

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Sample Number:	1170-QL16-S12		
Report Number:			
Model:	HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Flux:	1273 lm	Flux 2	0.00 lm
Date:	11/11/2016 12.20.39		
Manufacturer:	PUK ITALIA		

Protocol

LiTG-class: A60
UTE-class: 1.00 A
IES-class: 96 - 99 - 100 - 100 - 100
TM5-class: BZ1

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	37.0°	39.1°
Half peak side angle (left)	-18.6°	-19.7°
Half peak side angle (right)	18.4°	19.4°
One tenth peak divergence	53.1°	55.3°
Tenth peak side angle (left)	-26.6°	-27.8°
Tenth peak side angle (right)	26.5°	27.4°

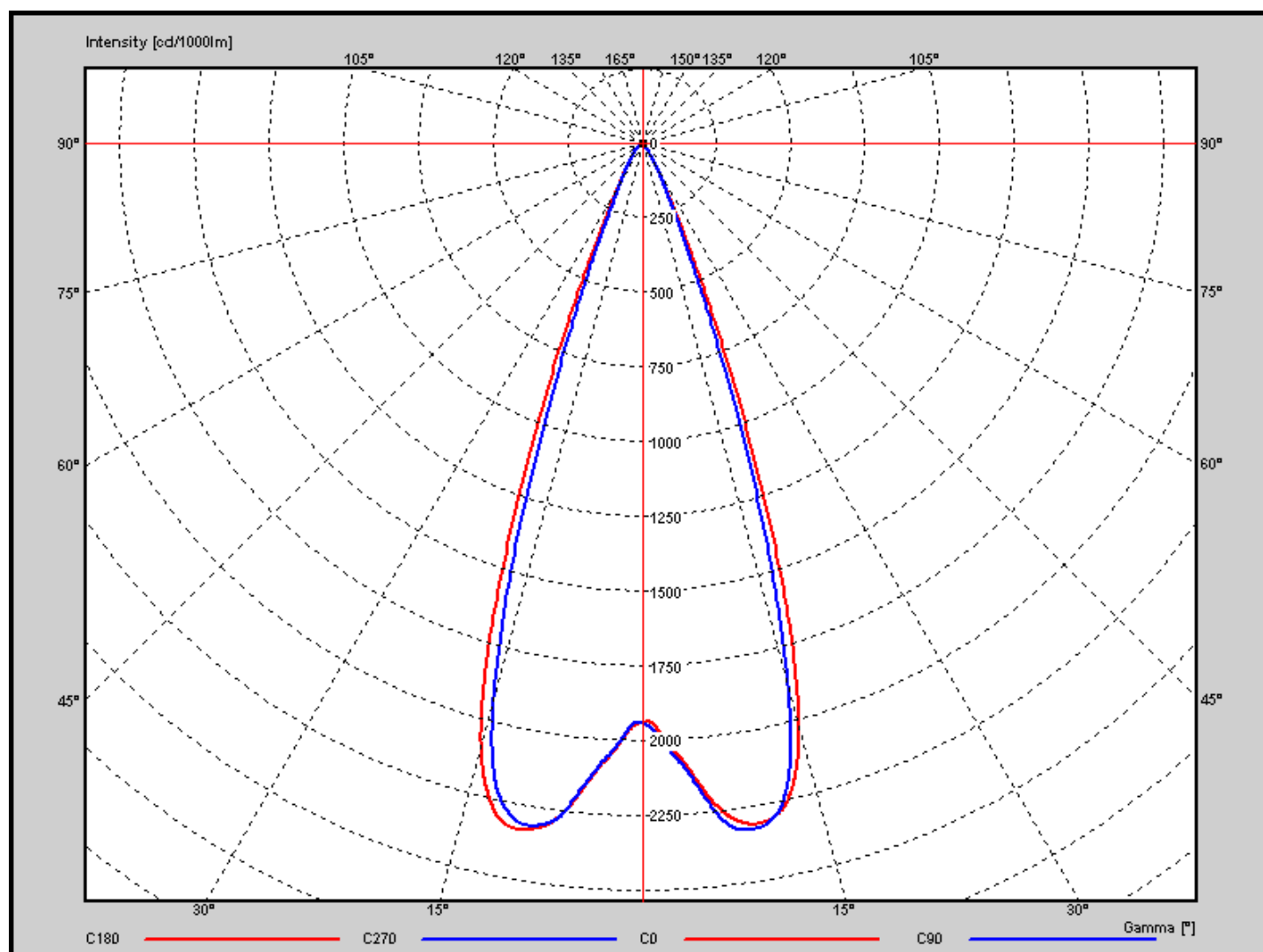
C-planes:	0.0°	5.0°	10.0°	15.0°	20.0°	25.0°	30.0°	35.0°	40.0°	45.0°
	50.0°	55.0°	60.0°	65.0°	70.0°	75.0°	80.0°	85.0°	90.0°	95.0°
	100.0°	105.0°	110.0°	115.0°	120.0°	125.0°	130.0°	135.0°	140.0°	145.0°
	150.0°	155.0°	160.0°	165.0°	170.0°	175.0°	180.0°	185.0°	190.0°	195.0°
	200.0°	205.0°	210.0°	215.0°	220.0°	225.0°	230.0°	235.0°	240.0°	245.0°
	250.0°	255.0°	260.0°	265.0°	270.0°	275.0°	280.0°	285.0°	290.0°	295.0°
	300.0°	305.0°	310.0°	315.0°	320.0°	325.0°	330.0°	335.0°	340.0°	345.0°
	350.0°	355.0°								

Gamma:	0.0°	1.0°	2.0°	3.0°	4.0°	5.0°	6.0°	7.0°	8.0°	9.0°
	10.0°	11.0°	12.0°	13.0°	14.0°	15.0°	16.0°	17.0°	18.0°	19.0°
	20.0°	25.0°	30.0°	35.0°	40.0°	45.0°	50.0°	55.0°	60.0°	65.0°
	70.0°	75.0°	80.0°	85.0°	90.0°					

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File Name:	PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Sample Number:	1170-QL16-S12		
Report Number:			
Model:	HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Flux:	1273 lm	Flux 2	0.00 lm
Date:	11/11/2016 12.20.39		
Manufacturer:	PUK ITALIA		

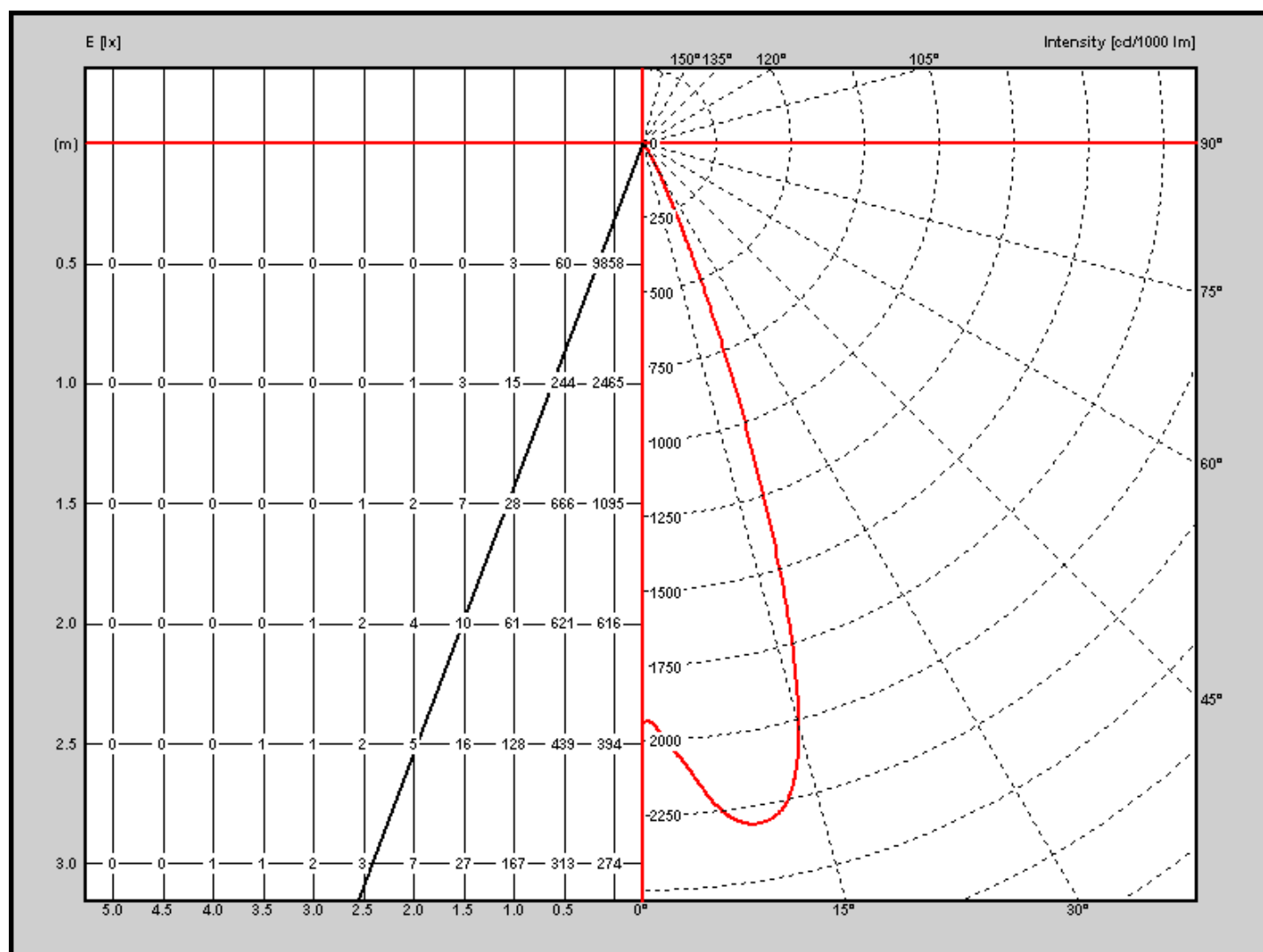
Polar diagram PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90



PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Sample Number:	1170-QL16-S12		
Report Number:			
Model:	HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Flux:	1273 lm	Flux 2	0.00 lm
Date:	11/11/2016 12.20.39		
Manufacturer:	PUK ITALIA		

Illuminance and Intensity diagram PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90



PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Sample Number:	1170-QL16-S12		
Report Number:			
Model:	HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Flux:	1273 lm	Flux 2	0.00 lm
Date:	11/11/2016 12.20.39		
Manufacturer:	PUK ITALIA		

Zonal flux PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / 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	1935.41	1935.41	1935.41	0	0	0.00	0.00
1.0	1934.10	1969.59	1949.21	2	2	0.19	0.19
2.0	1975.50	2012.96	1993.90	7	10	0.57	0.75
3.0	2024.79	2062.25	2044.07	12	22	0.97	1.72
4.0	2076.05	2115.48	2090.56	18	39	1.38	3.10
5.0	2127.31	2180.54	2149.60	23	63	1.82	4.93
6.0	2190.40	2257.43	2216.82	29	92	2.29	7.22
7.0	2241.66	2318.55	2273.34	35	127	2.79	10.01
8.0	2269.26	2354.04	2307.11	42	169	3.28	13.29
9.0	2279.12	2371.78	2322.91	48	217	3.75	17.04
10.0	2277.15	2373.76	2326.03	54	271	4.21	21.24
11.0	2263.35	2361.93	2315.98	59	330	4.64	25.88
12.0	2225.89	2340.24	2284.73	64	394	5.03	30.91
13.0	2162.80	2288.98	2222.68	68	462	5.35	36.26
14.0	2048.45	2212.09	2127.12	71	533	5.57	41.83
15.0	1892.70	2105.62	1992.31	72	605	5.66	47.48
16.0	1695.54	1957.76	1814.52	71	676	5.58	53.06
17.0	1482.61	1772.43	1615.09	68	744	5.34	58.40
18.0	1255.88	1551.62	1389.81	63	807	4.95	63.36
19.0	1031.91	1319.17	1164.01	57	863	4.44	67.80
20.0	829.83	1098.95	951.73	49	913	3.87	71.67
25.0	271.09	353.11	302.58	168	1080	13.16	84.83
30.0	126.04	139.84	131.42	70	1150	5.49	90.32
35.0	69.18	74.88	72.02	38	1188	3.00	93.32
40.0	41.30	45.17	42.85	24	1213	1.92	95.23
45.0	29.99	38.70	34.89	18	1231	1.44	96.67
50.0	20.45	24.37	21.78	15	1246	1.15	97.82
55.0	13.11	16.03	14.37	10	1256	0.79	98.60
60.0	8.36	10.27	9.25	7	1263	0.55	99.15
65.0	5.20	6.41	5.72	5	1267	0.36	99.51
70.0	3.21	3.98	3.56	3	1270	0.24	99.75
75.0	1.79	2.09	1.93	2	1272	0.14	99.89

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Zonal flux PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / 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 [%]
80.0	0.67	0.89	0.81	1	1273	0.07	99.97
85.0	0.06	0.26	0.21	0	1273	0.03	99.99
90.0	0.02	0.02	0.02	0	1273	0.01	100.00

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Flux:	1273 lm	Flux 2	0.00 lm
Date:	11/11/2016 12.20.39		
Manufacturer:	PUK ITALIA		

Intensity [cd/klm] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1938.04	1938.04	1940.01	1947.90	1957.76	1957.76	1959.73	1947.90
2.0	1983.39	1983.39	1983.39	1993.24	2003.10	2005.07	2007.05	1993.24
3.0	2032.68	2030.70	2030.70	2038.59	2048.45	2048.45	2050.42	2040.56
4.0	2078.02	2078.02	2079.99	2087.88	2097.74	2099.71	2099.71	2089.85
5.0	2141.11	2139.14	2137.17	2145.05	2152.94	2154.91	2154.91	2147.03
6.0	2202.23	2198.29	2200.26	2208.14	2216.03	2214.06	2216.03	2210.12
7.0	2253.49	2249.55	2247.58	2255.46	2261.38	2261.38	2265.32	2265.32
8.0	2285.04	2277.15	2275.18	2281.09	2287.01	2285.04	2292.92	2294.89
9.0	2302.78	2292.92	2288.98	2290.95	2296.86	2296.86	2306.72	2312.64
10.0	2304.75	2292.92	2285.04	2285.04	2290.95	2296.86	2310.67	2318.55
11.0	2294.89	2285.04	2271.23	2265.32	2269.26	2281.09	2298.84	2304.75
12.0	2269.26	2255.46	2237.72	2225.89	2231.80	2243.63	2259.41	2263.35
13.0	2219.97	2204.20	2180.54	2162.80	2164.77	2172.66	2186.46	2190.40
14.0	2141.11	2121.40	2089.85	2064.22	2062.25	2060.28	2068.16	2074.08
15.0	2032.68	2005.07	1959.73	1924.24	1910.44	1900.58	1900.58	1910.44
16.0	1876.92	1847.35	1788.20	1740.89	1723.14	1703.43	1699.48	1709.34
17.0	1693.57	1660.05	1594.99	1543.73	1518.10	1492.47	1486.55	1496.41
18.0	1476.70	1445.15	1380.09	1324.89	1293.34	1263.77	1257.85	1267.71
19.0	1251.35	1222.96	1162.43	1108.21	1074.10	1042.36	1035.46	1043.94
20.0	1040.79	1013.77	955.61	902.38	867.68	838.50	832.79	839.49
25.0	328.46	319.00	303.62	290.80	282.13	275.82	273.06	271.09
30.0	132.88	131.21	129.04	127.91	128.76	128.33	127.80	126.36
35.0	70.64	70.15	69.97	70.50	71.51	71.21	71.27	70.66
40.0	43.24	41.42	42.13	41.78	41.78	42.21	43.35	41.86
45.0	33.52	37.99	36.99	34.42	34.54	33.48	30.66	33.38
50.0	21.63	22.95	20.45	21.12	21.33	21.08	21.06	21.04
55.0	14.37	13.11	13.49	13.15	13.60	15.00	15.60	14.83
60.0	8.77	8.93	8.95	9.07	9.27	9.56	9.90	9.94
65.0	5.56	5.72	5.58	5.76	5.86	6.03	6.19	6.25
70.0	3.41	3.39	3.45	3.57	3.69	3.81	3.88	3.77
75.0	1.93	1.95	1.97	1.97	1.97	2.03	2.03	1.97
80.0	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
85.0	0.20	0.20	0.20	0.20	0.22	0.20	0.20	0.20
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

G/C [cd/klm]	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1943.96	1941.98	1936.07	1938.04	1943.96	1951.84	1957.76	1969.59
2.0	1987.33	1983.39	1975.50	1979.44	1985.36	1995.22	1999.16	2012.96
3.0	2034.65	2030.70	2024.79	2026.76	2032.68	2044.51	2052.39	2062.25

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Intensity [cd/klm] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0
4.0	2085.91	2079.99	2076.05	2079.99	2087.88	2097.74	2103.65	2115.48
5.0	2143.08	2139.14	2139.14	2145.05	2152.94	2164.77	2170.69	2180.54
6.0	2210.12	2210.12	2210.12	2216.03	2223.92	2237.72	2247.58	2257.43
7.0	2269.26	2269.26	2269.26	2277.15	2288.98	2300.81	2308.69	2318.55
8.0	2300.81	2304.75	2308.69	2314.61	2320.52	2334.32	2342.21	2354.04
9.0	2322.49	2326.44	2328.41	2332.35	2340.24	2354.04	2361.93	2371.78
10.0	2326.44	2328.41	2330.38	2338.27	2346.15	2357.98	2365.87	2373.76
11.0	2312.64	2318.55	2324.47	2334.32	2344.18	2354.04	2359.96	2361.93
12.0	2273.21	2285.04	2292.92	2308.69	2318.55	2324.47	2324.47	2324.47
13.0	2202.23	2216.03	2235.75	2255.46	2265.32	2267.29	2261.38	2255.46
14.0	2093.79	2117.45	2145.05	2168.71	2182.51	2182.51	2164.77	2149.00
15.0	1936.07	1969.59	2010.99	2050.42	2066.19	2060.28	2032.68	2001.13
16.0	1740.89	1786.23	1839.46	1886.78	1906.50	1894.67	1853.26	1807.92
17.0	1531.90	1581.19	1642.31	1693.57	1711.31	1695.54	1648.22	1596.96
18.0	1301.23	1354.46	1417.55	1468.81	1486.55	1470.78	1421.49	1366.29
19.0	1078.05	1130.49	1191.22	1240.50	1258.84	1242.08	1191.81	1136.21
20.0	868.67	916.38	974.34	1022.65	1038.81	1021.46	973.95	920.52
25.0	276.61	287.65	301.06	315.25	321.17	315.05	303.03	292.18
30.0	126.04	126.97	128.07	129.98	131.64	132.02	131.27	131.35
35.0	70.54	71.13	70.94	71.43	71.57	71.73	71.98	72.65
40.0	41.80	42.72	43.49	42.88	44.44	43.04	43.32	42.94
45.0	33.97	34.82	36.30	37.34	33.26	37.83	36.43	35.31
50.0	20.94	21.33	20.72	23.54	22.12	23.84	21.04	21.86
55.0	13.72	13.82	14.23	13.92	15.14	13.92	14.21	13.78
60.0	9.64	9.54	9.54	9.33	9.01	9.17	9.25	9.11
65.0	6.05	5.82	5.56	5.48	5.30	5.42	5.36	5.54
70.0	3.59	3.45	3.31	3.25	3.23	3.21	3.29	3.45
75.0	1.87	1.85	1.81	1.81	1.79	1.81	1.83	1.83
80.0	0.81	0.79	0.79	0.79	0.79	0.79	0.77	0.79
85.0	0.20	0.20	0.20	0.20	0.20	0.22	0.22	0.22
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

