

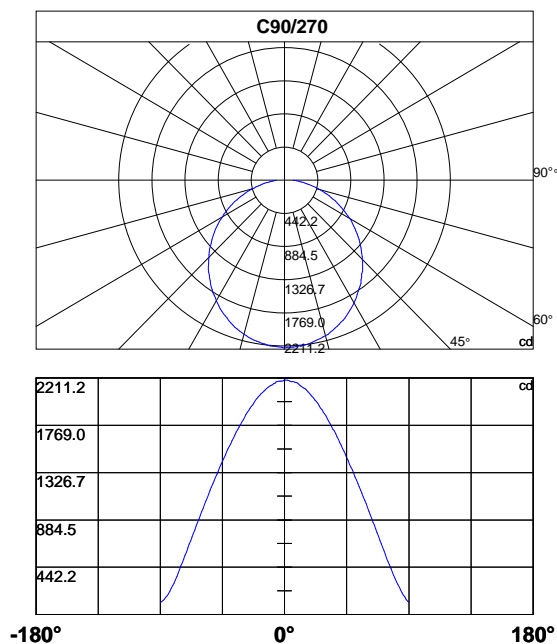
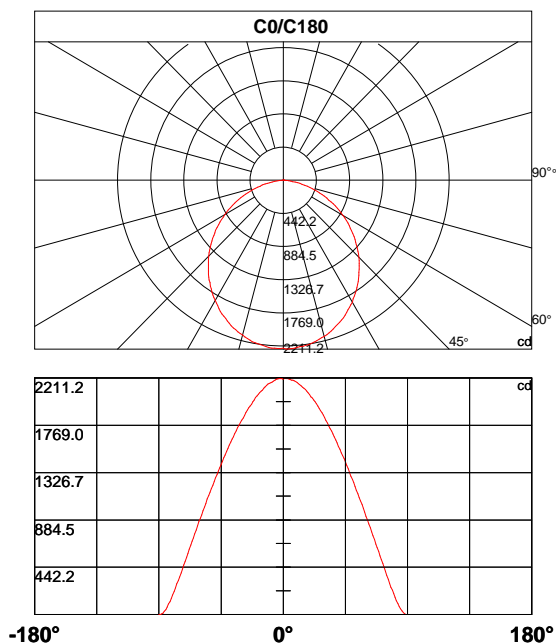
Luminaire Property

Luminaire: GP-TP12-60WA1 60W 6500K

Report NO.:	Voltage: 219.4 V
Test NO.:	Current: 0.274 A
Lamp:	Power: 58.4 W
Sum Lumens: 6212.05 lm	Power Factor: 0.972
Number of Lamps: 1	Ballast Type:
Diameter: mm	Width: 90mm
Length: 1500mm	Height: mm
Photometric Type: Type C	Remark:

Photometric Results

Lumens: 6212.05 lm	Angle of maximum intensity: C:0.0 G:1.0
Efficiency: 106.3707 lm/W	Half Peak Side Angle(50%): Left: -55.3 Right:53.6
Central Intensity: 2197.444cd	Light Out Rate(LOR) : 100.00%
Maximum Intensity: 2211.202cd	Up Flux Rate: 0.0%
	Down Flux Rate: 100.0%
Beam Angle(10%): Left: -79.8 Right:78.2	



Photometric Data Table [cd]

C\G	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.0	2197.4	2211.2	2207.7	2207.3	2204.0	2197.0	2192.4	2190.0	2184.3	2179.2
45.0	2197.4	2189.3	2189.7	2188.5	2181.7	2177.5	2178.8	2173.7	2170.5	2165.7
90.0	2197.4	2189.3	2189.7	2188.5	2181.7	2177.5	2178.8	2173.7	2170.5	2165.7
135.0	2197.4	2205.5	2204.4	2204.2	2203.8	2198.5	2190.2	2182.3	2173.7	2166.7
180.0	2197.4	2205.5	2204.4	2204.2	2203.8	2198.5	2190.2	2182.3	2173.7	2166.7
225.0	2197.4	2186.5	2182.5	2181.7	2180.7	2178.8	2174.6	2163.0	2157.5	2145.9
270.0	2197.4	2186.5	2182.5	2181.7	2180.7	2178.8	2174.6	2163.0	2157.5	2145.9
315.0	2197.4	2211.2	2207.7	2207.3	2204.0	2197.0	2192.4	2190.0	2184.3	2179.2
360.0	2197.4	2211.2	2207.7	2207.3	2204.0	2197.0	2192.4	2190.0	2184.3	2179.2

