

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006		
Sample Number:	1170-QL16-S25		
Report Number:			
Model:	HYDROCITY 02 24+12 LED 24 STREET OPTIC 12 PEDESTRIAN 802006		
Flux:	3557 lm	Flux 2	0.00 lm
Date:	14/11/2016 17.46.57		
Manufacturer:	PUK ITALIA		

Protocol

LiTG-class: A30
UTE-class: 1.00 E
IES-class: 41 - 77 - 97 - 100 - 100
TM5-class: BZ10/0.75/BZ4

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	86.8°	146.9°
Half peak side angle (left)	-50.7°	-74.2°
Half peak side angle (right)	36.1°	72.8°
One tenth peak divergence	139.3°	158.7°
Tenth peak side angle (left)	-69.1°	-79.5°
Tenth peak side angle (right)	70.2°	79.2°

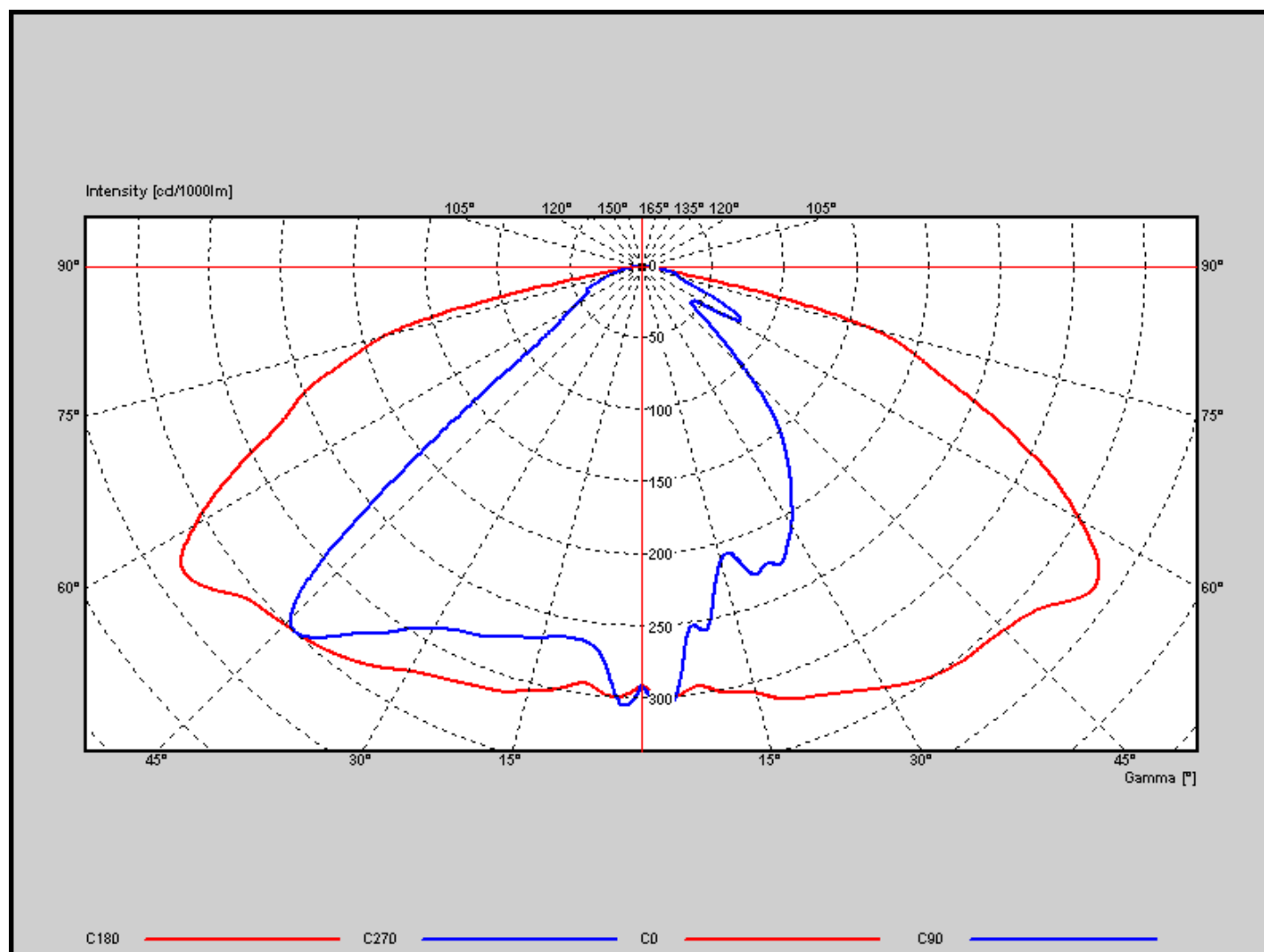
C-planes:	0.0°	2.5°	5.0°	7.5°	10.0°	12.5°	15.0°	17.5°	20.0°	22.5°
	25.0°	27.5°	30.0°	32.5°	35.0°	37.5°	40.0°	42.5°	45.0°	47.5°
	50.0°	52.5°	55.0°	57.5°	60.0°	62.5°	65.0°	67.5°	70.0°	72.5°
	75.0°	77.5°	80.0°	82.5°	85.0°	87.5°	90.0°	92.5°	95.0°	97.5°
	100.0°	102.5°	105.0°	107.5°	110.0°	112.5°	115.0°	117.5°	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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File Name:	PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006		
Sample Number:	1170-QL16-S25		
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Model:	HYDROCITY 02 24+12 LED 24 STREET OPTIC 12 PEDESTRIAN 802006		
Flux:	3557 lm	Flux 2	0.00 lm
Date:	14/11/2016 17.46.57		
Manufacturer:	PUK ITALIA		

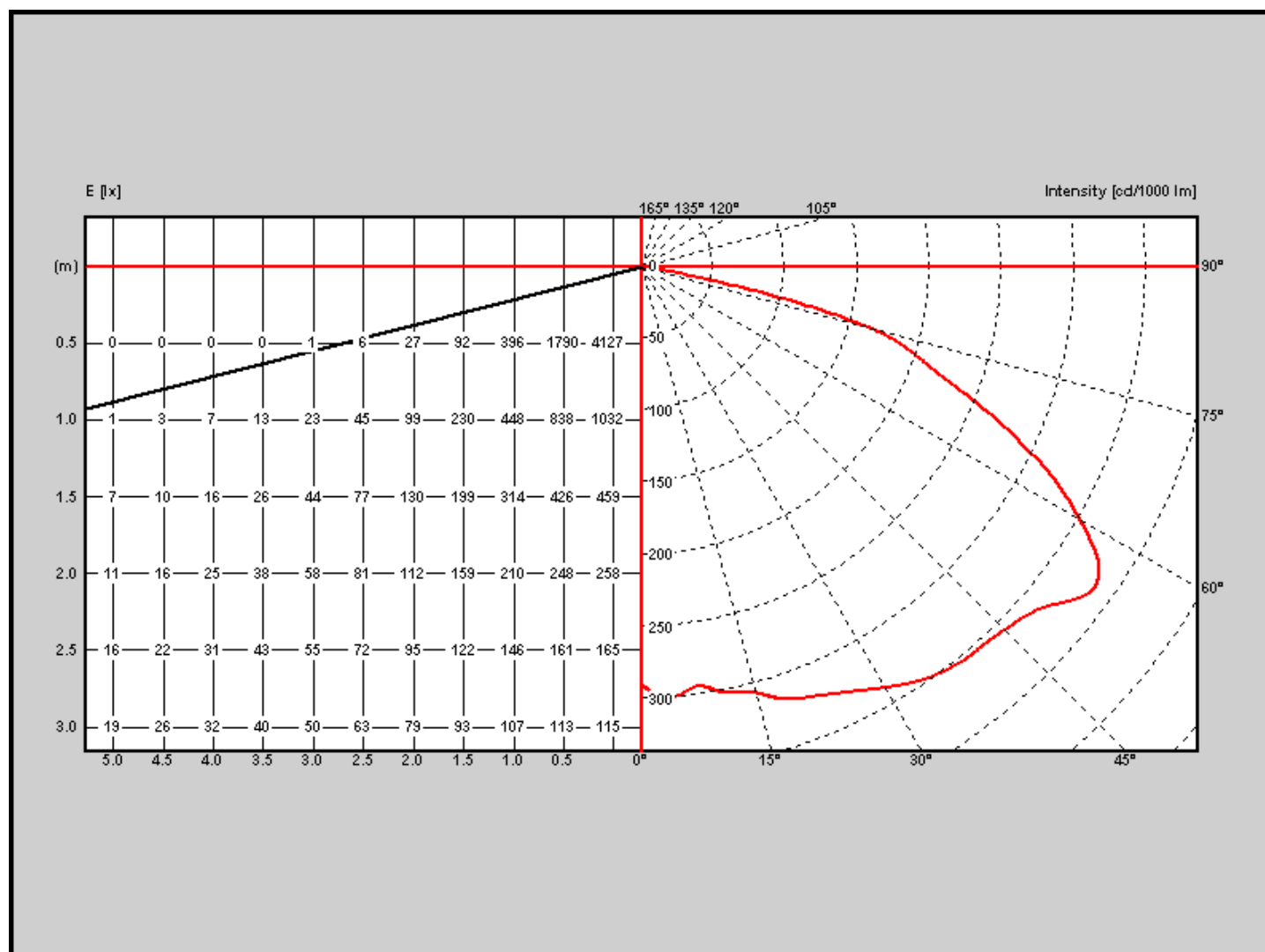
Polar diagram PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / C0 to C357.5 in 2.5 - Gamma 0 to 90



PHOTOMETRIC RESULTS

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Illuminance and Intensity diagram PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / C0 to C357.5 in 2.5 - Gamma 0 to 90



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Zonal flux PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	290.09	290.09	290.09	0	0	0.00	0.00
2.5	278.39	304.29	290.86	6	6	0.17	0.17
5.0	254.25	303.37	280.25	18	24	0.51	0.69
7.5	230.18	304.50	269.20	29	54	0.82	1.51
10.0	235.40	305.35	265.06	40	93	1.11	2.62
12.5	205.05	309.30	259.88	50	143	1.40	4.02
15.0	191.43	315.65	256.47	60	203	1.68	5.71
17.5	184.86	323.70	254.94	70	273	1.96	7.67
20.0	204.48	331.96	256.64	80	353	2.25	9.92
22.5	201.17	339.44	257.74	91	444	2.56	12.48
25.0	203.92	344.17	258.88	101	545	2.85	15.33
27.5	198.06	351.02	259.23	112	657	3.14	18.47
30.0	189.10	360.41	259.21	122	779	3.42	21.89
32.5	176.53	365.91	258.99	131	910	3.68	25.57
35.0	164.11	373.75	259.78	141	1050	3.95	29.52
37.5	150.06	380.31	260.22	150	1200	4.21	33.74
40.0	136.44	386.17	261.12	159	1359	4.47	38.21
42.5	118.51	389.13	262.26	168	1527	4.73	42.94
45.0	94.94	392.31	261.61	177	1704	4.97	47.91
47.5	72.28	394.43	256.02	182	1886	5.13	53.03
50.0	55.69	397.67	242.08	183	2069	5.13	58.16
52.5	42.70	408.69	222.62	177	2246	4.97	63.13
55.0	39.67	434.52	205.12	168	2414	4.73	67.86
57.5	36.28	447.72	189.42	160	2574	4.50	72.36
60.0	33.10	446.31	174.94	152	2725	4.27	76.63
62.5	29.36	432.40	159.78	143	2869	4.02	80.65
65.0	25.13	401.42	142.82	132	3001	3.72	84.37
67.5	21.46	373.68	127.49	121	3121	3.39	87.76
70.0	18.42	376.57	117.51	111	3233	3.13	90.89
72.5	14.19	478.71	114.58	107	3340	3.01	93.90
75.0	10.23	452.31	95.92	99	3438	2.77	96.67

Zonal flux PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA
802006 / 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	6.71	223.26	50.39	69	3508	1.95	98.62
80.0	4.09	66.49	14.94	31	3539	0.88	99.50
82.5	1.92	13.63	6.61	10	3549	0.29	99.79
85.0	0.97	4.72	2.74	5	3554	0.13	99.92
87.5	0.35	1.92	1.21	2	3556	0.05	99.97
90.0	0.12	1.55	0.96	1	3557	0.03	100.00

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Flux:	3557 lm	Flux 2	0.00 lm
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Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	298.15	296.81	294.76	290.95	289.04	288.48	288.97	291.80
5.0	298.08	293.35	288.97	287.70	286.93	283.89	284.95	287.77
7.5	293.28	291.80	291.66	290.31	287.28	288.27	289.82	293.49
10.0	298.50	293.56	294.27	295.75	298.64	300.13	298.01	294.55
12.5	302.88	303.23	296.74	297.94	302.17	302.81	287.35	277.54
15.0	306.13	305.56	307.47	309.66	305.14	284.74	281.56	313.54
17.5	313.96	310.93	310.57	312.20	298.15	282.97	321.80	323.70
20.0	318.69	322.36	324.41	314.88	283.12	315.02	330.12	321.44
22.5	322.01	326.81	329.56	304.86	296.39	339.44	330.55	313.75
25.0	326.24	331.82	332.31	290.24	334.78	344.10	331.54	301.04
27.5	331.25	338.10	334.99	299.70	351.02	347.70	322.85	312.76
30.0	336.97	344.52	324.20	324.69	360.41	350.45	320.17	327.94
32.5	342.90	351.51	315.37	343.32	364.08	346.85	334.50	338.10
35.0	347.56	356.52	318.41	356.95	366.40	349.04	340.78	347.21
37.5	350.59	357.30	322.01	364.29	366.26	351.02	348.19	350.10
40.0	352.71	358.15	328.01	368.17	365.42	353.35	359.91	350.10
42.5	353.42	358.78	336.12	370.85	363.23	359.70	368.03	345.44
45.0	355.89	360.90	348.48	372.05	362.73	365.06	369.58	340.99
47.5	359.28	360.48	357.09	374.31	365.56	373.25	369.02	337.61
50.0	366.55	364.43	366.26	380.80	374.66	385.60	374.59	346.99
52.5	378.69	377.06	381.37	393.93	392.52	408.69	396.90	376.78
55.0	384.47	386.38	393.44	408.12	415.67	434.52	423.51	404.45
57.5	374.31	379.18	385.18	404.73	424.57	445.04	434.59	414.76
60.0	350.52	357.30	361.61	388.22	419.91	437.98	425.56	404.24
62.5	324.05	332.03	338.52	375.16	413.34	425.98	409.11	384.62
65.0	290.53	298.22	308.46	354.62	390.26	394.92	379.04	352.08
67.5	255.09	262.79	279.52	334.50	368.17	368.95	353.91	324.34
70.0	219.94	228.27	256.36	316.22	343.04	343.04	331.25	304.36
72.5	195.66	202.58	239.07	274.43	282.48	274.79	268.86	253.96
75.0	161.14	165.17	176.81	182.81	182.39	172.72	170.04	159.66
77.5	89.78	89.43	80.96	74.61	70.73	64.44	60.70	52.44
80.0	13.62	13.83	13.06	13.27	12.85	12.07	12.07	12.21
82.5	6.25	6.26	5.89	5.84	5.61	5.32	5.11	4.75
85.0	2.57	2.57	2.63	2.72	2.66	2.56	2.42	2.23
87.5	0.56	0.75	1.04	1.20	1.33	1.33	1.28	1.21
90.0	0.12	0.33	0.66	0.86	1.04	1.09	1.09	1.04