G/C [cd/klm]	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1967.61	1963.67	1957.76	1947.90	1945.93	1945.93	1951.84	1953.81
2.0	2009.02	2005.07	1999.16	1991.27	1989.30	1989.30	1997.19	1999.16
3.0	2056.33	2052.39	2048.45	2040.56	2036.62	2034.65	2040.56	2044.51
4.0	2109.57	2101.68	2095.77	2087.88	2085.91	2081.96	2085.91	2087.88
5.0	2174.63	2166.74	2158.86	2150.97	2147.03	2143.08	2143.08	2145.05
6.0	2249.55	2241.66	2229.83	2218.00	2214.06	2206.17	2206.17	2210.12
7.0	2308.69	2300.81	2285.04	2269.26	2263.35	2257.43	2259.41	2261.38
8.0	2346.15	2330.38	2314.61	2298.84	2290.95	2283.06	2285.04	2288.98
9.0	2361.93	2340.24	2320.52	2304.75	2296.86	2290.95	2290.95	2300.81
10.0	2359.96	2338.27	2316.58	2298.84	2290.95	2287.01	2292.92	2306.72
11.0	2346.15	2318.55	2294.89	2277.15	2275.18	2273.21	2285.04	2304.75
12.0	2308.69	2281.09	2255.46	2237.72	2237.72	2243.63	2259.41	2287.01
13.0	2233.77	2204.20	2176.60	2164.77	2168.71	2178.57	2206.17	2237.72
14.0	2121.40	2087.88	2060.28	2048.45	2060.28	2085.91	2129.28	2168.71
15.0	1963.67	1922.27	1894.67	1892.70	1914.38	1951.84	2010.99	2060.28
16.0	1764.54	1721.17	1695.54	1697.51	1725.11	1776.37	1851.29	1908.47
17.0	1549.64	1506.27	1482.61	1486.55	1520.07	1579.22	1660.05	1723.14
18.0	1317.00	1277.57	1255.88	1261.80	1297.28	1360.38	1441.21	1498.38
19.0	1087.31	1050.64	1031.91	1038.03	1074.30	1139.17	1217.63	1272.05
20.0	874.78	845.01	829.83	836.14	870.44	930.38	1002.93	1053.80
25.0	281.93	277.00	275.62	275.82	282.13	297.11	315.25	331.81

Intensity [cd/klm] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0
30.0	130.64	130.12	130.16	129.41	129.26	129.83	132.73	135.58
35.0	71.96	71.33	71.49	71.19	71.09	71.71	72.44	73.26
40.0	41.88	41.92	42.74	41.66	41.30	42.45	43.06	43.41
45.0	34.32	33.44	30.54	33.28	33.62	33.71	37.03	37.46
50.0	21.23	21.02	21.19	21.08	21.23	21.51	20.98	23.84
55.0	13.80	15.18	15.75	14.73	13.84	14.04	14.73	14.57
60.0	9.21	9.46	9.68	9.62	9.54	9.38	9.25	9.13
65.0	5.68	5.78	5.89	5.91	5.84	5.58	5.34	5.30
70.0	3.55	3.73	3.82	3.71	3.55	3.41	3.25	3.21
75.0	1.87	1.95	1.95	1.91	1.85	1.83	1.81	1.83
80.0	0.81	0.79	0.79	0.79	0.79	0.79	0.81	0.81
85.0	0.22	0.22	0.22	0.22	0.22	0.22	0.24	0.24
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

G/C [cd/klm]	120.0	125.0	130.0	135.0	140.0	145.0	150.0	155.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1959.73	1955.79	1955.79	1963.67	1959.73	1951.84	1945.93	1941.98
2.0	2007.05	2003.10	2003.10	2010.99	2007.05	1999.16	1993.24	1989.30
3.0	2052.39	2050.42	2050.42	2060.28	2056.33	2050.42	2044.51	2042.53
4.0	2095.77	2093.79	2093.79	2103.65	2099.71	2093.79	2087.88	2085.91
5.0	2152.94	2149.00	2149.00	2160.83	2158.86	2156.88	2152.94	2150.97
6.0	2218.00	2216.03	2218.00	2227.86	2225.89	2227.86	2225.89	2223.92
7.0	2269.26	2269.26	2275.18	2288.98	2290.95	2290.95	2290.95	2290.95
8.0	2300.81	2306.72	2316.58	2328.41	2328.41	2328.41	2324.47	2324.47
9.0	2316.58	2326.44	2336.30	2348.13	2346.15	2344.18	2342.21	2338.27
10.0	2326.44	2338.27	2342.21	2350.10	2348.13	2344.18	2336.30	2336.30
11.0	2330.38	2342.21	2344.18	2346.15	2336.30	2328.41	2322.49	2324.47
12.0	2314.61	2324.47	2318.55	2312.64	2296.86	2285.04	2283.06	2285.04
13.0	2265.32	2267.29	2257.43	2241.66	2221.95	2208.14	2202.23	2206.17
14.0	2194.34	2188.43	2168.71	2147.03	2115.48	2097.74	2091.82	2097.74
15.0	2087.88	2076.05	2042.53	2005.07	1965.64	1940.01	1932.13	1943.96
16.0	1936.07	1920.30	1872.98	1821.72	1772.43	1742.86	1733.00	1746.80
17.0	1748.77	1731.03	1675.82	1616.68	1561.47	1529.93	1524.01	1537.82
18.0	1524.01	1502.33	1449.10	1387.98	1332.77	1301.23	1291.37	1307.14
19.0	1293.74	1273.82	1219.80	1160.06	1106.04	1076.27	1068.19	1082.58
20.0	1075.29	1054.78	1003.13	945.16	895.68	868.67	862.56	875.77
25.0	339.11	329.84	313.48	301.06	290.61	284.10	281.54	285.09
30.0	137.08	135.27	132.19	132.41	132.61	131.74	130.34	130.62
35.0	73.85	73.38	72.75	73.80	73.68	73.13	72.24	72.16
40.0	44.95	43.59	44.01	44.04	43.33	43.06	43.73	42.64
45.0	33.95	37.56	36.75	34.48	34.92	33.42	30.68	33.16
50.0	22.63	24.05	21.49	22.28	21.67	21.45	21.53	21.25
55.0	15.95	14.43	14.87	14.16	14.23	15.12	15.50	14.89
60.0	9.09	9.05	9.01	8.93	8.77	8.83	9.07	8.69
65.0	5.20	5.30	5.38	5.56	5.70	5.74	5.74	5.68
70.0	3.23	3.27	3.39	3.53	3.65	3.81	3.86	3.79
75.0	1.81	1.85	1.87	1.89	1.91	1.99	2.03	2.01
80.0	0.83	0.83	0.83	0.85	0.85	0.85	0.85	0.85
85.0	0.22	0.24	0.24	0.24	0.24	0.24	0.24	0.26
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

G/C [cd/klm]	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1947.90	1951.84	1957.76	1955.79	1949.87	1955.79	1957.76	1947.90

