

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007		
Sample Number:	1170-QL16-S28		
Report Number:			
Model:	HYDROCITY 02 24+24 LED STREET OPTIC 802007		
Flux:	3829 lm	Flux 2	0.00 lm
Date:	15/11/2016 11.21.31		
Manufacturer:	PUK ITALIA		

Protocol

LiTG-class: A30
UTE-class: 1.00 E
IES-class: 41 - 76 - 97 - 100 - 100
TM5-class: BZ10/0.75/BZ5/2.00/BZ4

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	62.7°	148.7°
Half peak side angle (left)	-13.7°	-74.5°
Half peak side angle (right)	49.0°	74.2°
One tenth peak divergence	145.4°	159.0°
Tenth peak side angle (left)	-75.3°	-79.6°
Tenth peak side angle (right)	70.1°	79.4°

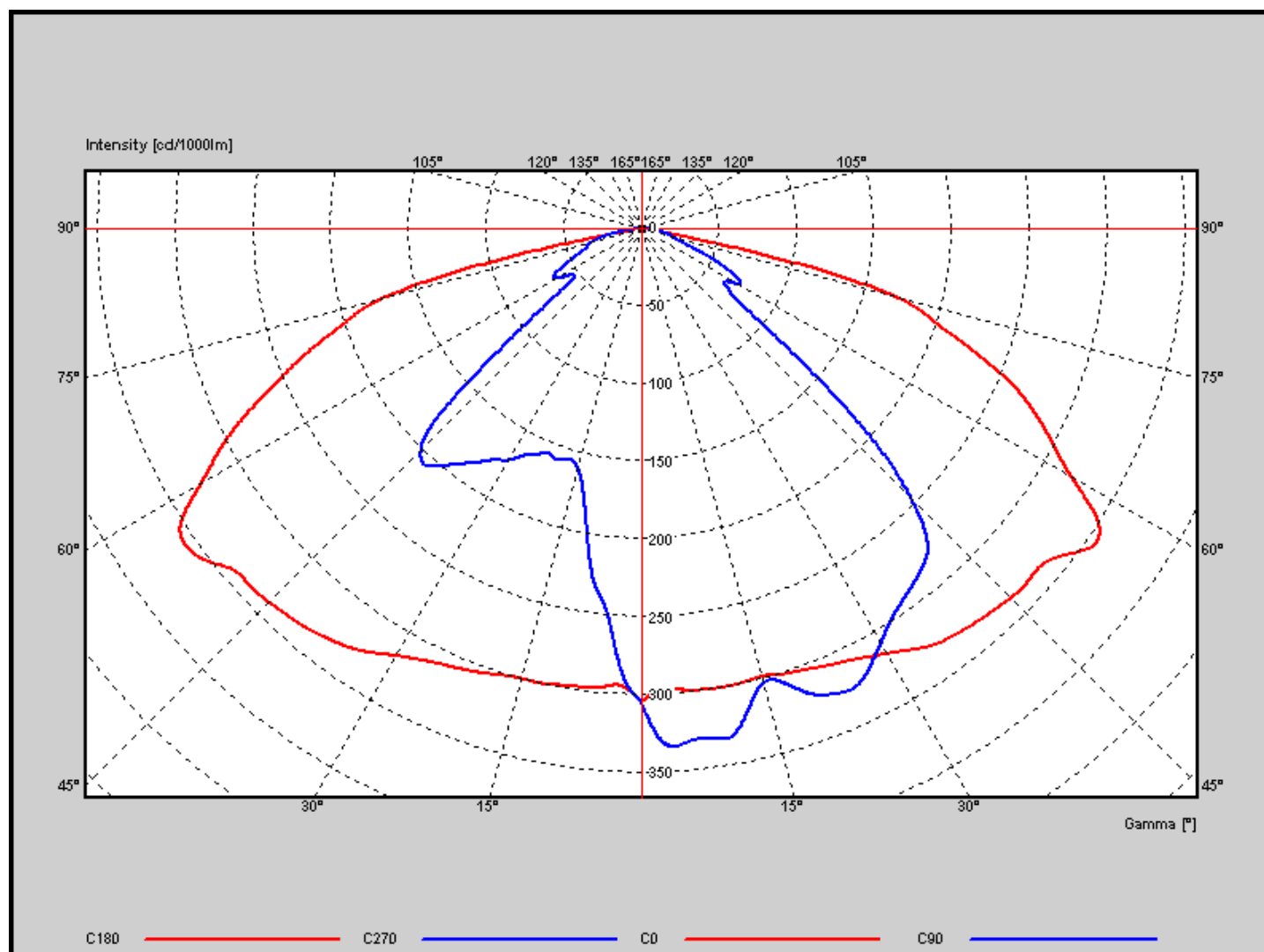
C-planes:	0.0°	2.5°	5.0°	7.5°	10.0°	12.5°	15.0°	17.5°	20.0°	22.5°
	25.0°	27.5°	30.0°	32.5°	35.0°	37.5°	40.0°	42.5°	45.0°	47.5°
	50.0°	52.5°	55.0°	57.5°	60.0°	62.5°	65.0°	67.5°	70.0°	72.5°
	75.0°	77.5°	80.0°	82.5°	85.0°	87.5°	90.0°	92.5°	95.0°	97.5°
	100.0°	102.5°	105.0°	107.5°	110.0°	112.5°	115.0°	117.5°	120.0°	122.5°
	125.0°	127.5°	130.0°	132.5°	135.0°	137.5°	140.0°	142.5°	145.0°	147.5°
	150.0°	152.5°	155.0°	157.5°	160.0°	162.5°	165.0°	167.5°	170.0°	172.5°
	175.0°	177.5°	180.0°	182.5°	185.0°	187.5°	190.0°	192.5°	195.0°	197.5°
	200.0°	202.5°	205.0°	207.5°	210.0°	212.5°	215.0°	217.5°	220.0°	222.5°
	225.0°	227.5°	230.0°	232.5°	235.0°	237.5°	240.0°	242.5°	245.0°	247.5°
	250.0°	252.5°	255.0°	257.5°	260.0°	262.5°	265.0°	267.5°	270.0°	272.5°
	275.0°	277.5°	280.0°	282.5°	285.0°	287.5°	290.0°	292.5°	295.0°	297.5°
	300.0°	302.5°	305.0°	307.5°	310.0°	312.5°	315.0°	317.5°	320.0°	322.5°
	325.0°	327.5°	330.0°	332.5°	335.0°	337.5°	340.0°	342.5°	345.0°	347.5°
	350.0°	352.5°	355.0°	357.5°						

Gamma:	0.0°	2.5°	5.0°	7.5°	10.0°	12.5°	15.0°	17.5°	20.0°	22.5°
	25.0°	27.5°	30.0°	32.5°	35.0°	37.5°	40.0°	42.5°	45.0°	47.5°
	50.0°	52.5°	55.0°	57.5°	60.0°	62.5°	65.0°	67.5°	70.0°	72.5°
	75.0°	77.5°	80.0°	82.5°	85.0°	87.5°	90.0°			

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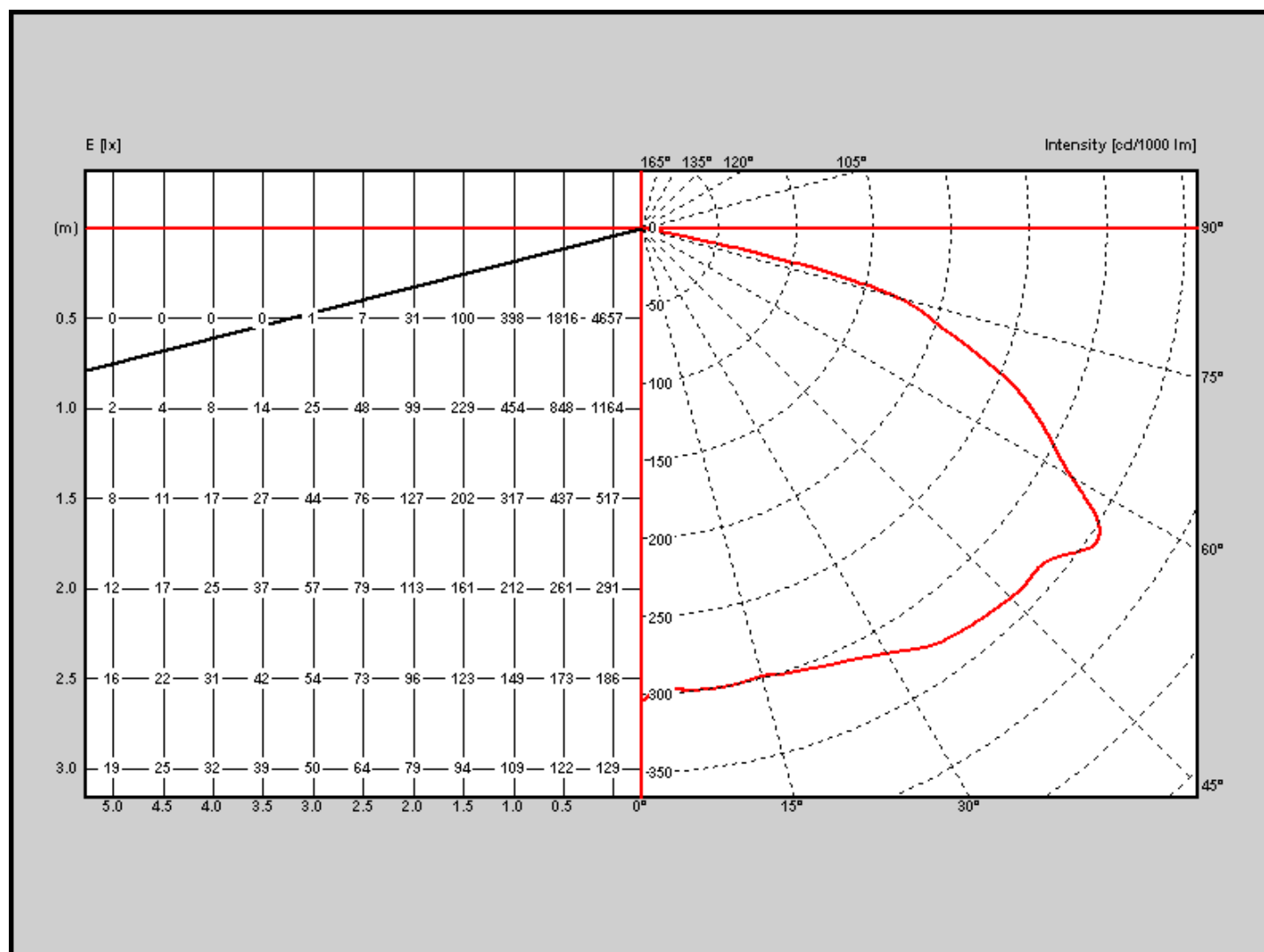
Polar diagram PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90



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Illuminance and Intensity diagram PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90



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Zonal flux PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

Gamm a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
0.0	304.03	304.03	304.03	0	0	0.00	0.00
2.5	261.49	330.86	294.28	7	7	0.18	0.18
5.0	228.24	331.32	288.06	20	27	0.52	0.70
7.5	210.34	330.20	281.30	33	59	0.85	1.55
10.0	185.76	331.52	274.28	44	104	1.16	2.71
12.5	152.71	335.25	266.27	55	159	1.45	4.15
15.0	148.25	340.11	259.64	66	225	1.71	5.87
17.5	143.40	346.47	256.80	76	301	1.98	7.85
20.0	145.89	353.42	256.37	87	387	2.26	10.11
22.5	143.66	358.27	256.41	98	485	2.55	12.66
25.0	146.15	365.68	256.36	108	593	2.83	15.49
27.5	149.69	373.02	256.12	119	712	3.11	18.59
30.0	150.09	378.86	255.75	129	841	3.37	21.97
32.5	151.99	388.17	255.73	139	980	3.64	25.61
35.0	152.71	398.00	256.51	149	1130	3.90	29.51
37.5	153.23	406.07	257.36	159	1289	4.16	33.67
40.0	153.69	410.66	258.86	170	1459	4.43	38.10
42.5	155.46	417.61	260.83	180	1639	4.70	42.80
45.0	160.18	420.69	260.22	189	1828	4.94	47.74
47.5	161.89	422.72	254.84	195	2023	5.10	52.84
50.0	104.91	426.66	239.96	195	2218	5.10	57.93
52.5	63.21	442.39	219.09	188	2406	4.91	62.84
55.0	49.31	461.01	202.07	178	2584	4.66	67.50
57.5	46.62	475.50	187.09	170	2754	4.44	71.93
60.0	41.24	468.42	172.30	161	2916	4.21	76.14
62.5	36.00	457.15	158.57	152	3068	3.98	80.12
65.0	31.15	440.36	144.66	143	3211	3.73	83.85
67.5	27.34	417.87	131.27	133	3343	3.46	87.31
70.0	23.21	424.03	122.40	124	3467	3.24	90.55
72.5	20.06	442.33	118.93	120	3587	3.13	93.68
75.0	16.52	336.89	98.34	109	3697	2.86	96.54

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Zonal flux PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007
/ C0 to C357.5 in 2.5 - Gamma 0 to 90

Gamm a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
77.5	11.54	148.71	51.55	76	3773	2.00	98.54
80.0	6.26	46.78	16.48	35	3808	0.91	99.45
82.5	3.65	11.98	7.17	12	3820	0.32	99.77
85.0	1.74	4.85	3.15	5	3826	0.14	99.91
87.5	0.66	1.71	1.19	2	3828	0.06	99.97
90.0	0.14	1.07	0.87	1	3829	0.03	100.00

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Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	295.85	298.21	303.12	306.14	306.93	306.14	305.35	306.34
5.0	297.49	300.50	303.85	307.06	308.17	307.06	307.06	308.63
7.5	298.86	302.27	301.55	306.40	309.75	309.42	307.78	310.21
10.0	299.12	301.42	303.71	309.62	314.40	316.24	316.89	318.40
12.5	298.80	302.21	308.04	311.91	316.83	319.45	320.70	324.30
15.0	297.75	302.27	308.83	316.83	322.47	322.20	324.30	328.70
17.5	300.17	306.66	311.65	319.71	326.27	330.79	333.35	334.99
20.0	301.94	310.07	319.78	327.58	331.32	336.70	340.24	341.29
22.5	304.63	313.42	323.98	334.47	342.99	349.22	347.78	344.76
25.0	307.12	316.70	328.17	339.71	349.68	356.50	350.79	348.50
27.5	310.73	321.16	333.94	346.79	358.20	362.07	356.56	354.46
30.0	315.32	326.73	341.02	355.19	367.25	367.19	363.25	362.20
32.5	321.09	333.22	348.63	363.91	376.36	374.20	371.97	370.86
35.0	326.60	339.97	356.56	372.63	385.15	382.59	381.94	382.53
37.5	329.22	342.99	360.23	378.33	389.54	390.13	389.81	392.10
40.0	331.52	346.07	364.37	384.30	394.99	398.00	398.40	397.81
42.5	333.29	348.30	367.71	389.22	400.04	404.30	407.12	402.07
45.0	335.32	351.12	371.64	394.20	404.30	410.53	411.97	402.13
47.5	336.37	352.56	373.22	396.69	406.20	414.53	413.41	402.85
50.0	335.91	351.91	372.37	396.49	406.59	414.13	409.28	402.85
52.5	344.17	359.84	381.48	404.82	418.00	425.54	421.15	423.18
55.0	354.66	370.79	394.66	419.57	437.02	446.59	444.88	442.79
57.5	347.25	364.04	390.86	423.05	447.38	458.19	455.11	447.18
60.0	319.19	334.34	361.55	399.12	430.33	442.72	440.69	436.29
62.5	297.75	313.03	342.79	389.02	423.51	432.95	428.16	422.85
65.0	278.27	292.83	325.81	381.09	416.62	422.20	416.36	409.87
67.5	255.72	269.09	306.14	370.92	403.05	406.46	401.41	396.23
70.0	224.51	235.00	281.81	349.68	381.87	391.51	393.08	390.79
72.5	196.58	207.79	264.90	311.06	335.65	346.53	360.69	382.53
75.0	169.82	178.54	220.44	242.47	263.59	277.42	299.19	327.78
77.5	97.76	100.98	106.81	113.76	127.73	134.55	141.83	148.51
80.0	15.99	16.83	17.64	20.25	22.73	25.81	30.60	36.53
82.5	7.11	7.49	7.70	8.20	8.85	9.06	9.29	9.26
85.0	2.98	3.17	3.37	3.57	3.71	3.78	3.85	3.76
87.5	0.66	0.76	0.94	1.11	1.23	1.27	1.29	1.29
90.0	0.14	0.26	0.45	0.62	0.75	0.81	0.84	0.85