G/C [cd/klm]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	293.63	293.35	290.46	288.27	284.46	284.46	285.94	284.24
5.0	289.68	290.53	288.97	290.39	290.88	289.82	285.80	281.77
7.5	295.68	295.89	292.86	269.28	257.85	260.10	264.55	277.82
10.0	270.62	268.15	270.83	282.76	289.11	287.21	282.41	277.61
12.5	284.95	306.20	300.48	287.00	282.27	274.15	252.13	244.01
15.0	310.71	303.66	295.26	276.27	261.16	258.41	263.49	272.32
17.5	306.62	294.97	273.37	274.22	274.79	281.00	280.01	261.52
20.0	299.70	275.99	284.88	290.03	288.13	278.46	267.16	257.85
22.5	290.67	296.60	294.48	291.44	285.66	273.30	258.90	241.47
25.0	309.73	312.83	301.04	288.13	278.53	269.00	242.25	232.65
27.5	317.84	309.94	295.40	291.51	275.42	250.79	234.48	228.76
30.0	330.34	307.96	298.01	284.60	261.59	242.60	236.53	230.11
32.5	325.61	312.76	296.67	273.52	252.13	246.91	240.91	234.84
35.0	326.38	309.02	293.07	270.27	257.35	251.35	242.18	236.32
37.5	327.37	302.17	287.84	270.06	261.38	254.25	242.60	235.26
40.0	323.77	300.76	284.53	272.88	265.82	255.02	246.06	237.16
42.5	319.11	299.35	285.59	278.53	271.75	260.03	253.89	241.40
45.0	317.21	300.34	293.35	292.22	286.36	273.16	259.05	233.99
47.5	320.60	310.29	313.54	311.07	297.73	277.26	248.46	211.68
50.0	339.44	334.43	328.78	316.71	295.75	267.52	221.14	186.63
52.5	364.22	348.05	337.47	314.88	284.32	238.44	189.94	159.45
55.0	380.31	361.75	345.65	314.38	266.39	198.91	147.17	102.98
57.5	391.25	366.12	344.52	301.96	213.17	135.52	83.64	58.66
60.0	378.33	351.44	320.10	249.80	143.71	84.98	58.44	47.72
62.5	355.61	324.90	283.54	179.85	95.29	63.03	49.34	39.60
65.0	326.24	292.86	230.95	117.59	66.70	50.26	40.02	33.88
67.5	296.88	253.54	162.20	76.23	48.77	39.81	34.23	29.29
70.0	277.47	215.42	104.25	50.47	36.85	30.85	27.74	24.63
72.5	229.40	154.86	67.06	33.17	22.87	18.56	16.66	15.46
75.0	140.60	81.60	35.86	19.06	13.76	11.79	10.73	10.45
77.5	47.36	30.28	15.11	9.46	7.55	7.27	6.71	6.85
80.0	12.07	9.81	7.13	5.01	4.31	4.16	4.09	4.38
82.5	4.08	3.35	2.68	2.29	2.00	1.92	1.93	2.10
85.0	1.96	1.64	1.31	1.12	1.03	0.98	0.97	1.01
87.5	1.08	0.92	0.79	0.70	0.64	0.61	0.60	0.61
90.0	0.97	0.85	0.76	0.68	0.64	0.60	0.57	0.56

G/C [cd/klm]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	286.50	282.34	279.59	287.70	291.80	290.74	292.08	292.29
5.0	284.24	273.80	257.35	257.42	262.08	261.94	263.00	263.56
7.5	274.57	269.00	264.97	271.40	275.07	273.30	270.97	267.45
10.0	272.81	259.96	241.68	235.40	239.56	246.20	252.34	246.13
12.5	253.40	245.28	249.02	259.61	269.56	268.15	258.06	240.48
15.0	278.32	260.46	243.52	238.29	246.69	240.62	228.06	227.78
17.5	261.30	243.94	234.76	231.31	237.24	226.37	212.74	212.67
20.0	252.34	233.49	212.88	216.41	222.84	214.30	212.74	211.19
22.5	236.04	220.51	210.62	214.15	222.69	222.27	217.40	218.60
25.0	222.55	220.22	214.51	216.84	227.85	224.25	222.77	218.11
27.5	227.99	226.65	218.11	219.09	222.27	223.12	219.52	216.48
30.0	233.56	223.19	218.25	215.78	222.98	220.37	215.85	211.68
32.5	229.12	222.77	213.52	211.90	215.92	211.90	205.90	199.90
35.0	228.91	218.60	208.08	204.55	204.20	197.71	189.52	185.71
37.5	226.58	213.87	199.90	192.48	189.66	184.01	178.51	175.33
40.0	227.21	208.15	190.16	182.39	178.23	172.37	166.02	162.91

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	221.21	197.28	178.86	169.33	164.46	159.17	153.73	150.20
45.0	204.91	182.53	162.56	153.87	148.93	144.49	138.63	134.39
47.5	184.44	163.26	145.83	137.43	131.71	125.22	115.62	108.42
50.0	161.99	143.57	125.36	111.59	101.22	91.55	82.30	77.22
52.5	131.43	103.55	82.87	72.98	67.62	63.31	59.93	58.02
55.0	74.26	60.35	54.99	53.79	52.37	50.68	48.49	46.02
57.5	50.12	47.29	44.89	44.33	41.57	38.54	36.92	36.56
60.0	41.64	37.97	34.23	33.53	33.39	33.25	33.32	33.39
62.5	32.19	30.07	29.36	29.72	29.72	29.79	29.93	30.21
65.0	28.73	26.19	25.13	25.62	26.05	26.47	26.89	27.53
67.5	24.35	22.02	21.46	21.95	22.52	23.15	24.07	25.13
70.0	21.53	18.42	18.42	18.92	19.55	20.12	21.03	22.30
72.5	14.19	14.19	14.61	15.53	16.31	16.94	17.72	18.56
75.0	10.23	10.73	11.43	12.21	12.99	13.27	13.83	14.26
77.5	7.13	7.76	8.68	9.25	9.53	9.32	9.32	9.39
80.0	5.01	5.72	6.28	6.56	6.78	6.49	6.07	5.93
82.5	2.33	2.53	3.03	3.45	3.68	3.31	3.10	3.13
85.0	1.08	1.12	1.18	1.18	1.23	1.13	1.10	1.16
87.5	0.62	0.62	0.60	0.59	0.57	0.56	0.55	0.53
90.0	0.55	0.54	0.52	0.52	0.50	0.49	0.48	0.47

G/C [cd/klm]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	288.41	291.80	290.17	288.90	293.21	295.19	292.71	293.00
5.0	261.66	273.09	280.79	277.96	280.29	282.27	280.57	279.30
7.5	256.01	258.62	256.72	248.46	252.13	250.22	248.18	248.25
10.0	246.34	247.40	247.96	243.59	254.53	254.81	256.36	250.22
12.5	225.09	227.00	224.81	215.14	223.68	225.59	228.76	220.15
15.0	222.91	220.37	218.18	205.61	204.34	205.61	205.61	195.52
17.5	209.64	206.04	204.55	195.17	204.20	208.30	204.70	197.21
20.0	208.44	209.35	213.31	208.22	215.00	215.99	214.86	210.98
22.5	218.81	217.26	220.22	212.95	219.24	219.59	220.08	212.74
25.0	215.71	216.69	217.47	210.91	220.01	221.99	221.57	214.44
27.5	215.99	216.20	217.26	209.99	216.69	217.82	216.69	208.22
30.0	209.07	207.45	206.25	201.87	207.24	208.44	208.93	200.74
32.5	195.59	194.46	194.88	193.26	199.40	198.91	196.30	187.97
35.0	182.53	181.97	185.00	183.66	187.68	187.68	183.94	175.61
37.5	171.59	170.18	170.46	169.54	172.23	171.73	169.26	161.64
40.0	159.03	156.91	156.56	153.73	155.92	155.64	153.38	146.68
42.5	146.11	142.93	141.38	138.06	138.56	137.64	134.96	128.39
45.0	128.82	123.59	119.85	114.98	113.64	111.81	109.05	103.55
47.5	101.99	96.21	92.11	88.23	87.03	85.62	83.08	79.05
50.0	73.41	70.02	67.97	66.49	66.42	65.57	63.60	60.56
52.5	56.40	54.49	53.15	51.81	51.32	49.90	47.72	45.53
55.0	43.20	40.87	40.02	40.52	41.43	41.79	41.29	40.59
57.5	36.28	36.35	36.63	36.92	37.34	37.48	37.41	37.83
60.0	33.17	33.10	34.02	37.69	43.97	50.89	56.11	61.06
62.5	30.85	33.10	37.76	43.55	51.17	58.51	64.66	70.94
65.0	29.08	32.82	38.40	46.23	54.91	62.19	67.83	71.57
67.5	26.89	30.56	36.77	45.10	53.22	58.80	62.26	62.04
70.0	23.72	26.82	31.76	38.19	43.62	46.52	46.87	45.39
72.5	19.41	20.96	23.01	26.12	29.72	32.12	33.60	33.60
75.0	14.75	15.32	16.02	17.72	20.40	22.94	25.13	26.26
77.5	9.53	10.31	11.79	14.19	16.66	18.28	19.62	21.25
80.0	6.21	7.48	9.39	11.36	12.92	13.13	13.76	14.82

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	3.73	5.22	7.08	8.84	10.11	10.25	10.39	10.79
85.0	1.57	2.12	2.61	3.28	3.84	3.79	3.46	3.20
87.5	0.52	0.50	0.49	0.47	0.47	0.47	0.46	0.44
90.0	0.45	0.44	0.42	0.41	0.40	0.38	0.37	0.36

G/C [cd/klm]	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	287.00	281.21	284.24	298.71	304.01	290.31	278.39	279.59
5.0	269.70	268.72	273.16	287.99	293.56	280.50	270.27	270.13
7.5	242.81	239.35	237.38	249.16	253.26	239.92	230.18	234.91
10.0	250.43	246.06	245.00	259.19	256.08	242.39	237.02	239.64
12.5	209.78	212.81	213.94	225.45	232.36	214.65	205.05	212.32
15.0	191.43	197.78	201.59	210.62	211.75	198.13	193.12	202.01
17.5	189.73	189.73	196.08	206.39	209.78	194.81	184.86	189.17
20.0	204.48	206.74	213.73	226.58	227.42	213.59	204.48	205.40
22.5	206.67	206.18	211.19	221.99	223.47	209.50	201.17	204.63
25.0	208.93	209.99	215.71	226.51	227.57	212.18	203.92	207.38
27.5	201.66	203.57	208.72	218.74	218.74	205.19	198.06	201.31
30.0	193.54	193.54	198.41	206.88	208.08	195.38	189.10	191.71
32.5	180.91	180.49	185.28	193.97	194.25	183.17	176.53	177.73
35.0	169.90	169.12	172.37	179.92	180.49	169.76	164.11	166.93
37.5	155.85	155.36	158.18	164.82	165.31	154.93	150.06	152.82
40.0	141.31	140.96	143.57	149.57	149.92	140.75	136.44	138.84
42.5	123.52	122.75	124.37	128.89	129.10	121.62	118.51	121.19
45.0	98.89	97.83	98.89	102.35	102.42	96.91	94.94	97.48
47.5	75.88	75.17	75.88	78.21	78.14	73.90	72.28	73.97
50.0	58.59	58.09	58.59	60.21	59.86	56.89	55.69	56.82
52.5	44.40	44.26	44.82	45.88	45.88	43.83	42.70	43.27
55.0	40.23	40.37	41.01	42.21	42.56	40.80	39.67	39.88
57.5	39.67	42.14	44.61	47.64	49.27	47.01	43.90	42.00
60.0	64.44	66.84	68.26	71.78	73.69	71.43	66.42	62.47
62.5	74.26	73.41	72.07	74.47	76.73	74.68	71.50	69.38
65.0	71.22	66.63	62.75	63.10	64.66	63.60	63.24	65.15
67.5	57.67	51.88	47.57	47.29	48.49	47.86	48.35	51.67
70.0	41.79	37.27	34.23	34.09	35.08	34.30	34.30	36.56
72.5	32.19	30.07	28.38	28.73	29.72	28.80	28.30	29.08
75.0	26.47	25.41	24.70	25.76	27.03	25.98	24.92	24.85
77.5	22.09	21.74	21.74	23.22	24.42	23.15	21.81	21.25
80.0	15.39	14.82	14.61	15.60	16.73	15.95	15.03	14.89
82.5	10.93	10.26	9.81	10.10	11.02	10.83	10.52	10.64
85.0	3.13	2.89	2.71	2.67	2.89	2.89	2.87	3.11
87.5	0.42	0.42	0.40	0.38	0.35	0.37	0.40	0.42
90.0	0.35	0.33	0.32	0.31	0.31	0.30	0.32	0.33

G/C [cd/klm]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	286.50	293.70	290.95	289.19	288.27	288.69	290.17	286.86
5.0	276.34	282.55	276.69	278.67	276.55	273.94	273.02	274.57
7.5	252.27	259.68	256.43	254.95	257.78	263.49	265.19	258.34
10.0	252.41	260.53	251.99	251.70	246.98	252.13	248.03	246.76
12.5	218.46	222.06	227.42	228.20	224.39	228.91	236.25	241.40
15.0	200.25	208.01	208.08	208.44	207.73	214.58	217.89	219.94
17.5	191.57	199.97	199.61	202.44	199.97	201.59	205.90	208.22
20.0	207.73	215.07	211.61	209.64	206.32	207.73	206.32	208.08

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	209.99	218.32	218.32	215.28	212.18	214.79	217.19	215.85
25.0	211.75	219.52	218.67	216.98	213.66	214.01	215.99	215.42
27.5	205.68	213.38	214.15	212.25	209.71	211.97	214.93	215.07
30.0	197.21	206.25	207.31	203.35	200.95	203.71	205.54	207.80
32.5	182.67	191.43	193.47	193.61	194.04	195.03	195.17	196.08
35.0	172.37	180.06	182.53	183.45	183.87	187.26	187.76	185.21
37.5	158.11	165.87	168.63	169.47	171.24	174.63	174.49	175.54
40.0	144.13	151.40	153.66	154.44	155.85	158.74	160.30	162.06
42.5	126.42	133.26	136.30	137.85	139.83	143.00	144.84	148.37
45.0	102.35	108.70	112.16	114.06	116.96	121.05	124.86	129.88
47.5	77.50	82.44	85.55	87.60	90.28	93.52	97.62	103.12
50.0	59.29	62.61	64.80	66.42	68.04	68.96	70.58	73.41
52.5	44.54	47.08	49.20	51.17	52.87	53.93	54.84	55.97
55.0	40.45	41.79	42.21	42.14	42.14	41.43	41.15	42.70
57.5	40.66	39.88	39.10	38.05	37.48	37.20	36.99	37.06
60.0	60.42	57.60	53.64	47.08	40.73	35.57	33.60	33.81
62.5	68.40	65.57	60.49	52.80	46.30	41.50	36.00	32.47
65.0	68.33	69.03	64.94	57.67	50.04	44.54	37.20	32.40
67.5	57.10	61.55	60.14	55.55	50.19	44.26	36.56	30.49
70.0	40.52	43.90	45.53	44.68	42.35	38.54	32.54	26.75
72.5	30.92	32.40	32.12	30.77	28.87	26.96	24.00	21.03
75.0	25.83	25.76	24.63	22.59	20.12	17.72	16.23	15.53
77.5	21.46	21.03	19.98	18.49	16.45	13.83	11.51	10.23
80.0	15.25	14.82	14.12	13.62	12.56	10.94	8.82	7.06
82.5	11.19	11.35	11.17	10.68	9.95	8.62	6.76	4.93
85.0	3.50	3.73	3.89	3.85	3.56	3.04	2.67	2.11
87.5	0.43	0.45	0.47	0.49	0.50	0.51	0.52	0.54
90.0	0.35	0.37	0.40	0.41	0.42	0.44	0.45	0.47

G/C [cd/klm]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	289.26	286.01	290.10	287.99	284.39	284.10	278.53	284.67
5.0	278.10	273.45	278.24	277.12	274.57	275.28	273.37	284.24
7.5	259.19	257.56	270.62	271.05	270.41	273.80	269.63	272.39
10.0	247.89	250.22	255.02	259.12	255.94	255.02	257.85	265.54
12.5	242.95	245.56	259.05	262.93	262.43	261.80	257.21	258.90
15.0	226.01	229.96	235.61	243.52	249.59	253.96	255.09	263.70
17.5	214.08	214.72	222.13	229.96	238.93	244.08	247.19	252.41
20.0	212.67	211.47	215.50	216.27	223.40	227.71	231.02	242.60
22.5	217.82	213.80	217.47	217.26	217.97	218.32	221.21	231.94
25.0	216.20	216.48	222.20	223.68	222.48	222.55	220.79	227.57
27.5	216.48	215.35	219.45	220.37	220.58	223.47	224.53	229.19
30.0	210.70	211.47	217.68	218.39	219.17	220.58	222.77	227.00
32.5	198.13	200.95	208.08	211.90	214.22	216.69	219.31	223.97
35.0	185.36	186.27	192.84	199.05	204.48	210.27	214.51	220.58
37.5	175.05	176.60	181.68	185.43	190.93	199.61	208.51	218.18
40.0	163.12	165.45	171.10	175.83	180.49	187.76	198.27	213.59
42.5	149.64	153.03	158.67	162.06	167.85	176.74	187.90	205.75
45.0	133.12	137.29	143.50	147.66	152.89	161.36	173.57	192.13
47.5	107.85	114.56	123.10	130.02	136.44	144.98	155.22	173.14
50.0	76.87	82.44	90.14	98.75	109.90	123.38	136.65	152.53
52.5	57.31	59.36	62.19	65.57	70.80	80.18	95.78	120.63
55.0	45.10	47.79	49.83	51.24	52.59	53.79	57.17	67.41
57.5	37.20	37.41	37.76	40.23	43.41	44.89	46.44	48.42
60.0	34.09	34.16	33.74	33.74	33.95	34.09	37.06	40.66