Intensity [cd/klm] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
2.0	1995.22	1997.19	2003.10	2003.10	1995.22	2001.13	2001.13	1993.24
3.0	2046.48	2050.42	2054.36	2054.36	2046.48	2054.36	2050.42	2044.51
4.0	2093.79	2095.77	2097.74	2097.74	2089.85	2091.82	2091.82	2085.91
5.0	2156.88	2156.88	2160.83	2156.88	2147.03	2149.00	2147.03	2137.17
6.0	2227.86	2227.86	2229.83	2223.92	2212.09	2214.06	2208.14	2198.29
7.0	2292.92	2287.01	2287.01	2279.12	2263.35	2263.35	2257.43	2249.55
8.0	2330.38	2330.38	2330.38	2320.52	2300.81	2296.86	2287.01	2277.15
9.0	2346.15	2348.13	2350.10	2340.24	2318.55	2310.67	2300.81	2288.98
10.0	2348.13	2357.98	2359.96	2352.07	2328.41	2316.58	2298.84	2285.04
11.0	2338.27	2348.13	2354.04	2346.15	2324.47	2312.64	2292.92	2271.23
12.0	2300.81	2316.58	2330.38	2324.47	2302.78	2287.01	2261.38	2237.72
13.0	2227.86	2253.49	2277.15	2273.21	2253.49	2237.72	2210.12	2178.57
14.0	2123.37	2160.83	2194.34	2198.29	2180.54	2162.80	2125.34	2087.88
15.0	1979.44	2026.76	2074.08	2093.79	2078.02	2054.36	2007.05	1961.70
16.0	1786.23	1843.41	1906.50	1941.98	1934.10	1906.50	1847.35	1792.15
17.0	1581.19	1642.31	1715.26	1758.63	1754.69	1727.08	1660.05	1598.93
18.0	1350.52	1413.61	1490.50	1539.79	1539.79	1512.18	1447.12	1384.03
19.0	1123.99	1186.29	1260.81	1312.47	1313.85	1289.79	1228.28	1165.59
20.0	915.00	973.75	1043.74	1095.40	1098.95	1075.88	1018.70	959.95
25.0	295.14	310.52	329.84	347.39	353.11	346.21	330.24	313.28
30.0	132.19	133.97	136.73	139.31	139.49	139.84	138.34	135.70
35.0	72.81	73.54	73.44	73.70	73.32	73.89	74.03	73.89
40.0	42.78	43.65	43.49	43.28	43.63	43.00	43.75	43.55
45.0	34.90	35.17	38.35	37.54	34.44	37.72	38.70	34.66
50.0	21.43	21.57	20.94	23.54	21.73	23.36	20.92	21.43
55.0	13.47	13.31	13.45	13.25	14.59	13.11	13.51	13.23
60.0	8.40	8.36	8.48	8.38	8.38	8.38	8.50	8.44
65.0	5.62	5.46	5.38	5.36	5.32	5.34	5.32	5.46
70.0	3.65	3.55	3.45	3.45	3.41	3.39	3.47	3.59
75.0	1.95	1.95	1.95	1.95	1.95	1.97	1.99	1.99
80.0	0.87	0.87	0.85	0.87	0.87	0.87	0.87	0.89
85.0	0.26	0.26	0.24	0.26	0.26	0.26	0.26	0.26
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

G/C [cd/klm]	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1938.04	1938.04	1940.01	1943.96	1951.84	1955.79	1965.64	1959.73
2.0	1983.39	1983.39	1983.39	1985.36	1993.24	1997.19	2007.05	2001.13
3.0	2034.65	2034.65	2034.65	2036.62	2044.51	2050.42	2062.25	2058.31
4.0	2078.02	2076.05	2078.02	2081.96	2087.88	2095.77	2107.60	2105.62
5.0	2129.28	2127.31	2127.31	2129.28	2139.14	2149.00	2162.80	2160.83
6.0	2192.37	2190.40	2190.40	2194.34	2198.29	2210.12	2225.89	2225.89
7.0	2241.66	2241.66	2241.66	2245.60	2261.38	2273.21	2288.98	2288.98
8.0	2269.26	2271.23	2273.21	2283.06	2300.81	2318.55	2332.35	2328.41
9.0	2279.12	2281.09	2287.01	2300.81	2322.49	2340.24	2354.04	2352.07
10.0	2277.15	2285.04	2294.89	2308.69	2330.38	2346.15	2361.93	2361.93
11.0	2263.35	2271.23	2285.04	2300.81	2322.49	2338.27	2357.98	2359.96
12.0	2229.83	2243.63	2255.46	2269.26	2290.95	2310.67	2334.32	2340.24
13.0	2170.69	2182.51	2192.37	2202.23	2225.89	2251.52	2279.12	2288.98
14.0	2078.02	2081.96	2083.94	2097.74	2127.31	2156.88	2194.34	2212.09
15.0	1941.98	1938.04	1936.07	1951.84	1985.36	2028.73	2078.02	2105.62
16.0	1764.54	1750.74	1744.83	1762.57	1800.03	1851.29	1912.41	1951.84
17.0	1567.39	1545.70	1539.79	1557.53	1596.96	1654.14	1723.14	1766.52
18.0	1348.55	1320.94	1315.03	1330.80	1370.23	1429.38	1500.36	1545.70
19.0	1126.15	1097.17	1089.29	1102.69	1141.73	1199.50	1269.68	1313.45

Intensity [cd/klm] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0
20.0	919.14	890.16	881.68	893.12	927.62	980.65	1047.88	1090.67
25.0	299.09	291.40	288.24	289.23	296.33	308.94	326.69	340.09
30.0	133.28	132.25	131.64	132.17	132.41	133.02	135.96	137.40
35.0	73.07	72.69	72.81	73.18	73.80	74.15	74.76	74.88
40.0	42.68	42.76	44.20	43.26	43.73	44.46	45.17	44.32
45.0	34.64	33.08	30.50	33.48	35.35	35.33	38.37	37.89
50.0	21.49	21.15	20.92	21.47	21.61	21.94	21.37	24.37
55.0	13.56	14.87	15.69	15.02	13.90	14.08	14.51	14.27
60.0	8.52	8.83	9.23	9.07	8.91	9.09	9.33	9.35
65.0	5.54	5.66	5.78	5.84	5.84	5.76	5.60	5.52
70.0	3.71	3.84	3.92	3.84	3.69	3.57	3.45	3.39
75.0	2.01	2.09	2.09	2.05	1.97	1.93	1.91	1.91
80.0	0.89	0.87	0.87	0.87	0.87	0.85	0.83	0.83
85.0	0.26	0.26	0.24	0.24	0.22	0.22	0.20	0.20
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

G/C [cd/klm]	240.0	245.0	250.0	255.0	260.0	265.0	270.0	275.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1947.90	1941.98	1938.04	1934.10	1936.07	1938.04	1941.98	1949.87
2.0	1989.30	1985.36	1981.42	1979.44	1979.44	1983.39	1989.30	1999.16
3.0	2048.45	2042.53	2038.59	2034.65	2034.65	2036.62	2040.56	2050.42
4.0	2091.82	2087.88	2087.88	2081.96	2078.02	2079.99	2083.94	2091.82
5.0	2150.97	2147.03	2145.05	2137.17	2137.17	2139.14	2141.11	2149.00
6.0	2219.97	2219.97	2216.03	2208.14	2210.12	2208.14	2204.20	2210.12
7.0	2283.06	2283.06	2279.12	2271.23	2269.26	2267.29	2265.32	2269.26
8.0	2320.52	2318.55	2314.61	2306.72	2302.78	2302.78	2294.89	2296.86
9.0	2344.18	2342.21	2340.24	2328.41	2322.49	2318.55	2308.69	2306.72
10.0	2354.04	2352.07	2346.15	2338.27	2328.41	2320.52	2308.69	2302.78
11.0	2352.07	2348.13	2340.24	2328.41	2316.58	2302.78	2288.98	2287.01
12.0	2336.30	2326.44	2312.64	2296.86	2283.06	2267.29	2249.55	2247.58
13.0	2285.04	2277.15	2261.38	2239.69	2221.95	2204.20	2182.51	2184.49
14.0	2210.12	2196.32	2172.66	2143.08	2115.48	2091.82	2070.14	2074.08
15.0	2105.62	2083.94	2046.48	2005.07	1969.59	1936.07	1914.38	1924.24
16.0	1957.76	1932.13	1880.87	1821.72	1780.32	1742.86	1719.20	1733.00
17.0	1772.43	1742.86	1683.71	1618.65	1571.33	1531.90	1512.18	1527.96
18.0	1551.62	1520.07	1458.95	1389.95	1340.66	1305.17	1285.46	1299.26
19.0	1319.17	1292.75	1230.84	1162.23	1112.75	1080.41	1062.47	1075.88
20.0	1097.57	1069.96	1011.61	945.95	898.24	869.26	854.08	865.91
25.0	341.67	330.43	312.89	296.92	286.07	280.75	278.78	282.33
30.0	136.57	134.58	132.13	130.58	130.16	129.57	129.02	129.98
35.0	73.68	72.63	72.14	72.02	71.51	71.00	70.76	71.25
40.0	44.62	42.90	42.80	42.49	41.54	41.70	42.47	41.68
45.0	34.29	37.50	37.05	34.44	34.13	32.57	29.99	33.14
50.0	22.34	24.13	21.02	21.88	21.23	20.96	20.96	21.33
55.0	15.60	14.12	14.31	13.82	13.82	15.30	16.03	14.94
60.0	9.27	9.36	9.46	9.40	9.70	10.05	10.27	10.17
65.0	5.38	5.48	5.50	5.66	5.93	6.07	6.21	6.19
70.0	3.37	3.33	3.43	3.57	3.69	3.84	3.98	3.86
75.0	1.87	1.89	1.87	1.89	1.91	1.99	2.01	1.97
80.0	0.81	0.81	0.79	0.77	0.75	0.73	0.69	0.69
85.0	0.20	0.18	0.16	0.16	0.14	0.12	0.10	0.06
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Intensity [cd/klm] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	280.0	285.0	290.0	295.0	300.0	305.0	310.0	315.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1953.81	1953.81	1951.84	1941.98	1938.04	1941.98	1941.98	1940.01
2.0	2003.10	2003.10	1999.16	1985.36	1983.39	1987.33	1985.36	1985.36
3.0	2054.36	2052.39	2050.42	2036.62	2034.65	2038.59	2034.65	2036.62
4.0	2095.77	2093.79	2091.82	2079.99	2076.05	2079.99	2078.02	2081.96
5.0	2149.00	2149.00	2147.03	2135.20	2133.23	2137.17	2139.14	2143.08
6.0	2212.09	2212.09	2210.12	2198.29	2196.32	2200.26	2202.23	2212.09
7.0	2265.32	2263.35	2263.35	2251.52	2247.58	2253.49	2259.41	2269.26
8.0	2292.92	2288.98	2288.98	2279.12	2281.09	2288.98	2296.86	2310.67
9.0	2302.78	2298.84	2300.81	2296.86	2300.81	2308.69	2314.61	2326.44
10.0	2298.84	2294.89	2300.81	2304.75	2312.64	2318.55	2324.47	2332.35
11.0	2283.06	2279.12	2292.92	2304.75	2314.61	2320.52	2318.55	2320.52
12.0	2247.58	2251.52	2271.23	2288.98	2298.84	2300.81	2290.95	2285.04
13.0	2186.46	2198.29	2225.89	2245.60	2253.49	2247.58	2233.77	2218.00
14.0	2081.96	2105.62	2147.03	2172.66	2178.57	2166.74	2143.08	2115.48
15.0	1943.96	1981.42	2038.59	2072.11	2074.08	2052.39	2014.93	1975.50
16.0	1756.66	1809.89	1884.81	1924.24	1930.16	1898.61	1841.43	1786.23
17.0	1557.53	1616.68	1695.54	1736.94	1744.83	1709.34	1648.22	1585.13
18.0	1330.80	1395.86	1472.75	1514.16	1520.07	1486.55	1423.46	1356.43
19.0	1109.59	1174.06	1247.60	1285.85	1289.99	1255.88	1194.17	1128.52
20.0	899.82	960.35	1028.36	1065.23	1069.57	1039.21	980.46	916.77
25.0	290.41	303.62	318.41	328.86	331.62	321.36	303.42	287.65
30.0	130.83	130.58	131.52	131.60	132.21	131.92	129.14	126.87
35.0	71.80	71.92	71.57	70.94	71.02	71.78	71.39	71.02
40.0	41.70	42.63	42.55	41.99	43.20	42.76	43.47	42.64
45.0	34.36	34.40	37.08	36.77	33.62	37.24	36.79	33.97
50.0	21.75	21.98	21.15	24.07	22.30	23.88	21.33	22.02
55.0	14.08	14.33	14.90	14.65	15.95	14.39	14.90	14.10
60.0	10.02	9.94	10.04	9.68	9.31	9.56	9.62	9.52
65.0	6.07	5.89	5.74	5.76	5.58	5.84	5.76	6.09
70.0	3.67	3.55	3.39	3.35	3.33	3.37	3.47	3.65
75.0	1.89	1.85	1.83	1.87	1.85	1.89	1.91	1.93
80.0	0.67	0.69	0.73	0.75	0.77	0.79	0.79	0.81
85.0	0.10	0.14	0.16	0.16	0.18	0.18	0.18	0.18
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