G/C [cd/klm]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
2.5	309.16	308.30	310.40	311.58	306.01	306.86	307.06	305.03
5.0	310.93	309.55	312.70	315.39	311.65	313.55	315.39	313.29
7.5	315.52	316.76	320.63	323.45	319.78	319.39	319.52	316.70
10.0	321.48	321.48	323.32	326.27	319.84	324.57	326.07	323.71
12.5	330.47	329.48	330.99	333.81	325.88	325.35	325.48	320.76
15.0	336.17	335.45	336.24	336.04	326.73	326.14	326.79	325.81
17.5	340.24	335.12	336.17	337.42	332.11	332.63	332.30	330.60
20.0	341.55	337.55	338.92	342.47	339.97	339.52	334.14	327.12
22.5	346.33	346.01	346.20	348.83	342.01	336.24	326.86	317.22
25.0	350.79	353.15	356.04	350.66	339.06	328.43	319.45	309.68
27.5	357.02	360.96	357.28	348.89	333.61	323.45	317.22	310.66
30.0	365.94	364.89	357.74	344.96	331.52	322.99	317.94	313.42
32.5	375.45	367.84	355.12	345.22	332.83	324.63	321.75	318.27
35.0	381.09	370.00	356.89	347.58	334.47	329.75	327.91	322.14
37.5	384.23	371.91	363.12	352.83	343.25	338.20	333.68	325.81
40.0	387.51	375.64	367.91	359.91	351.91	345.02	337.48	328.70
42.5	389.87	383.45	374.00	367.38	359.12	351.84	344.83	332.56
45.0	393.02	388.04	381.87	381.48	376.04	364.30	350.14	325.88
47.5	397.35	398.26	400.56	401.94	389.54	370.40	342.40	312.17
50.0	413.28	414.39	411.44	405.54	384.30	355.12	320.76	301.94
52.5	426.39	418.85	407.64	395.90	368.69	330.66	313.81	304.44
55.0	436.43	424.23	411.25	390.33	351.45	319.58	301.42	269.55
57.5	437.80	426.46	411.64	382.40	329.09	283.98	251.39	231.00
60.0	430.59	418.33	398.33	349.48	286.40	245.36	224.57	211.07
62.5	416.03	403.44	372.23	302.67	251.98	224.97	207.39	188.31
65.0	403.25	388.43	334.86	264.11	229.62	207.26	184.44	154.87
67.5	391.84	369.61	296.04	240.90	212.97	186.54	155.79	117.56
70.0	389.02	357.09	274.80	239.00	206.54	170.81	128.71	81.50
72.5	406.40	346.66	273.82	246.74	209.69	163.59	107.60	47.54
75.0	325.22	264.83	222.87	198.35	162.74	111.34	50.36	25.05
77.5	143.27	119.07	98.88	84.26	60.65	30.36	17.18	14.88
80.0	40.14	33.05	23.71	18.63	14.88	10.56	8.86	8.33
82.5	8.95	8.22	7.22	6.27	5.42	4.99	4.65	4.66
85.0	3.46	3.09	2.75	2.56	2.45	2.37	2.31	2.31
87.5	1.24	1.19	1.15	1.13	1.11	1.12	1.14	1.16
90.0	0.84	0.83	0.81	0.81	0.80	0.81	0.83	0.84

G/C [cd/klm]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	304.70	309.16	315.19	313.03	306.60	305.29	306.86	307.26
5.0	312.17	317.62	323.91	322.73	316.24	314.14	315.12	315.98
7.5	316.70	318.66	323.91	324.04	316.17	315.06	316.96	316.17
10.0	323.06	323.91	329.35	327.78	316.57	313.03	314.86	314.99
12.5	318.66	322.27	326.73	330.07	319.58	317.75	318.99	317.55
15.0	325.68	330.40	332.83	331.06	319.19	312.76	309.81	304.30
17.5	327.12	328.24	324.96	322.47	306.99	298.73	295.45	292.37
20.0	317.62	315.19	313.35	309.81	297.42	289.68	292.63	291.91
22.5	307.06	305.81	307.52	306.80	297.22	292.31	294.53	294.86
25.0	302.21	303.19	309.22	310.27	298.40	297.03	301.03	301.75
27.5	303.91	306.27	313.81	313.16	302.93	298.53	303.39	303.52
30.0	308.44	309.88	315.45	316.37	304.89	301.49	303.65	303.06
32.5	312.24	312.44	318.14	316.83	303.91	296.90	295.52	293.62
35.0	314.80	313.29	316.76	311.85	295.26	286.21	285.62	284.50
37.5	316.50	312.50	309.75	302.80	287.13	278.80	278.40	278.34
40.0	316.50	305.81	301.16	295.91	281.29	272.37	272.44	272.90

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
42.5	311.85	297.88	293.62	288.50	275.85	269.75	270.47	271.91
45.0	300.50	288.04	286.54	286.99	276.90	271.06	271.45	271.59
47.5	290.54	284.37	287.26	291.52	279.32	268.70	262.08	255.26
50.0	292.31	287.32	287.06	282.54	259.13	241.69	232.57	224.97
52.5	286.08	264.11	253.16	247.59	227.59	213.23	203.79	193.89
55.0	241.49	225.43	222.54	220.77	200.64	181.36	160.84	136.78
57.5	215.33	205.82	201.49	190.61	154.94	118.09	90.03	75.99
60.0	194.67	178.22	158.02	127.27	87.21	67.47	61.57	59.47
62.5	162.09	131.33	98.62	70.75	57.83	53.70	51.27	48.91
65.0	117.63	81.11	56.72	48.13	44.52	42.75	42.29	42.42
67.5	75.27	47.01	39.87	38.62	37.70	37.51	37.70	38.03
70.0	44.06	33.96	32.19	32.65	32.98	33.05	33.24	33.44
72.5	30.16	27.15	26.56	26.82	26.88	26.95	27.54	27.60
75.0	21.38	20.79	21.11	21.57	21.44	20.98	20.85	20.65
77.5	14.29	15.21	16.52	17.11	16.65	15.93	15.34	14.95
80.0	9.04	10.54	11.84	12.35	12.35	11.42	10.34	9.51
82.5	4.81	5.40	6.75	7.49	7.67	7.03	6.23	5.63
85.0	2.36	2.47	2.87	3.30	3.57	3.51	3.14	2.80
87.5	1.17	1.19	1.20	1.22	1.23	1.23	1.24	1.25
90.0	0.85	0.87	0.87	0.89	0.89	0.90	0.90	0.90

G/C [cd/klm]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	310.40	310.73	308.76	310.86	308.63	309.94	311.45	309.03
5.0	320.57	322.14	319.78	321.94	319.98	320.89	319.52	315.84
7.5	318.73	315.32	312.44	317.55	313.55	314.80	315.98	313.88
10.0	314.07	312.70	310.99	315.12	314.07	313.94	312.57	309.68
12.5	319.25	314.21	308.96	312.11	303.71	302.60	300.96	300.17
15.0	303.52	301.68	290.93	293.62	288.76	289.68	285.36	282.99
17.5	292.37	291.98	285.36	289.68	285.62	288.17	287.45	283.13
20.0	292.90	292.50	289.22	293.75	292.11	296.76	293.09	293.55
22.5	296.96	299.52	296.76	303.12	301.16	303.71	302.27	302.67
25.0	303.58	304.63	301.35	306.53	304.50	308.37	306.40	303.98
27.5	305.55	306.60	303.12	307.91	304.11	305.81	302.73	300.11
30.0	301.68	301.62	294.86	298.34	295.26	296.44	294.01	292.44
32.5	290.60	290.99	286.27	290.60	289.16	290.73	287.72	285.16
35.0	283.19	283.52	279.91	284.83	282.86	285.03	282.21	279.78
37.5	276.57	278.01	273.95	279.13	277.16	278.40	276.63	275.00
40.0	271.85	273.75	269.68	274.73	272.83	274.47	273.03	271.85
42.5	270.01	271.45	266.08	270.21	267.06	268.05	266.60	264.44
45.0	266.21	264.05	255.13	256.05	249.95	248.77	246.34	242.80
47.5	244.70	239.19	227.52	227.13	220.38	217.49	213.56	207.92
50.0	214.28	207.07	193.30	188.71	180.31	173.10	165.69	155.14
52.5	178.28	162.74	141.89	127.86	113.50	103.14	95.86	89.37
55.0	110.16	92.26	81.11	76.19	73.31	71.86	70.68	69.24
57.5	68.85	65.90	63.34	62.42	61.18	60.39	59.93	59.67
60.0	57.57	55.93	53.96	53.57	54.62	57.24	60.19	62.29
62.5	47.41	47.41	48.72	51.67	55.01	58.62	62.03	64.98
65.0	43.08	44.52	46.88	50.55	53.90	57.04	60.13	62.22
67.5	38.62	40.06	42.49	46.29	49.77	52.65	54.29	54.62
70.0	33.64	34.42	36.46	39.54	41.24	41.96	42.29	41.11
72.5	27.67	27.80	28.00	28.72	29.24	29.18	29.11	28.46
75.0	20.79	20.46	19.93	19.61	19.74	20.59	21.51	21.77
77.5	14.49	13.97	13.77	14.03	14.69	15.54	16.46	17.11
80.0	9.07	9.08	9.59	10.58	11.48	12.03	12.30	12.74

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
82.5	5.27	5.50	6.20	6.90	7.53	7.96	8.26	8.54
85.0	2.66	2.88	3.36	3.86	4.04	4.10	3.99	3.88
87.5	1.25	1.27	1.27	1.29	1.29	1.30	1.30	1.29
90.0	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.89

G/C [cd/klm]	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	306.21	305.68	313.75	328.43	330.86	315.32	307.98	306.34
5.0	309.22	308.70	315.32	329.16	331.32	314.34	306.47	305.29
7.5	310.53	311.45	317.42	328.37	330.20	311.78	302.93	305.62
10.0	310.47	310.40	316.37	330.20	331.52	311.85	302.08	302.01
12.5	295.52	297.88	302.47	316.63	316.89	297.68	287.06	290.54
15.0	279.13	286.73	293.16	303.06	302.14	283.52	276.24	278.86
17.5	279.59	285.29	295.45	306.08	306.34	287.13	278.60	279.19
20.0	293.49	297.22	307.78	319.65	318.34	299.98	292.24	292.70
22.5	300.04	304.11	312.57	324.96	323.58	304.37	295.78	297.42
25.0	301.81	305.81	314.53	327.06	324.83	306.34	297.62	299.32
27.5	296.57	299.71	307.71	320.04	317.68	299.32	290.99	293.16
30.0	288.76	290.80	297.75	309.75	307.65	290.08	282.01	284.31
32.5	280.83	282.67	289.22	300.44	298.40	281.29	274.14	276.57
35.0	275.78	277.75	283.72	294.80	292.17	275.19	268.96	272.18
37.5	270.41	272.18	278.34	289.42	287.26	270.08	264.05	267.13
40.0	266.80	267.72	273.55	284.57	282.01	264.37	258.93	262.21
42.5	258.08	258.47	263.39	274.41	272.11	254.67	250.28	254.87
45.0	235.20	234.41	237.88	247.52	245.29	229.62	227.00	232.51
47.5	199.26	196.90	198.80	206.15	203.85	191.53	190.35	195.59
50.0	145.63	140.78	140.05	143.20	141.30	134.94	136.32	142.02
52.5	85.11	83.47	83.73	85.17	84.58	81.31	81.44	83.67
55.0	68.26	67.99	68.91	70.03	69.31	66.16	65.31	66.36
57.5	59.73	60.65	61.90	63.47	63.67	60.85	59.21	58.95
60.0	64.91	66.22	67.93	70.55	71.54	69.04	66.09	63.93
62.5	67.08	66.88	67.67	69.57	70.88	68.78	66.49	64.85
65.0	62.03	60.06	58.95	59.60	60.72	59.47	58.82	59.41
67.5	52.45	49.24	47.28	47.21	47.67	46.88	47.01	48.65
70.0	38.36	35.41	33.44	33.18	33.57	33.11	33.57	35.21
72.5	27.15	25.64	24.46	24.39	24.85	24.39	24.39	25.11
75.0	21.31	20.65	20.26	20.46	21.18	20.79	20.39	20.33
77.5	17.38	17.11	16.98	17.51	18.36	17.90	17.18	16.85
80.0	12.94	12.71	12.48	12.84	13.60	13.27	12.73	12.31
82.5	8.54	8.29	8.09	8.26	8.81	8.67	8.28	8.15
85.0	3.80	3.62	3.46	3.40	3.59	3.55	3.53	3.59
87.5	1.29	1.28	1.27	1.25	1.24	1.26	1.29	1.30
90.0	0.88	0.87	0.86	0.85	0.84	0.86	0.88	0.89

G/C [cd/klm]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	312.11	312.83	310.80	310.21	310.73	311.85	310.21	308.11
5.0	311.12	314.01	316.30	317.75	321.22	322.79	321.68	319.45
7.5	312.44	315.39	315.39	315.78	316.89	318.66	317.22	314.14
10.0	311.45	313.81	310.53	315.06	316.63	315.78	315.52	312.24
12.5	297.68	301.35	302.34	303.65	307.45	313.09	315.65	312.83
15.0	283.78	284.77	285.88	290.27	293.62	296.11	299.12	299.32
17.5	285.36	287.58	289.22	291.98	294.21	294.40	296.04	292.90
20.0	297.75	298.08	297.22	300.70	302.40	298.99	300.57	296.70

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
22.5	303.65	306.47	306.80	308.17	310.21	308.83	308.50	304.63
25.0	305.16	307.39	308.89	310.73	312.30	311.45	312.83	308.83
27.5	299.26	302.60	304.24	306.73	310.34	310.47	313.48	310.40
30.0	291.26	294.67	294.73	296.90	301.16	301.22	305.09	304.44
32.5	283.45	287.45	287.78	291.26	295.52	295.12	298.40	295.58
35.0	278.86	282.60	282.60	285.81	289.88	290.73	292.63	289.16
37.5	274.27	278.27	277.68	280.77	285.81	286.47	288.04	284.44
40.0	270.41	274.14	272.83	275.98	281.03	281.29	283.45	279.52
42.5	263.91	267.65	266.27	269.49	275.52	276.70	280.04	277.49
45.0	242.80	247.26	246.67	251.13	259.98	264.37	270.60	270.08
47.5	206.41	211.92	213.56	219.79	229.82	235.79	243.85	247.19
50.0	153.04	161.50	167.72	175.86	188.44	198.74	209.82	215.20
52.5	89.11	93.57	99.53	108.98	124.52	140.58	157.96	172.90
55.0	68.45	69.63	70.81	72.85	76.78	81.04	89.63	104.71
57.5	59.60	59.80	59.93	60.78	62.16	63.47	64.98	67.40
60.0	62.68	61.31	59.21	57.11	55.21	54.88	56.06	57.63
62.5	64.13	63.08	60.39	57.96	54.75	51.93	49.70	48.72
65.0	60.98	61.70	60.00	57.50	53.77	50.68	47.80	45.24
67.5	51.80	54.95	55.34	53.77	50.68	47.34	43.93	41.05
70.0	38.23	41.64	43.28	43.93	43.21	41.18	38.36	35.54
72.5	26.82	28.65	29.90	30.75	31.01	30.56	30.03	28.72
75.0	21.11	21.57	21.70	21.05	20.46	20.72	21.11	21.51
77.5	17.05	16.92	16.59	15.74	14.75	14.23	14.29	14.82
80.0	12.36	12.35	12.21	11.91	11.28	10.50	9.60	9.32
82.5	8.23	8.26	8.15	7.78	7.35	6.81	6.04	5.55
85.0	3.74	3.88	3.95	3.93	3.70	3.48	3.17	2.95
87.5	1.30	1.32	1.32	1.33	1.32	1.31	1.31	1.30
90.0	0.90	0.91	0.92	0.93	0.94	0.93	0.94	0.94

G/C [cd/klm]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	308.96	309.35	306.08	306.40	306.80	308.17	309.48	309.88
5.0	320.63	321.55	319.45	320.37	318.27	318.53	319.78	319.65
7.5	315.25	318.93	316.70	317.62	317.68	317.22	317.94	318.34
10.0	313.62	318.66	316.63	316.89	317.16	319.32	322.66	324.24
12.5	319.58	322.34	319.78	322.53	322.07	322.79	321.09	325.61
15.0	305.94	309.16	311.39	318.60	323.12	323.98	328.57	335.25
17.5	296.83	298.34	298.40	305.48	311.78	316.50	321.88	335.52
20.0	299.45	301.35	298.99	301.09	303.45	303.91	310.47	323.39
22.5	306.60	306.08	303.52	303.52	305.22	305.75	307.06	316.17
25.0	311.45	312.11	310.73	309.88	311.58	309.75	310.73	315.65
27.5	313.35	313.03	311.85	313.22	315.19	315.12	316.11	321.55
30.0	309.16	310.60	310.60	312.63	314.66	315.98	317.68	323.91
32.5	299.98	301.88	303.45	308.63	313.09	314.99	319.58	324.89
35.0	293.42	293.29	293.55	298.93	307.45	311.91	318.66	326.73
37.5	287.58	288.31	288.70	292.57	299.06	305.03	314.14	325.16
40.0	283.39	281.09	280.57	283.65	290.67	297.62	308.24	321.94
42.5	282.14	278.99	278.21	279.72	283.91	289.03	300.30	315.58
45.0	278.40	277.62	278.93	280.31	283.72	284.77	290.93	303.52
47.5	260.37	264.18	272.44	278.34	286.01	288.11	291.52	296.57
50.0	228.64	232.83	242.54	253.03	269.03	281.75	293.09	299.52
52.5	195.33	204.71	214.54	223.26	235.85	245.03	259.78	281.75
55.0	131.14	153.30	178.08	196.44	210.67	218.21	227.13	237.42
57.5	74.09	87.27	110.16	142.35	176.45	195.79	208.18	214.41
60.0	59.73	61.24	65.90	82.03	111.53	147.60	177.36	193.30