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	31.06	30.85	30.56	30.35	30.28	29.93	30.35	31.20
65.0	29.15	27.81	27.32	26.89	26.61	26.05	26.40	27.46
67.5	26.96	25.41	24.42	23.79	22.94	21.74	21.74	22.87
70.0	23.79	22.59	21.10	20.19	19.48	18.78	18.49	18.56
72.5	19.34	18.49	18.00	17.22	16.52	15.67	15.11	14.82
75.0	14.89	14.47	14.19	13.83	13.41	12.56	12.00	11.43
77.5	9.81	9.81	9.88	10.02	10.02	9.67	9.25	8.33
80.0	6.14	6.00	6.42	6.78	6.99	6.78	6.56	5.86
82.5	3.78	3.28	3.35	3.61	3.88	3.84	3.59	2.94
85.0	1.55	1.14	1.12	1.18	1.31	1.33	1.36	1.27
87.5	0.55	0.56	0.58	0.60	0.61	0.64	0.64	0.66
90.0	0.48	0.49	0.50	0.52	0.53	0.54	0.55	0.56

G/C [cd/klm]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	284.67	280.50	282.69	285.23	283.26	279.73	281.14	283.12
5.0	284.88	281.21	283.40	286.50	288.06	287.84	288.34	288.69
7.5	271.47	271.12	284.32	287.70	288.27	288.34	294.90	294.48
10.0	269.42	276.27	285.02	291.51	290.53	287.28	291.37	292.79
12.5	266.32	269.85	271.54	283.26	284.32	286.86	299.63	300.20
15.0	278.24	276.55	278.46	280.79	282.41	283.40	295.89	303.23
17.5	271.33	275.92	282.27	288.97	288.55	291.44	293.14	299.14
20.0	259.68	264.62	275.42	292.50	299.63	298.01	297.73	298.64
22.5	244.51	252.69	267.30	286.01	295.54	302.95	304.15	305.84
25.0	229.54	239.42	253.19	275.99	289.68	298.78	309.73	318.13
27.5	231.09	235.33	242.74	262.29	279.52	293.35	306.76	321.94
30.0	231.52	234.76	241.54	249.66	267.94	285.30	303.16	323.49
32.5	227.64	234.98	241.54	249.31	261.87	277.19	300.55	323.21
35.0	225.31	233.64	243.80	252.98	260.39	274.72	295.96	319.75
37.5	223.82	233.64	244.22	253.75	262.15	269.56	291.16	316.85
40.0	223.19	234.62	244.22	256.01	263.63	271.68	290.88	312.41
42.5	222.55	239.42	250.65	259.47	265.75	274.01	286.01	309.73
45.0	212.39	240.06	259.47	271.89	276.69	279.44	289.47	310.08
47.5	193.05	223.97	255.16	279.52	292.93	301.68	307.68	312.90
50.0	169.76	198.63	234.84	270.48	294.13	311.21	329.00	336.69
52.5	143.43	170.96	206.32	250.01	287.42	309.51	335.07	353.98
55.0	89.36	128.32	171.80	220.15	273.23	309.80	342.69	367.61
57.5	51.95	68.18	107.71	169.26	243.94	303.87	344.31	378.05
60.0	43.27	49.34	66.35	109.05	182.96	271.40	328.85	368.10
62.5	35.08	43.27	52.37	72.77	126.13	217.75	297.16	346.22
65.0	30.21	35.57	43.06	55.48	84.56	158.89	261.59	317.56
67.5	26.47	31.48	36.35	43.20	57.39	107.99	210.55	278.81
70.0	19.48	23.01	28.52	34.23	42.42	69.81	158.11	251.56
72.5	15.32	16.31	17.86	21.10	28.30	44.82	111.10	214.58
75.0	11.29	11.51	12.35	14.19	17.15	26.19	64.16	137.43
77.5	7.69	7.62	8.19	9.25	10.23	13.48	25.98	56.61
80.0	5.15	4.80	4.94	5.36	5.58	6.92	10.38	15.11
82.5	2.66	2.52	2.43	2.48	2.63	2.90	3.52	4.39
85.0	1.26	1.21	1.18	1.20	1.28	1.42	1.67	2.00
87.5	0.68	0.68	0.67	0.67	0.71	0.78	0.90	1.03
90.0	0.58	0.59	0.59	0.59	0.62	0.68	0.75	0.80

G/C [cd/klm]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	286.57	290.88	290.81	290.95	293.00	296.88	297.02	298.29
5.0	288.55	290.46	291.94	292.22	291.59	292.64	291.23	294.83
7.5	293.63	294.20	291.87	288.06	287.07	291.51	293.35	293.07
10.0	291.66	297.59	297.30	299.42	298.22	298.22	295.54	294.69
12.5	304.36	309.30	307.89	303.73	301.75	300.97	297.51	302.81
15.0	310.08	315.65	312.62	307.18	304.78	310.36	306.97	304.71
17.5	307.11	322.29	322.57	320.03	317.77	316.36	311.21	310.43
20.0	307.68	322.57	331.96	327.58	323.98	321.80	323.07	318.48
22.5	312.41	322.50	331.75	334.36	336.97	334.29	327.51	321.73
25.0	316.57	323.63	332.03	343.04	344.17	340.15	332.31	325.61
27.5	324.97	327.23	333.94	344.17	351.02	346.29	338.17	329.98
30.0	333.44	334.78	338.31	347.21	359.35	354.83	345.30	335.70
32.5	338.31	345.44	345.44	351.86	365.91	364.15	353.63	343.11
35.0	342.12	355.89	352.78	358.08	371.13	373.75	362.03	350.10
37.5	340.50	362.31	360.97	362.81	373.53	380.31	367.82	355.11
40.0	335.98	361.32	368.66	367.25	376.22	386.17	373.18	360.19
42.5	333.94	361.68	374.45	372.76	377.91	389.13	375.65	362.03
45.0	330.62	357.79	378.47	378.05	379.68	392.31	378.69	365.49
47.5	330.27	354.33	379.46	382.00	382.78	394.43	382.36	368.81
50.0	345.02	354.62	377.70	386.73	388.22	397.67	386.73	374.10
52.5	372.33	381.79	393.09	403.81	404.10	407.49	398.31	385.89
55.0	388.92	408.83	416.80	426.05	423.65	420.76	410.45	396.62
57.5	395.34	423.01	439.11	447.72	439.39	427.04	412.00	396.33
60.0	393.58	418.71	435.51	446.31	433.18	410.66	390.26	373.32
62.5	374.03	401.56	420.54	432.40	421.32	387.86	359.98	342.69
65.0	344.31	368.66	388.00	401.42	397.46	359.56	321.44	304.57
67.5	310.15	334.36	356.17	373.68	372.90	335.91	290.03	274.72
70.0	292.22	318.83	343.96	359.77	362.45	328.92	267.73	251.85
72.5	259.82	280.93	296.10	308.60	315.80	302.53	245.14	218.39
75.0	181.40	200.67	212.46	223.19	237.45	242.67	216.91	187.83
77.5	73.69	84.07	90.91	96.35	105.17	114.14	118.79	115.34
80.0	17.43	19.06	19.41	20.12	20.40	20.54	20.19	19.55
82.5	4.96	5.57	6.11	6.37	6.51	6.83	7.31	7.45
85.0	2.27	2.57	2.79	2.99	3.06	3.07	3.25	3.30
87.5	1.14	1.24	1.28	1.31	1.31	1.19	1.07	0.98
90.0	0.85	0.89	0.89	0.86	0.81	0.63	0.44	0.30

G/C [cd/klm]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	298.15	297.59	296.53	298.29	298.08	299.56	300.27	300.06
5.0	297.30	297.73	299.70	299.42	296.88	296.31	296.10	295.19
7.5	291.51	303.16	300.34	299.49	295.19	292.79	291.59	290.03
10.0	295.75	304.01	300.76	297.80	292.22	288.27	286.57	284.03
12.5	300.97	305.00	299.56	295.11	288.27	283.89	280.22	276.13
15.0	304.29	303.73	297.59	292.15	284.39	278.39	272.81	268.15
17.5	309.23	304.22	296.39	289.19	280.01	272.74	265.82	260.18
20.0	311.49	304.78	296.31	288.06	276.76	267.73	259.89	253.96
22.5	313.47	305.49	296.67	286.93	274.29	264.06	255.23	249.31
25.0	316.08	306.90	296.81	285.80	271.75	259.96	250.65	246.13
27.5	319.11	308.46	297.59	285.02	269.42	256.36	247.26	244.86
30.0	323.70	311.70	299.77	285.30	268.36	254.60	245.71	244.15
32.5	330.12	317.07	303.51	287.56	268.79	253.82	245.56	245.78
35.0	336.05	322.15	307.33	289.82	269.77	254.46	247.68	249.02
37.5	340.71	326.17	311.07	292.50	272.32	257.21	251.99	254.32
40.0	344.81	329.07	313.18	294.20	274.15	259.82	256.58	260.88

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	347.84	332.45	315.94	296.95	276.83	263.56	261.80	266.25
45.0	350.17	334.43	317.91	299.07	278.10	264.76	264.27	269.92
47.5	353.42	337.89	320.67	300.06	278.03	264.06	263.99	271.12
50.0	357.79	341.91	323.84	301.82	278.81	263.28	262.79	270.20
52.5	369.65	351.79	331.18	305.63	278.53	259.68	256.86	262.36
55.0	379.39	359.21	335.91	307.26	276.90	255.23	249.23	252.27
57.5	377.98	357.65	333.23	303.58	271.47	246.06	238.44	241.61
60.0	356.59	338.81	316.78	288.55	257.28	233.64	228.62	234.20
62.5	327.94	311.42	292.22	267.73	240.06	219.94	218.04	228.48
65.0	291.80	277.40	260.39	239.35	216.41	199.75	201.38	218.32
67.5	264.20	252.41	237.09	218.88	200.18	187.61	192.56	213.73
70.0	244.65	235.75	224.46	211.61	200.18	195.59	207.17	237.38
72.5	211.47	209.14	208.65	210.27	216.55	230.88	265.47	333.58
75.0	183.10	184.79	192.56	205.33	225.66	259.82	319.33	385.46
77.5	113.64	118.86	130.02	146.46	166.16	183.52	197.28	213.24
80.0	19.48	19.76	21.60	25.48	29.72	36.42	48.35	61.55
82.5	7.46	7.77	8.19	8.96	10.04	10.42	10.99	12.07
85.0	3.25	3.58	3.84	4.16	4.41	4.55	4.72	4.64
87.5	0.92	1.19	1.42	1.65	1.80	1.86	1.90	1.92
90.0	0.19	0.46	0.71	0.97	1.14	1.22	1.28	1.31

G/C [cd/klm]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	299.98	298.64	296.24	297.02	298.01	297.59	295.40	291.30
5.0	294.27	291.66	288.69	289.04	289.33	288.13	284.46	279.52
7.5	288.27	284.03	279.87	278.74	277.82	275.14	270.20	264.62
10.0	280.29	274.50	269.21	266.88	265.05	261.94	257.42	252.55
12.5	271.75	265.19	259.54	257.00	255.52	253.89	251.14	247.89
15.0	263.14	256.08	250.86	250.01	251.28	251.49	249.94	247.61
17.5	255.23	248.95	246.34	247.33	250.01	251.35	249.45	247.89
20.0	250.08	245.99	244.58	246.48	249.80	251.21	250.22	248.74
22.5	247.05	244.58	244.01	246.48	249.80	251.92	250.79	249.66
25.0	245.78	244.43	244.15	246.76	250.36	252.98	251.99	251.28
27.5	246.13	244.93	244.93	248.46	252.41	255.30	254.88	253.75
30.0	246.34	245.56	246.20	249.87	254.53	258.13	258.76	257.99
32.5	248.60	247.82	248.88	253.33	258.13	261.87	262.79	261.94
35.0	251.92	251.49	253.68	258.41	263.00	266.95	267.52	266.53
37.5	257.99	258.62	261.66	265.82	269.49	272.32	272.53	270.76
40.0	265.54	266.10	268.72	272.39	276.76	279.52	278.81	276.13
42.5	271.68	272.39	274.86	279.09	283.19	285.30	284.03	281.42
45.0	276.27	277.96	280.57	284.24	288.34	290.31	289.89	288.76
47.5	278.81	281.35	284.81	288.13	292.79	295.33	297.94	304.15
50.0	278.10	280.08	284.81	290.17	296.74	305.77	316.29	327.23
52.5	269.00	271.75	277.61	284.88	299.63	319.47	338.10	354.69
55.0	258.41	262.43	271.40	288.76	315.30	343.68	367.75	379.46
57.5	249.02	257.14	275.28	303.73	339.23	371.20	389.06	386.24
60.0	244.65	261.23	289.82	325.40	361.25	383.49	385.53	371.28
62.5	245.28	271.89	307.26	341.84	366.69	370.71	358.85	333.37
65.0	245.28	279.73	317.49	345.94	355.82	343.39	316.08	274.29
67.5	246.55	287.70	323.91	340.36	335.07	306.90	265.26	207.80
70.0	287.00	340.29	371.84	366.05	333.87	284.46	221.14	147.87
72.5	416.03	471.58	478.71	450.68	398.87	318.05	208.22	107.71
75.0	441.79	452.31	435.23	399.72	342.05	245.35	127.83	50.26
77.5	223.26	221.71	216.48	197.78	145.76	72.21	32.40	20.68
80.0	66.49	57.17	45.67	37.41	27.88	16.38	10.73	8.96

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	13.26	13.63	12.45	10.40	8.33	6.82	5.91	5.61
85.0	4.48	4.30	4.00	3.70	3.40	3.19	3.04	3.01
87.5	1.91	1.87	1.83	1.78	1.74	1.74	1.74	1.76
90.0	1.34	1.35	1.36	1.37	1.37	1.39	1.43	1.45

G/C [cd/klm]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	291.44	295.54	289.19	284.95	286.36	292.86	292.15	288.97
5.0	280.01	283.47	274.79	269.99	270.90	276.27	274.22	270.55
7.5	265.19	267.30	257.42	252.27	253.47	258.83	257.00	253.82
10.0	254.03	256.86	247.68	243.73	246.83	253.05	252.34	249.94
12.5	250.65	254.60	245.63	242.32	245.63	252.55	251.99	249.80
15.0	251.07	255.52	246.83	243.31	246.48	253.68	253.05	250.72
17.5	252.34	257.78	248.53	245.07	248.74	255.80	256.29	253.89
20.0	252.98	258.69	249.73	246.76	251.14	258.13	258.48	256.22
22.5	254.32	259.96	251.00	247.89	251.92	258.83	259.96	257.63
25.0	256.08	261.87	252.62	249.31	253.75	261.66	263.00	260.32
27.5	258.55	264.90	256.15	252.62	257.07	264.97	265.89	263.28
30.0	262.79	268.79	259.75	255.80	259.54	267.80	268.36	265.68
32.5	266.46	272.53	263.49	258.27	262.86	270.76	271.47	268.72
35.0	270.76	277.61	268.43	263.49	267.94	276.48	277.54	274.93
37.5	275.99	282.76	273.94	269.35	273.94	282.97	285.16	284.81
40.0	280.22	287.49	279.23	275.35	282.20	293.28	297.23	296.81
42.5	285.87	295.26	290.46	289.11	296.81	309.09	313.40	313.96
45.0	297.59	313.33	310.71	309.09	318.48	332.17	336.05	334.36
47.5	318.97	339.30	339.51	335.56	343.11	356.24	356.03	349.54
50.0	346.64	369.37	369.44	359.21	359.70	367.39	361.96	348.62
52.5	373.53	392.38	386.03	365.56	358.85	359.35	346.71	321.09
55.0	386.95	394.85	378.69	351.72	335.14	317.28	279.23	230.11
57.5	380.95	378.69	352.22	307.89	263.77	217.47	161.71	118.09
60.0	355.54	338.81	287.42	215.57	157.12	110.75	81.03	69.67
62.5	302.95	258.34	185.36	119.22	79.69	62.75	56.11	52.16
65.0	219.87	157.90	95.78	60.84	48.63	45.46	44.12	43.06
67.5	141.52	84.00	49.90	39.67	38.05	37.97	38.61	38.47
70.0	84.00	47.50	35.43	32.54	32.12	32.33	32.89	33.10
72.5	48.77	32.19	28.73	27.46	27.25	27.18	27.03	26.33
75.0	27.18	24.42	23.29	22.87	22.59	22.23	22.02	22.09
77.5	18.28	18.21	18.28	18.14	17.72	17.22	16.94	17.29
80.0	8.47	8.89	9.46	10.73	11.51	11.08	10.80	11.15
82.5	5.48	5.50	5.69	6.15	6.50	6.51	6.80	6.78
85.0	3.04	3.01	3.06	3.10	3.13	3.15	3.30	3.40
87.5	1.76	1.76	1.78	1.80	1.84	1.85	1.87	1.88
90.0	1.46	1.48	1.49	1.51	1.53	1.54	1.55	1.55