G/C [cd/klm]	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0
0.0	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41	1935.41
1.0	1941.98	1951.84	1955.79	1955.79	1957.76	1947.90	1940.01	1943.96
2.0	1987.33	1997.19	2001.13	2001.13	2003.10	1995.22	1985.36	1985.36
3.0	2040.56	2048.45	2052.39	2050.42	2052.39	2044.51	2034.65	2036.62
4.0	2085.91	2097.74	2105.62	2105.62	2105.62	2099.71	2087.88	2087.88
5.0	2149.00	2160.83	2170.69	2172.66	2172.66	2162.80	2149.00	2149.00
6.0	2223.92	2239.69	2245.60	2245.60	2245.60	2233.77	2218.00	2212.09
7.0	2279.12	2294.89	2300.81	2302.78	2304.75	2294.89	2279.12	2267.29
8.0	2318.55	2332.35	2336.30	2338.27	2344.18	2334.32	2316.58	2300.81
9.0	2334.32	2342.21	2344.18	2348.13	2356.01	2352.07	2336.30	2322.49
10.0	2336.30	2342.21	2344.18	2350.10	2359.96	2357.98	2342.21	2324.47
11.0	2318.55	2322.49	2324.47	2328.41	2342.21	2346.15	2334.32	2318.55
12.0	2277.15	2277.15	2281.09	2285.04	2300.81	2314.61	2310.67	2294.89
13.0	2204.20	2200.26	2200.26	2208.14	2225.89	2247.58	2253.49	2241.66
14.0	2095.77	2083.94	2083.94	2091.82	2117.45	2150.97	2168.71	2160.83
15.0	1941.98	1922.27	1918.33	1932.13	1967.61	2009.02	2046.48	2054.36
16.0	1742.86	1719.20	1713.28	1729.06	1768.49	1819.75	1872.98	1892.70
17.0	1533.87	1508.24	1502.33	1518.10	1559.50	1616.68	1677.80	1705.40

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Intensity [cd/klm] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd/klm]	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0
18.0	1303.20	1275.60	1269.68	1285.46	1326.86	1384.03	1447.12	1482.61
19.0	1076.47	1050.64	1044.93	1060.11	1099.14	1155.33	1219.80	1258.05
20.0	868.67	845.21	841.07	854.08	889.37	942.01	1002.93	1044.14
25.0	276.22	272.67	273.26	275.82	282.92	293.76	308.55	324.32
30.0	126.12	126.77	126.97	127.07	127.60	127.20	127.95	131.82
35.0	70.42	70.78	70.82	70.78	70.92	70.35	69.18	70.13
40.0	41.82	42.13	43.12	41.95	41.74	42.09	41.46	41.72
45.0	34.25	33.10	30.64	33.40	34.92	35.25	37.03	37.38
50.0	21.27	21.41	21.67	21.29	21.57	21.33	20.60	23.13
55.0	14.18	15.34	15.69	15.00	13.56	13.37	13.41	13.27
60.0	9.68	9.80	9.92	9.72	9.23	9.05	9.03	8.91
65.0	6.33	6.41	6.37	6.41	6.15	5.89	5.72	5.74
70.0	3.77	3.94	3.96	3.86	3.73	3.63	3.47	3.45
75.0	1.97	2.03	2.09	2.03	1.97	1.97	1.95	1.95
80.0	0.83	0.83	0.83	0.83	0.83	0.83	0.81	0.81
85.0	0.18	0.20	0.20	0.22	0.22	0.22	0.22	0.22
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Sample Number:	1170-QL16-S12		
Report Number:			
Model:	HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Flux:	1273 lm	Flux 2	0.00 lm
Date:	11/11/2016 12.20.39		
Manufacturer:	PUK ITALIA		

Intensity [cd] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2468.0	2468.0	2470.5	2480.5	2493.1	2493.1	2495.6	2480.5
2.0	2525.7	2525.7	2525.7	2538.3	2550.8	2553.3	2555.8	2538.3
3.0	2588.5	2586.0	2586.0	2596.0	2608.6	2608.6	2611.1	2598.5
4.0	2646.2	2646.2	2648.7	2658.8	2671.3	2673.8	2673.8	2661.3
5.0	2726.6	2724.0	2721.5	2731.6	2741.6	2744.1	2744.1	2734.1
6.0	2804.4	2799.4	2801.9	2811.9	2822.0	2819.4	2822.0	2814.4
7.0	2869.7	2864.6	2862.1	2872.2	2879.7	2879.7	2884.7	2884.7
8.0	2909.8	2899.8	2897.3	2904.8	2912.3	2909.8	2919.9	2922.4
9.0	2932.4	2919.9	2914.9	2917.4	2924.9	2924.9	2937.4	2945.0
10.0	2934.9	2919.9	2909.8	2909.8	2917.4	2924.9	2942.5	2952.5
11.0	2922.4	2909.8	2892.3	2884.7	2889.7	2904.8	2927.4	2934.9
12.0	2889.7	2872.2	2849.6	2834.5	2842.0	2857.1	2877.2	2882.2
13.0	2827.0	2806.9	2776.8	2754.2	2756.7	2766.7	2784.3	2789.3
14.0	2726.6	2701.4	2661.3	2628.6	2626.1	2623.6	2633.7	2641.2
15.0	2588.5	2553.3	2495.6	2450.4	2432.8	2420.3	2420.3	2432.8
16.0	2390.1	2352.5	2277.2	2216.9	2194.3	2169.2	2164.2	2176.7
17.0	2156.6	2114.0	2031.1	1965.8	1933.2	1900.6	1893.0	1905.6
18.0	1880.5	1840.3	1757.4	1687.2	1647.0	1609.3	1601.8	1614.3
19.0	1593.5	1557.4	1480.3	1411.2	1367.8	1327.4	1318.6	1329.4
20.0	1325.4	1291.0	1216.9	1149.1	1104.9	1067.8	1060.5	1069.0
25.0	418.3	406.2	386.6	370.3	359.3	351.2	347.7	345.2
30.0	169.2	167.1	164.3	162.9	164.0	163.4	162.7	160.9
35.0	90.0	89.3	89.1	89.8	91.1	90.7	90.8	90.0
40.0	55.1	52.7	53.7	53.2	53.2	53.8	55.2	53.3
45.0	42.7	48.4	47.1	43.8	44.0	42.6	39.0	42.5
50.0	27.5	29.2	26.0	26.9	27.2	26.8	26.8	26.8
55.0	18.3	16.7	17.2	16.7	17.3	19.1	19.9	18.9
60.0	11.2	11.4	11.4	11.5	11.8	12.2	12.6	12.7
65.0	7.1	7.3	7.1	7.3	7.5	7.7	7.9	8.0
70.0	4.3	4.3	4.4	4.5	4.7	4.8	4.9	4.8
75.0	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.5
80.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2475.5	2473.0	2465.4	2468.0	2475.5	2485.5	2493.1	2508.1
2.0	2530.7	2525.7	2515.7	2520.7	2528.2	2540.8	2545.8	2563.4
3.0	2591.0	2586.0	2578.4	2580.9	2588.5	2603.5	2613.6	2626.1
4.0	2656.3	2648.7	2643.7	2648.7	2658.8	2671.3	2678.9	2693.9
5.0	2729.1	2724.0	2724.0	2731.6	2741.6	2756.7	2764.2	2776.8