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
62.5	49.31	51.01	53.57	56.26	65.50	89.63	124.52	156.45
65.0	43.67	43.14	43.47	44.32	46.49	52.85	73.96	107.73
67.5	39.21	38.55	38.29	38.16	38.42	39.14	43.01	63.54
70.0	34.10	33.70	33.44	32.59	31.67	31.34	32.59	38.36
72.5	28.00	27.60	27.21	27.01	26.88	26.36	26.42	28.00
75.0	21.57	21.83	22.16	22.23	22.03	21.31	20.79	20.79
77.5	15.34	15.93	16.65	17.31	17.70	17.38	16.33	14.88
80.0	9.44	10.08	11.11	12.03	12.52	12.01	10.97	9.57
82.5	5.52	6.03	6.66	7.27	7.60	7.29	6.35	5.06
85.0	2.85	2.95	3.24	3.51	3.60	3.31	2.79	2.53
87.5	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
90.0	0.95	0.95	0.95	0.95	0.95	0.96	0.95	0.94

G/C [cd/klm]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	305.88	304.30	305.16	307.26	309.48	312.30	311.78	309.09
5.0	315.06	313.03	313.75	313.88	313.55	316.11	315.91	313.88
7.5	320.50	321.35	320.83	321.02	323.52	324.96	322.93	318.01
10.0	326.73	325.75	325.02	325.42	325.29	328.04	325.29	323.32
12.5	324.89	322.01	324.89	327.12	328.70	335.25	332.70	331.32
15.0	333.35	329.16	326.27	328.76	329.35	337.42	338.20	337.81
17.5	336.17	334.99	332.83	335.65	335.52	339.19	339.25	338.53
20.0	327.45	332.17	336.04	344.17	345.02	345.61	342.60	341.55
22.5	318.14	322.99	330.01	341.48	348.83	353.22	350.79	350.01
25.0	315.65	317.94	324.24	335.12	345.88	357.15	362.86	358.79
27.5	319.91	319.52	324.63	331.65	341.15	354.79	365.87	368.37
30.0	323.84	323.39	325.22	332.96	340.56	352.76	365.94	375.12
32.5	326.47	327.32	330.20	334.47	342.92	352.43	363.71	377.22
35.0	329.02	332.04	336.11	341.09	345.09	355.32	364.82	377.54
37.5	330.86	334.53	340.89	347.58	352.50	361.15	369.09	377.22
40.0	331.32	337.35	344.10	353.02	359.64	363.71	372.76	379.84
42.5	330.20	342.47	352.30	360.17	365.61	371.18	379.18	385.41
45.0	319.58	340.11	360.37	373.61	381.28	384.50	383.12	388.95
47.5	305.75	325.94	355.91	380.89	396.04	406.20	405.28	399.71
50.0	301.09	309.09	334.73	369.41	393.61	411.64	420.43	421.74
52.5	300.04	307.26	317.35	344.63	378.00	402.00	418.72	429.87
55.0	255.65	283.98	311.39	330.47	364.89	397.94	420.82	435.64
57.5	221.88	235.98	267.26	306.01	348.50	392.63	423.97	443.51
60.0	205.23	216.57	233.29	266.21	316.37	376.23	415.44	441.54
62.5	180.71	201.10	218.41	237.82	276.77	342.14	396.23	426.92
65.0	144.64	174.81	199.66	221.10	247.59	302.67	378.40	413.80
67.5	103.14	144.32	179.59	209.82	237.69	278.60	348.17	398.07
70.0	66.36	116.97	168.51	210.02	242.74	278.80	346.40	420.69
72.5	38.49	88.85	157.04	206.28	242.08	272.83	328.24	415.77
75.0	22.75	31.47	75.40	137.17	176.45	205.89	239.59	299.39
77.5	14.62	16.13	20.85	37.18	60.39	75.14	90.48	119.20
80.0	8.44	8.34	9.23	10.90	13.75	16.20	19.84	28.64
82.5	4.71	4.69	4.87	5.34	5.88	6.48	7.42	8.50
85.0	2.52	2.50	2.52	2.62	2.75	2.92	3.17	3.55
87.5	1.30	1.29	1.29	1.30	1.32	1.36	1.44	1.55
90.0	0.94	0.92	0.92	0.92	0.92	0.92	0.95	1.00

G/C [cd/klm]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
2.5	309.55	309.29	307.45	307.85	306.53	305.48	301.16	295.98
5.0	314.27	313.35	310.53	310.14	308.17	306.53	302.27	298.47
7.5	316.83	315.78	312.50	312.44	311.25	306.99	300.70	300.70
10.0	323.32	323.58	322.47	320.37	315.84	310.47	303.06	300.30
12.5	333.55	331.71	327.19	324.43	319.12	313.29	308.04	302.21
15.0	340.11	337.35	332.04	328.37	326.14	319.78	310.07	303.06
17.5	346.47	344.37	342.66	338.60	331.65	323.52	313.03	307.32
20.0	348.63	353.42	350.53	345.88	338.01	332.11	321.68	310.99
22.5	353.09	355.51	358.27	357.74	348.76	338.47	325.68	314.27
25.0	358.53	361.02	362.73	365.68	355.78	344.30	330.07	317.88
27.5	366.73	367.64	368.56	373.02	364.04	351.45	336.17	322.07
30.0	378.66	377.28	377.02	378.86	373.41	359.64	343.06	327.97
32.5	388.17	386.79	386.13	387.25	384.30	368.69	350.92	335.19
35.0	393.28	398.00	395.58	394.79	393.41	377.02	358.33	341.68
37.5	394.72	406.07	402.99	401.67	398.92	383.05	363.19	345.88
40.0	394.26	410.66	409.74	408.56	403.90	389.67	368.17	349.68
42.5	395.71	412.76	417.61	414.53	407.90	394.20	370.66	351.91
45.0	398.72	411.12	420.69	418.46	410.79	398.00	373.28	353.81
47.5	400.89	410.33	422.00	422.72	414.13	402.40	375.91	356.04
50.0	420.69	414.85	423.12	426.66	417.15	405.48	377.41	357.55
52.5	442.39	440.69	437.67	439.31	427.71	415.25	386.46	366.66
55.0	451.97	461.01	458.98	455.44	440.10	423.44	394.53	372.89
57.5	458.92	471.70	475.50	473.60	450.06	424.43	392.17	368.23
60.0	454.72	465.47	468.42	465.54	437.87	402.46	367.51	342.66
62.5	444.10	454.06	457.15	456.16	430.66	387.51	344.50	320.04
65.0	429.41	437.80	440.36	437.87	416.43	371.77	318.01	293.09
67.5	411.77	417.67	417.87	412.95	395.12	352.43	290.86	263.32
70.0	424.03	418.66	411.18	396.76	373.41	333.81	268.90	235.79
72.5	442.33	409.74	383.71	362.79	340.24	309.62	257.29	210.93
75.0	336.89	324.83	301.16	283.19	266.01	247.98	219.79	180.25
77.5	133.43	133.96	131.40	129.63	126.55	119.60	114.42	106.42
80.0	35.94	34.13	29.89	27.06	25.61	24.35	23.13	21.93
82.5	8.85	9.06	9.22	8.90	8.73	8.29	8.01	7.58
85.0	3.86	4.11	4.20	4.16	4.10	3.91	3.74	3.44
87.5	1.64	1.69	1.71	1.70	1.66	1.53	1.35	1.08
90.0	1.03	1.04	1.04	1.01	0.96	0.82	0.62	0.35

G/C [cd/klm]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	293.94	294.53	296.70	297.88	298.14	297.16	296.31	293.75
5.0	295.98	294.21	293.16	292.31	291.39	288.90	287.06	284.11
7.5	297.09	291.91	288.96	288.96	285.29	280.11	276.90	273.49
10.0	297.94	289.36	288.24	287.78	285.81	281.55	276.04	268.44
12.5	299.26	292.50	288.83	286.01	283.26	278.14	272.31	266.47
15.0	299.12	291.52	290.14	287.65	280.04	273.42	266.27	258.93
17.5	300.83	295.72	289.75	285.55	279.78	272.31	262.93	251.06
20.0	303.58	298.53	294.99	285.03	276.96	267.98	257.10	242.67
22.5	305.94	299.98	295.26	289.22	279.45	264.70	250.21	234.54
25.0	308.37	301.03	295.32	287.72	276.57	262.73	241.62	228.11
27.5	312.04	303.45	296.63	287.78	274.67	255.72	236.18	224.31
30.0	316.76	307.26	299.06	288.57	273.23	249.62	231.79	221.75
32.5	323.06	312.63	303.98	291.98	274.80	247.39	231.20	221.23
35.0	328.24	316.83	307.39	294.08	272.90	246.08	231.33	221.69
37.5	331.71	319.98	310.27	296.44	271.32	245.36	232.51	222.93
40.0	334.79	322.66	312.44	298.27	271.06	246.54	234.61	224.84

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
42.5	336.76	324.11	313.68	299.12	269.09	246.47	236.11	226.93
45.0	338.73	325.29	314.27	298.99	266.54	245.10	235.39	226.93
47.5	340.50	326.66	315.06	297.75	262.41	242.80	233.88	226.61
50.0	341.48	326.66	314.14	292.83	257.75	238.74	230.41	224.44
52.5	351.19	335.32	321.48	293.09	255.98	235.06	225.36	219.13
55.0	356.24	339.58	324.96	289.42	251.65	228.97	217.23	210.74
57.5	350.53	333.35	319.19	279.13	241.62	218.61	205.89	201.76
60.0	326.40	311.12	298.40	260.77	227.26	204.57	195.39	193.49
62.5	304.76	290.86	279.32	243.72	213.03	191.85	185.95	187.07
65.0	279.32	266.86	256.31	222.02	194.15	175.59	172.64	178.28
67.5	251.26	240.57	231.33	199.26	174.22	158.48	158.15	164.84
70.0	226.02	218.61	212.64	185.69	164.71	153.50	156.05	165.76
72.5	199.59	195.20	194.21	182.74	175.66	177.30	192.58	224.11
75.0	172.18	172.12	176.38	175.79	181.76	197.56	227.65	258.41
77.5	102.68	103.80	109.17	118.55	128.65	136.06	143.53	148.71
80.0	20.91	20.66	21.26	22.58	24.16	28.16	34.21	42.72
82.5	7.17	7.13	7.21	7.44	7.66	7.40	7.47	7.76
85.0	3.17	3.27	3.42	3.49	3.57	3.47	3.30	3.19
87.5	0.87	1.00	1.20	1.37	1.46	1.47	1.46	1.44
90.0	0.15	0.31	0.56	0.80	0.96	1.02	1.06	1.07

G/C [cd/klm]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	293.68	293.09	292.57	289.75	283.72	280.11	278.80	277.16
5.0	283.32	280.44	278.99	276.70	272.31	270.21	267.52	263.19
7.5	273.16	271.59	270.80	267.78	262.01	257.62	256.11	250.67
10.0	266.73	262.01	259.46	254.34	249.55	244.05	241.95	235.52
12.5	261.75	255.91	250.47	245.16	237.03	232.90	230.80	221.16
15.0	253.23	246.54	239.92	235.20	229.69	225.56	219.79	215.66
17.5	243.06	235.46	232.51	229.62	224.11	219.59	213.56	208.97
20.0	233.56	229.03	226.21	223.46	217.89	212.97	206.21	200.77
22.5	228.70	225.16	221.36	217.75	211.33	205.49	197.82	192.31
25.0	224.44	222.08	217.16	211.98	204.31	198.02	189.56	183.99
27.5	221.16	217.62	211.72	205.69	198.02	190.74	182.81	175.59
30.0	218.08	213.56	206.80	200.51	191.92	181.63	175.27	168.91
32.5	216.05	210.41	203.07	195.53	185.17	174.87	169.36	165.63
35.0	215.52	209.43	200.90	192.25	179.86	171.13	166.54	161.04
37.5	216.57	210.15	201.16	188.18	177.49	168.77	164.38	158.22
40.0	218.08	211.39	200.57	187.92	175.72	167.79	161.82	157.30
42.5	220.51	213.56	198.87	188.18	177.17	166.81	160.45	158.09
45.0	221.36	214.74	199.92	186.81	176.71	166.09	162.81	161.56
47.5	222.02	212.38	199.26	188.44	176.90	168.32	167.86	169.56
50.0	220.38	208.90	195.59	186.74	175.46	172.71	176.45	185.76
52.5	213.62	201.30	190.61	182.28	176.51	183.07	196.58	207.72
55.0	203.66	194.35	186.67	182.28	187.46	201.82	214.48	218.61
57.5	194.80	188.31	184.77	189.95	204.25	214.87	219.98	216.38
60.0	188.77	185.76	189.17	203.46	213.30	214.41	212.90	205.75
62.5	184.31	189.03	197.69	208.18	209.56	204.84	197.03	184.84
65.0	181.49	193.62	200.90	205.56	199.79	187.66	172.18	149.43
67.5	174.35	190.61	196.18	195.72	183.92	165.10	141.24	107.66
70.0	186.02	209.16	209.82	199.00	175.53	147.27	112.78	70.88
72.5	260.11	273.75	261.36	239.26	203.66	154.94	96.71	43.73
75.0	268.24	259.59	238.60	213.10	175.40	120.32	53.83	21.83
77.5	146.35	138.94	126.55	110.16	77.04	36.46	16.65	12.98
80.0	46.78	40.12	29.95	23.50	16.62	9.74	7.39	6.73

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
82.5	8.55	8.04	6.93	5.71	4.75	4.19	3.90	3.88
85.0	3.04	2.83	2.47	2.25	2.07	1.95	1.87	1.88
87.5	1.41	1.37	1.27	1.19	1.14	1.11	1.11	1.11
90.0	1.07	1.06	1.04	1.01	0.98	0.97	0.96	0.96

G/C [cd/klm]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	277.36	278.40	279.39	281.75	275.78	272.83	273.03	272.37
5.0	262.14	262.34	262.28	264.11	256.96	254.54	254.67	252.05
7.5	245.62	243.46	243.78	245.56	238.47	234.54	232.57	231.52
10.0	232.83	231.85	231.79	231.20	220.38	214.02	211.66	205.23
12.5	218.93	215.59	213.69	215.46	208.51	203.66	197.23	194.94
15.0	212.77	207.53	206.41	201.95	194.41	184.51	176.12	175.20
17.5	204.84	199.20	193.03	193.89	186.02	175.92	170.15	169.30
20.0	195.53	190.41	184.51	185.82	178.35	169.17	165.04	164.45
22.5	186.74	183.07	177.56	178.08	169.10	159.59	158.41	156.84
25.0	177.69	172.58	168.25	169.23	163.14	155.07	154.48	153.69
27.5	168.77	164.97	163.07	165.50	156.64	151.86	150.61	151.07
30.0	163.66	159.14	157.89	159.79	153.43	150.09	151.14	152.58
32.5	158.35	154.55	155.00	158.35	153.69	151.99	153.17	155.59
35.0	154.61	152.71	155.59	159.99	156.51	155.20	156.32	158.87
37.5	153.76	153.23	156.45	162.28	159.59	157.50	159.20	163.20
40.0	154.02	154.02	158.74	165.82	163.73	162.48	165.36	169.63
42.5	155.46	157.23	163.79	171.99	172.05	172.45	176.05	180.90
45.0	161.50	166.02	174.09	185.95	188.31	188.64	191.33	194.87
47.5	173.76	181.63	191.99	205.23	206.61	203.66	202.41	201.62
50.0	194.41	201.69	208.84	218.08	214.80	207.00	202.48	198.28
52.5	211.46	212.18	213.62	218.80	211.52	201.23	193.69	184.44
55.0	214.34	208.25	206.41	209.30	198.94	179.46	155.07	123.73
57.5	207.13	198.74	193.30	185.30	153.37	111.79	79.67	62.49
60.0	193.62	177.76	154.55	122.09	79.60	54.55	45.70	43.08
62.5	162.48	130.88	91.08	59.21	43.08	38.16	36.65	36.00
65.0	114.16	73.63	45.70	35.28	32.65	31.34	31.15	31.74
67.5	67.01	38.29	29.57	27.60	27.34	27.47	28.19	28.92
70.0	37.24	26.10	24.00	23.41	23.67	23.80	24.65	25.64
72.5	24.00	20.85	20.13	20.26	20.52	20.65	20.98	21.31
75.0	17.31	16.59	16.72	17.05	17.18	17.11	17.38	17.97
77.5	12.13	12.46	12.85	13.18	13.11	12.85	13.18	14.03
80.0	6.89	7.21	7.68	8.32	8.81	8.35	8.41	9.29
82.5	4.02	4.22	4.60	5.10	5.47	4.90	4.63	4.56
85.0	1.92	1.96	2.09	2.16	2.33	2.23	2.17	2.13
87.5	1.12	1.12	1.12	1.13	1.13	1.11	1.11	1.12
90.0	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.96