G/C [cd/klm]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	290.31	287.49	292.86	290.95	289.75	289.61	291.94	288.83
5.0	271.12	267.37	272.39	270.06	268.15	266.46	268.29	264.48
7.5	254.53	251.21	257.21	255.45	253.19	251.35	253.75	250.22
10.0	250.86	247.68	254.32	252.90	250.86	249.16	251.28	247.61
12.5	251.35	248.32	255.02	254.03	250.86	250.01	252.41	249.23
15.0	253.12	250.08	256.58	255.94	253.68	253.33	255.16	251.63
17.5	256.01	252.41	259.54	259.19	256.93	256.65	258.20	254.39
20.0	258.20	254.46	261.02	260.60	259.26	259.33	260.67	257.63

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	260.25	257.07	263.85	263.85	262.65	262.29	264.83	261.87
25.0	262.43	259.54	266.32	266.74	265.40	265.19	267.59	264.83
27.5	265.68	262.43	269.21	269.92	268.79	268.93	270.97	268.08
30.0	268.08	265.05	271.96	272.60	272.03	272.74	275.21	273.02
32.5	272.03	268.72	276.55	278.67	277.75	279.37	281.92	279.87
35.0	278.60	276.41	284.32	287.56	286.86	289.19	293.14	291.66
37.5	290.10	288.69	297.09	299.84	299.42	301.33	304.08	302.03
40.0	303.02	300.97	309.51	312.34	312.05	314.67	317.07	315.30
42.5	319.68	317.84	326.74	330.34	327.87	329.98	332.24	328.64
45.0	339.94	334.92	340.57	342.83	338.24	338.45	337.68	333.94
47.5	351.23	341.91	343.11	340.15	329.63	324.69	318.34	308.24
50.0	342.27	326.17	317.07	300.41	277.61	259.89	244.72	229.12
52.5	295.82	258.62	231.52	203.14	174.06	152.11	137.29	126.84
55.0	188.67	146.96	122.25	107.43	97.12	89.36	84.63	80.61
57.5	96.14	83.85	77.01	72.91	68.96	66.35	64.37	62.82
60.0	65.57	61.97	58.94	56.19	53.57	52.44	51.74	51.03
62.5	50.47	49.27	48.42	47.64	46.44	45.81	45.39	44.54
65.0	43.20	43.13	42.84	42.21	40.87	39.88	39.32	38.82
67.5	38.75	38.26	37.69	37.41	37.90	38.96	39.67	39.67
70.0	33.03	32.89	33.95	35.36	35.93	35.93	35.36	34.23
72.5	26.61	29.01	31.27	31.90	30.70	29.15	28.38	27.67
75.0	23.50	26.33	27.67	27.03	25.76	24.78	24.35	23.65
77.5	18.56	21.03	21.81	21.10	20.05	18.78	17.86	17.29
80.0	11.86	13.83	14.33	13.83	13.13	12.35	11.79	11.36
82.5	6.90	7.42	7.92	7.78	7.41	6.97	6.66	6.45
85.0	3.56	3.80	3.98	4.00	3.91	3.66	3.38	3.06
87.5	1.88	1.90	1.91	1.90	1.89	1.90	1.90	1.90
90.0	1.55	1.55	1.55	1.54	1.54	1.53	1.52	1.50

G/C [cd/klm]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	283.54	280.08	286.43	299.56	304.29	285.87	278.67	279.59
5.0	259.61	257.21	263.56	275.28	278.60	260.81	254.25	255.94
7.5	246.06	244.36	250.01	261.02	264.27	246.76	240.55	242.67
10.0	243.52	242.32	247.82	259.05	262.08	244.01	237.52	239.71
12.5	245.14	243.80	248.95	259.89	262.93	244.86	238.44	240.83
15.0	248.18	247.61	252.76	263.49	266.53	248.03	241.47	244.08
17.5	250.58	250.79	256.43	267.52	269.63	250.43	243.38	245.63
20.0	253.96	254.39	260.25	271.19	273.16	253.05	245.99	248.95
22.5	257.78	257.70	264.20	275.63	277.75	257.56	249.87	252.90
25.0	261.09	261.23	267.66	279.09	280.72	260.25	252.69	256.15
27.5	264.48	264.48	270.62	282.41	283.89	263.70	255.66	258.90
30.0	269.42	269.85	276.06	288.90	290.39	269.42	261.16	264.48
32.5	276.97	277.47	283.75	296.88	297.94	277.12	268.72	272.10
35.0	288.41	289.04	295.54	309.44	310.15	288.83	280.50	284.32
37.5	298.08	298.50	305.07	319.54	320.45	298.43	289.68	293.42
40.0	311.56	312.05	319.54	334.71	335.28	311.91	302.24	305.91
42.5	323.84	324.41	331.82	347.06	347.35	323.49	313.75	318.20
45.0	326.52	323.42	329.35	343.61	343.54	319.89	312.76	318.27
47.5	295.61	287.56	288.06	298.64	298.29	277.75	275.28	283.40
50.0	210.77	198.27	192.91	197.28	196.58	183.94	185.99	194.25
52.5	117.03	109.41	107.22	109.69	110.61	104.89	106.16	109.83
55.0	76.65	73.48	73.20	74.61	74.40	71.29	70.87	72.63
57.5	60.14	58.66	59.01	60.28	60.49	58.16	57.17	57.95
60.0	49.55	48.92	49.55	50.96	51.32	49.34	48.49	48.77

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	43.13	42.21	42.56	43.76	44.12	42.42	41.72	42.07
65.0	37.90	37.69	38.54	40.09	40.59	38.68	37.69	37.55
67.5	38.68	38.12	38.33	39.67	40.66	38.89	37.83	37.62
70.0	32.05	30.56	29.86	30.77	31.48	30.35	29.72	29.86
72.5	26.05	24.99	24.56	25.48	26.61	25.48	24.70	24.56
75.0	22.09	20.96	20.47	21.10	21.95	21.39	20.75	20.61
77.5	16.09	15.32	14.75	15.03	15.46	15.18	14.82	14.82
80.0	10.66	10.02	9.74	9.81	10.16	9.95	9.81	9.81
82.5	6.03	5.63	5.50	5.51	5.75	5.60	5.53	5.45
85.0	2.71	2.50	2.41	2.39	2.38	2.38	2.38	2.43
87.5	1.87	1.84	1.80	1.76	1.75	1.76	1.79	1.82
90.0	1.50	1.48	1.46	1.44	1.42	1.45	1.46	1.48

G/C [cd/klm]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	286.64	289.33	289.82	289.54	291.23	291.16	289.26	292.93
5.0	263.49	265.82	265.82	266.39	268.15	269.85	268.15	272.81
7.5	250.58	251.99	251.21	251.63	252.62	254.03	251.14	254.88
10.0	247.82	249.02	248.03	248.74	249.31	250.22	246.98	250.86
12.5	248.81	249.31	248.32	248.53	249.59	250.93	247.75	251.56
15.0	251.49	251.14	250.79	251.14	252.13	253.12	249.23	253.47
17.5	253.61	253.47	252.98	253.89	254.67	255.80	251.70	256.22
20.0	256.72	256.01	255.52	256.08	257.14	258.13	253.26	257.85
22.5	260.88	259.40	259.05	259.26	259.75	260.60	254.60	259.54
25.0	264.34	262.65	261.66	261.59	262.72	262.86	257.14	261.52
27.5	267.16	265.96	264.90	265.96	266.17	266.03	259.89	263.92
30.0	272.74	271.40	269.92	270.27	268.86	268.65	263.28	267.23
32.5	280.01	278.67	276.48	277.33	275.49	275.07	268.08	271.05
35.0	292.64	291.44	289.11	288.34	285.66	284.10	275.84	278.67
37.5	302.10	301.33	299.14	299.77	298.64	297.23	290.17	291.23
40.0	315.30	313.96	311.84	312.76	310.85	309.37	303.09	305.63
42.5	328.64	327.65	326.17	327.30	325.89	325.47	319.61	323.21
45.0	330.69	331.68	331.04	333.58	335.28	337.39	334.29	339.44
47.5	298.86	305.07	310.08	318.97	325.18	332.03	333.09	342.90
50.0	208.58	219.17	232.44	251.92	272.25	292.50	305.70	323.21
52.5	116.46	122.75	132.49	145.12	162.13	187.76	216.91	254.95
55.0	76.02	78.14	82.16	87.52	94.30	101.71	112.02	133.69
57.5	60.14	61.69	63.24	65.22	67.55	70.30	73.27	79.05
60.0	50.12	51.10	51.88	52.80	54.14	55.69	57.95	61.06
62.5	43.48	44.54	45.32	46.09	47.01	47.50	48.21	49.27
65.0	38.33	39.10	39.53	40.09	41.08	41.79	42.77	43.62
67.5	38.47	39.46	39.74	38.89	37.76	36.92	37.55	38.61
70.0	31.55	33.74	35.01	35.72	35.93	35.08	33.60	32.82
72.5	25.69	27.25	28.02	28.94	30.56	31.41	30.70	29.01
75.0	21.67	23.22	24.28	25.13	25.76	26.33	27.10	25.69
77.5	15.67	16.87	17.86	18.92	20.05	20.68	21.25	20.68
80.0	10.38	11.15	11.65	12.42	13.13	13.48	13.76	13.41
82.5	5.73	6.19	6.49	6.91	7.33	7.50	7.49	7.16
85.0	2.53	2.72	3.01	3.40	3.50	3.54	3.63	3.54
87.5	1.85	1.87	1.86	1.85	1.84	1.82	1.81	1.80
90.0	1.49	1.50	1.51	1.52	1.52	1.52	1.52	1.52

G/C [cd/klm]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	289.61	291.80	292.29	292.93	291.23	286.79	289.61	289.19
5.0	270.27	272.81	273.45	275.49	274.50	271.12	275.00	275.70
7.5	251.56	253.68	253.96	256.58	255.59	253.26	257.78	259.75
10.0	246.69	248.53	248.74	250.29	248.32	245.35	248.74	249.87
12.5	246.91	248.18	248.74	249.52	246.48	243.73	246.62	247.05
15.0	248.74	249.59	250.58	251.28	247.68	245.21	247.82	248.18
17.5	251.92	252.48	252.98	253.61	250.08	247.19	249.38	249.87
20.0	253.47	254.60	255.09	256.08	252.41	249.45	251.14	251.28
22.5	254.95	256.72	256.50	257.00	253.75	251.70	252.98	252.83
25.0	256.86	258.98	258.55	258.62	255.30	252.62	254.18	253.89
27.5	259.96	261.45	261.45	260.88	257.70	255.30	255.94	255.80
30.0	262.86	263.99	263.42	263.28	259.54	257.28	258.48	257.85
32.5	266.03	267.16	265.96	265.47	262.43	260.10	261.87	261.45
35.0	271.96	272.53	271.26	270.27	266.81	263.99	264.76	264.62
37.5	282.55	280.57	277.89	275.77	271.47	267.87	268.08	267.37
40.0	296.88	295.26	290.81	285.23	278.32	272.60	271.61	270.34
42.5	314.53	314.03	310.22	304.43	294.83	285.37	280.57	276.55
45.0	332.17	334.92	333.51	328.85	320.67	310.22	301.75	291.73
47.5	341.14	348.26	350.95	350.52	344.74	337.04	330.05	318.62
50.0	330.41	344.67	354.26	359.13	359.77	357.58	356.95	349.96
52.5	286.93	316.15	336.12	348.34	354.05	359.77	368.10	371.63
55.0	172.30	221.99	271.26	307.04	328.29	342.62	356.38	369.65
57.5	87.74	105.45	145.55	203.64	259.82	301.61	331.96	352.50
60.0	62.89	66.63	72.56	94.09	144.06	208.86	271.40	314.17
62.5	49.83	51.81	54.49	58.59	68.96	104.39	170.46	240.55
65.0	43.48	43.69	43.97	44.89	47.72	53.79	82.94	146.04
67.5	38.82	39.25	39.03	38.33	38.96	40.80	44.96	71.22
70.0	32.82	33.39	33.67	33.03	32.47	32.12	33.81	39.67
72.5	27.18	26.96	26.96	26.82	27.18	27.10	27.60	29.93
75.0	22.73	21.60	21.81	21.95	22.30	22.23	21.95	22.38
77.5	18.49	17.36	17.08	17.43	17.86	17.58	16.73	15.88
80.0	11.86	10.94	10.38	10.59	10.52	9.53	8.82	8.12
82.5	6.91	6.65	6.42	6.27	6.21	5.79	5.17	4.98
85.0	3.34	3.18	3.04	2.90	2.82	2.70	2.65	2.64
87.5	1.78	1.76	1.75	1.74	1.72	1.70	1.69	1.67
90.0	1.51	1.50	1.50	1.50	1.48	1.48	1.45	1.45

G/C [cd/klm]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	293.70	294.69	294.20	296.67	295.19	297.23	297.66	296.88
5.0	280.57	282.06	282.90	286.86	286.43	288.90	289.82	290.24
7.5	264.83	266.67	268.36	273.45	275.00	278.67	280.43	282.13
10.0	253.40	254.88	256.36	261.45	263.56	267.94	271.12	274.15
12.5	249.31	249.66	249.73	252.83	253.47	257.00	260.03	263.77
15.0	249.80	248.95	248.53	250.79	249.59	251.00	252.27	254.81
17.5	251.07	249.59	248.53	250.08	247.96	247.89	247.82	249.02
20.0	251.92	250.29	248.95	250.22	247.96	247.33	246.41	246.20
22.5	253.47	251.56	250.08	251.14	248.39	247.33	246.27	245.28
25.0	254.46	252.48	251.35	252.48	250.01	248.32	246.62	245.28
27.5	256.65	254.88	253.47	254.10	250.93	249.23	246.98	245.56
30.0	258.27	256.43	254.81	255.59	252.76	251.00	248.46	246.27
32.5	261.23	259.05	257.35	258.13	255.23	253.05	250.51	247.96
35.0	264.41	262.22	260.81	261.66	258.98	257.21	254.67	252.06
37.5	267.02	265.05	264.41	265.75	264.13	263.07	260.81	258.27
40.0	269.28	267.80	267.73	269.42	268.22	267.37	265.89	263.42

Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	274.22	271.47	271.12	273.02	272.10	271.68	270.62	268.01
45.0	283.33	278.60	277.47	278.39	276.83	276.62	275.21	272.25
47.5	304.57	291.23	284.74	283.75	281.42	280.72	279.37	276.97
50.0	336.83	317.77	300.97	290.74	284.74	282.69	280.29	276.69
52.5	367.04	352.15	329.49	305.63	286.15	276.62	271.61	268.15
55.0	376.36	375.02	361.68	335.35	303.09	279.94	266.88	260.81
57.5	363.72	373.18	376.99	362.03	331.89	298.57	272.53	258.27
60.0	338.03	356.81	370.29	371.35	356.45	326.17	290.03	263.56
62.5	288.62	322.01	346.29	358.92	361.46	345.23	311.28	278.53
65.0	211.97	265.96	307.18	335.63	352.99	353.35	330.12	291.16
67.5	132.84	203.35	261.45	305.14	335.84	350.88	339.51	303.58
70.0	72.98	145.26	221.49	286.08	336.69	369.23	376.57	346.92
72.5	39.25	97.41	206.74	310.64	390.69	442.99	471.36	465.36
75.0	24.70	38.33	118.72	236.74	328.01	383.49	418.43	436.14
77.5	16.16	18.63	28.80	65.50	130.02	169.05	183.52	191.28
80.0	7.76	8.05	9.81	14.26	23.43	29.08	33.17	44.12
82.5	4.93	5.00	5.19	5.68	6.75	8.55	10.29	11.21
85.0	2.64	2.65	2.70	2.82	2.96	3.11	3.29	3.49
87.5	1.67	1.65	1.62	1.62	1.64	1.67	1.69	1.72
90.0	1.44	1.44	1.43	1.43	1.44	1.45	1.45	1.44