Intensity [cd] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0
6.0	2814.4	2814.4	2814.4	2822.0	2832.0	2849.6	2862.1	2874.7
7.0	2889.7	2889.7	2889.7	2899.8	2914.9	2929.9	2940.0	2952.5
8.0	2929.9	2934.9	2940.0	2947.5	2955.0	2972.6	2982.6	2997.7
9.0	2957.5	2962.6	2965.1	2970.1	2980.1	2997.7	3007.7	3020.3
10.0	2962.6	2965.1	2967.6	2977.6	2987.7	3002.7	3012.8	3022.8
11.0	2945.0	2952.5	2960.0	2972.6	2985.2	2997.7	3005.2	3007.7
12.0	2894.8	2909.8	2919.9	2940.0	2952.5	2960.0	2960.0	2960.0
13.0	2804.4	2822.0	2847.1	2872.2	2884.7	2887.2	2879.7	2872.2
14.0	2666.3	2696.4	2731.6	2761.7	2779.3	2779.3	2756.7	2736.6
15.0	2465.4	2508.1	2560.9	2611.1	2631.2	2623.6	2588.5	2548.3
16.0	2216.9	2274.6	2342.4	2402.7	2427.8	2412.7	2360.0	2302.3
17.0	1950.8	2013.5	2091.4	2156.6	2179.2	2159.2	2098.9	2033.6
18.0	1657.0	1724.8	1805.2	1870.4	1893.0	1872.9	1810.2	1739.9
19.0	1372.8	1439.6	1516.9	1579.7	1603.0	1581.7	1517.7	1446.9
20.0	1106.2	1166.9	1240.8	1302.3	1322.9	1300.8	1240.3	1172.2
25.0	352.2	366.3	383.4	401.5	409.0	401.2	385.9	372.1
30.0	160.5	161.7	163.1	165.5	167.6	168.1	167.2	167.3
35.0	89.8	90.6	90.3	91.0	91.1	91.3	91.7	92.5
40.0	53.2	54.4	55.4	54.6	56.6	54.8	55.2	54.7
45.0	43.3	44.3	46.2	47.6	42.4	48.2	46.4	45.0
50.0	26.7	27.2	26.4	30.0	28.2	30.4	26.8	27.8
55.0	17.5	17.6	18.1	17.7	19.3	17.7	18.1	17.5
60.0	12.3	12.2	12.2	11.9	11.5	11.7	11.8	11.6
65.0	7.7	7.4	7.1	7.0	6.8	6.9	6.8	7.1
70.0	4.6	4.4	4.2	4.1	4.1	4.1	4.2	4.4
75.0	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
80.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2505.6	2500.6	2493.1	2480.5	2478.0	2478.0	2485.5	2488.0
2.0	2558.3	2553.3	2545.8	2535.7	2533.2	2533.2	2543.3	2545.8
3.0	2618.6	2613.6	2608.6	2598.5	2593.5	2591.0	2598.5	2603.5
4.0	2686.4	2676.3	2668.8	2658.8	2656.3	2651.2	2656.3	2658.8
5.0	2769.2	2759.2	2749.2	2739.1	2734.1	2729.1	2729.1	2731.6
6.0	2864.6	2854.6	2839.5	2824.5	2819.4	2809.4	2809.4	2814.4
7.0	2940.0	2929.9	2909.8	2889.7	2882.2	2874.7	2877.2	2879.7
8.0	2987.7	2967.6	2947.5	2927.4	2917.4	2907.3	2909.8	2914.9
9.0	3007.7	2980.1	2955.0	2934.9	2924.9	2917.4	2917.4	2929.9
10.0	3005.2	2977.6	2950.0	2927.4	2917.4	2912.3	2919.9	2937.4
11.0	2987.7	2952.5	2922.4	2899.8	2897.3	2894.8	2909.8	2934.9
12.0	2940.0	2904.8	2872.2	2849.6	2849.6	2857.1	2877.2	2912.3
13.0	2844.6	2806.9	2771.7	2756.7	2761.7	2774.3	2809.4	2849.6
14.0	2701.4	2658.8	2623.6	2608.6	2623.6	2656.3	2711.5	2761.7
15.0	2500.6	2447.9	2412.7	2410.2	2437.8	2485.5	2560.9	2623.6
16.0	2247.0	2191.8	2159.2	2161.7	2196.8	2262.1	2357.5	2430.3
17.0	1973.4	1918.1	1888.0	1893.0	1935.7	2011.0	2114.0	2194.3
18.0	1677.1	1626.9	1599.3	1606.8	1652.0	1732.3	1835.3	1908.1
19.0	1384.6	1337.9	1314.1	1321.9	1368.0	1450.6	1550.6	1619.9
20.0	1114.0	1076.1	1056.7	1064.8	1108.4	1184.8	1277.2	1341.9
25.0	359.0	352.7	351.0	351.2	359.3	378.4	401.5	422.5
30.0	166.4	165.7	165.8	164.8	164.6	165.3	169.0	172.7
35.0	91.6	90.8	91.0	90.7	90.5	91.3	92.2	93.3
40.0	53.3	53.4	54.4	53.0	52.6	54.1	54.8	55.3
45.0	43.7	42.6	38.9	42.4	42.8	42.9	47.1	47.7

Intensity [cd] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0
50.0	27.0	26.8	27.0	26.8	27.0	27.4	26.7	30.4
55.0	17.6	19.3	20.1	18.8	17.6	17.9	18.8	18.6
60.0	11.7	12.1	12.3	12.3	12.2	12.0	11.8	11.6
65.0	7.2	7.4	7.5	7.5	7.4	7.1	6.8	6.8
70.0	4.5	4.7	4.9	4.7	4.5	4.3	4.1	4.1
75.0	2.4	2.5	2.5	2.4	2.4	2.3	2.3	2.3
80.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	120.0	125.0	130.0	135.0	140.0	145.0	150.0	155.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2495.6	2490.6	2490.6	2500.6	2495.6	2485.5	2478.0	2473.0
2.0	2555.8	2550.8	2550.8	2560.9	2555.8	2545.8	2538.3	2533.2
3.0	2613.6	2611.1	2611.1	2623.6	2618.6	2611.1	2603.5	2601.0
4.0	2668.8	2666.3	2666.3	2678.9	2673.8	2666.3	2658.8	2656.3
5.0	2741.6	2736.6	2736.6	2751.7	2749.2	2746.6	2741.6	2739.1
6.0	2824.5	2822.0	2824.5	2837.0	2834.5	2837.0	2834.5	2832.0
7.0	2889.7	2889.7	2897.3	2914.9	2917.4	2917.4	2917.4	2917.4
8.0	2929.9	2937.4	2950.0	2965.1	2965.1	2965.1	2960.0	2960.0
9.0	2950.0	2962.6	2975.1	2990.2	2987.7	2985.2	2982.6	2977.6
10.0	2962.6	2977.6	2982.6	2992.7	2990.2	2985.2	2975.1	2975.1
11.0	2967.6	2982.6	2985.2	2987.7	2975.1	2965.1	2957.5	2960.0
12.0	2947.5	2960.0	2952.5	2945.0	2924.9	2909.8	2907.3	2909.8
13.0	2884.7	2887.2	2874.7	2854.6	2829.5	2811.9	2804.4	2809.4
14.0	2794.3	2786.8	2761.7	2734.1	2693.9	2671.3	2663.8	2671.3
15.0	2658.8	2643.7	2601.0	2553.3	2503.1	2470.5	2460.4	2475.5
16.0	2465.4	2445.4	2385.1	2319.8	2257.1	2219.4	2206.9	2224.4
17.0	2226.9	2204.3	2134.0	2058.7	1988.4	1948.3	1940.7	1958.3
18.0	1940.7	1913.1	1845.3	1767.5	1697.2	1657.0	1644.5	1664.6
19.0	1647.5	1622.1	1553.3	1477.3	1408.5	1370.6	1360.3	1378.6
20.0	1369.3	1343.2	1277.4	1203.6	1140.6	1106.2	1098.4	1115.2
25.0	431.8	420.0	399.2	383.4	370.1	361.8	358.5	363.0
30.0	174.6	172.3	168.3	168.6	168.9	167.8	166.0	166.3
35.0	94.0	93.4	92.6	94.0	93.8	93.1	92.0	91.9
40.0	57.2	55.5	56.0	56.1	55.2	54.8	55.7	54.3
45.0	43.2	47.8	46.8	43.9	44.5	42.6	39.1	42.2
50.0	28.8	30.6	27.4	28.4	27.6	27.3	27.4	27.1
55.0	20.3	18.4	18.9	18.0	18.1	19.3	19.7	19.0
60.0	11.6	11.5	11.5	11.4	11.2	11.2	11.5	11.1
65.0	6.6	6.8	6.9	7.1	7.3	7.3	7.3	7.2
70.0	4.1	4.2	4.3	4.5	4.6	4.8	4.9	4.8
75.0	2.3	2.4	2.4	2.4	2.4	2.5	2.6	2.6
80.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2480.5	2485.5	2493.1	2490.6	2483.0	2490.6	2493.1	2480.5
2.0	2540.8	2543.3	2550.8	2550.8	2540.8	2548.3	2548.3	2538.3
3.0	2606.0	2611.1	2616.1	2616.1	2606.0	2616.1	2611.1	2603.5
4.0	2666.3	2668.8	2671.3	2671.3	2661.3	2663.8	2663.8	2656.3
5.0	2746.6	2746.6	2751.7	2746.6	2734.1	2736.6	2734.1	2721.5
6.0	2837.0	2837.0	2839.5	2832.0	2816.9	2819.4	2811.9	2799.4
7.0	2919.9	2912.3	2912.3	2902.3	2882.2	2882.2	2874.7	2864.6
8.0	2967.6	2967.6	2967.6	2955.0	2929.9	2924.9	2912.3	2899.8