G/C [cd/klm]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	272.77	272.70	271.98	271.85	269.95	268.05	271.32	271.85
5.0	252.44	251.59	248.90	246.28	242.08	239.26	241.16	240.31
7.5	231.33	230.28	228.31	228.05	224.57	223.39	226.28	224.31
10.0	203.85	204.57	205.03	205.23	203.20	196.58	197.76	198.28
12.5	189.03	187.59	183.72	177.69	170.81	169.95	169.89	168.38
15.0	173.82	170.28	166.68	166.02	160.77	159.66	155.99	155.33
17.5	168.18	166.09	162.28	159.99	157.50	156.32	153.50	149.76
20.0	160.71	158.74	154.02	154.28	152.51	151.40	149.17	149.10

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
22.5	156.45	155.86	152.25	152.45	150.41	149.82	150.94	149.82
25.0	151.99	152.78	150.55	150.48	149.56	150.35	150.94	150.48
27.5	151.66	153.10	151.92	152.71	152.05	152.38	153.69	154.02
30.0	153.17	155.27	153.04	154.68	155.86	157.04	159.59	161.04
32.5	155.86	159.46	159.07	160.32	161.76	162.28	163.59	164.38
35.0	160.25	163.27	163.33	165.63	166.68	168.25	170.22	171.07
37.5	164.84	169.30	169.10	171.13	172.84	173.49	176.05	177.17
40.0	172.64	176.84	176.97	178.67	180.77	181.76	184.25	185.30
42.5	183.26	187.79	187.79	189.36	191.26	191.46	193.62	193.82
45.0	195.66	198.41	196.71	195.33	195.33	192.97	193.76	192.90
47.5	198.87	198.61	193.89	190.08	188.05	183.85	181.95	178.28
50.0	192.31	188.51	179.46	169.76	160.45	146.74	136.84	127.20
52.5	168.25	148.97	126.09	107.60	94.42	83.08	75.93	70.42
55.0	95.34	77.83	67.14	60.91	57.63	54.95	53.37	51.54
57.5	54.09	50.62	48.19	46.95	46.62	46.82	48.19	49.11
60.0	41.77	41.24	41.31	42.88	45.83	49.37	53.64	56.85
62.5	36.00	36.98	39.21	42.95	47.08	50.95	55.27	58.82
65.0	32.65	34.49	37.64	41.77	46.16	50.03	53.83	56.65
67.5	29.90	31.54	34.16	38.49	42.69	46.55	49.70	50.95
70.0	26.29	27.60	29.83	33.96	38.23	40.91	42.55	42.62
72.5	22.29	24.72	27.21	30.29	32.39	33.70	35.08	35.54
75.0	19.47	21.97	24.06	26.10	28.39	30.16	31.80	32.33
77.5	15.47	17.51	19.80	22.49	25.18	26.29	26.49	26.29
80.0	10.37	12.22	14.93	17.45	18.95	19.60	19.80	19.64
82.5	4.99	6.12	7.91	9.71	10.62	11.37	11.80	11.98
85.0	2.28	2.82	3.51	4.33	4.68	4.74	4.70	4.51
87.5	1.12	1.11	1.11	1.11	1.11	1.11	1.09	1.08
90.0	0.96	0.95	0.94	0.94	0.92	0.92	0.91	0.90

G/C [cd/klm]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	266.86	265.23	268.70	279.65	285.36	277.36	265.42	261.49
5.0	233.95	230.74	232.05	242.15	248.37	241.16	231.06	228.24
7.5	216.64	212.84	213.75	224.11	229.88	221.62	211.33	210.34
10.0	192.31	189.30	190.41	198.74	199.53	195.59	186.28	185.76
12.5	159.73	158.68	157.30	169.23	172.51	163.92	153.23	152.71
15.0	151.92	154.02	152.51	155.33	158.41	153.56	148.25	150.55
17.5	146.81	145.96	149.30	154.48	155.27	150.87	146.55	143.40
20.0	145.89	146.87	150.48	154.68	158.28	152.19	147.73	146.02
22.5	145.63	145.89	148.58	153.17	156.12	150.28	143.66	143.79
25.0	147.66	148.51	152.12	156.84	160.58	153.96	146.94	146.15
27.5	151.20	152.19	155.86	161.10	164.71	157.56	150.22	149.69
30.0	158.35	158.87	162.68	168.38	172.05	164.77	157.43	156.51
32.5	161.89	162.74	166.87	172.64	176.31	168.91	161.50	159.92
35.0	168.84	170.22	174.02	179.86	183.72	175.99	168.25	167.13
37.5	174.54	175.66	179.92	186.15	190.61	181.69	173.56	172.58
40.0	182.35	183.79	188.71	195.00	199.20	190.02	181.43	179.86
42.5	190.15	190.61	195.07	201.49	205.89	196.31	187.46	186.67
45.0	187.66	187.07	190.41	196.18	200.05	190.81	182.94	182.87
47.5	170.87	167.66	167.92	171.99	174.35	166.87	161.89	164.12
50.0	116.52	110.22	108.19	109.57	110.68	106.94	104.91	108.32
52.5	65.77	63.80	63.54	64.91	66.03	64.32	63.21	64.06
55.0	50.16	49.57	50.09	51.27	51.86	50.62	49.31	49.31
57.5	50.36	51.41	53.11	55.67	57.04	55.27	52.39	50.62
60.0	59.01	58.75	59.86	62.68	64.39	62.36	59.21	57.18

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
62.5	60.06	58.62	58.62	60.52	62.22	60.72	58.68	57.83
65.0	56.19	53.70	52.06	52.78	53.96	52.65	51.80	52.65
67.5	49.44	46.16	44.26	44.72	45.57	44.46	43.93	45.31
70.0	40.72	38.29	37.18	38.03	38.95	37.83	37.11	37.96
72.5	34.95	33.83	33.44	34.69	35.93	34.88	33.96	33.90
75.0	31.80	30.88	30.88	32.39	33.83	32.85	31.60	31.01
77.5	25.90	25.24	25.11	26.62	28.19	27.08	25.83	25.24
80.0	19.11	18.41	18.11	18.96	20.48	19.62	18.70	18.29
82.5	11.42	10.75	10.35	10.62	11.42	11.11	10.77	10.77
85.0	4.18	3.83	3.66	3.65	3.82	3.80	3.70	3.74
87.5	1.08	1.06	1.05	1.03	1.02	1.04	1.06	1.07
90.0	0.89	0.87	0.87	0.85	0.83	0.85	0.86	0.87

G/C [cd/klm]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	265.62	269.82	268.77	268.96	268.37	272.24	269.95	272.11
5.0	233.49	237.82	236.70	236.38	237.95	242.21	242.60	247.00
7.5	216.90	223.52	222.54	222.74	222.54	225.56	224.18	227.26
10.0	190.67	193.23	192.64	193.56	199.07	202.28	196.97	197.36
12.5	153.17	157.96	161.36	161.56	163.59	172.38	180.90	183.66
15.0	149.89	151.73	153.23	157.43	156.64	160.38	161.36	167.86
17.5	147.60	147.73	148.71	153.30	154.94	155.20	155.53	156.12
20.0	147.79	148.91	149.30	151.86	150.28	152.71	155.14	154.41
22.5	147.01	149.50	150.68	150.74	151.60	152.51	151.40	154.28
25.0	149.23	150.41	150.68	151.07	150.15	151.66	152.51	150.28
27.5	152.38	153.82	153.37	152.91	152.71	154.15	154.55	152.64
30.0	159.92	161.17	159.66	158.09	157.43	157.23	156.38	155.00
32.5	163.27	164.64	163.86	163.59	163.53	162.94	162.68	159.53
35.0	170.35	171.59	170.74	170.02	168.45	168.38	166.94	163.33
37.5	176.38	177.49	176.45	175.46	175.33	175.33	174.15	170.74
40.0	183.79	185.89	184.84	184.25	184.38	184.05	183.26	178.94
42.5	191.33	193.69	193.30	193.23	193.89	194.08	194.21	190.41
45.0	188.64	192.51	193.17	193.89	197.03	199.66	201.76	199.07
47.5	171.53	177.56	181.04	185.04	190.02	193.76	197.76	197.62
50.0	116.71	125.70	134.81	146.87	160.51	172.77	182.81	187.13
52.5	67.47	70.95	75.80	82.75	92.32	106.29	124.97	145.43
55.0	50.36	51.47	52.91	55.21	58.09	61.37	66.95	76.32
57.5	49.64	49.05	48.06	47.21	46.88	47.34	48.39	49.83
60.0	55.86	55.08	52.52	49.50	45.90	43.54	42.16	41.90
62.5	58.23	57.90	55.08	51.67	47.01	43.47	40.19	37.96
65.0	55.27	56.45	55.01	52.00	47.28	42.95	38.95	35.54
67.5	48.13	50.62	51.01	48.52	44.46	40.39	36.26	32.59
70.0	40.19	42.62	43.67	42.88	40.00	36.06	32.00	28.59
72.5	34.75	35.67	35.73	35.08	33.96	32.13	28.98	25.57
75.0	31.60	32.19	32.13	31.21	29.37	27.41	25.57	23.15
77.5	25.70	26.29	26.56	26.82	26.03	23.93	21.44	19.21
80.0	18.76	19.05	19.24	19.64	19.73	18.94	16.98	14.68
82.5	11.33	11.59	11.47	11.15	10.89	10.22	8.78	7.28
85.0	4.05	4.34	4.69	4.85	4.84	4.68	4.07	3.45
87.5	1.08	1.08	1.09	1.09	1.09	1.08	1.09	1.09
90.0	0.88	0.89	0.89	0.90	0.90	0.90	0.91	0.91

G/C [cd/klm]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
2.5	270.67	274.14	270.14	272.57	272.90	278.08	279.19	278.40
5.0	246.01	250.01	249.10	250.54	253.88	259.85	262.34	262.87
7.5	226.21	230.93	228.18	230.41	231.13	235.13	236.51	237.62
10.0	196.18	203.66	204.38	207.20	212.18	225.16	229.49	229.62
12.5	186.81	192.97	192.71	199.53	201.30	204.97	207.59	214.93
15.0	168.32	170.48	167.46	173.23	181.23	190.48	199.98	207.72
17.5	156.25	163.79	166.22	171.07	178.67	177.56	180.05	188.90
20.0	153.82	160.71	159.00	162.87	162.02	171.72	174.81	188.38
22.5	155.86	154.48	154.48	156.05	162.55	164.18	170.02	172.31
25.0	151.73	154.41	152.38	154.55	157.43	159.92	159.99	171.40
27.5	151.40	152.51	151.00	150.48	153.56	155.92	158.22	163.00
30.0	153.96	153.50	152.32	151.60	151.14	152.91	155.33	157.63
32.5	157.43	156.91	153.43	154.09	152.05	152.58	151.99	156.64
35.0	161.82	161.23	157.23	156.77	155.20	153.63	153.23	153.82
37.5	166.94	165.56	160.25	159.00	157.56	155.20	154.61	154.48
40.0	175.92	172.90	167.00	163.73	161.23	158.35	156.38	156.32
42.5	188.12	185.95	179.53	175.07	170.61	165.82	161.69	159.66
45.0	198.94	198.15	194.67	191.92	188.18	181.30	174.22	167.92
47.5	201.43	203.98	203.46	203.98	203.13	199.39	193.69	186.41
50.0	194.28	199.72	202.80	207.00	210.21	210.87	210.87	208.25
52.5	168.51	184.05	192.44	199.46	205.69	209.23	212.84	216.11
55.0	96.58	125.24	153.69	175.79	190.81	199.39	206.74	213.36
57.5	53.64	61.63	79.86	113.57	150.15	174.81	191.99	203.20
60.0	42.36	43.47	45.77	54.82	81.96	120.65	155.79	180.12
62.5	36.72	36.52	36.92	38.16	42.75	59.73	96.85	137.56
65.0	33.64	32.59	32.00	31.87	33.05	35.41	47.41	81.76
67.5	30.56	29.51	28.72	28.00	27.87	28.26	30.95	41.70
70.0	26.95	26.23	25.51	24.85	24.33	23.21	23.80	26.88
72.5	23.28	22.62	21.64	20.92	20.79	20.13	20.06	20.79
75.0	19.93	18.42	17.97	17.57	17.44	16.92	16.65	16.52
77.5	16.59	14.56	13.64	13.38	13.44	13.11	12.52	11.80
80.0	12.16	10.25	8.68	8.14	8.07	7.42	6.97	6.62
82.5	5.74	4.90	4.70	4.60	4.65	4.35	4.01	3.74
85.0	2.75	2.22	2.10	2.09	2.07	2.00	1.95	1.84
87.5	1.09	1.08	1.08	1.07	1.06	1.06	1.05	1.04
90.0	0.92	0.91	0.90	0.90	0.90	0.90	0.89	0.88

G/C [cd/klm]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	274.67	275.00	277.09	280.44	283.26	286.86	287.58	287.52
5.0	260.11	261.09	265.23	268.24	270.21	274.73	276.18	276.63
7.5	238.41	240.38	247.72	253.75	259.13	265.29	268.18	269.49
10.0	228.44	230.47	234.41	236.51	238.80	248.37	255.39	258.87
12.5	213.49	215.00	223.79	228.70	231.06	239.00	243.52	247.65
15.0	207.39	208.18	210.61	220.25	222.93	229.23	234.67	240.24
17.5	196.64	201.89	205.10	213.95	216.51	222.02	225.69	230.74
20.0	186.61	188.05	195.26	207.79	212.38	217.62	219.85	224.05
22.5	182.35	182.87	187.53	192.25	205.43	212.64	215.98	218.61
25.0	169.89	172.71	183.72	189.23	195.13	206.61	211.98	215.79
27.5	164.45	171.13	171.66	184.97	192.64	196.51	206.74	212.31
30.0	162.55	160.71	164.58	180.05	184.64	192.12	202.67	209.03
32.5	156.12	157.82	165.10	169.43	178.67	188.18	198.94	206.08
35.0	153.56	157.17	161.30	162.81	173.43	185.63	197.17	204.90
37.5	153.89	154.68	158.09	162.81	172.97	183.46	195.92	204.57
40.0	154.55	153.69	156.51	162.74	171.40	182.48	193.76	204.97

Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
42.5	157.50	156.32	158.55	163.86	171.07	181.17	193.10	205.10
45.0	163.00	160.18	160.38	165.23	171.20	181.10	192.31	205.62
47.5	175.07	167.79	164.64	168.38	172.51	182.08	191.00	205.30
50.0	198.67	185.82	174.22	170.41	172.77	180.71	190.28	200.71
52.5	215.07	208.05	195.13	179.53	171.99	173.63	181.95	190.87
55.0	217.62	218.15	214.28	201.76	182.81	174.02	177.95	183.33
57.5	209.69	215.20	218.28	215.39	201.95	184.12	177.36	179.99
60.0	195.13	204.38	211.66	215.39	212.84	200.64	183.33	179.00
62.5	165.95	184.44	196.97	206.67	211.20	209.75	195.59	183.72
65.0	121.76	152.32	174.54	192.44	204.31	211.20	206.08	192.58
67.5	76.32	116.38	149.56	177.30	198.48	213.10	216.11	204.84
70.0	42.16	85.37	131.01	170.28	203.53	231.39	247.46	244.77
72.5	24.85	54.29	122.09	186.02	230.87	265.03	287.65	302.53
75.0	17.18	21.90	54.95	120.45	173.43	211.85	238.74	258.60
77.5	11.54	12.72	16.92	33.96	65.11	86.75	100.58	115.20
80.0	6.39	6.26	6.89	8.90	13.26	16.79	19.62	26.86
82.5	3.70	3.65	3.67	3.83	4.25	4.99	5.95	6.71
85.0	1.80	1.74	1.74	1.80	1.87	1.95	2.09	2.33
87.5	1.02	1.00	0.98	0.98	0.98	0.97	0.98	1.02
90.0	0.87	0.86	0.87	0.88	0.87	0.87	0.87	0.87