G/C [cd/klm]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
0.0	290.09	290.09	290.09	290.09	290.09	290.09	290.09	290.09
2.5	297.44	297.23	297.30	299.49	298.78	298.01	297.66	296.88
5.0	292.08	293.28	294.48	297.73	298.86	301.18	303.37	299.49
7.5	285.44	287.99	290.10	294.83	297.59	301.61	304.50	304.50
10.0	278.60	281.92	284.95	290.39	294.20	299.42	303.51	305.35
12.5	269.35	274.43	278.60	285.37	290.10	296.46	302.95	306.62
15.0	260.32	266.17	271.61	279.44	285.52	293.35	300.90	305.91
17.5	253.33	258.98	265.61	274.93	282.55	291.80	300.76	308.31
20.0	248.81	253.61	260.81	271.54	281.07	291.16	301.40	310.71
22.5	246.55	249.94	256.79	268.65	279.37	290.81	302.53	312.90
25.0	245.78	247.33	253.19	265.40	278.17	291.37	304.57	316.64
27.5	245.63	245.99	250.72	263.14	277.33	292.29	307.04	320.81
30.0	246.48	245.92	249.16	261.09	276.76	293.49	310.15	325.18
32.5	247.89	246.55	249.09	260.81	277.19	295.54	314.03	330.12
35.0	251.35	249.52	251.14	262.01	278.60	298.29	317.42	334.43
37.5	256.65	253.82	253.68	263.77	279.73	299.70	319.61	337.39
40.0	262.08	258.13	256.22	264.34	280.72	300.83	320.60	338.88
42.5	266.25	261.59	258.76	265.26	281.21	301.18	320.74	339.16
45.0	269.28	263.85	259.75	265.19	281.99	302.67	322.36	340.99
47.5	273.09	265.61	261.16	266.88	283.54	304.64	324.90	344.10
50.0	273.66	266.53	261.66	267.87	286.71	309.02	330.55	350.52
52.5	265.47	260.39	258.55	268.15	290.10	315.51	339.44	361.53
55.0	256.86	251.85	252.13	264.83	290.95	317.63	342.69	366.05
57.5	251.70	244.72	244.58	257.49	283.54	310.85	335.70	357.37
60.0	248.95	239.21	235.89	246.69	269.92	293.70	316.78	335.70
62.5	253.33	237.24	229.89	236.53	255.45	275.49	295.47	312.13
65.0	257.56	233.56	220.44	222.69	236.32	251.56	267.02	281.07
67.5	258.98	227.07	208.79	207.31	215.28	224.18	235.96	247.54
70.0	290.53	239.35	208.37	200.46	202.51	203.99	209.21	215.57
72.5	411.51	328.01	257.92	224.18	209.42	198.41	192.98	192.77
75.0	421.88	357.65	283.96	234.06	204.63	182.25	166.86	161.07
77.5	193.19	183.73	165.17	147.52	125.43	107.36	96.77	91.55
80.0	55.13	47.86	33.81	24.78	19.76	16.45	14.33	13.55

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Intensity [cd/klm] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC
PEDESTRIA 802006 / 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	11.08	10.26	9.44	9.01	8.58	7.62	6.88	6.42
85.0	3.68	3.75	3.88	3.88	3.73	3.37	2.98	2.70
87.5	1.74	1.74	1.72	1.68	1.57	1.28	0.92	0.66
90.0	1.43	1.40	1.35	1.30	1.19	0.89	0.49	0.23

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006		
Sample Number:	1170-QL16-S25		
Report Number:			
Model:	HYDROCITY 02 24+12 LED 24 STREET OPTIC 12 PEDESTRIAN 802006		
Flux:	3557 lm	Flux 2	0.00 lm
Date:	14/11/2016 17.46.57		
Manufacturer:	PUK ITALIA		

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1060.5	1055.7	1048.4	1034.9	1028.1	1026.1	1027.9	1037.9
5.0	1060.2	1043.4	1027.9	1023.3	1020.6	1009.8	1013.5	1023.6
7.5	1043.2	1037.9	1037.4	1032.6	1021.8	1025.3	1030.9	1043.9
10.0	1061.8	1044.2	1046.7	1052.0	1062.3	1067.5	1060.0	1047.7
12.5	1077.3	1078.6	1055.5	1059.7	1074.8	1077.1	1022.1	987.2
15.0	1088.9	1086.9	1093.6	1101.4	1085.4	1012.8	1001.5	1115.2
17.5	1116.7	1105.9	1104.7	1110.5	1060.5	1006.5	1144.6	1151.4
20.0	1133.6	1146.6	1153.9	1120.0	1007.0	1120.5	1174.2	1143.3
22.5	1145.4	1162.4	1172.2	1084.3	1054.2	1207.4	1175.7	1116.0
25.0	1160.4	1180.3	1182.0	1032.4	1190.8	1223.9	1179.2	1070.8
27.5	1178.2	1202.6	1191.6	1066.0	1248.5	1236.7	1148.4	1112.5
30.0	1198.6	1225.4	1153.1	1154.9	1281.9	1246.5	1138.8	1166.4
32.5	1219.7	1250.3	1121.8	1221.2	1295.0	1233.7	1189.8	1202.6
35.0	1236.2	1268.1	1132.6	1269.6	1303.3	1241.5	1212.1	1235.0
37.5	1247.0	1270.9	1145.4	1295.7	1302.8	1248.5	1238.5	1245.3
40.0	1254.6	1273.9	1166.7	1309.6	1299.8	1256.8	1280.2	1245.3
42.5	1257.1	1276.2	1195.6	1319.1	1292.0	1279.4	1309.0	1228.7
45.0	1265.9	1283.7	1239.5	1323.4	1290.2	1298.5	1314.6	1212.9
47.5	1277.9	1282.2	1270.1	1331.4	1300.3	1327.6	1312.6	1200.8
50.0	1303.8	1296.2	1302.8	1354.5	1332.6	1371.6	1332.4	1234.2
52.5	1347.0	1341.2	1356.5	1401.2	1396.2	1453.7	1411.7	1340.2
55.0	1367.5	1374.3	1399.4	1451.7	1478.5	1545.6	1506.4	1438.6
57.5	1331.4	1348.7	1370.1	1439.6	1510.2	1583.0	1545.8	1475.3
60.0	1246.8	1270.9	1286.2	1380.9	1493.6	1557.9	1513.7	1437.8
62.5	1152.6	1181.0	1204.1	1334.4	1470.2	1515.2	1455.2	1368.0
65.0	1033.4	1060.7	1097.2	1261.3	1388.1	1404.7	1348.2	1252.3
67.5	907.3	934.7	994.2	1189.8	1309.6	1312.3	1258.8	1153.6
70.0	782.3	811.9	911.9	1124.8	1220.2	1220.2	1178.2	1082.6
72.5	695.9	720.6	850.4	976.1	1004.8	977.4	956.3	903.3
75.0	573.2	587.5	628.9	650.3	648.7	614.4	604.8	567.9
77.5	319.4	318.1	288.0	265.4	251.6	229.2	215.9	186.5
80.0	48.5	49.2	46.4	47.2	45.7	42.9	42.9	43.4
82.5	22.2	22.3	21.0	20.8	20.0	18.9	18.2	16.9
85.0	9.1	9.1	9.4	9.7	9.5	9.1	8.6	7.9
87.5	2.0	2.7	3.7	4.3	4.7	4.7	4.6	4.3
90.0	0.4	1.2	2.4	3.1	3.7	3.9	3.9	3.7

G/C [cd]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1044.4	1043.4	1033.1	1025.3	1011.8	1011.8	1017.1	1011.0
5.0	1030.4	1033.4	1027.9	1032.9	1034.6	1030.9	1016.6	1002.2

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	1051.7	1052.5	1041.7	957.8	917.1	925.2	941.0	988.2
10.0	962.6	953.8	963.3	1005.8	1028.4	1021.6	1004.5	987.4
12.5	1013.5	1089.1	1068.8	1020.8	1004.0	975.1	896.8	867.9
15.0	1105.2	1080.1	1050.2	982.7	928.9	919.1	937.2	968.6
17.5	1090.6	1049.2	972.4	975.4	977.4	999.5	996.0	930.2
20.0	1066.0	981.7	1013.3	1031.6	1024.8	990.4	950.3	917.1
22.5	1033.9	1055.0	1047.4	1036.6	1016.1	972.1	920.9	858.9
25.0	1101.7	1112.7	1070.8	1024.8	990.7	956.8	861.7	827.5
27.5	1130.5	1102.4	1050.7	1036.9	979.7	892.0	834.0	813.7
30.0	1175.0	1095.4	1060.0	1012.3	930.4	862.9	841.3	818.5
32.5	1158.2	1112.5	1055.2	972.9	896.8	878.2	856.9	835.3
35.0	1160.9	1099.2	1042.4	961.3	915.4	894.0	861.4	840.6
37.5	1164.4	1074.8	1023.8	960.6	929.7	904.3	862.9	836.8
40.0	1151.6	1069.8	1012.0	970.6	945.5	907.1	875.2	843.6
42.5	1135.1	1064.8	1015.8	990.7	966.6	924.9	903.1	858.6
45.0	1128.3	1068.3	1043.4	1039.4	1018.6	971.6	921.4	832.3
47.5	1140.3	1103.7	1115.2	1106.4	1059.0	986.2	883.7	752.9
50.0	1207.4	1189.5	1169.5	1126.5	1052.0	951.5	786.6	663.8
52.5	1295.5	1238.0	1200.3	1120.0	1011.3	848.1	675.6	567.2
55.0	1352.7	1286.7	1229.5	1118.2	947.5	707.5	523.5	366.3
57.5	1391.6	1302.3	1225.4	1074.1	758.2	482.0	297.5	208.6
60.0	1345.7	1250.0	1138.6	888.5	511.2	302.3	207.9	169.7
62.5	1264.9	1155.6	1008.5	639.7	338.9	224.2	175.5	140.8
65.0	1160.4	1041.7	821.5	418.3	237.3	178.8	142.4	120.5
67.5	1056.0	901.8	576.9	271.1	173.5	141.6	121.8	104.2
70.0	986.9	766.2	370.8	179.5	131.1	109.7	98.7	87.6
72.5	816.0	550.8	238.5	118.0	81.3	66.0	59.3	55.0
75.0	500.1	290.2	127.5	67.8	49.0	41.9	38.2	37.2
77.5	168.5	107.7	53.7	33.6	26.9	25.9	23.9	24.4
80.0	42.9	34.9	25.4	17.8	15.3	14.8	14.6	15.6
82.5	14.5	11.9	9.5	8.1	7.1	6.8	6.9	7.5
85.0	7.0	5.8	4.6	4.0	3.7	3.5	3.4	3.6
87.5	3.8	3.3	2.8	2.5	2.3	2.2	2.1	2.2
90.0	3.4	3.0	2.7	2.4	2.3	2.1	2.0	2.0

G/C [cd]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1019.1	1004.3	994.5	1023.3	1037.9	1034.1	1038.9	1039.7
5.0	1011.0	973.9	915.4	915.6	932.2	931.7	935.5	937.5
7.5	976.6	956.8	942.5	965.3	978.4	972.1	963.8	951.3
10.0	970.4	924.7	859.6	837.3	852.1	875.7	897.6	875.5
12.5	901.3	872.4	885.8	923.4	958.8	953.8	917.9	855.4
15.0	989.9	926.4	866.2	847.6	877.5	855.9	811.2	810.2
17.5	929.4	867.7	835.0	822.7	843.8	805.2	756.7	756.5
20.0	897.6	830.5	757.2	769.8	792.6	762.2	756.7	751.2
22.5	839.6	784.3	749.2	761.7	792.1	790.6	773.3	777.5
25.0	791.6	783.3	763.0	771.3	810.4	797.6	792.4	775.8
27.5	810.9	806.2	775.8	779.3	790.6	793.6	780.8	770.0
30.0	830.8	793.9	776.3	767.5	793.1	783.8	767.8	752.9
32.5	815.0	792.4	759.5	753.7	768.0	753.7	732.4	711.0
35.0	814.2	777.5	740.1	727.6	726.3	703.2	674.1	660.5
37.5	805.9	760.7	711.0	684.7	674.6	654.5	634.9	623.6
40.0	808.2	740.4	676.4	648.7	633.9	613.1	590.5	579.5
42.5	786.8	701.7	636.2	602.3	585.0	566.1	546.8	534.3
45.0	728.8	649.3	578.2	547.3	529.7	513.9	493.1	478.0
47.5	656.0	580.7	518.7	488.8	468.5	445.4	411.2	385.6
50.0	576.2	510.7	445.9	396.9	360.0	325.6	292.7	274.7

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	467.5	368.3	294.7	259.6	240.5	225.2	213.2	206.4
55.0	264.1	214.7	195.6	191.3	186.3	180.3	172.5	163.7
57.5	178.3	168.2	159.7	157.7	147.9	137.1	131.3	130.1
60.0	148.1	135.1	121.8	119.3	118.8	118.3	118.5	118.8
62.5	114.5	107.0	104.4	105.7	105.7	105.9	106.5	107.5
65.0	102.2	93.1	89.4	91.1	92.6	94.1	95.7	97.9
67.5	86.6	78.3	76.3	78.1	80.1	82.3	85.6	89.4
70.0	76.6	65.5	65.5	67.3	69.5	71.6	74.8	79.3
72.5	50.5	50.5	52.0	55.2	58.0	60.3	63.0	66.0
75.0	36.4	38.2	40.7	43.4	46.2	47.2	49.2	50.7
77.5	25.4	27.6	30.9	32.9	33.9	33.1	33.1	33.4
80.0	17.8	20.3	22.3	23.3	24.1	23.1	21.6	21.1
82.5	8.3	9.0	10.8	12.3	13.1	11.8	11.0	11.1
85.0	3.8	4.0	4.2	4.2	4.4	4.0	3.9	4.1
87.5	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9
90.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.7