Intensity [cd] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
9.0	2987.7	2990.2	2992.7	2980.1	2952.5	2942.5	2929.9	2914.9
10.0	2990.2	3002.7	3005.2	2995.2	2965.1	2950.0	2927.4	2909.8
11.0	2977.6	2990.2	2997.7	2987.7	2960.0	2945.0	2919.9	2892.3
12.0	2929.9	2950.0	2967.6	2960.0	2932.4	2912.3	2879.7	2849.6
13.0	2837.0	2869.7	2899.8	2894.8	2869.7	2849.6	2814.4	2774.3
14.0	2704.0	2751.7	2794.3	2799.4	2776.8	2754.2	2706.5	2658.8
15.0	2520.7	2580.9	2641.2	2666.3	2646.2	2616.1	2555.8	2498.1
16.0	2274.6	2347.4	2427.8	2473.0	2462.9	2427.8	2352.5	2282.2
17.0	2013.5	2091.4	2184.3	2239.5	2234.5	2199.3	2114.0	2036.1
18.0	1719.8	1800.1	1898.0	1960.8	1960.8	1925.7	1842.8	1762.5
19.0	1431.3	1510.7	1605.6	1671.3	1673.1	1642.5	1564.1	1484.3
20.0	1165.2	1240.0	1329.1	1394.9	1399.4	1370.1	1297.2	1222.4
25.0	375.8	395.4	420.0	442.4	449.7	440.9	420.5	398.9
30.0	168.3	170.6	174.1	177.4	177.6	178.1	176.2	172.8
35.0	92.7	93.6	93.5	93.8	93.4	94.1	94.3	94.1
40.0	54.5	55.6	55.4	55.1	55.6	54.8	55.7	55.5
45.0	44.4	44.8	48.8	47.8	43.9	48.0	49.3	44.1
50.0	27.3	27.5	26.7	30.0	27.7	29.8	26.6	27.3
55.0	17.1	16.9	17.1	16.9	18.6	16.7	17.2	16.8
60.0	10.7	10.6	10.8	10.7	10.7	10.7	10.8	10.7
65.0	7.2	7.0	6.9	6.8	6.8	6.8	6.8	7.0
70.0	4.6	4.5	4.4	4.4	4.3	4.3	4.4	4.6
75.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2468.0	2468.0	2470.5	2475.5	2485.5	2490.6	2503.1	2495.6
2.0	2525.7	2525.7	2525.7	2528.2	2538.3	2543.3	2555.8	2548.3
3.0	2591.0	2591.0	2591.0	2593.5	2603.5	2611.1	2626.1	2621.1
4.0	2646.2	2643.7	2646.2	2651.2	2658.8	2668.8	2683.9	2681.4
5.0	2711.5	2709.0	2709.0	2711.5	2724.0	2736.6	2754.2	2751.7
6.0	2791.8	2789.3	2789.3	2794.3	2799.4	2814.4	2834.5	2834.5
7.0	2854.6	2854.6	2854.6	2859.6	2879.7	2894.8	2914.9	2914.9
8.0	2889.7	2892.3	2894.8	2907.3	2929.9	2952.5	2970.1	2965.1
9.0	2902.3	2904.8	2912.3	2929.9	2957.5	2980.1	2997.7	2995.2
10.0	2899.8	2909.8	2922.4	2940.0	2967.6	2987.7	3007.7	3007.7
11.0	2882.2	2892.3	2909.8	2929.9	2957.5	2977.6	3002.7	3005.2
12.0	2839.5	2857.1	2872.2	2889.7	2917.4	2942.5	2972.6	2980.1
13.0	2764.2	2779.3	2791.8	2804.4	2834.5	2867.2	2902.3	2914.9
14.0	2646.2	2651.2	2653.7	2671.3	2709.0	2746.6	2794.3	2816.9
15.0	2473.0	2468.0	2465.4	2485.5	2528.2	2583.4	2646.2	2681.4
16.0	2247.0	2229.4	2221.9	2244.5	2292.2	2357.5	2435.3	2485.5
17.0	1996.0	1968.3	1960.8	1983.4	2033.6	2106.4	2194.3	2249.5
18.0	1717.3	1682.1	1674.6	1694.7	1744.9	1820.2	1910.6	1968.3
19.0	1434.1	1397.2	1387.1	1404.2	1453.9	1527.5	1616.9	1672.6
20.0	1170.5	1133.6	1122.8	1137.3	1181.3	1248.8	1334.4	1388.9
25.0	380.9	371.1	367.1	368.3	377.3	393.4	416.0	433.1
30.0	169.7	168.4	167.6	168.3	168.6	169.4	173.1	175.0
35.0	93.0	92.6	92.7	93.2	94.0	94.4	95.2	95.4
40.0	54.4	54.5	56.3	55.1	55.7	56.6	57.5	56.4
45.0	44.1	42.1	38.8	42.6	45.0	45.0	48.9	48.3
50.0	27.4	26.9	26.6	27.3	27.5	27.9	27.2	31.0
55.0	17.3	18.9	20.0	19.1	17.7	17.9	18.5	18.2
60.0	10.8	11.2	11.7	11.5	11.3	11.6	11.9	11.9

Intensity [cd] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0
65.0	7.1	7.2	7.4	7.4	7.4	7.3	7.1	7.0
70.0	4.7	4.9	5.0	4.9	4.7	4.5	4.4	4.3
75.0	2.6	2.7	2.7	2.6	2.5	2.5	2.4	2.4
80.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	240.0	245.0	250.0	255.0	260.0	265.0	270.0	275.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2480.5	2473.0	2468.0	2462.9	2465.4	2468.0	2473.0	2483.0
2.0	2533.2	2528.2	2523.2	2520.7	2520.7	2525.7	2533.2	2545.8
3.0	2608.6	2601.0	2596.0	2591.0	2591.0	2593.5	2598.5	2611.1
4.0	2663.8	2658.8	2658.8	2651.2	2646.2	2648.7	2653.7	2663.8
5.0	2739.1	2734.1	2731.6	2721.5	2721.5	2724.0	2726.6	2736.6
6.0	2827.0	2827.0	2822.0	2811.9	2814.4	2811.9	2806.9	2814.4
7.0	2907.3	2907.3	2902.3	2892.3	2889.7	2887.2	2884.7	2889.7
8.0	2955.0	2952.5	2947.5	2937.4	2932.4	2932.4	2922.4	2924.9
9.0	2985.2	2982.6	2980.1	2965.1	2957.5	2952.5	2940.0	2937.4
10.0	2997.7	2995.2	2987.7	2977.6	2965.1	2955.0	2940.0	2932.4
11.0	2995.2	2990.2	2980.1	2965.1	2950.0	2932.4	2914.9	2912.3
12.0	2975.1	2962.6	2945.0	2924.9	2907.3	2887.2	2864.6	2862.1
13.0	2909.8	2899.8	2879.7	2852.1	2829.5	2806.9	2779.3	2781.8
14.0	2814.4	2796.9	2766.7	2729.1	2693.9	2663.8	2636.2	2641.2
15.0	2681.4	2653.7	2606.0	2553.3	2508.1	2465.4	2437.8	2450.4
16.0	2493.1	2460.4	2395.2	2319.8	2267.1	2219.4	2189.3	2206.9
17.0	2257.1	2219.4	2144.1	2061.2	2001.0	1950.8	1925.7	1945.7
18.0	1975.9	1935.7	1857.9	1770.0	1707.2	1662.0	1636.9	1654.5
19.0	1679.9	1646.2	1567.4	1480.0	1417.0	1375.8	1353.0	1370.1
20.0	1397.7	1362.5	1288.2	1204.6	1143.8	1106.9	1087.6	1102.7
25.0	435.1	420.8	398.4	378.1	364.3	357.5	355.0	359.5
30.0	173.9	171.4	168.3	166.3	165.8	165.0	164.3	165.5
35.0	93.8	92.5	91.9	91.7	91.1	90.4	90.1	90.7
40.0	56.8	54.6	54.5	54.1	52.9	53.1	54.1	53.1
45.0	43.7	47.8	47.2	43.9	43.5	41.5	38.2	42.2
50.0	28.4	30.7	26.8	27.9	27.0	26.7	26.7	27.2
55.0	19.9	18.0	18.2	17.6	17.6	19.5	20.4	19.0
60.0	11.8	11.9	12.1	12.0	12.4	12.8	13.1	13.0
65.0	6.9	7.0	7.0	7.2	7.6	7.7	7.9	7.9
70.0	4.3	4.2	4.4	4.5	4.7	4.9	5.1	4.9
75.0	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.5
80.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
85.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	280.0	285.0	290.0	295.0	300.0	305.0	310.0	315.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2488.0	2488.0	2485.5	2473.0	2468.0	2473.0	2473.0	2470.5
2.0	2550.8	2550.8	2545.8	2528.2	2525.7	2530.7	2528.2	2528.2
3.0	2616.1	2613.6	2611.1	2593.5	2591.0	2596.0	2591.0	2593.5
4.0	2668.8	2666.3	2663.8	2648.7	2643.7	2648.7	2646.2	2651.2
5.0	2736.6	2736.6	2734.1	2719.0	2716.5	2721.5	2724.0	2729.1
6.0	2816.9	2816.9	2814.4	2799.4	2796.9	2801.9	2804.4	2816.9
7.0	2884.7	2882.2	2882.2	2867.2	2862.1	2869.7	2877.2	2889.7
8.0	2919.9	2914.9	2914.9	2902.3	2904.8	2914.9	2924.9	2942.5
9.0	2932.4	2927.4	2929.9	2924.9	2929.9	2940.0	2947.5	2962.6
10.0	2927.4	2922.4	2929.9	2934.9	2945.0	2952.5	2960.0	2970.1
11.0	2907.3	2902.3	2919.9	2934.9	2947.5	2955.0	2952.5	2955.0