G/C [cd/klm]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
0.0	304.03	304.03	304.03	304.03	304.03	304.03	304.03	304.03
2.5	290.01	291.98	292.44	295.65	295.52	294.86	294.08	293.88
5.0	279.06	282.80	284.70	287.98	288.96	290.14	291.58	293.16
7.5	272.77	276.18	276.90	280.44	285.09	287.39	287.45	289.75
10.0	265.95	271.13	275.98	280.77	283.13	285.49	286.27	289.88
12.5	260.57	267.52	270.14	275.32	278.93	282.27	286.60	290.54
15.0	247.33	256.83	263.46	269.62	276.50	281.81	284.37	288.57
17.5	240.05	248.83	257.69	268.83	274.73	280.11	283.85	293.49
20.0	232.05	242.01	251.72	264.05	272.24	280.63	288.76	294.80
22.5	225.43	235.39	246.80	260.31	273.16	282.14	289.22	296.44
25.0	221.62	230.02	241.42	256.05	270.47	281.29	289.81	298.01
27.5	218.74	225.95	235.46	252.37	269.23	281.88	291.45	300.50
30.0	216.51	223.39	231.20	248.90	268.44	283.06	294.14	304.37
32.5	214.21	221.75	229.29	246.15	268.44	285.29	297.29	309.16
35.0	213.30	222.08	229.10	244.24	268.44	287.58	301.22	314.07
37.5	213.69	222.61	229.23	242.41	265.82	287.98	302.34	315.91
40.0	214.48	223.66	230.15	241.95	264.24	288.96	303.91	317.81
42.5	214.74	223.98	230.15	240.24	261.95	288.76	304.37	318.66
45.0	214.80	223.00	229.16	238.74	259.52	288.90	305.42	320.37
47.5	214.80	221.88	227.85	236.90	255.78	287.45	304.96	320.57
50.0	213.89	220.90	225.82	234.87	252.70	285.88	303.85	319.71
52.5	205.95	212.84	218.41	228.90	248.24	286.34	308.76	326.53
55.0	198.35	204.97	211.26	225.69	246.80	290.01	318.53	336.56
57.5	188.64	196.97	200.97	214.67	237.23	280.31	312.96	330.01
60.0	185.04	190.94	192.44	202.02	221.03	257.82	289.29	304.04
62.5	182.54	186.41	185.56	191.46	207.59	239.65	270.54	284.11
65.0	181.89	180.12	176.18	178.35	192.18	222.08	253.23	266.21
67.5	186.61	175.92	168.12	167.66	178.94	204.90	234.67	245.69
70.0	214.54	185.56	167.53	160.51	166.41	185.63	210.41	217.89
72.5	293.22	252.24	207.92	184.77	177.04	181.43	193.17	194.08
75.0	268.77	260.31	223.92	194.80	179.00	172.38	173.04	170.02
77.5	125.89	131.92	124.97	117.70	110.09	104.39	101.43	98.68
80.0	33.97	32.16	23.82	18.54	16.37	15.49	15.55	15.49

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Intensity [cd/klm] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC
802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
82.5	6.86	6.87	6.81	6.67	6.73	6.62	6.92	7.03
85.0	2.56	2.71	2.88	3.01	3.06	3.05	3.04	3.08
87.5	1.07	1.09	1.11	1.12	1.13	1.08	0.95	0.79
90.0	0.88	0.87	0.86	0.83	0.80	0.69	0.54	0.31

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007		
Sample Number:	1170-QL16-S28		
Report Number:			
Model:	HYDROCITY 02 24+24 LED STREET OPTIC 802007		
Flux:	3829 lm	Flux 2	0.00 lm
Date:	15/11/2016 11.21.31		
Manufacturer:	PUK ITALIA		

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1132.8	1141.8	1160.7	1172.2	1175.2	1172.2	1169.2	1173.0
5.0	1139.1	1150.6	1163.4	1175.7	1180.0	1175.7	1175.7	1181.8
7.5	1144.4	1157.4	1154.6	1173.2	1186.0	1184.8	1178.5	1187.8
10.0	1145.4	1154.1	1162.9	1185.5	1203.9	1210.9	1213.4	1219.2
12.5	1144.1	1157.2	1179.5	1194.3	1213.1	1223.2	1228.0	1241.8
15.0	1140.1	1157.4	1182.5	1213.1	1234.7	1233.7	1241.8	1258.6
17.5	1149.4	1174.2	1193.3	1224.2	1249.3	1266.6	1276.4	1282.7
20.0	1156.2	1187.3	1224.4	1254.3	1268.6	1289.2	1302.8	1306.8
22.5	1166.4	1200.1	1240.5	1280.7	1313.3	1337.2	1331.6	1320.1
25.0	1176.0	1212.6	1256.6	1300.8	1338.9	1365.0	1343.2	1334.4
27.5	1189.8	1229.7	1278.7	1327.9	1371.6	1386.4	1365.3	1357.3
30.0	1207.4	1251.1	1305.8	1360.0	1406.2	1406.0	1390.9	1386.9
32.5	1229.5	1275.9	1334.9	1393.4	1441.1	1432.8	1424.3	1420.0
35.0	1250.6	1301.8	1365.3	1426.8	1474.8	1465.0	1462.4	1464.7
37.5	1260.6	1313.3	1379.3	1448.6	1491.6	1493.8	1492.6	1501.4
40.0	1269.4	1325.1	1395.2	1471.5	1512.4	1524.0	1525.5	1523.2
42.5	1276.2	1333.7	1408.0	1490.3	1531.7	1548.1	1558.9	1539.5
45.0	1283.9	1344.4	1423.0	1509.4	1548.1	1571.9	1577.4	1539.8
47.5	1288.0	1350.0	1429.1	1518.9	1555.3	1587.2	1583.0	1542.5
50.0	1286.2	1347.5	1425.8	1518.2	1556.8	1585.7	1567.1	1542.5
52.5	1317.8	1377.8	1460.7	1550.1	1600.5	1629.4	1612.6	1620.4
55.0	1358.0	1419.8	1511.2	1606.6	1673.3	1710.0	1703.5	1695.4
57.5	1329.6	1393.9	1496.6	1619.9	1713.0	1754.4	1742.6	1712.3
60.0	1222.2	1280.2	1384.4	1528.2	1647.7	1695.2	1687.4	1670.6
62.5	1140.1	1198.6	1312.6	1489.6	1621.6	1657.8	1639.4	1619.1
65.0	1065.5	1121.3	1247.5	1459.2	1595.3	1616.6	1594.3	1569.4
67.5	979.1	1030.4	1172.2	1420.3	1543.3	1556.3	1537.0	1517.2
70.0	859.6	899.8	1079.1	1338.9	1462.2	1499.1	1505.1	1496.3
72.5	752.7	795.6	1014.3	1191.0	1285.2	1326.9	1381.1	1464.7
75.0	650.3	683.6	844.1	928.4	1009.3	1062.3	1145.6	1255.1
77.5	374.3	386.6	409.0	435.6	489.1	515.2	543.1	568.7
80.0	61.2	64.4	67.6	77.6	87.0	98.8	117.2	139.9
82.5	27.2	28.7	29.5	31.4	33.9	34.7	35.6	35.5
85.0	11.4	12.2	12.9	13.7	14.2	14.5	14.7	14.4
87.5	2.5	2.9	3.6	4.3	4.7	4.9	4.9	4.9
90.0	0.5	1.0	1.7	2.4	2.9	3.1	3.2	3.2

G/C [cd]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1183.8	1180.5	1188.5	1193.1	1171.7	1175.0	1175.7	1168.0
5.0	1190.5	1185.3	1197.3	1207.6	1193.3	1200.6	1207.6	1199.6

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
7.5	1208.1	1212.9	1227.7	1238.5	1224.4	1222.9	1223.4	1212.6
10.0	1231.0	1231.0	1238.0	1249.3	1224.7	1242.8	1248.5	1239.5
12.5	1265.4	1261.6	1267.4	1278.2	1247.8	1245.8	1246.3	1228.2
15.0	1287.2	1284.4	1287.5	1286.7	1251.1	1248.8	1251.3	1247.5
17.5	1302.8	1283.2	1287.2	1292.0	1271.6	1273.6	1272.4	1265.9
20.0	1307.8	1292.5	1297.8	1311.3	1301.8	1300.0	1279.4	1252.6
22.5	1326.1	1324.9	1325.6	1335.7	1309.6	1287.5	1251.6	1214.6
25.0	1343.2	1352.2	1363.3	1342.7	1298.3	1257.6	1223.2	1185.8
27.5	1367.0	1382.1	1368.0	1335.9	1277.4	1238.5	1214.6	1189.5
30.0	1401.2	1397.2	1369.8	1320.8	1269.4	1236.7	1217.4	1200.1
32.5	1437.6	1408.5	1359.8	1321.9	1274.4	1243.0	1232.0	1218.7
35.0	1459.2	1416.8	1366.5	1330.9	1280.7	1262.6	1255.6	1233.5
37.5	1471.2	1424.0	1390.4	1351.0	1314.3	1295.0	1277.7	1247.5
40.0	1483.8	1438.3	1408.7	1378.1	1347.5	1321.1	1292.2	1258.6
42.5	1492.8	1468.2	1432.1	1406.7	1375.1	1347.2	1320.3	1273.4
45.0	1504.9	1485.8	1462.2	1460.7	1439.9	1394.9	1340.7	1247.8
47.5	1521.4	1525.0	1533.8	1539.0	1491.6	1418.3	1311.1	1195.3
50.0	1582.5	1586.7	1575.4	1552.8	1471.5	1359.8	1228.2	1156.2
52.5	1632.7	1603.8	1560.9	1515.9	1411.7	1266.1	1201.6	1165.7
55.0	1671.1	1624.4	1574.7	1494.6	1345.7	1223.7	1154.1	1032.1
57.5	1676.4	1632.9	1576.2	1464.2	1260.1	1087.4	962.6	884.5
60.0	1648.7	1601.8	1525.2	1338.2	1096.6	939.5	859.9	808.2
62.5	1593.0	1544.8	1425.3	1158.9	964.8	861.4	794.1	721.1
65.0	1544.0	1487.3	1282.2	1011.3	879.2	793.6	706.2	593.0
67.5	1500.4	1415.2	1133.6	922.4	815.5	714.3	596.5	450.2
70.0	1489.6	1367.3	1052.2	915.1	790.9	654.0	492.8	312.1
72.5	1556.1	1327.4	1048.4	944.8	802.9	626.4	412.0	182.0
75.0	1245.3	1014.0	853.4	759.5	623.1	426.3	192.8	95.9
77.5	548.6	455.9	378.6	322.6	232.2	116.2	65.8	57.0
80.0	153.7	126.5	90.8	71.3	57.0	40.4	33.9	31.9
82.5	34.3	31.5	27.6	24.0	20.8	19.1	17.8	17.9
85.0	13.2	11.9	10.5	9.8	9.4	9.1	8.8	8.8
87.5	4.7	4.5	4.4	4.3	4.3	4.3	4.4	4.4
90.0	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.2

G/C [cd]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1166.7	1183.8	1206.9	1198.6	1174.0	1169.0	1175.0	1176.5
5.0	1195.3	1216.2	1240.3	1235.7	1210.9	1202.8	1206.6	1209.9
7.5	1212.6	1220.2	1240.3	1240.8	1210.6	1206.4	1213.6	1210.6
10.0	1237.0	1240.3	1261.1	1255.1	1212.1	1198.6	1205.6	1206.1
12.5	1220.2	1234.0	1251.1	1263.9	1223.7	1216.7	1221.4	1215.9
15.0	1247.0	1265.1	1274.4	1267.6	1222.2	1197.6	1186.3	1165.2
17.5	1252.6	1256.8	1244.3	1234.7	1175.5	1143.8	1131.3	1119.5
20.0	1216.2	1206.9	1199.8	1186.3	1138.8	1109.2	1120.5	1117.7
22.5	1175.7	1171.0	1177.5	1174.7	1138.1	1119.2	1127.8	1129.0
25.0	1157.2	1160.9	1184.0	1188.0	1142.6	1137.3	1152.6	1155.4
27.5	1163.7	1172.7	1201.6	1199.1	1159.9	1143.1	1161.7	1162.2
30.0	1181.0	1186.5	1207.9	1211.4	1167.4	1154.4	1162.7	1160.4
32.5	1195.6	1196.3	1218.2	1213.1	1163.7	1136.8	1131.5	1124.3
35.0	1205.4	1199.6	1212.9	1194.1	1130.5	1095.9	1093.6	1089.4
37.5	1211.9	1196.6	1186.0	1159.4	1099.4	1067.5	1066.0	1065.8
40.0	1211.9	1171.0	1153.1	1133.1	1077.1	1042.9	1043.2	1044.9
42.5	1194.1	1140.6	1124.3	1104.7	1056.2	1032.9	1035.6	1041.2
45.0	1150.6	1102.9	1097.2	1098.9	1060.2	1037.9	1039.4	1039.9
47.5	1112.5	1088.9	1099.9	1116.2	1069.5	1028.9	1003.5	977.4
50.0	1119.2	1100.2	1099.2	1081.8	992.2	925.4	890.5	861.4

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
52.5	1095.4	1011.3	969.4	948.0	871.4	816.5	780.3	742.4
55.0	924.7	863.2	852.1	845.3	768.3	694.4	615.9	523.7
57.5	824.5	788.1	771.5	729.8	593.3	452.2	344.7	291.0
60.0	745.4	682.4	605.1	487.3	333.9	258.3	235.7	227.7
62.5	620.6	502.9	377.6	270.9	221.4	205.6	196.3	187.3
65.0	450.4	310.6	217.2	184.3	170.5	163.7	161.9	162.4
67.5	288.2	180.0	152.6	147.9	144.4	143.6	144.4	145.6
70.0	168.7	130.1	123.3	125.0	126.3	126.5	127.3	128.0
72.5	115.5	103.9	101.7	102.7	102.9	103.2	105.4	105.7
75.0	81.8	79.6	80.8	82.6	82.1	80.3	79.8	79.1
77.5	54.7	58.2	63.3	65.5	63.8	61.0	58.7	57.2
80.0	34.6	40.4	45.3	47.3	47.3	43.7	39.6	36.4
82.5	18.4	20.7	25.8	28.7	29.4	26.9	23.9	21.6
85.0	9.0	9.4	11.0	12.7	13.7	13.4	12.0	10.7
87.5	4.5	4.6	4.6	4.7	4.7	4.7	4.7	4.8
90.0	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.5