G/C [cd]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1025.8	1037.9	1032.1	1027.6	1042.9	1050.0	1041.2	1042.2
5.0	930.7	971.4	998.7	988.7	997.0	1004.0	998.0	993.5
7.5	910.6	919.9	913.1	883.7	896.8	890.0	882.7	883.0
10.0	876.2	880.0	882.0	866.4	905.3	906.3	911.9	890.0
12.5	800.6	807.4	799.6	765.2	795.6	802.4	813.7	783.1
15.0	792.9	783.8	776.0	731.3	726.8	731.3	731.3	695.4
17.5	745.7	732.9	727.6	694.2	726.3	740.9	728.1	701.5
20.0	741.4	744.7	758.7	740.6	764.7	768.3	764.2	750.4
22.5	778.3	772.8	783.3	757.5	779.8	781.1	782.8	756.7
25.0	767.3	770.8	773.5	750.2	782.6	789.6	788.1	762.7
27.5	768.3	769.0	772.8	746.9	770.8	774.8	770.8	740.6
30.0	743.7	737.9	733.6	718.0	737.1	741.4	743.1	714.0
32.5	695.7	691.7	693.2	687.4	709.3	707.5	698.2	668.6
35.0	649.3	647.2	658.0	653.3	667.6	667.6	654.3	624.6
37.5	610.3	605.3	606.3	603.1	612.6	610.8	602.1	574.9
40.0	565.6	558.1	556.9	546.8	554.6	553.6	545.6	521.7
42.5	519.7	508.4	502.9	491.1	492.8	489.6	480.0	456.7
45.0	458.2	439.6	426.3	409.0	404.2	397.7	387.9	368.3
47.5	362.8	342.2	327.6	313.8	309.6	304.5	295.5	281.2
50.0	261.1	249.1	241.8	236.5	236.3	233.2	226.2	215.4
52.5	200.6	193.8	189.1	184.3	182.5	177.5	169.7	161.9
55.0	153.7	145.4	142.4	144.1	147.4	148.6	146.9	144.4
57.5	129.0	129.3	130.3	131.3	132.8	133.3	133.1	134.6
60.0	118.0	117.7	121.0	134.1	156.4	181.0	199.6	217.2
62.5	109.7	117.7	134.3	154.9	182.0	208.1	230.0	252.3
65.0	103.4	116.7	136.6	164.4	195.3	221.2	241.3	254.6
67.5	95.7	108.7	130.8	160.4	189.3	209.1	221.4	220.7
70.0	84.4	95.4	113.0	135.8	155.2	165.5	166.7	161.4
72.5	69.0	74.6	81.8	92.9	105.7	114.2	119.5	119.5
75.0	52.5	54.5	57.0	63.0	72.6	81.6	89.4	93.4
77.5	33.9	36.7	41.9	50.5	59.3	65.0	69.8	75.6
80.0	22.1	26.6	33.4	40.4	45.9	46.7	49.0	52.7
82.5	13.3	18.6	25.2	31.4	36.0	36.5	37.0	38.4
85.0	5.6	7.6	9.3	11.6	13.7	13.5	12.3	11.4
87.5	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6
90.0	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1020.8	1000.2	1011.0	1062.5	1081.3	1032.6	990.2	994.5
5.0	959.3	955.8	971.6	1024.3	1044.2	997.7	961.3	960.8
7.5	863.7	851.4	844.3	886.3	900.8	853.4	818.7	835.5
10.0	890.8	875.2	871.4	921.9	910.9	862.2	843.1	852.4
12.5	746.2	757.0	761.0	801.9	826.5	763.5	729.3	755.2
15.0	680.9	703.5	717.0	749.2	753.2	704.7	686.9	718.5
17.5	674.9	674.9	697.5	734.1	746.2	692.9	657.5	672.9
20.0	727.3	735.4	760.2	805.9	808.9	759.7	727.3	730.6
22.5	735.1	733.4	751.2	789.6	794.9	745.2	715.5	727.8
25.0	743.1	746.9	767.3	805.7	809.4	754.7	725.3	737.6
27.5	717.3	724.1	742.4	778.0	778.0	729.8	704.5	716.0
30.0	688.4	688.4	705.7	735.9	740.1	694.9	672.6	681.9
32.5	643.5	642.0	659.0	689.9	690.9	651.5	627.9	632.2
35.0	604.3	601.5	613.1	640.0	642.0	603.8	583.7	593.8
37.5	554.3	552.6	562.6	586.2	588.0	551.1	533.8	543.6
40.0	502.6	501.4	510.7	532.0	533.3	500.6	485.3	493.8
42.5	439.4	436.6	442.4	458.4	459.2	432.6	421.5	431.1
45.0	351.7	348.0	351.7	364.0	364.3	344.7	337.7	346.7
47.5	269.9	267.4	269.9	278.2	277.9	262.9	257.1	263.1
50.0	208.4	206.6	208.4	214.2	212.9	202.4	198.1	202.1
52.5	157.9	157.4	159.4	163.2	163.2	155.9	151.9	153.9
55.0	143.1	143.6	145.9	150.1	151.4	145.1	141.1	141.9
57.5	141.1	149.9	158.7	169.5	175.2	167.2	156.2	149.4
60.0	229.2	237.8	242.8	255.3	262.1	254.1	236.3	222.2
62.5	264.1	261.1	256.3	264.9	272.9	265.6	254.3	246.8
65.0	253.3	237.0	223.2	224.5	230.0	226.2	225.0	231.7
67.5	205.1	184.5	169.2	168.2	172.5	170.2	172.0	183.8
70.0	148.6	132.6	121.8	121.3	124.8	122.0	122.0	130.1
72.5	114.5	107.0	100.9	102.2	105.7	102.4	100.7	103.4
75.0	94.1	90.4	87.9	91.6	96.2	92.4	88.6	88.4
77.5	78.6	77.3	77.3	82.6	86.9	82.3	77.6	75.6
80.0	54.7	52.7	52.0	55.5	59.5	56.7	53.5	53.0
82.5	38.9	36.5	34.9	35.9	39.2	38.5	37.4	37.9
85.0	11.1	10.3	9.6	9.5	10.3	10.3	10.2	11.0
87.5	1.5	1.5	1.4	1.4	1.3	1.3	1.4	1.5
90.0	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2

G/C [cd]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1019.1	1044.7	1034.9	1028.6	1025.3	1026.9	1032.1	1020.3
5.0	982.9	1005.0	984.2	991.2	983.7	974.4	971.1	976.6
7.5	897.3	923.7	912.1	906.8	916.9	937.2	943.2	918.9
10.0	897.8	926.7	896.3	895.3	878.5	896.8	882.2	877.7
12.5	777.0	789.8	808.9	811.7	798.1	814.2	840.3	858.6
15.0	712.3	739.9	740.1	741.4	738.9	763.2	775.0	782.3
17.5	681.4	711.3	710.0	720.1	711.3	717.0	732.4	740.6
20.0	738.9	765.0	752.7	745.7	733.9	738.9	733.9	740.1
22.5	746.9	776.5	776.5	765.7	754.7	764.0	772.5	767.8
25.0	753.2	780.8	777.8	771.8	760.0	761.2	768.3	766.2
27.5	731.6	759.0	761.7	754.9	745.9	753.9	764.5	765.0
30.0	701.5	733.6	737.4	723.3	714.8	724.6	731.1	739.1
32.5	649.8	680.9	688.2	688.7	690.2	693.7	694.2	697.5
35.0	613.1	640.5	649.3	652.5	654.0	666.1	667.8	658.8
37.5	562.4	590.0	599.8	602.8	609.1	621.1	620.6	624.4
40.0	512.7	538.5	546.6	549.3	554.3	564.6	570.2	576.4
42.5	449.7	474.0	484.8	490.3	497.4	508.7	515.2	527.7

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	364.0	386.6	398.9	405.7	416.0	430.6	444.1	462.0
47.5	275.7	293.2	304.3	311.6	321.1	332.7	347.2	366.8
50.0	210.9	222.7	230.5	236.3	242.0	245.3	251.1	261.1
52.5	158.4	167.5	175.0	182.0	188.0	191.8	195.1	199.1
55.0	143.9	148.6	150.1	149.9	149.9	147.4	146.4	151.9
57.5	144.6	141.9	139.1	135.3	133.3	132.3	131.6	131.8
60.0	214.9	204.9	190.8	167.5	144.9	126.5	119.5	120.3
62.5	243.3	233.2	215.2	187.8	164.7	147.6	128.0	115.5
65.0	243.0	245.5	231.0	205.1	178.0	158.4	132.3	115.2
67.5	203.1	218.9	213.9	197.6	178.5	157.4	130.1	108.5
70.0	144.1	156.2	161.9	158.9	150.6	137.1	115.7	95.2
72.5	110.0	115.2	114.2	109.5	102.7	95.9	85.4	74.8
75.0	91.9	91.6	87.6	80.3	71.6	63.0	57.7	55.2
77.5	76.3	74.8	71.1	65.8	58.5	49.2	40.9	36.4
80.0	54.2	52.7	50.2	48.5	44.7	38.9	31.4	25.1
82.5	39.8	40.4	39.7	38.0	35.4	30.7	24.1	17.5
85.0	12.5	13.3	13.8	13.7	12.7	10.8	9.5	7.5
87.5	1.5	1.6	1.7	1.8	1.8	1.8	1.9	1.9
90.0	1.3	1.3	1.4	1.5	1.5	1.6	1.6	1.7

G/C [cd]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1028.9	1017.3	1031.9	1024.3	1011.5	1010.5	990.7	1012.5
5.0	989.2	972.6	989.7	985.7	976.6	979.1	972.4	1011.0
7.5	921.9	916.1	962.6	964.1	961.8	973.9	959.1	968.9
10.0	881.7	890.0	907.1	921.7	910.4	907.1	917.1	944.5
12.5	864.2	873.5	921.4	935.2	933.5	931.2	914.9	920.9
15.0	803.9	818.0	838.1	866.2	887.8	903.3	907.3	938.0
17.5	761.5	763.7	790.1	818.0	849.9	868.2	879.2	897.8
20.0	756.5	752.2	766.5	769.3	794.6	809.9	821.7	862.9
22.5	774.8	760.5	773.5	772.8	775.3	776.5	786.8	825.0
25.0	769.0	770.0	790.3	795.6	791.4	791.6	785.3	809.4
27.5	770.0	766.0	780.6	783.8	784.6	794.9	798.6	815.2
30.0	749.4	752.2	774.3	776.8	779.6	784.6	792.4	807.4
32.5	704.7	714.8	740.1	753.7	762.0	770.8	780.1	796.6
35.0	659.3	662.6	685.9	708.0	727.3	747.9	763.0	784.6
37.5	622.6	628.2	646.2	659.5	679.1	710.0	741.6	776.0
40.0	580.2	588.5	608.6	625.4	642.0	667.8	705.2	759.7
42.5	532.3	544.3	564.4	576.4	597.0	628.7	668.3	731.9
45.0	473.5	488.3	510.4	525.2	543.8	573.9	617.4	683.4
47.5	383.6	407.5	437.9	462.5	485.3	515.7	552.1	615.9
50.0	273.4	293.2	320.6	351.2	390.9	438.9	486.1	542.5
52.5	203.9	211.1	221.2	233.2	251.8	285.2	340.7	429.1
55.0	160.4	170.0	177.3	182.3	187.0	191.3	203.4	239.8
57.5	132.3	133.1	134.3	143.1	154.4	159.7	165.2	172.2
60.0	121.3	121.5	120.0	120.0	120.8	121.3	131.8	144.6
62.5	110.5	109.7	108.7	108.0	107.7	106.5	108.0	111.0
65.0	103.7	98.9	97.2	95.7	94.7	92.6	93.9	97.7
67.5	95.9	90.4	86.9	84.6	81.6	77.3	77.3	81.3
70.0	84.6	80.3	75.1	71.8	69.3	66.8	65.8	66.0
72.5	68.8	65.8	64.0	61.3	58.7	55.7	53.7	52.7
75.0	53.0	51.5	50.5	49.2	47.7	44.7	42.7	40.7
77.5	34.9	34.9	35.1	35.7	35.7	34.4	32.9	29.6
80.0	21.8	21.3	22.8	24.1	24.9	24.1	23.3	20.8
82.5	13.4	11.7	11.9	12.8	13.8	13.7	12.8	10.5
85.0	5.5	4.1	4.0	4.2	4.7	4.7	4.8	4.5
87.5	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	1.7	1.7	1.8	1.9	1.9	1.9	2.0	2.0

G/C [cd]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1012.5	997.7	1005.5	1014.6	1007.5	995.0	1000.0	1007.0
5.0	1013.3	1000.2	1008.0	1019.1	1024.6	1023.8	1025.6	1026.9
7.5	965.6	964.3	1011.3	1023.3	1025.3	1025.6	1048.9	1047.4
10.0	958.3	982.7	1013.8	1036.9	1033.4	1021.8	1036.4	1041.4
12.5	947.3	959.8	965.8	1007.5	1011.3	1020.3	1065.8	1067.8
15.0	989.7	983.7	990.4	998.7	1004.5	1008.0	1052.5	1078.6
17.5	965.1	981.4	1004.0	1027.9	1026.4	1036.6	1042.7	1064.0
20.0	923.7	941.2	979.7	1040.4	1065.8	1060.0	1059.0	1062.3
22.5	869.7	898.8	950.8	1017.3	1051.2	1077.6	1081.8	1087.9
25.0	816.5	851.6	900.6	981.7	1030.4	1062.8	1101.7	1131.5
27.5	822.0	837.0	863.4	933.0	994.2	1043.4	1091.1	1145.1
30.0	823.5	835.0	859.1	888.0	953.0	1014.8	1078.3	1150.6
32.5	809.7	835.8	859.1	886.8	931.4	985.9	1069.0	1149.6
35.0	801.4	831.0	867.2	899.8	926.2	977.1	1052.7	1137.3
37.5	796.1	831.0	868.7	902.6	932.5	958.8	1035.6	1127.0
40.0	793.9	834.5	868.7	910.6	937.7	966.3	1034.6	1111.2
42.5	791.6	851.6	891.5	922.9	945.3	974.6	1017.3	1101.7
45.0	755.5	853.9	922.9	967.1	984.2	994.0	1029.6	1102.9
47.5	686.7	796.6	907.6	994.2	1041.9	1073.0	1094.4	1113.0
50.0	603.8	706.5	835.3	962.1	1046.2	1106.9	1170.2	1197.6
52.5	510.2	608.1	733.9	889.3	1022.3	1100.9	1191.8	1259.1
55.0	317.8	456.4	611.1	783.1	971.9	1101.9	1218.9	1307.5
57.5	184.8	242.5	383.1	602.1	867.7	1080.8	1224.7	1344.7
60.0	153.9	175.5	236.0	387.9	650.8	965.3	1169.7	1309.3
62.5	124.8	153.9	186.3	258.8	448.7	774.5	1057.0	1231.5
65.0	107.5	126.5	153.1	197.3	300.8	565.1	930.4	1129.5
67.5	94.1	112.0	129.3	153.7	204.1	384.1	748.9	991.7
70.0	69.3	81.8	101.4	121.8	150.9	248.3	562.4	894.8
72.5	54.5	58.0	63.5	75.1	100.7	159.4	395.2	763.2
75.0	40.2	40.9	43.9	50.5	61.0	93.1	228.2	488.8
77.5	27.4	27.1	29.1	32.9	36.4	48.0	92.4	201.4
80.0	18.3	17.1	17.6	19.1	19.8	24.6	36.9	53.7
82.5	9.5	9.0	8.6	8.8	9.4	10.3	12.5	15.6
85.0	4.5	4.3	4.2	4.3	4.5	5.0	5.9	7.1
87.5	2.4	2.4	2.4	2.4	2.5	2.8	3.2	3.7
90.0	2.1	2.1	2.1	2.1	2.2	2.4	2.7	2.9

G/C [cd]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1019.3	1034.6	1034.4	1034.9	1042.2	1056.0	1056.5	1061.0
5.0	1026.4	1033.1	1038.4	1039.4	1037.1	1040.9	1035.9	1048.7
7.5	1044.4	1046.4	1038.2	1024.6	1021.1	1036.9	1043.4	1042.4
10.0	1037.4	1058.5	1057.5	1065.0	1060.7	1060.7	1051.2	1048.2
12.5	1082.6	1100.2	1095.1	1080.3	1073.3	1070.5	1058.2	1077.1
15.0	1102.9	1122.8	1112.0	1092.6	1084.1	1103.9	1091.9	1083.8
17.5	1092.4	1146.4	1147.4	1138.3	1130.3	1125.3	1106.9	1104.2
20.0	1094.4	1147.4	1180.8	1165.2	1152.4	1144.6	1149.1	1132.8
22.5	1111.2	1147.1	1180.0	1189.3	1198.6	1189.0	1164.9	1144.4
25.0	1126.0	1151.1	1181.0	1220.2	1224.2	1209.9	1182.0	1158.2
27.5	1155.9	1163.9	1187.8	1224.2	1248.5	1231.7	1202.8	1173.7
30.0	1186.0	1190.8	1203.4	1235.0	1278.2	1262.1	1228.2	1194.1
32.5	1203.4	1228.7	1228.7	1251.6	1301.5	1295.2	1257.8	1220.4
35.0	1216.9	1265.9	1254.8	1273.6	1320.1	1329.4	1287.7	1245.3

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	1211.1	1288.7	1283.9	1290.5	1328.6	1352.7	1308.3	1263.1
40.0	1195.1	1285.2	1311.3	1306.3	1338.2	1373.6	1327.4	1281.2
42.5	1187.8	1286.5	1331.9	1325.9	1344.2	1384.1	1336.2	1287.7
45.0	1176.0	1272.6	1346.2	1344.7	1350.5	1395.4	1347.0	1300.0
47.5	1174.7	1260.3	1349.7	1358.8	1361.5	1402.9	1360.0	1311.8
50.0	1227.2	1261.3	1343.4	1375.6	1380.9	1414.5	1375.6	1330.6
52.5	1324.4	1358.0	1398.2	1436.3	1437.3	1449.4	1416.8	1372.6
55.0	1383.4	1454.2	1482.5	1515.4	1506.9	1496.6	1459.9	1410.7
57.5	1406.2	1504.6	1561.9	1592.5	1562.9	1518.9	1465.5	1409.7
60.0	1399.9	1489.3	1549.1	1587.5	1540.8	1460.7	1388.1	1327.9
62.5	1330.4	1428.3	1495.8	1538.0	1498.6	1379.6	1280.4	1218.9
65.0	1224.7	1311.3	1380.1	1427.8	1413.7	1278.9	1143.3	1083.3
67.5	1103.2	1189.3	1266.9	1329.1	1326.4	1194.8	1031.6	977.1
70.0	1039.4	1134.1	1223.4	1279.7	1289.2	1170.0	952.3	895.8
72.5	924.2	999.2	1053.2	1097.7	1123.3	1076.1	871.9	776.8
75.0	645.2	713.8	755.7	793.9	844.6	863.2	771.5	668.1
77.5	262.1	299.0	323.4	342.7	374.1	406.0	422.5	410.2
80.0	62.0	67.8	69.0	71.6	72.6	73.1	71.8	69.5
82.5	17.6	19.8	21.7	22.6	23.2	24.3	26.0	26.5
85.0	8.1	9.1	9.9	10.6	10.9	10.9	11.6	11.7
87.5	4.1	4.4	4.6	4.6	4.7	4.2	3.8	3.5
90.0	3.0	3.2	3.2	3.1	2.9	2.2	1.6	1.1