Intensity [cd] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	280.0	285.0	290.0	295.0	300.0	305.0	310.0	315.0
12.0	2862.1	2867.2	2892.3	2914.9	2927.4	2929.9	2917.4	2909.8
13.0	2784.3	2799.4	2834.5	2859.6	2869.7	2862.1	2844.6	2824.5
14.0	2651.2	2681.4	2734.1	2766.7	2774.3	2759.2	2729.1	2693.9
15.0	2475.5	2523.2	2596.0	2638.7	2641.2	2613.6	2565.9	2515.7
16.0	2237.0	2304.8	2400.2	2450.4	2457.9	2417.7	2344.9	2274.6
17.0	1983.4	2058.7	2159.2	2211.9	2221.9	2176.7	2098.9	2018.6
18.0	1694.7	1777.5	1875.4	1928.2	1935.7	1893.0	1812.7	1727.3
19.0	1413.0	1495.1	1588.7	1637.4	1642.7	1599.3	1520.7	1437.1
20.0	1145.9	1222.9	1309.6	1356.5	1362.0	1323.4	1248.5	1167.4
25.0	369.8	386.6	405.5	418.8	422.3	409.2	386.4	366.3
30.0	166.6	166.3	167.5	167.6	168.4	168.0	164.4	161.6
35.0	91.4	91.6	91.1	90.3	90.4	91.4	90.9	90.4
40.0	53.1	54.3	54.2	53.5	55.0	54.5	55.4	54.3
45.0	43.8	43.8	47.2	46.8	42.8	47.4	46.8	43.3
50.0	27.7	28.0	26.9	30.7	28.4	30.4	27.2	28.0
55.0	17.9	18.3	19.0	18.7	20.3	18.3	19.0	18.0
60.0	12.8	12.7	12.8	12.3	11.9	12.2	12.3	12.1
65.0	7.7	7.5	7.3	7.3	7.1	7.4	7.3	7.8
70.0	4.7	4.5	4.3	4.3	4.2	4.3	4.4	4.6
75.0	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.5
80.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0
85.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

G/C [cd]	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0
0.0	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
1.0	2473.0	2485.5	2490.6	2490.6	2493.1	2480.5	2470.5	2475.5
2.0	2530.7	2543.3	2548.3	2548.3	2550.8	2540.8	2528.2	2528.2
3.0	2598.5	2608.6	2613.6	2611.1	2613.6	2603.5	2591.0	2593.5
4.0	2656.3	2671.3	2681.4	2681.4	2681.4	2673.8	2658.8	2658.8
5.0	2736.6	2751.7	2764.2	2766.7	2766.7	2754.2	2736.6	2736.6
6.0	2832.0	2852.1	2859.6	2859.6	2859.6	2844.6	2824.5	2816.9
7.0	2902.3	2922.4	2929.9	2932.4	2934.9	2922.4	2902.3	2887.2
8.0	2952.5	2970.1	2975.1	2977.6	2985.2	2972.6	2950.0	2929.9
9.0	2972.6	2982.6	2985.2	2990.2	3000.2	2995.2	2975.1	2957.5
10.0	2975.1	2982.6	2985.2	2992.7	3005.2	3002.7	2982.6	2960.0
11.0	2952.5	2957.5	2960.0	2965.1	2982.6	2987.7	2972.6	2952.5
12.0	2899.8	2899.8	2904.8	2909.8	2929.9	2947.5	2942.5	2922.4
13.0	2806.9	2801.9	2801.9	2811.9	2834.5	2862.1	2869.7	2854.6
14.0	2668.8	2653.7	2653.7	2663.8	2696.4	2739.1	2761.7	2751.7
15.0	2473.0	2447.9	2442.9	2460.4	2505.6	2558.3	2606.0	2616.1
16.0	2219.4	2189.3	2181.7	2201.8	2252.0	2317.3	2385.1	2410.2
17.0	1953.3	1920.6	1913.1	1933.2	1985.9	2058.7	2136.6	2171.7
18.0	1659.5	1624.4	1616.9	1636.9	1689.7	1762.5	1842.8	1888.0
19.0	1370.8	1337.9	1330.6	1350.0	1399.7	1471.2	1553.3	1602.0
20.0	1106.2	1076.3	1071.0	1087.6	1132.6	1199.6	1277.2	1329.6
25.0	351.7	347.2	348.0	351.2	360.3	374.1	392.9	413.0
30.0	160.6	161.4	161.7	161.8	162.5	162.0	162.9	167.9
35.0	89.7	90.1	90.2	90.1	90.3	89.6	88.1	89.3
40.0	53.3	53.7	54.9	53.4	53.2	53.6	52.8	53.1
45.0	43.6	42.2	39.0	42.5	44.5	44.9	47.1	47.6
50.0	27.1	27.3	27.6	27.1	27.5	27.2	26.2	29.4
55.0	18.1	19.5	20.0	19.1	17.3	17.0	17.1	16.9
60.0	12.3	12.5	12.6	12.4	11.7	11.5	11.5	11.3
65.0	8.1	8.2	8.1	8.2	7.8	7.5	7.3	7.3
70.0	4.8	5.0	5.0	4.9	4.7	4.6	4.4	4.4
75.0	2.5	2.6	2.7	2.6	2.5	2.5	2.5	2.5

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Intensity [cd] PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg /
C0 to C357.5 in 2.5 - Gamma 0 to 90

G/C [cd]	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0
80.0	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
85.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Sample Number:	1170-QL16-S12		
Report Number:			
Model:	HYDROBOOK MEDIUM 109001 FLOOD 45deg		
Flux:	1273 lm	Flux 2	0.00 lm
Date:	11/11/2016 12.20.39		
Manufacturer:	PUK ITALIA		

Electrical protocol PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD 45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90

[deg]	U [V]	I [A]	P [W]	PF
0.0	230.01	0.117	14.5	0.5366
1.0	230.01	0.117	14.5	0.5364
2.0	230.01	0.117	14.5	0.5365
3.0	230.01	0.117	14.5	0.5365
4.0	230.01	0.117	14.5	0.5365
5.0	230.01	0.117	14.5	0.5364
6.0	230.01	0.117	14.5	0.5365
7.0	230.00	0.117	14.5	0.5365
8.0	230.01	0.117	14.5	0.5364
9.0	230.01	0.117	14.5	0.5364
10.0	230.01	0.117	14.5	0.5366
11.0	230.01	0.117	14.5	0.5364
12.0	230.01	0.117	14.5	0.5365
13.0	230.01	0.117	14.5	0.5365
14.0	230.01	0.117	14.5	0.5365
15.0	230.01	0.117	14.5	0.5365
16.0	230.01	0.117	14.5	0.5365
17.0	230.00	0.117	14.5	0.5365
18.0	230.01	0.117	14.5	0.5366
19.0	230.01	0.117	14.5	0.5365
20.0	230.00	0.117	14.5	0.5365
25.0	230.01	0.117	14.5	0.5365
30.0	230.00	0.117	14.5	0.5366
35.0	230.00	0.117	14.5	0.5364
40.0	230.00	0.117	14.5	0.5365
45.0	230.01	0.117	14.5	0.5365
50.0	230.01	0.117	14.5	0.5366
55.0	230.00	0.117	14.5	0.5365
60.0	230.01	0.118	14.5	0.5364
65.0	230.00	0.117	14.5	0.5365
70.0	230.00	0.117	14.5	0.5364
75.0	230.01	0.117	14.5	0.5365
80.0	230.00	0.118	14.5	0.5365
85.0	230.00	0.117	14.5	0.5364
90.0	230.00	0.117	14.5	0.5364

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Electrical protocol PUK ITALIA 1170-QL16-S12 HYDROBOOK MEDIUM 109001 FLOOD
45deg / C0 to C357.5 in 2.5 - Gamma 0 to 90