G/C [cd]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1188.5	1189.8	1182.3	1190.3	1181.8	1186.8	1192.6	1183.3
5.0	1227.5	1233.5	1224.4	1232.7	1225.2	1228.7	1223.4	1209.4
7.5	1220.4	1207.4	1196.3	1215.9	1200.6	1205.4	1209.9	1201.8
10.0	1202.6	1197.3	1190.8	1206.6	1202.6	1202.1	1196.8	1185.8
12.5	1222.4	1203.1	1183.0	1195.1	1162.9	1158.7	1152.4	1149.4
15.0	1162.2	1155.1	1114.0	1124.3	1105.7	1109.2	1092.6	1083.6
17.5	1119.5	1118.0	1092.6	1109.2	1093.6	1103.4	1100.7	1084.1
20.0	1121.5	1120.0	1107.4	1124.8	1118.5	1136.3	1122.3	1124.0
22.5	1137.1	1146.9	1136.3	1160.7	1153.1	1162.9	1157.4	1158.9
25.0	1162.4	1166.4	1153.9	1173.7	1165.9	1180.8	1173.2	1163.9
27.5	1170.0	1174.0	1160.7	1179.0	1164.4	1171.0	1159.2	1149.1
30.0	1155.1	1154.9	1129.0	1142.3	1130.5	1135.1	1125.8	1119.7
32.5	1112.7	1114.2	1096.1	1112.7	1107.2	1113.2	1101.7	1091.9
35.0	1084.3	1085.6	1071.8	1090.6	1083.1	1091.4	1080.6	1071.3
37.5	1059.0	1064.5	1048.9	1068.8	1061.2	1066.0	1059.2	1053.0
40.0	1040.9	1048.2	1032.6	1052.0	1044.7	1051.0	1045.4	1040.9
42.5	1033.9	1039.4	1018.8	1034.6	1022.6	1026.4	1020.8	1012.5
45.0	1019.3	1011.0	976.9	980.4	957.1	952.5	943.2	929.7
47.5	937.0	915.9	871.2	869.7	843.8	832.8	817.7	796.1
50.0	820.5	792.9	740.1	722.6	690.4	662.8	634.4	594.0
52.5	682.6	623.1	543.3	489.6	434.6	394.9	367.1	342.2
55.0	421.8	353.2	310.6	291.7	280.7	275.2	270.6	265.1
57.5	263.6	252.3	242.5	239.0	234.2	231.2	229.5	228.5
60.0	220.4	214.2	206.6	205.1	209.1	219.2	230.5	238.5
62.5	181.5	181.5	186.5	197.8	210.6	224.5	237.5	248.8
65.0	164.9	170.5	179.5	193.6	206.4	218.4	230.2	238.3
67.5	147.9	153.4	162.7	177.3	190.6	201.6	207.9	209.1
70.0	128.8	131.8	139.6	151.4	157.9	160.7	161.9	157.4
72.5	105.9	106.5	107.2	110.0	112.0	111.7	111.5	109.0
75.0	79.6	78.3	76.3	75.1	75.6	78.8	82.3	83.4
77.5	55.5	53.5	52.7	53.7	56.2	59.5	63.0	65.5
80.0	34.7	34.8	36.7	40.5	44.0	46.1	47.1	48.8
82.5	20.2	21.1	23.7	26.4	28.8	30.5	31.6	32.7
85.0	10.2	11.0	12.9	14.8	15.5	15.7	15.3	14.9
87.5	4.8	4.8	4.9	4.9	4.9	5.0	5.0	4.9
90.0	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1172.5	1170.5	1201.3	1257.6	1266.9	1207.4	1179.2	1173.0
5.0	1184.0	1182.0	1207.4	1260.3	1268.6	1203.6	1173.5	1169.0
7.5	1189.0	1192.6	1215.4	1257.3	1264.4	1193.8	1159.9	1170.2
10.0	1188.8	1188.5	1211.4	1264.4	1269.4	1194.1	1156.7	1156.4
12.5	1131.5	1140.6	1158.2	1212.4	1213.4	1139.8	1099.2	1112.5
15.0	1068.8	1097.9	1122.5	1160.4	1156.9	1085.6	1057.7	1067.8
17.5	1070.5	1092.4	1131.3	1172.0	1173.0	1099.4	1066.8	1069.0
20.0	1123.8	1138.1	1178.5	1223.9	1218.9	1148.6	1119.0	1120.8
22.5	1148.9	1164.4	1196.8	1244.3	1239.0	1165.4	1132.6	1138.8
25.0	1155.6	1171.0	1204.4	1252.3	1243.8	1173.0	1139.6	1146.1
27.5	1135.6	1147.6	1178.2	1225.4	1216.4	1146.1	1114.2	1122.5
30.0	1105.7	1113.5	1140.1	1186.0	1178.0	1110.7	1079.8	1088.6
32.5	1075.3	1082.3	1107.4	1150.4	1142.6	1077.1	1049.7	1059.0
35.0	1056.0	1063.5	1086.4	1128.8	1118.7	1053.7	1029.9	1042.2
37.5	1035.4	1042.2	1065.8	1108.2	1099.9	1034.1	1011.0	1022.8
40.0	1021.6	1025.1	1047.4	1089.6	1079.8	1012.3	991.5	1004.0
42.5	988.2	989.7	1008.5	1050.7	1041.9	975.1	958.3	975.9
45.0	900.6	897.6	910.9	947.8	939.2	879.2	869.2	890.3
47.5	763.0	753.9	761.2	789.3	780.6	733.4	728.8	748.9
50.0	557.6	539.0	536.3	548.3	541.0	516.7	522.0	543.8
52.5	325.9	319.6	320.6	326.1	323.9	311.3	311.8	320.4
55.0	261.4	260.4	263.9	268.1	265.4	253.3	250.1	254.1
57.5	228.7	232.2	237.0	243.0	243.8	233.0	226.7	225.7
60.0	248.6	253.6	260.1	270.1	273.9	264.4	253.1	244.8
62.5	256.8	256.1	259.1	266.4	271.4	263.4	254.6	248.3
65.0	237.5	230.0	225.7	228.2	232.5	227.7	225.2	227.5
67.5	200.9	188.5	181.0	180.8	182.5	179.5	180.0	186.3
70.0	146.9	135.6	128.0	127.0	128.5	126.8	128.5	134.8
72.5	103.9	98.2	93.6	93.4	95.2	93.4	93.4	96.2
75.0	81.6	79.1	77.6	78.3	81.1	79.6	78.1	77.8
77.5	66.5	65.5	65.0	67.0	70.3	68.5	65.8	64.5
80.0	49.5	48.7	47.8	49.2	52.1	50.8	48.8	47.1
82.5	32.7	31.7	31.0	31.6	33.7	33.2	31.7	31.2
85.0	14.6	13.9	13.3	13.0	13.7	13.6	13.5	13.7
87.5	4.9	4.9	4.9	4.8	4.7	4.8	4.9	5.0
90.0	3.4	3.3	3.3	3.2	3.2	3.3	3.4	3.4

G/C [cd]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1195.1	1197.8	1190.0	1187.8	1189.8	1194.1	1187.8	1179.8
5.0	1191.3	1202.3	1211.1	1216.7	1230.0	1236.0	1231.7	1223.2
7.5	1196.3	1207.6	1207.6	1209.1	1213.4	1220.2	1214.6	1202.8
10.0	1192.6	1201.6	1189.0	1206.4	1212.4	1209.1	1208.1	1195.6
12.5	1139.8	1153.9	1157.7	1162.7	1177.2	1198.8	1208.6	1197.8
15.0	1086.6	1090.4	1094.6	1111.5	1124.3	1133.8	1145.4	1146.1
17.5	1092.6	1101.2	1107.4	1118.0	1126.5	1127.3	1133.6	1121.5
20.0	1140.1	1141.3	1138.1	1151.4	1157.9	1144.9	1150.9	1136.1
22.5	1162.7	1173.5	1174.7	1180.0	1187.8	1182.5	1181.3	1166.4
25.0	1168.5	1177.0	1182.8	1189.8	1195.8	1192.6	1197.8	1182.5
27.5	1145.9	1158.7	1164.9	1174.5	1188.3	1188.8	1200.3	1188.5
30.0	1115.2	1128.3	1128.5	1136.8	1153.1	1153.4	1168.2	1165.7
32.5	1085.4	1100.7	1101.9	1115.2	1131.5	1130.0	1142.6	1131.8
35.0	1067.8	1082.1	1082.1	1094.4	1110.0	1113.2	1120.5	1107.2
37.5	1050.2	1065.5	1063.3	1075.1	1094.4	1096.9	1102.9	1089.1
40.0	1035.4	1049.7	1044.7	1056.7	1076.1	1077.1	1085.4	1070.3
42.5	1010.5	1024.8	1019.6	1031.9	1055.0	1059.5	1072.3	1062.5

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
45.0	929.7	946.8	944.5	961.6	995.5	1012.3	1036.1	1034.1
47.5	790.3	811.4	817.7	841.6	880.0	902.8	933.7	946.5
50.0	586.0	618.4	642.2	673.4	721.6	761.0	803.4	824.0
52.5	341.2	358.3	381.1	417.3	476.8	538.3	604.8	662.1
55.0	262.1	266.6	271.1	278.9	294.0	310.3	343.2	400.9
57.5	228.2	229.0	229.5	232.7	238.0	243.0	248.8	258.1
60.0	240.0	234.7	226.7	218.7	211.4	210.1	214.7	220.7
62.5	245.5	241.5	231.2	221.9	209.6	198.8	190.3	186.5
65.0	233.5	236.3	229.7	220.2	205.9	194.1	183.0	173.2
67.5	198.3	210.4	211.9	205.9	194.1	181.3	168.2	157.2
70.0	146.4	159.4	165.7	168.2	165.5	157.7	146.9	136.1
72.5	102.7	109.7	114.5	117.7	118.8	117.0	115.0	110.0
75.0	80.8	82.6	83.1	80.6	78.3	79.3	80.8	82.3
77.5	65.3	64.8	63.5	60.3	56.5	54.5	54.7	56.7
80.0	47.3	47.3	46.7	45.6	43.2	40.2	36.8	35.7
82.5	31.5	31.6	31.2	29.8	28.1	26.1	23.1	21.2
85.0	14.3	14.9	15.1	15.1	14.2	13.3	12.1	11.3
87.5	5.0	5.0	5.1	5.1	5.1	5.0	5.0	5.0
90.0	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6

G/C [cd]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1183.0	1184.5	1172.0	1173.2	1174.7	1180.0	1185.0	1186.5
5.0	1227.7	1231.2	1223.2	1226.7	1218.7	1219.7	1224.4	1223.9
7.5	1207.1	1221.2	1212.6	1216.2	1216.4	1214.6	1217.4	1218.9
10.0	1200.8	1220.2	1212.4	1213.4	1214.4	1222.7	1235.5	1241.5
12.5	1223.7	1234.2	1224.4	1235.0	1233.2	1236.0	1229.5	1246.8
15.0	1171.5	1183.8	1192.3	1219.9	1237.2	1240.5	1258.1	1283.7
17.5	1136.6	1142.3	1142.6	1169.7	1193.8	1211.9	1232.5	1284.7
20.0	1146.6	1153.9	1144.9	1152.9	1161.9	1163.7	1188.8	1238.2
22.5	1174.0	1172.0	1162.2	1162.2	1168.7	1170.7	1175.7	1210.6
25.0	1192.6	1195.1	1189.8	1186.5	1193.1	1186.0	1189.8	1208.6
27.5	1199.8	1198.6	1194.1	1199.3	1206.9	1206.6	1210.4	1231.2
30.0	1183.8	1189.3	1189.3	1197.1	1204.9	1209.9	1216.4	1240.3
32.5	1148.6	1155.9	1161.9	1181.8	1198.8	1206.1	1223.7	1244.0
35.0	1123.5	1123.0	1124.0	1144.6	1177.2	1194.3	1220.2	1251.1
37.5	1101.2	1103.9	1105.4	1120.2	1145.1	1168.0	1202.8	1245.0
40.0	1085.1	1076.3	1074.3	1086.1	1113.0	1139.6	1180.3	1232.7
42.5	1080.3	1068.3	1065.3	1071.0	1087.1	1106.7	1149.9	1208.4
45.0	1066.0	1063.0	1068.0	1073.3	1086.4	1090.4	1114.0	1162.2
47.5	997.0	1011.5	1043.2	1065.8	1095.1	1103.2	1116.2	1135.6
50.0	875.5	891.5	928.7	968.9	1030.1	1078.8	1122.3	1146.9
52.5	747.9	783.8	821.5	854.9	903.1	938.2	994.7	1078.8
55.0	502.1	587.0	681.9	752.2	806.7	835.5	869.7	909.1
57.5	283.7	334.2	421.8	545.1	675.6	749.7	797.1	821.0
60.0	228.7	234.5	252.3	314.1	427.1	565.1	679.1	740.1
62.5	188.8	195.3	205.1	215.4	250.8	343.2	476.8	599.0
65.0	167.2	165.2	166.5	169.7	178.0	202.4	283.2	412.5
67.5	150.1	147.6	146.6	146.1	147.1	149.9	164.7	243.3
70.0	130.6	129.0	128.0	124.8	121.3	120.0	124.8	146.9
72.5	107.2	105.7	104.2	103.4	102.9	100.9	101.2	107.2
75.0	82.6	83.6	84.9	85.1	84.4	81.6	79.6	79.6
77.5	58.7	61.0	63.8	66.3	67.8	66.5	62.5	57.0
80.0	36.2	38.6	42.5	46.0	48.0	46.0	42.0	36.6
82.5	21.1	23.1	25.5	27.8	29.1	27.9	24.3	19.4
85.0	10.9	11.3	12.4	13.4	13.8	12.7	10.7	9.7
87.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
90.0	3.6	3.6	3.6	3.6	3.6	3.7	3.6	3.6

G/C [cd]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1171.2	1165.2	1168.5	1176.5	1185.0	1195.8	1193.8	1183.5
5.0	1206.4	1198.6	1201.3	1201.8	1200.6	1210.4	1209.6	1201.8
7.5	1227.2	1230.5	1228.5	1229.2	1238.8	1244.3	1236.5	1217.7
10.0	1251.1	1247.3	1244.5	1246.0	1245.5	1256.1	1245.5	1238.0
12.5	1244.0	1233.0	1244.0	1252.6	1258.6	1283.7	1273.9	1268.6
15.0	1276.4	1260.3	1249.3	1258.8	1261.1	1292.0	1295.0	1293.5
17.5	1287.2	1282.7	1274.4	1285.2	1284.7	1298.8	1299.0	1296.2
20.0	1253.8	1271.9	1286.7	1317.8	1321.1	1323.4	1311.8	1307.8
22.5	1218.2	1236.7	1263.6	1307.5	1335.7	1352.5	1343.2	1340.2
25.0	1208.6	1217.4	1241.5	1283.2	1324.4	1367.5	1389.4	1373.8
27.5	1224.9	1223.4	1243.0	1269.9	1306.3	1358.5	1400.9	1410.5
30.0	1240.0	1238.2	1245.3	1274.9	1304.0	1350.7	1401.2	1436.3
32.5	1250.0	1253.3	1264.4	1280.7	1313.1	1349.5	1392.7	1444.4
35.0	1259.8	1271.4	1287.0	1306.0	1321.4	1360.5	1396.9	1445.6
37.5	1266.9	1280.9	1305.3	1330.9	1349.7	1382.9	1413.2	1444.4
40.0	1268.6	1291.7	1317.6	1351.7	1377.1	1392.7	1427.3	1454.4
42.5	1264.4	1311.3	1349.0	1379.1	1399.9	1421.3	1451.9	1475.8
45.0	1223.7	1302.3	1379.8	1430.6	1459.9	1472.2	1467.0	1489.3
47.5	1170.7	1248.0	1362.8	1458.4	1516.4	1555.3	1551.8	1530.5
50.0	1152.9	1183.5	1281.7	1414.5	1507.1	1576.2	1609.8	1614.8
52.5	1148.9	1176.5	1215.2	1319.6	1447.4	1539.3	1603.3	1646.0
55.0	978.9	1087.4	1192.3	1265.4	1397.2	1523.7	1611.3	1668.1
57.5	849.6	903.6	1023.3	1171.7	1334.4	1503.4	1623.4	1698.2
60.0	785.8	829.3	893.3	1019.3	1211.4	1440.6	1590.7	1690.7
62.5	691.9	770.0	836.3	910.6	1059.7	1310.1	1517.2	1634.7
65.0	553.8	669.3	764.5	846.6	948.0	1158.9	1448.9	1584.5
67.5	394.9	552.6	687.7	803.4	910.1	1066.8	1333.2	1524.2
70.0	254.1	447.9	645.2	804.2	929.4	1067.5	1326.4	1610.8
72.5	147.4	340.2	601.3	789.8	926.9	1044.7	1256.8	1592.0
75.0	87.1	120.5	288.7	525.2	675.6	788.3	917.4	1146.4
77.5	56.0	61.8	79.8	142.4	231.2	287.7	346.5	456.4
80.0	32.3	31.9	35.3	41.8	52.6	62.0	76.0	109.7
82.5	18.1	18.0	18.6	20.5	22.5	24.8	28.4	32.5
85.0	9.6	9.6	9.7	10.0	10.5	11.2	12.1	13.6
87.5	5.0	4.9	4.9	5.0	5.1	5.2	5.5	6.0
90.0	3.6	3.5	3.5	3.5	3.5	3.5	3.6	3.8

G/C [cd]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1185.3	1184.3	1177.2	1178.7	1173.7	1169.7	1153.1	1133.3
5.0	1203.4	1199.8	1189.0	1187.5	1180.0	1173.7	1157.4	1142.8
7.5	1213.1	1209.1	1196.6	1196.3	1191.8	1175.5	1151.4	1151.4
10.0	1238.0	1239.0	1234.7	1226.7	1209.4	1188.8	1160.4	1149.9
12.5	1277.2	1270.1	1252.8	1242.3	1221.9	1199.6	1179.5	1157.2
15.0	1302.3	1291.7	1271.4	1257.3	1248.8	1224.4	1187.3	1160.4
17.5	1326.6	1318.6	1312.1	1296.5	1269.9	1238.8	1198.6	1176.7
20.0	1334.9	1353.2	1342.2	1324.4	1294.2	1271.6	1231.7	1190.8
22.5	1352.0	1361.3	1371.8	1369.8	1335.4	1296.0	1247.0	1203.4
25.0	1372.8	1382.4	1388.9	1400.2	1362.3	1318.3	1263.9	1217.2
27.5	1404.2	1407.7	1411.2	1428.3	1393.9	1345.7	1287.2	1233.2
30.0	1449.9	1444.6	1443.6	1450.6	1429.8	1377.1	1313.6	1255.8
32.5	1486.3	1481.0	1478.5	1482.8	1471.5	1411.7	1343.7	1283.4
35.0	1505.9	1524.0	1514.7	1511.7	1506.4	1443.6	1372.1	1308.3