G/C [cd]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1060.5	1058.5	1054.7	1061.0	1060.2	1065.5	1068.0	1067.3
5.0	1057.5	1059.0	1066.0	1065.0	1056.0	1054.0	1053.2	1050.0
7.5	1036.9	1078.3	1068.3	1065.3	1050.0	1041.4	1037.1	1031.6
10.0	1052.0	1081.3	1069.8	1059.2	1039.4	1025.3	1019.3	1010.3
12.5	1070.5	1084.8	1065.5	1049.7	1025.3	1009.8	996.7	982.2
15.0	1082.3	1080.3	1058.5	1039.2	1011.5	990.2	970.4	953.8
17.5	1099.9	1082.1	1054.2	1028.6	996.0	970.1	945.5	925.4
20.0	1107.9	1084.1	1054.0	1024.6	984.4	952.3	924.4	903.3
22.5	1115.0	1086.6	1055.2	1020.6	975.6	939.2	907.8	886.8
25.0	1124.3	1091.6	1055.7	1016.6	966.6	924.7	891.5	875.5
27.5	1135.1	1097.2	1058.5	1013.8	958.3	911.9	879.5	870.9
30.0	1151.4	1108.7	1066.3	1014.8	954.5	905.6	874.0	868.4
32.5	1174.2	1127.8	1079.6	1022.8	956.1	902.8	873.5	874.2
35.0	1195.3	1145.9	1093.1	1030.9	959.6	905.1	881.0	885.8
37.5	1211.9	1160.2	1106.4	1040.4	968.6	914.9	896.3	904.6
40.0	1226.4	1170.5	1114.0	1046.4	975.1	924.2	912.6	927.9
42.5	1237.2	1182.5	1123.8	1056.2	984.7	937.5	931.2	947.0
45.0	1245.5	1189.5	1130.8	1063.8	989.2	941.7	940.0	960.1
47.5	1257.1	1201.8	1140.6	1067.3	988.9	939.2	939.0	964.3
50.0	1272.6	1216.2	1151.9	1073.6	991.7	936.5	934.7	961.1
52.5	1314.8	1251.3	1178.0	1087.1	990.7	923.7	913.6	933.2
55.0	1349.5	1277.7	1194.8	1092.9	984.9	907.8	886.5	897.3
57.5	1344.4	1272.1	1185.3	1079.8	965.6	875.2	848.1	859.4
60.0	1268.4	1205.1	1126.8	1026.4	915.1	831.0	813.2	833.0
62.5	1166.4	1107.7	1039.4	952.3	853.9	782.3	775.5	812.7
65.0	1037.9	986.7	926.2	851.4	769.8	710.5	716.3	776.5
67.5	939.7	897.8	843.3	778.5	712.0	667.3	684.9	760.2
70.0	870.2	838.6	798.4	752.7	712.0	695.7	736.9	844.3
72.5	752.2	743.9	742.1	747.9	770.3	821.2	944.3	1186.5
75.0	651.3	657.3	684.9	730.3	802.7	924.2	1135.8	1371.1
77.5	404.2	422.8	462.5	521.0	591.0	652.8	701.7	758.5
80.0	69.3	70.3	76.8	90.6	105.7	129.5	172.0	218.9

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	26.5	27.6	29.1	31.9	35.7	37.1	39.1	42.9
85.0	11.5	12.7	13.7	14.8	15.7	16.2	16.8	16.5
87.5	3.3	4.2	5.0	5.9	6.4	6.6	6.8	6.8
90.0	0.7	1.6	2.5	3.4	4.0	4.3	4.5	4.7

G/C [cd]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1067.0	1062.3	1053.7	1056.5	1060.0	1058.5	1050.7	1036.1
5.0	1046.7	1037.4	1026.9	1028.1	1029.1	1024.8	1011.8	994.2
7.5	1025.3	1010.3	995.5	991.5	988.2	978.6	961.1	941.2
10.0	997.0	976.4	957.6	949.3	942.7	931.7	915.6	898.3
12.5	966.6	943.2	923.2	914.1	908.9	903.1	893.3	881.7
15.0	936.0	910.9	892.3	889.3	893.8	894.5	889.0	880.7
17.5	907.8	885.5	876.2	879.7	889.3	894.0	887.3	881.7
20.0	889.5	875.0	869.9	876.7	888.5	893.5	890.0	884.7
22.5	878.7	869.9	867.9	876.7	888.5	896.0	892.0	888.0
25.0	874.2	869.4	868.4	877.7	890.5	899.8	896.3	893.8
27.5	875.5	871.2	871.2	883.7	897.8	908.1	906.6	902.6
30.0	876.2	873.5	875.7	888.8	905.3	918.1	920.4	917.6
32.5	884.2	881.5	885.3	901.1	918.1	931.4	934.7	931.7
35.0	896.0	894.5	902.3	919.1	935.5	949.5	951.5	948.0
37.5	917.6	919.9	930.7	945.5	958.6	968.6	969.4	963.1
40.0	944.5	946.5	955.8	968.9	984.4	994.2	991.7	982.2
42.5	966.3	968.9	977.6	992.7	1007.3	1014.8	1010.3	1001.0
45.0	982.7	988.7	998.0	1011.0	1025.6	1032.6	1031.1	1027.1
47.5	991.7	1000.7	1013.0	1024.8	1041.4	1050.5	1059.7	1081.8
50.0	989.2	996.2	1013.0	1032.1	1055.5	1087.6	1125.0	1163.9
52.5	956.8	966.6	987.4	1013.3	1065.8	1136.3	1202.6	1261.6
55.0	919.1	933.5	965.3	1027.1	1121.5	1222.4	1308.0	1349.7
57.5	885.8	914.6	979.1	1080.3	1206.6	1320.3	1383.9	1373.8
60.0	870.2	929.2	1030.9	1157.4	1284.9	1364.0	1371.3	1320.6
62.5	872.4	967.1	1092.9	1215.9	1304.3	1318.6	1276.4	1185.8
65.0	872.4	995.0	1129.3	1230.5	1265.6	1221.4	1124.3	975.6
67.5	877.0	1023.3	1152.1	1210.6	1191.8	1091.6	943.5	739.1
70.0	1020.8	1210.4	1322.6	1302.0	1187.5	1011.8	786.6	526.0
72.5	1479.8	1677.4	1702.7	1603.0	1418.8	1131.3	740.6	383.1
75.0	1571.4	1608.8	1548.1	1421.8	1216.7	872.7	454.7	178.8
77.5	794.1	788.6	770.0	703.5	518.4	256.8	115.2	73.6
80.0	236.5	203.4	162.4	133.1	99.2	58.2	38.2	31.9
82.5	47.2	48.5	44.3	37.0	29.6	24.3	21.0	20.0
85.0	15.9	15.3	14.2	13.2	12.1	11.3	10.8	10.7
87.5	6.8	6.7	6.5	6.3	6.2	6.2	6.2	6.3
90.0	4.8	4.8	4.8	4.9	4.9	4.9	5.1	5.2

G/C [cd]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1036.6	1051.2	1028.6	1013.5	1018.6	1041.7	1039.2	1027.9
5.0	996.0	1008.3	977.4	960.3	963.6	982.7	975.4	962.3
7.5	943.2	950.8	915.6	897.3	901.6	920.7	914.1	902.8
10.0	903.6	913.6	881.0	866.9	878.0	900.1	897.6	889.0
12.5	891.5	905.6	873.7	861.9	873.7	898.3	896.3	888.5
15.0	893.0	908.9	878.0	865.4	876.7	902.3	900.1	891.8
17.5	897.6	916.9	884.0	871.7	884.7	909.9	911.6	903.1
20.0	899.8	920.1	888.3	877.7	893.3	918.1	919.4	911.4
22.5	904.6	924.7	892.8	881.7	896.0	920.7	924.7	916.4
25.0	910.9	931.4	898.6	886.8	902.6	930.7	935.5	925.9
27.5	919.6	942.2	911.1	898.6	914.4	942.5	945.8	936.5

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	934.7	956.1	923.9	909.9	923.2	952.5	954.5	945.0
32.5	947.8	969.4	937.2	918.6	935.0	963.1	965.6	955.8
35.0	963.1	987.4	954.8	937.2	953.0	983.4	987.2	977.9
37.5	981.7	1005.8	974.4	958.1	974.4	1006.5	1014.3	1013.0
40.0	996.7	1022.6	993.2	979.4	1003.8	1043.2	1057.2	1055.7
42.5	1016.8	1050.2	1033.1	1028.4	1055.7	1099.4	1114.7	1116.7
45.0	1058.5	1114.5	1105.2	1099.4	1132.8	1181.5	1195.3	1189.3
47.5	1134.6	1206.9	1207.6	1193.6	1220.4	1267.1	1266.4	1243.3
50.0	1233.0	1313.8	1314.1	1277.7	1279.4	1306.8	1287.5	1240.0
52.5	1328.6	1395.7	1373.1	1300.3	1276.4	1278.2	1233.2	1142.1
55.0	1376.3	1404.5	1347.0	1251.1	1192.1	1128.5	993.2	818.5
57.5	1355.0	1347.0	1252.8	1095.1	938.2	773.5	575.2	420.0
60.0	1264.6	1205.1	1022.3	766.7	558.9	393.9	288.2	247.8
62.5	1077.6	918.9	659.3	424.0	283.5	223.2	199.6	185.5
65.0	782.1	561.6	340.7	216.4	173.0	161.7	156.9	153.1
67.5	503.4	298.8	177.5	141.1	135.3	135.1	137.3	136.8
70.0	298.8	169.0	126.0	115.7	114.2	115.0	117.0	117.7
72.5	173.5	114.5	102.2	97.7	96.9	96.7	96.2	93.6
75.0	96.7	86.9	82.9	81.3	80.3	79.1	78.3	78.6
77.5	65.0	64.8	65.0	64.5	63.0	61.3	60.3	61.5
80.0	30.1	31.6	33.6	38.2	40.9	39.4	38.4	39.7
82.5	19.5	19.6	20.2	21.9	23.1	23.2	24.2	24.1
85.0	10.8	10.7	10.9	11.0	11.1	11.2	11.7	12.1
87.5	6.3	6.3	6.3	6.4	6.5	6.6	6.7	6.7
90.0	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.5

G/C [cd]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1032.6	1022.6	1041.7	1034.9	1030.6	1030.1	1038.4	1027.4
5.0	964.3	951.0	968.9	960.6	953.8	947.8	954.3	940.7
7.5	905.3	893.5	914.9	908.6	900.6	894.0	902.6	890.0
10.0	892.3	881.0	904.6	899.6	892.3	886.3	893.8	880.7
12.5	894.0	883.2	907.1	903.6	892.3	889.3	897.8	886.5
15.0	900.3	889.5	912.6	910.4	902.3	901.1	907.6	895.0
17.5	910.6	897.8	923.2	921.9	913.9	912.9	918.4	904.8
20.0	918.4	905.1	928.4	926.9	922.2	922.4	927.2	916.4
22.5	925.7	914.4	938.5	938.5	934.2	933.0	942.0	931.4
25.0	933.5	923.2	947.3	948.8	944.0	943.2	951.8	942.0
27.5	945.0	933.5	957.6	960.1	956.1	956.6	963.8	953.5
30.0	953.5	942.7	967.3	969.6	967.6	970.1	978.9	971.1
32.5	967.6	955.8	983.7	991.2	987.9	993.7	1002.8	995.5
35.0	990.9	983.2	1011.3	1022.8	1020.3	1028.6	1042.7	1037.4
37.5	1031.9	1026.9	1056.7	1066.5	1065.0	1071.8	1081.6	1074.3
40.0	1077.8	1070.5	1100.9	1111.0	1110.0	1119.2	1127.8	1121.5
42.5	1137.1	1130.5	1162.2	1175.0	1166.2	1173.7	1181.8	1169.0
45.0	1209.1	1191.3	1211.4	1219.4	1203.1	1203.9	1201.1	1187.8
47.5	1249.3	1216.2	1220.4	1209.9	1172.5	1154.9	1132.3	1096.4
50.0	1217.4	1160.2	1127.8	1068.5	987.4	924.4	870.4	815.0
52.5	1052.2	919.9	823.5	722.6	619.1	541.0	488.3	451.2
55.0	671.1	522.7	434.8	382.1	345.5	317.8	301.0	286.7
57.5	341.9	298.3	273.9	259.3	245.3	236.0	229.0	223.4
60.0	233.2	220.4	209.6	199.8	190.6	186.5	184.0	181.5
62.5	179.5	175.2	172.2	169.5	165.2	162.9	161.4	158.4
65.0	153.7	153.4	152.4	150.1	145.4	141.9	139.8	138.1
67.5	137.8	136.1	134.1	133.1	134.8	138.6	141.1	141.1
70.0	117.5	117.0	120.8	125.8	127.8	127.8	125.8	121.8
72.5	94.7	103.2	111.2	113.5	109.2	103.7	100.9	98.4

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	83.6	93.6	98.4	96.2	91.6	88.1	86.6	84.1
77.5	66.0	74.8	77.6	75.1	71.3	66.8	63.5	61.5
80.0	42.2	49.2	51.0	49.2	46.7	43.9	41.9	40.4
82.5	24.6	26.4	28.2	27.7	26.4	24.8	23.7	22.9
85.0	12.7	13.5	14.2	14.2	13.9	13.0	12.0	10.9
87.5	6.7	6.8	6.8	6.8	6.7	6.8	6.8	6.8
90.0	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3

G/C [cd]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1008.5	996.2	1018.8	1065.5	1082.3	1016.8	991.2	994.5
5.0	923.4	914.9	937.5	979.1	990.9	927.7	904.3	910.4
7.5	875.2	869.2	889.3	928.4	940.0	877.7	855.6	863.2
10.0	866.2	861.9	881.5	921.4	932.2	867.9	844.8	852.6
12.5	871.9	867.2	885.5	924.4	935.2	870.9	848.1	856.6
15.0	882.7	880.7	899.1	937.2	948.0	882.2	858.9	868.2
17.5	891.3	892.0	912.1	951.5	959.1	890.8	865.7	873.7
20.0	903.3	904.8	925.7	964.6	971.6	900.1	875.0	885.5
22.5	916.9	916.6	939.7	980.4	987.9	916.1	888.8	899.6
25.0	928.7	929.2	952.0	992.7	998.5	925.7	898.8	911.1
27.5	940.7	940.7	962.6	1004.5	1009.8	938.0	909.4	920.9
30.0	958.3	959.8	981.9	1027.6	1032.9	958.3	928.9	940.7
32.5	985.2	986.9	1009.3	1056.0	1059.7	985.7	955.8	967.9
35.0	1025.8	1028.1	1051.2	1100.7	1103.2	1027.4	997.7	1011.3
37.5	1060.2	1061.8	1085.1	1136.6	1139.8	1061.5	1030.4	1043.7
40.0	1108.2	1110.0	1136.6	1190.5	1192.6	1109.5	1075.1	1088.1
42.5	1151.9	1153.9	1180.3	1234.5	1235.5	1150.6	1116.0	1131.8
45.0	1161.4	1150.4	1171.5	1222.2	1221.9	1137.8	1112.5	1132.0
47.5	1051.5	1022.8	1024.6	1062.3	1061.0	987.9	979.1	1008.0
50.0	749.7	705.2	686.2	701.7	699.2	654.3	661.6	690.9
52.5	416.3	389.1	381.4	390.2	393.4	373.1	377.6	390.7
55.0	272.7	261.4	260.4	265.4	264.6	253.6	252.1	258.3
57.5	213.9	208.6	209.9	214.4	215.2	206.9	203.4	206.1
60.0	176.2	174.0	176.2	181.3	182.5	175.5	172.5	173.5
62.5	153.4	150.1	151.4	155.7	156.9	150.9	148.4	149.6
65.0	134.8	134.1	137.1	142.6	144.4	137.6	134.1	133.6
67.5	137.6	135.6	136.3	141.1	144.6	138.3	134.6	133.8
70.0	114.0	108.7	106.2	109.5	112.0	108.0	105.7	106.2
72.5	92.6	88.9	87.4	90.6	94.7	90.6	87.9	87.4
75.0	78.6	74.6	72.8	75.1	78.1	76.1	73.8	73.3
77.5	57.2	54.5	52.5	53.5	55.0	54.0	52.7	52.7
80.0	37.9	35.7	34.6	34.9	36.2	35.4	34.9	34.9
82.5	21.4	20.0	19.6	19.6	20.4	19.9	19.7	19.4
85.0	9.6	8.9	8.6	8.5	8.5	8.5	8.5	8.6
87.5	6.7	6.5	6.4	6.3	6.2	6.3	6.4	6.5
90.0	5.3	5.2	5.2	5.1	5.0	5.1	5.2	5.2

G/C [cd]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1019.6	1029.1	1030.9	1029.9	1035.9	1035.6	1028.9	1041.9
5.0	937.2	945.5	945.5	947.5	953.8	959.8	953.8	970.4
7.5	891.3	896.3	893.5	895.0	898.6	903.6	893.3	906.6
10.0	881.5	885.8	882.2	884.7	886.8	890.0	878.5	892.3
12.5	885.0	886.8	883.2	884.0	887.8	892.5	881.2	894.8
15.0	894.5	893.3	892.0	893.3	896.8	900.3	886.5	901.6
17.5	902.1	901.6	899.8	903.1	905.8	909.9	895.3	911.4
20.0	913.1	910.6	908.9	910.9	914.6	918.1	900.8	917.1

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	927.9	922.7	921.4	922.2	923.9	926.9	905.6	923.2
25.0	940.2	934.2	930.7	930.4	934.5	935.0	914.6	930.2
27.5	950.3	946.0	942.2	946.0	946.8	946.3	924.4	938.7
30.0	970.1	965.3	960.1	961.3	956.3	955.5	936.5	950.5
32.5	996.0	991.2	983.4	986.4	979.9	978.4	953.5	964.1
35.0	1040.9	1036.6	1028.4	1025.6	1016.1	1010.5	981.2	991.2
37.5	1074.6	1071.8	1064.0	1066.3	1062.3	1057.2	1032.1	1035.9
40.0	1121.5	1116.7	1109.2	1112.5	1105.7	1100.4	1078.1	1087.1
42.5	1169.0	1165.4	1160.2	1164.2	1159.2	1157.7	1136.8	1149.6
45.0	1176.2	1179.8	1177.5	1186.5	1192.6	1200.1	1189.0	1207.4
47.5	1063.0	1085.1	1102.9	1134.6	1156.7	1181.0	1184.8	1219.7
50.0	741.9	779.6	826.8	896.0	968.4	1040.4	1087.4	1149.6
52.5	414.3	436.6	471.2	516.2	576.7	667.8	771.5	906.8
55.0	270.4	277.9	292.2	311.3	335.4	361.8	398.4	475.5
57.5	213.9	219.4	225.0	232.0	240.3	250.1	260.6	281.2
60.0	178.3	181.8	184.5	187.8	192.6	198.1	206.1	217.2
62.5	154.7	158.4	161.2	163.9	167.2	169.0	171.5	175.2
65.0	136.3	139.1	140.6	142.6	146.1	148.6	152.1	155.2
67.5	136.8	140.3	141.3	138.3	134.3	131.3	133.6	137.3
70.0	112.2	120.0	124.5	127.0	127.8	124.8	119.5	116.7
72.5	91.4	96.9	99.7	102.9	108.7	111.7	109.2	103.2
75.0	77.1	82.6	86.4	89.4	91.6	93.6	96.4	91.4
77.5	55.7	60.0	63.5	67.3	71.3	73.6	75.6	73.6
80.0	36.9	39.7	41.4	44.2	46.7	48.0	49.0	47.7
82.5	20.4	22.0	23.1	24.6	26.1	26.7	26.6	25.5
85.0	9.0	9.7	10.7	12.1	12.5	12.6	12.9	12.6
87.5	6.6	6.7	6.6	6.6	6.5	6.5	6.5	6.4
90.0	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4

G/C [cd]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1030.1	1037.9	1039.7	1041.9	1035.9	1020.1	1030.1	1028.6
5.0	961.3	970.4	972.6	979.9	976.4	964.3	978.1	980.7
7.5	894.8	902.3	903.3	912.6	909.1	900.8	916.9	923.9
10.0	877.5	884.0	884.7	890.3	883.2	872.7	884.7	888.8
12.5	878.2	882.7	884.7	887.5	876.7	866.9	877.2	878.7
15.0	884.7	887.8	891.3	893.8	881.0	872.2	881.5	882.7
17.5	896.0	898.1	899.8	902.1	889.5	879.2	887.0	888.8
20.0	901.6	905.6	907.3	910.9	897.8	887.3	893.3	893.8
22.5	906.8	913.1	912.4	914.1	902.6	895.3	899.8	899.3
25.0	913.6	921.2	919.6	919.9	908.1	898.6	904.1	903.1
27.5	924.7	929.9	929.9	927.9	916.6	908.1	910.4	909.9
30.0	935.0	939.0	937.0	936.5	923.2	915.1	919.4	917.1
32.5	946.3	950.3	946.0	944.3	933.5	925.2	931.4	929.9
35.0	967.3	969.4	964.8	961.3	949.0	939.0	941.7	941.2
37.5	1005.0	998.0	988.4	980.9	965.6	952.8	953.5	951.0
40.0	1056.0	1050.2	1034.4	1014.6	989.9	969.6	966.1	961.6
42.5	1118.7	1117.0	1103.4	1082.8	1048.7	1015.1	998.0	983.7
45.0	1181.5	1191.3	1186.3	1169.7	1140.6	1103.4	1073.3	1037.6
47.5	1213.4	1238.8	1248.3	1246.8	1226.2	1198.8	1174.0	1133.3
50.0	1175.2	1225.9	1260.1	1277.4	1279.7	1271.9	1269.6	1244.8
52.5	1020.6	1124.5	1195.6	1239.0	1259.3	1279.7	1309.3	1321.9
55.0	612.8	789.6	964.8	1092.1	1167.7	1218.7	1267.6	1314.8
57.5	312.1	375.1	517.7	724.3	924.2	1072.8	1180.8	1253.8
60.0	223.7	237.0	258.1	334.7	512.4	742.9	965.3	1117.5
62.5	177.3	184.3	193.8	208.4	245.3	371.3	606.3	855.6
65.0	154.7	155.4	156.4	159.7	169.7	191.3	295.0	519.5

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	138.1	139.6	138.8	136.3	138.6	145.1	159.9	253.3
70.0	116.7	118.8	119.8	117.5	115.5	114.2	120.3	141.1
72.5	96.7	95.9	95.9	95.4	96.7	96.4	98.2	106.5
75.0	80.8	76.8	77.6	78.1	79.3	79.1	78.1	79.6
77.5	65.8	61.8	60.8	62.0	63.5	62.5	59.5	56.5
80.0	42.2	38.9	36.9	37.7	37.4	33.9	31.4	28.9
82.5	24.6	23.7	22.8	22.3	22.1	20.6	18.4	17.7
85.0	11.9	11.3	10.8	10.3	10.0	9.6	9.4	9.4
87.5	6.3	6.3	6.2	6.2	6.1	6.1	6.0	6.0
90.0	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1

G/C [cd]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1044.7	1048.2	1046.4	1055.2	1050.0	1057.2	1058.7	1056.0
5.0	998.0	1003.3	1006.3	1020.3	1018.8	1027.6	1030.9	1032.4
7.5	942.0	948.5	954.5	972.6	978.1	991.2	997.5	1003.5
10.0	901.3	906.6	911.9	929.9	937.5	953.0	964.3	975.1
12.5	886.8	888.0	888.3	899.3	901.6	914.1	924.9	938.2
15.0	888.5	885.5	884.0	892.0	887.8	892.8	897.3	906.3
17.5	893.0	887.8	884.0	889.5	882.0	881.7	881.5	885.8
20.0	896.0	890.3	885.5	890.0	882.0	879.7	876.5	875.7
22.5	901.6	894.8	889.5	893.3	883.5	879.7	876.0	872.4
25.0	905.1	898.1	894.0	898.1	889.3	883.2	877.2	872.4
27.5	912.9	906.6	901.6	903.8	892.5	886.5	878.5	873.5
30.0	918.6	912.1	906.3	909.1	899.1	892.8	883.7	876.0
32.5	929.2	921.4	915.4	918.1	907.8	900.1	891.0	882.0
35.0	940.5	932.7	927.7	930.7	921.2	914.9	905.8	896.5
37.5	949.8	942.7	940.5	945.3	939.5	935.7	927.7	918.6
40.0	957.8	952.5	952.3	958.3	954.0	951.0	945.8	937.0
42.5	975.4	965.6	964.3	971.1	967.9	966.3	962.6	953.3
45.0	1007.8	990.9	986.9	990.2	984.7	983.9	978.9	968.4
47.5	1083.3	1035.9	1012.8	1009.3	1001.0	998.5	993.7	985.2
50.0	1198.1	1130.3	1070.5	1034.1	1012.8	1005.5	997.0	984.2
52.5	1305.5	1252.6	1172.0	1087.1	1017.8	983.9	966.1	953.8
55.0	1338.7	1333.9	1286.5	1192.8	1078.1	995.7	949.3	927.7
57.5	1293.7	1327.4	1340.9	1287.7	1180.5	1062.0	969.4	918.6
60.0	1202.3	1269.1	1317.1	1320.8	1267.9	1160.2	1031.6	937.5
62.5	1026.6	1145.4	1231.7	1276.7	1285.7	1228.0	1107.2	990.7
65.0	753.9	946.0	1092.6	1193.8	1255.6	1256.8	1174.2	1035.6
67.5	472.5	723.3	929.9	1085.4	1194.6	1248.0	1207.6	1079.8
70.0	259.6	516.7	787.8	1017.6	1197.6	1313.3	1339.4	1234.0
72.5	139.6	346.5	735.4	1104.9	1389.6	1575.7	1676.6	1655.3
75.0	87.9	136.3	422.3	842.1	1166.7	1364.0	1488.3	1551.3
77.5	57.5	66.3	102.4	233.0	462.5	601.3	652.8	680.4
80.0	27.6	28.6	34.9	50.7	83.4	103.4	118.0	156.9
82.5	17.5	17.8	18.5	20.2	24.0	30.4	36.6	39.9
85.0	9.4	9.4	9.6	10.0	10.5	11.1	11.7	12.4
87.5	5.9	5.9	5.8	5.7	5.8	5.9	6.0	6.1
90.0	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.1

G/C [cd]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
0.0	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8	1031.8
2.5	1058.0	1057.2	1057.5	1065.3	1062.8	1060.0	1058.7	1056.0
5.0	1038.9	1043.2	1047.4	1059.0	1063.0	1071.3	1079.1	1065.3
7.5	1015.3	1024.3	1031.9	1048.7	1058.5	1072.8	1083.1	1083.1
10.0	990.9	1002.8	1013.5	1032.9	1046.4	1065.0	1079.6	1086.1
12.5	958.1	976.1	990.9	1015.1	1031.9	1054.5	1077.6	1090.6

Intensity [cd] PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / 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	925.9	946.8	966.1	994.0	1015.6	1043.4	1070.3	1088.1
17.5	901.1	921.2	944.8	977.9	1005.0	1037.9	1069.8	1096.6
20.0	885.0	902.1	927.7	965.8	999.7	1035.6	1072.0	1105.2
22.5	877.0	889.0	913.4	955.5	993.7	1034.4	1076.1	1113.0
25.0	874.2	879.7	900.6	944.0	989.4	1036.4	1083.3	1126.3
27.5	873.7	875.0	891.8	936.0	986.4	1039.7	1092.1	1141.1
30.0	876.7	874.7	886.3	928.7	984.4	1043.9	1103.2	1156.7
32.5	881.7	877.0	886.0	927.7	985.9	1051.2	1117.0	1174.2
35.0	894.0	887.5	893.3	931.9	990.9	1061.0	1129.0	1189.5
37.5	912.9	902.8	902.3	938.2	995.0	1066.0	1136.8	1200.1
40.0	932.2	918.1	911.4	940.2	998.5	1070.0	1140.3	1205.4
42.5	947.0	930.4	920.4	943.5	1000.2	1071.3	1140.8	1206.4
45.0	957.8	938.5	923.9	943.2	1003.0	1076.6	1146.6	1212.9
47.5	971.4	944.8	928.9	949.3	1008.5	1083.6	1155.6	1223.9
50.0	973.4	948.0	930.7	952.8	1019.8	1099.2	1175.7	1246.8
52.5	944.3	926.2	919.6	953.8	1031.9	1122.3	1207.4	1286.0
55.0	913.6	895.8	896.8	942.0	1034.9	1129.8	1218.9	1302.0
57.5	895.3	870.4	869.9	915.9	1008.5	1105.7	1194.1	1271.1
60.0	885.5	850.9	839.1	877.5	960.1	1044.7	1126.8	1194.1
62.5	901.1	843.8	817.7	841.3	908.6	979.9	1051.0	1110.2
65.0	916.1	830.8	784.1	792.1	840.6	894.8	949.8	999.7
67.5	921.2	807.7	742.6	737.4	765.7	797.4	839.3	880.5
70.0	1033.4	851.4	741.1	713.0	720.3	725.6	744.2	766.7
72.5	1463.7	1166.7	917.4	797.4	744.9	705.7	686.4	685.7
75.0	1500.6	1272.1	1010.0	832.5	727.8	648.2	593.5	572.9
77.5	687.2	653.5	587.5	524.7	446.1	381.9	344.2	325.6
80.0	196.1	170.2	120.3	88.1	70.3	58.5	51.0	48.2
82.5	39.4	36.5	33.6	32.1	30.5	27.1	24.5	22.8
85.0	13.1	13.3	13.8	13.8	13.3	12.0	10.6	9.6
87.5	6.2	6.2	6.1	6.0	5.6	4.5	3.3	2.3
90.0	5.1	5.0	4.8	4.6	4.2	3.2	1.8	0.8

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006		
Sample Number:	1170-QL16-S25		
Report Number:			
Model:	HYDROCITY 02 24+12 LED 24 STREET OPTIC 12 PEDESTRIAN 802006		
Flux:	3557 lm	Flux 2	0.00 lm
Date:	14/11/2016 17.46.57		
Manufacturer:	PUK ITALIA		

Electrical protocol PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC PEDESTRIA 802006 / C0 to C357.5 in 2.5 - Gamma 0 to 90

[deg]	U [V]	I [A]	P [W]	PF
0.0	230.04	0.266	57.2	0.9347
2.5	230.04	0.266	57.2	0.9347
5.0	230.04	0.266	57.2	0.9347
7.5	230.04	0.266	57.2	0.9347
10.0	230.04	0.266	57.2	0.9347
12.5	230.04	0.266	57.2	0.9347
15.0	230.04	0.266	57.2	0.9347
17.5	230.04	0.266	57.2	0.9347
20.0	230.04	0.266	57.2	0.9347
22.5	230.04	0.266	57.2	0.9346
25.0	230.04	0.266	57.2	0.9347
27.5	230.04	0.266	57.2	0.9346
30.0	230.04	0.266	57.2	0.9347
32.5	230.04	0.266	57.2	0.9347
35.0	230.04	0.266	57.2	0.9346
37.5	230.04	0.266	57.2	0.9347
40.0	230.04	0.266	57.2	0.9346
42.5	230.04	0.266	57.2	0.9346
45.0	230.04	0.266	57.2	0.9346
47.5	230.04	0.266	57.2	0.9346
50.0	230.04	0.266	57.2	0.9346
52.5	230.04	0.266	57.2	0.9346
55.0	230.04	0.266	57.2	0.9347
57.5	230.04	0.266	57.2	0.9347
60.0	230.04	0.266	57.2	0.9347
62.5	230.04	0.266	57.2	0.9346
65.0	230.04	0.266	57.2	0.9346
67.5	230.04	0.266	57.2	0.9347
70.0	230.04	0.266	57.2	0.9346
72.5	230.04	0.266	57.2	0.9346
75.0	230.04	0.266	57.2	0.9346
77.5	230.04	0.266	57.2	0.9346
80.0	230.04	0.266	57.2	0.9346
82.5	230.04	0.266	57.2	0.9346

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Electrical protocol PUK ITALIA 1170-QL16-S25 HYDROCITY 02 LED STREET OPTIC
PEDESTRIA 802006 / C0 to C357.5 in 2.5 - Gamma 0 to 90

[deg]	U [V]	I [A]	P [W]	PF
85.0	230.04	0.266	57.2	0.9346
87.5	230.04	0.266	57.2	0.9346
90.0	230.04	0.266	57.2	0.9346