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
37.5	1511.4	1554.8	1543.0	1538.0	1527.5	1466.7	1390.6	1324.4
40.0	1509.6	1572.4	1568.9	1564.4	1546.6	1492.1	1409.7	1338.9
42.5	1515.2	1580.4	1599.0	1587.2	1561.9	1509.4	1419.3	1347.5
45.0	1526.7	1574.2	1610.8	1602.3	1572.9	1524.0	1429.3	1354.7
47.5	1535.0	1571.2	1615.8	1618.6	1585.7	1540.8	1439.4	1363.3
50.0	1610.8	1588.5	1620.1	1633.7	1597.3	1552.6	1445.1	1369.1
52.5	1693.9	1687.4	1675.9	1682.1	1637.7	1590.0	1479.8	1404.0
55.0	1730.6	1765.2	1757.4	1743.9	1685.1	1621.4	1510.7	1427.8
57.5	1757.2	1806.2	1820.7	1813.4	1723.3	1625.1	1501.6	1410.0
60.0	1741.1	1782.3	1793.6	1782.6	1676.6	1541.0	1407.2	1312.1
62.5	1700.5	1738.6	1750.4	1746.7	1649.0	1483.8	1319.1	1225.4
65.0	1644.2	1676.4	1686.1	1676.6	1594.5	1423.5	1217.7	1122.3
67.5	1576.7	1599.3	1600.0	1581.2	1512.9	1349.5	1113.7	1008.3
70.0	1623.6	1603.0	1574.4	1519.2	1429.8	1278.2	1029.6	902.8
72.5	1693.7	1568.9	1469.2	1389.1	1302.8	1185.5	985.2	807.7
75.0	1290.0	1243.8	1153.1	1084.3	1018.6	949.5	841.6	690.2
77.5	510.9	512.9	503.1	496.4	484.6	457.9	438.1	407.5
80.0	137.6	130.7	114.5	103.6	98.1	93.2	88.6	84.0
82.5	33.9	34.7	35.3	34.1	33.4	31.8	30.7	29.0
85.0	14.8	15.7	16.1	15.9	15.7	15.0	14.3	13.2
87.5	6.3	6.5	6.6	6.5	6.4	5.8	5.2	4.1
90.0	3.9	4.0	4.0	3.9	3.7	3.1	2.4	1.4

G/C [cd]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1125.5	1127.8	1136.1	1140.6	1141.6	1137.8	1134.6	1124.8
5.0	1133.3	1126.5	1122.5	1119.2	1115.7	1106.2	1099.2	1087.9
7.5	1137.6	1117.7	1106.4	1106.4	1092.4	1072.5	1060.2	1047.2
10.0	1140.8	1107.9	1103.7	1101.9	1094.4	1078.1	1057.0	1027.9
12.5	1145.9	1120.0	1105.9	1095.1	1084.6	1065.0	1042.7	1020.3
15.0	1145.4	1116.2	1111.0	1101.4	1072.3	1046.9	1019.6	991.5
17.5	1151.9	1132.3	1109.5	1093.4	1071.3	1042.7	1006.8	961.3
20.0	1162.4	1143.1	1129.5	1091.4	1060.5	1026.1	984.4	929.2
22.5	1171.5	1148.6	1130.5	1107.4	1070.0	1013.5	958.1	898.1
25.0	1180.8	1152.6	1130.8	1101.7	1059.0	1006.0	925.2	873.5
27.5	1194.8	1161.9	1135.8	1101.9	1051.7	979.1	904.3	858.9
30.0	1212.9	1176.5	1145.1	1104.9	1046.2	955.8	887.5	849.1
32.5	1237.0	1197.1	1163.9	1118.0	1052.2	947.3	885.3	847.1
35.0	1256.8	1213.1	1177.0	1126.0	1044.9	942.2	885.8	848.8
37.5	1270.1	1225.2	1188.0	1135.1	1038.9	939.5	890.3	853.6
40.0	1281.9	1235.5	1196.3	1142.1	1037.9	944.0	898.3	860.9
42.5	1289.5	1241.0	1201.1	1145.4	1030.4	943.7	904.1	868.9
45.0	1297.0	1245.5	1203.4	1144.9	1020.6	938.5	901.3	868.9
47.5	1303.8	1250.8	1206.4	1140.1	1004.8	929.7	895.5	867.7
50.0	1307.5	1250.8	1202.8	1121.3	986.9	914.1	882.2	859.4
52.5	1344.7	1283.9	1231.0	1122.3	980.2	900.1	862.9	839.1
55.0	1364.0	1300.3	1244.3	1108.2	963.6	876.7	831.8	806.9
57.5	1342.2	1276.4	1222.2	1068.8	925.2	837.0	788.3	772.5
60.0	1249.8	1191.3	1142.6	998.5	870.2	783.3	748.2	740.9
62.5	1166.9	1113.7	1069.5	933.2	815.7	734.6	712.0	716.3
65.0	1069.5	1021.8	981.4	850.1	743.4	672.3	661.1	682.6
67.5	962.1	921.2	885.8	763.0	667.1	606.8	605.6	631.2
70.0	865.4	837.0	814.2	711.0	630.7	587.7	597.5	634.7
72.5	764.2	747.4	743.7	699.7	672.6	678.9	737.4	858.1
75.0	659.3	659.0	675.4	673.1	695.9	756.5	871.7	989.4
77.5	393.2	397.4	418.0	453.9	492.6	521.0	549.6	569.4
80.0	80.1	79.1	81.4	86.5	92.5	107.8	131.0	163.6

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
82.5	27.5	27.3	27.6	28.5	29.3	28.3	28.6	29.7
85.0	12.2	12.5	13.1	13.4	13.7	13.3	12.6	12.2
87.5	3.3	3.8	4.6	5.2	5.6	5.6	5.6	5.5
90.0	0.6	1.2	2.2	3.1	3.7	3.9	4.0	4.1

G/C [cd]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1124.5	1122.3	1120.2	1109.5	1086.4	1072.5	1067.5	1061.2
5.0	1084.8	1073.8	1068.3	1059.5	1042.7	1034.6	1024.3	1007.8
7.5	1045.9	1039.9	1036.9	1025.3	1003.3	986.4	980.7	959.8
10.0	1021.3	1003.3	993.5	973.9	955.5	934.5	926.4	901.8
12.5	1002.2	979.9	959.1	938.7	907.6	891.8	883.7	846.8
15.0	969.6	944.0	918.6	900.6	879.5	863.7	841.6	825.7
17.5	930.7	901.6	890.3	879.2	858.1	840.8	817.7	800.1
20.0	894.3	877.0	866.2	855.6	834.3	815.5	789.6	768.8
22.5	875.7	862.2	847.6	833.8	809.2	786.8	757.5	736.4
25.0	859.4	850.4	831.5	811.7	782.3	758.2	725.8	704.5
27.5	846.8	833.3	810.7	787.6	758.2	730.3	700.0	672.3
30.0	835.0	817.7	791.9	767.8	734.9	695.4	671.1	646.7
32.5	827.3	805.7	777.5	748.7	709.0	669.6	648.5	634.2
35.0	825.2	801.9	769.3	736.1	688.7	655.3	637.7	616.6
37.5	829.3	804.7	770.3	720.6	679.6	646.2	629.4	605.8
40.0	835.0	809.4	768.0	719.5	672.9	642.5	619.6	602.3
42.5	844.3	817.7	761.5	720.6	678.4	638.7	614.4	605.3
45.0	847.6	822.2	765.5	715.3	676.6	635.9	623.4	618.6
47.5	850.1	813.2	763.0	721.6	677.4	644.5	642.7	649.3
50.0	843.8	799.9	748.9	715.0	671.8	661.3	675.6	711.3
52.5	818.0	770.8	729.8	698.0	675.9	701.0	752.7	795.4
55.0	779.8	744.2	714.8	698.0	717.8	772.8	821.2	837.0
57.5	745.9	721.1	707.5	727.3	782.1	822.7	842.3	828.5
60.0	722.8	711.3	724.3	779.1	816.7	821.0	815.2	787.8
62.5	705.7	723.8	757.0	797.1	802.4	784.3	754.4	707.7
65.0	694.9	741.4	769.3	787.1	765.0	718.5	659.3	572.2
67.5	667.6	729.8	751.2	749.4	704.2	632.2	540.8	412.2
70.0	712.3	800.9	803.4	762.0	672.1	563.9	431.8	271.4
72.5	996.0	1048.2	1000.7	916.1	779.8	593.3	370.3	167.5
75.0	1027.1	994.0	913.6	816.0	671.6	460.7	206.1	83.6
77.5	560.4	532.0	484.6	421.8	295.0	139.6	63.8	49.7
80.0	179.1	153.6	114.7	90.0	63.6	37.3	28.3	25.8
82.5	32.7	30.8	26.5	21.9	18.2	16.0	14.9	14.8
85.0	11.6	10.8	9.4	8.6	7.9	7.5	7.2	7.2
87.5	5.4	5.2	4.8	4.5	4.4	4.3	4.2	4.3
90.0	4.1	4.0	4.0	3.9	3.7	3.7	3.7	3.7

G/C [cd]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1062.0	1066.0	1069.8	1078.8	1056.0	1044.7	1045.4	1042.9
5.0	1003.8	1004.5	1004.3	1011.3	983.9	974.6	975.1	965.1
7.5	940.5	932.2	933.5	940.2	913.1	898.1	890.5	886.5
10.0	891.5	887.8	887.5	885.3	843.8	819.5	810.4	785.8
12.5	838.3	825.5	818.2	825.0	798.4	779.8	755.2	746.4
15.0	814.7	794.6	790.3	773.3	744.4	706.5	674.4	670.8
17.5	784.3	762.7	739.1	742.4	712.3	673.6	651.5	648.2
20.0	748.7	729.1	706.5	711.5	682.9	647.7	631.9	629.7
22.5	715.0	701.0	679.9	681.9	647.5	611.1	606.6	600.5
25.0	680.4	660.8	644.2	648.0	624.6	593.8	591.5	588.5
27.5	646.2	631.7	624.4	633.7	599.8	581.5	576.7	578.5

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
30.0	626.7	609.3	604.6	611.8	587.5	574.7	578.7	584.2
32.5	606.3	591.8	593.5	606.3	588.5	582.0	586.5	595.8
35.0	592.0	584.7	595.8	612.6	599.3	594.3	598.5	608.3
37.5	588.7	586.7	599.0	621.4	611.1	603.1	609.6	624.9
40.0	589.7	589.7	607.8	634.9	626.9	622.1	633.2	649.5
42.5	595.3	602.1	627.2	658.5	658.8	660.3	674.1	692.7
45.0	618.4	635.7	666.6	712.0	721.1	722.3	732.6	746.2
47.5	665.3	695.4	735.1	785.8	791.1	779.8	775.0	772.0
50.0	744.4	772.3	799.6	835.0	822.5	792.6	775.3	759.2
52.5	809.7	812.4	818.0	837.8	809.9	770.5	741.6	706.2
55.0	820.7	797.4	790.3	801.4	761.7	687.2	593.8	473.8
57.5	793.1	761.0	740.1	709.5	587.2	428.1	305.0	239.3
60.0	741.4	680.6	591.8	467.5	304.8	208.9	175.0	164.9
62.5	622.1	501.1	348.7	226.7	164.9	146.1	140.3	137.8
65.0	437.1	281.9	175.0	135.1	125.0	120.0	119.3	121.5
67.5	256.6	146.6	113.2	105.7	104.7	105.2	108.0	110.7
70.0	142.6	99.9	91.9	89.6	90.6	91.1	94.4	98.2
72.5	91.9	79.8	77.1	77.6	78.6	79.1	80.3	81.6
75.0	66.3	63.5	64.0	65.3	65.8	65.5	66.5	68.8
77.5	46.4	47.7	49.2	50.5	50.2	49.2	50.5	53.7
80.0	26.4	27.6	29.4	31.9	33.7	32.0	32.2	35.6
82.5	15.4	16.1	17.6	19.5	20.9	18.8	17.7	17.5
85.0	7.4	7.5	8.0	8.3	8.9	8.5	8.3	8.2
87.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
90.0	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7

G/C [cd]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1044.4	1044.2	1041.4	1040.9	1033.6	1026.4	1038.9	1040.9
5.0	966.6	963.3	953.0	943.0	926.9	916.1	923.4	920.1
7.5	885.8	881.7	874.2	873.2	859.9	855.4	866.4	858.9
10.0	780.6	783.3	785.1	785.8	778.0	752.7	757.2	759.2
12.5	723.8	718.3	703.5	680.4	654.0	650.8	650.5	644.7
15.0	665.6	652.0	638.2	635.7	615.6	611.3	597.3	594.8
17.5	644.0	635.9	621.4	612.6	603.1	598.5	587.7	573.4
20.0	615.4	607.8	589.7	590.8	584.0	579.7	571.2	570.9
22.5	599.0	596.8	583.0	583.7	575.9	573.7	577.9	573.7
25.0	582.0	585.0	576.4	576.2	572.7	575.7	577.9	576.2
27.5	580.7	586.2	581.7	584.7	582.2	583.5	588.5	589.7
30.0	586.5	594.5	586.0	592.3	596.8	601.3	611.1	616.6
32.5	596.8	610.6	609.1	613.9	619.4	621.4	626.4	629.4
35.0	613.6	625.1	625.4	634.2	638.2	644.2	651.8	655.0
37.5	631.2	648.2	647.5	655.3	661.8	664.3	674.1	678.4
40.0	661.1	677.1	677.6	684.1	692.2	695.9	705.5	709.5
42.5	701.7	719.0	719.0	725.1	732.4	733.1	741.4	742.1
45.0	749.2	759.7	753.2	747.9	747.9	738.9	741.9	738.6
47.5	761.5	760.5	742.4	727.8	720.1	704.0	696.7	682.6
50.0	736.4	721.8	687.2	650.0	614.4	561.9	524.0	487.1
52.5	644.2	570.4	482.8	412.0	361.5	318.1	290.7	269.6
55.0	365.0	298.0	257.1	233.2	220.7	210.4	204.4	197.3
57.5	207.1	193.8	184.5	179.8	178.5	179.3	184.5	188.0
60.0	159.9	157.9	158.2	164.2	175.5	189.1	205.4	217.7
62.5	137.8	141.6	150.1	164.4	180.3	195.1	211.6	225.2
65.0	125.0	132.1	144.1	159.9	176.7	191.6	206.1	216.9
67.5	114.5	120.8	130.8	147.4	163.4	178.3	190.3	195.1
70.0	100.7	105.7	114.2	130.1	146.4	156.7	162.9	163.2
72.5	85.4	94.7	104.2	116.0	124.0	129.0	134.3	136.1

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
75.0	74.6	84.1	92.1	99.9	108.7	115.5	121.8	123.8
77.5	59.3	67.0	75.8	86.1	96.4	100.7	101.4	100.7
80.0	39.7	46.8	57.2	66.8	72.6	75.0	75.8	75.2
82.5	19.1	23.4	30.3	37.2	40.6	43.5	45.2	45.9
85.0	8.7	10.8	13.5	16.6	17.9	18.2	18.0	17.3
87.5	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1
90.0	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.4

G/C [cd]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1021.8	1015.6	1028.9	1070.8	1092.6	1062.0	1016.3	1001.2
5.0	895.8	883.5	888.5	927.2	951.0	923.4	884.7	874.0
7.5	829.5	815.0	818.5	858.1	880.2	848.6	809.2	805.4
10.0	736.4	724.8	729.1	761.0	764.0	748.9	713.3	711.3
12.5	611.6	607.6	602.3	648.0	660.5	627.7	586.7	584.7
15.0	581.7	589.7	584.0	594.8	606.6	588.0	567.7	576.4
17.5	562.1	558.9	571.7	591.5	594.5	577.7	561.1	549.1
20.0	558.6	562.4	576.2	592.3	606.1	582.7	565.6	559.1
22.5	557.6	558.6	568.9	586.5	597.8	575.4	550.1	550.6
25.0	565.4	568.7	582.5	600.5	614.9	589.5	562.6	559.6
27.5	579.0	582.7	596.8	616.9	630.7	603.3	575.2	573.2
30.0	606.3	608.3	622.9	644.7	658.8	630.9	602.8	599.3
32.5	619.9	623.1	639.0	661.1	675.1	646.7	618.4	612.3
35.0	646.5	651.8	666.3	688.7	703.5	673.9	644.2	640.0
37.5	668.3	672.6	688.9	712.8	729.8	695.7	664.6	660.8
40.0	698.2	703.7	722.6	746.7	762.7	727.6	694.7	688.7
42.5	728.1	729.8	746.9	771.5	788.3	751.7	717.8	714.8
45.0	718.5	716.3	729.1	751.2	766.0	730.6	700.5	700.2
47.5	654.3	642.0	643.0	658.5	667.6	639.0	619.9	628.4
50.0	446.1	422.0	414.3	419.5	423.8	409.5	401.7	414.8
52.5	251.8	244.3	243.3	248.6	252.8	246.3	242.0	245.3
55.0	192.1	189.8	191.8	196.3	198.6	193.8	188.8	188.8
57.5	192.8	196.8	203.4	213.2	218.4	211.6	200.6	193.8
60.0	226.0	225.0	229.2	240.0	246.5	238.8	226.7	218.9
62.5	230.0	224.5	224.5	231.7	238.3	232.5	224.7	221.4
65.0	215.2	205.6	199.3	202.1	206.6	201.6	198.3	201.6
67.5	189.3	176.7	169.5	171.2	174.5	170.2	168.2	173.5
70.0	155.9	146.6	142.4	145.6	149.1	144.9	142.1	145.4
72.5	133.8	129.5	128.0	132.8	137.6	133.6	130.1	129.8
75.0	121.8	118.3	118.3	124.0	129.5	125.8	121.0	118.8
77.5	99.2	96.7	96.2	101.9	108.0	103.7	98.9	96.7
80.0	73.2	70.5	69.3	72.6	78.4	75.1	71.6	70.0
82.5	43.7	41.2	39.6	40.7	43.7	42.6	41.2	41.2
85.0	16.0	14.7	14.0	14.0	14.6	14.5	14.2	14.3
87.5	4.1	4.1	4.0	3.9	3.9	4.0	4.1	4.1
90.0	3.4	3.3	3.3	3.3	3.2	3.2	3.3	3.3

G/C [cd]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1017.1	1033.1	1029.1	1029.9	1027.6	1042.4	1033.6	1041.9
5.0	894.0	910.6	906.3	905.1	911.1	927.4	928.9	945.8
7.5	830.5	855.9	852.1	852.9	852.1	863.7	858.4	870.2
10.0	730.1	739.9	737.6	741.1	762.2	774.5	754.2	755.7
12.5	586.5	604.8	617.9	618.6	626.4	660.0	692.7	703.2
15.0	573.9	581.0	586.7	602.8	599.8	614.1	617.9	642.7
17.5	565.1	565.6	569.4	587.0	593.3	594.3	595.5	597.8
20.0	565.9	570.2	571.7	581.5	575.4	584.7	594.0	591.3

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
22.5	562.9	572.4	576.9	577.2	580.5	584.0	579.7	590.8
25.0	571.4	575.9	576.9	578.5	574.9	580.7	584.0	575.4
27.5	583.5	589.0	587.2	585.5	584.7	590.3	591.8	584.5
30.0	612.3	617.1	611.3	605.3	602.8	602.1	598.8	593.5
32.5	625.1	630.4	627.4	626.4	626.2	623.9	622.9	610.8
35.0	652.3	657.0	653.8	651.0	645.0	644.7	639.2	625.4
37.5	675.4	679.6	675.6	671.8	671.3	671.3	666.8	653.8
40.0	703.7	711.8	707.7	705.5	706.0	704.7	701.7	685.2
42.5	732.6	741.6	740.1	739.9	742.4	743.1	743.7	729.1
45.0	722.3	737.1	739.6	742.4	754.4	764.5	772.5	762.2
47.5	656.8	679.9	693.2	708.5	727.6	741.9	757.2	756.7
50.0	446.9	481.3	516.2	562.4	614.6	661.6	700.0	716.5
52.5	258.3	271.7	290.2	316.8	353.5	407.0	478.5	556.9
55.0	192.8	197.1	202.6	211.4	222.4	235.0	256.3	292.2
57.5	190.1	187.8	184.0	180.8	179.5	181.3	185.3	190.8
60.0	213.9	210.9	201.1	189.6	175.7	166.7	161.4	160.4
62.5	222.9	221.7	210.9	197.8	180.0	166.5	153.9	145.4
65.0	211.6	216.2	210.6	199.1	181.0	164.4	149.1	136.1
67.5	184.3	193.8	195.3	185.8	170.2	154.7	138.8	124.8
70.0	153.9	163.2	167.2	164.2	153.1	138.1	122.5	109.5
72.5	133.1	136.6	136.8	134.3	130.1	123.0	111.0	97.9
75.0	121.0	123.3	123.0	119.5	112.5	104.9	97.9	88.6
77.5	98.4	100.7	101.7	102.7	99.7	91.6	82.1	73.6
80.0	71.8	72.9	73.7	75.2	75.5	72.5	65.0	56.2
82.5	43.4	44.4	43.9	42.7	41.7	39.1	33.6	27.9
85.0	15.5	16.6	18.0	18.6	18.5	17.9	15.6	13.2
87.5	4.1	4.1	4.2	4.2	4.2	4.1	4.2	4.2
90.0	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5

G/C [cd]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1036.4	1049.7	1034.4	1043.7	1044.9	1064.8	1069.0	1066.0
5.0	942.0	957.3	953.8	959.3	972.1	995.0	1004.5	1006.5
7.5	866.2	884.2	873.7	882.2	885.0	900.3	905.6	909.9
10.0	751.2	779.8	782.6	793.4	812.4	862.2	878.7	879.2
12.5	715.3	738.9	737.9	764.0	770.8	784.8	794.9	823.0
15.0	644.5	652.8	641.2	663.3	693.9	729.3	765.7	795.4
17.5	598.3	627.2	636.4	655.0	684.1	679.9	689.4	723.3
20.0	589.0	615.4	608.8	623.6	620.4	657.5	669.3	721.3
22.5	596.8	591.5	591.5	597.5	622.4	628.7	651.0	659.8
25.0	581.0	591.3	583.5	591.8	602.8	612.3	612.6	656.3
27.5	579.7	584.0	578.2	576.2	588.0	597.0	605.8	624.1
30.0	589.5	587.7	583.2	580.5	578.7	585.5	594.8	603.6
32.5	602.8	600.8	587.5	590.0	582.2	584.2	582.0	599.8
35.0	619.6	617.4	602.1	600.3	594.3	588.2	586.7	589.0
37.5	639.2	633.9	613.6	608.8	603.3	594.3	592.0	591.5
40.0	673.6	662.1	639.5	626.9	617.4	606.3	598.8	598.5
42.5	720.3	712.0	687.4	670.3	653.3	634.9	619.1	611.3
45.0	761.7	758.7	745.4	734.9	720.6	694.2	667.1	643.0
47.5	771.3	781.1	779.1	781.1	777.8	763.5	741.6	713.8
50.0	743.9	764.7	776.5	792.6	804.9	807.4	807.4	797.4
52.5	645.2	704.7	736.9	763.7	787.6	801.1	815.0	827.5
55.0	369.8	479.5	588.5	673.1	730.6	763.5	791.6	817.0
57.5	205.4	236.0	305.8	434.8	574.9	669.3	735.1	778.0
60.0	162.2	166.5	175.2	209.9	313.8	462.0	596.5	689.7
62.5	140.6	139.8	141.3	146.1	163.7	228.7	370.8	526.7
65.0	128.8	124.8	122.5	122.0	126.5	135.6	181.5	313.1

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
67.5	117.0	113.0	110.0	107.2	106.7	108.2	118.5	159.7
70.0	103.2	100.4	97.7	95.2	93.1	88.9	91.1	102.9
72.5	89.1	86.6	82.9	80.1	79.6	77.1	76.8	79.6
75.0	76.3	70.5	68.8	67.3	66.8	64.8	63.8	63.3
77.5	63.5	55.7	52.2	51.2	51.5	50.2	48.0	45.2
80.0	46.6	39.3	33.2	31.2	30.9	28.4	26.7	25.3
82.5	22.0	18.8	18.0	17.6	17.8	16.6	15.4	14.3
85.0	10.5	8.5	8.0	8.0	7.9	7.7	7.5	7.1
87.5	4.2	4.1	4.1	4.1	4.1	4.0	4.0	4.0
90.0	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4

G/C [cd]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1051.7	1053.0	1061.0	1073.8	1084.6	1098.4	1101.2	1100.9
5.0	996.0	999.7	1015.6	1027.1	1034.6	1052.0	1057.5	1059.2
7.5	912.9	920.4	948.5	971.6	992.2	1015.8	1026.9	1031.9
10.0	874.7	882.5	897.6	905.6	914.4	951.0	977.9	991.2
12.5	817.5	823.2	856.9	875.7	884.7	915.1	932.5	948.3
15.0	794.1	797.1	806.4	843.3	853.6	877.7	898.6	919.9
17.5	752.9	773.0	785.3	819.2	829.0	850.1	864.2	883.5
20.0	714.5	720.1	747.7	795.6	813.2	833.3	841.8	857.9
22.5	698.2	700.2	718.0	736.1	786.6	814.2	827.0	837.0
25.0	650.5	661.3	703.5	724.6	747.2	791.1	811.7	826.3
27.5	629.7	655.3	657.3	708.3	737.6	752.4	791.6	812.9
30.0	622.4	615.4	630.2	689.4	707.0	735.6	776.0	800.4
32.5	597.8	604.3	632.2	648.7	684.1	720.6	761.7	789.1
35.0	588.0	601.8	617.6	623.4	664.1	710.8	754.9	784.6
37.5	589.2	592.3	605.3	623.4	662.3	702.5	750.2	783.3
40.0	591.8	588.5	599.3	623.1	656.3	698.7	741.9	784.8
42.5	603.1	598.5	607.1	627.4	655.0	693.7	739.4	785.3
45.0	624.1	613.3	614.1	632.7	655.5	693.4	736.4	787.3
47.5	670.3	642.5	630.4	644.7	660.5	697.2	731.3	786.1
50.0	760.7	711.5	667.1	652.5	661.6	691.9	728.6	768.5
52.5	823.5	796.6	747.2	687.4	658.5	664.8	696.7	730.8
55.0	833.3	835.3	820.5	772.5	700.0	666.3	681.4	702.0
57.5	802.9	824.0	835.8	824.7	773.3	705.0	679.1	689.2
60.0	747.2	782.6	810.4	824.7	815.0	768.3	702.0	685.4
62.5	635.4	706.2	754.2	791.4	808.7	803.2	748.9	703.5
65.0	466.2	583.2	668.3	736.9	782.3	808.7	789.1	737.4
67.5	292.2	445.6	572.7	678.9	760.0	816.0	827.5	784.3
70.0	161.4	326.9	501.6	652.0	779.3	886.0	947.5	937.2
72.5	95.2	207.9	467.5	712.3	884.0	1014.8	1101.4	1158.4
75.0	65.8	83.9	210.4	461.2	664.1	811.2	914.1	990.2
77.5	44.2	48.7	64.8	130.1	249.3	332.2	385.1	441.1
80.0	24.5	24.0	26.4	34.1	50.8	64.3	75.1	102.8
82.5	14.2	14.0	14.1	14.7	16.3	19.1	22.8	25.7
85.0	6.9	6.7	6.7	6.9	7.2	7.5	8.0	8.9
87.5	3.9	3.8	3.8	3.7	3.7	3.7	3.8	3.9
90.0	3.3	3.3	3.3	3.4	3.3	3.3	3.3	3.3

G/C [cd]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
0.0	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5	1110.5	1118.0	1119.7	1132.0	1131.5	1129.0	1126.0	1125.3
5.0	1068.5	1082.8	1090.1	1102.7	1106.4	1111.0	1116.5	1122.5
7.5	1044.4	1057.5	1060.2	1073.8	1091.6	1100.4	1100.7	1109.5
10.0	1018.3	1038.2	1056.7	1075.1	1084.1	1093.1	1096.1	1110.0
12.5	997.7	1024.3	1034.4	1054.2	1068.0	1080.8	1097.4	1112.5

Intensity [cd] PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
15.0	947.0	983.4	1008.8	1032.4	1058.7	1079.1	1088.9	1104.9
17.5	919.1	952.8	986.7	1029.4	1052.0	1072.5	1086.9	1123.8
20.0	888.5	926.7	963.8	1011.0	1042.4	1074.6	1105.7	1128.8
22.5	863.2	901.3	945.0	996.7	1045.9	1080.3	1107.4	1135.1
25.0	848.6	880.7	924.4	980.4	1035.6	1077.1	1109.7	1141.1
27.5	837.5	865.2	901.6	966.3	1030.9	1079.3	1116.0	1150.6
30.0	829.0	855.4	885.3	953.0	1027.9	1083.8	1126.3	1165.4
32.5	820.2	849.1	878.0	942.5	1027.9	1092.4	1138.3	1183.8
35.0	816.7	850.4	877.2	935.2	1027.9	1101.2	1153.4	1202.6
37.5	818.2	852.4	877.7	928.2	1017.8	1102.7	1157.7	1209.6
40.0	821.2	856.4	881.2	926.4	1011.8	1106.4	1163.7	1216.9
42.5	822.2	857.6	881.2	919.9	1003.0	1105.7	1165.4	1220.2
45.0	822.5	853.9	877.5	914.1	993.7	1106.2	1169.5	1226.7
47.5	822.5	849.6	872.4	907.1	979.4	1100.7	1167.7	1227.5
50.0	819.0	845.8	864.7	899.3	967.6	1094.6	1163.4	1224.2
52.5	788.6	815.0	836.3	876.5	950.5	1096.4	1182.3	1250.3
55.0	759.5	784.8	808.9	864.2	945.0	1110.5	1219.7	1288.7
57.5	722.3	754.2	769.5	822.0	908.3	1073.3	1198.3	1263.6
60.0	708.5	731.1	736.9	773.5	846.3	987.2	1107.7	1164.2
62.5	699.0	713.8	710.5	733.1	794.9	917.6	1035.9	1087.9
65.0	696.5	689.7	674.6	682.9	735.9	850.4	969.6	1019.3
67.5	714.5	673.6	643.7	642.0	685.2	784.6	898.6	940.7
70.0	821.5	710.5	641.5	614.6	637.2	710.8	805.7	834.3
72.5	1122.8	965.8	796.1	707.5	677.9	694.7	739.6	743.1
75.0	1029.1	996.7	857.4	745.9	685.4	660.0	662.6	651.0
77.5	482.0	505.1	478.5	450.7	421.5	399.7	388.4	377.9
80.0	130.1	123.1	91.2	71.0	62.7	59.3	59.5	59.3
82.5	26.3	26.3	26.1	25.5	25.8	25.3	26.5	26.9
85.0	9.8	10.4	11.0	11.5	11.7	11.7	11.6	11.8
87.5	4.1	4.2	4.2	4.3	4.3	4.1	3.6	3.0
90.0	3.4	3.3	3.3	3.2	3.1	2.6	2.1	1.2

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007		
Sample Number:	1170-QL16-S28		
Report Number:			
Model:	HYDROCITY 02 24+24 LED STREET OPTIC 802007		
Flux:	3829 lm	Flux 2	0.00 lm
Date:	15/11/2016 11.21.31		
Manufacturer:	PUK ITALIA		

Electrical protocol PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC 802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

[deg]	U [V]	I [A]	P [W]	PF
0.0	230.05	0.266	57.2	0.9348
2.5	230.05	0.266	57.2	0.9348
5.0	230.05	0.266	57.2	0.9348
7.5	230.05	0.266	57.2	0.9348
10.0	230.05	0.266	57.2	0.9348
12.5	230.05	0.266	57.2	0.9348
15.0	230.05	0.266	57.2	0.9348
17.5	230.05	0.266	57.2	0.9348
20.0	230.05	0.266	57.2	0.9348
22.5	230.05	0.266	57.2	0.9347
25.0	230.05	0.266	57.2	0.9347
27.5	230.05	0.266	57.2	0.9348
30.0	230.05	0.266	57.2	0.9347
32.5	230.05	0.266	57.2	0.9347
35.0	230.05	0.266	57.2	0.9347
37.5	230.05	0.266	57.2	0.9348
40.0	230.05	0.266	57.2	0.9347
42.5	230.05	0.266	57.2	0.9347
45.0	230.05	0.266	57.2	0.9347
47.5	230.05	0.266	57.2	0.9347
50.0	230.05	0.266	57.2	0.9347
52.5	230.05	0.266	57.2	0.9347
55.0	230.05	0.266	57.2	0.9347
57.5	230.05	0.266	57.2	0.9347
60.0	230.05	0.266	57.2	0.9347
62.5	230.05	0.266	57.2	0.9347
65.0	230.05	0.266	57.2	0.9347
67.5	230.05	0.266	57.2	0.9347
70.0	230.05	0.266	57.2	0.9347
72.5	230.05	0.266	57.2	0.9347
75.0	230.05	0.266	57.2	0.9347
77.5	230.05	0.266	57.2	0.9347
80.0	230.05	0.266	57.2	0.9347
82.5	230.05	0.266	57.2	0.9347

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Electrical protocol PUK ITALIA 1170-QL16-S28 HYDROCITY 02 24+24 LED STREET OPTIC
802007 / C0 to C357.5 in 2.5 - Gamma 0 to 90

[deg]	U [V]	I [A]	P [W]	PF
85.0	230.05	0.266	57.2	0.9347
87.5	230.05	0.266	57.2	0.9347
90.0	230.05	0.266	57.2	0.9347