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	2170.9	2158.9	2149.7	2136.9	2125.7	2116.3	2104.7	2089.4	2073.8	2057.4
45.0	2154.0	2143.5	2133.4	2126.2	2117.2	2109.1	2099.2	2081.2	2068.3	2052.5
90.0	2154.0	2143.5	2133.4	2126.2	2117.2	2109.1	2099.2	2081.2	2068.3	2052.5
135.0	2160.4	2153.8	2142.0	2128.8	2116.1	2099.0	2088.5	2074.7	2058.9	2045.3
180.0	2160.4	2153.8	2142.0	2128.8	2116.1	2099.0	2088.5	2074.7	2058.9	2045.3
225.0	2140.2	2133.2	2126.2	2114.3	2099.9	2088.9	2074.7	2063.7	2048.6	2036.3
270.0	2140.2	2133.2	2126.2	2114.3	2099.9	2088.9	2074.7	2063.7	2048.6	2036.3
315.0	2170.9	2158.9	2149.7	2136.9	2125.7	2116.3	2104.7	2089.4	2073.8	2057.4
360.0	2170.9	2158.9	2149.7	2136.9	2125.7	2116.3	2104.7	2089.4	2073.8	2057.4

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	2036.6	2022.5	2006.7	1991.0	1971.9	1949.1	1926.5	1906.2	1886.6	1864.0
45.0	2039.4	2022.3	2006.5	1993.4	1975.2	1953.7	1931.4	1914.9	1893.0	1875.2
90.0	2039.4	2022.3	2006.5	1993.4	1975.2	1953.7	1931.4	1914.9	1893.0	1875.2
135.0	2028.4	2005.0	1988.6	1966.6	1947.4	1932.9	1911.2	1889.7	1862.8	1838.0
180.0	2028.4	2005.0	1988.6	1966.6	1947.4	1932.9	1911.2	1889.7	1862.8	1838.0
225.0	2018.4	2001.5	1982.8	1961.8	1945.2	1926.8	1907.2	1890.4	1866.5	1842.4
270.0	2018.4	2001.5	1982.8	1961.8	1945.2	1926.8	1907.2	1890.4	1866.5	1842.4
315.0	2036.6	2022.5	2006.7	1991.0	1971.9	1949.1	1926.5	1906.2	1886.6	1864.0
360.0	2036.6	2022.5	2006.7	1991.0	1971.9	1949.1	1926.5	1906.2	1886.6	1864.0

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1841.7	1815.0	1790.4	1763.5	1739.3	1714.6	1688.7	1660.9	1631.3	1603.3
45.0	1855.3	1829.9	1808.6	1780.5	1756.9	1733.4	1714.1	1690.7	1659.3	1635.3
90.0	1855.3	1829.9	1808.6	1780.5	1756.9	1733.4	1714.1	1690.7	1659.3	1635.3
135.0	1816.5	1795.7	1771.8	1747.9	1718.5	1692.2	1659.8	1639.4	1613.1	1582.9
180.0	1816.5	1795.7	1771.8	1747.9	1718.5	1692.2	1659.8	1639.4	1613.1	1582.9
225.0	1821.1	1796.8	1773.7	1753.1	1729.7	1705.4	1678.2	1651.0	1625.4	1595.8
270.0	1821.1	1796.8	1773.7	1753.1	1729.7	1705.4	1678.2	1651.0	1625.4	1595.8
315.0	1841.7	1815.0	1790.4	1763.5	1739.3	1714.6	1688.7	1660.9	1631.3	1603.3
360.0	1841.7	1815.0	1790.4	1763.5	1739.3	1714.6	1688.7	1660.9	1631.3	1603.3

Photometric Data Table [cd]

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	1573.0	1545.2	1513.2	1487.5	1459.4	1426.2	1394.2	1360.6	1326.0	1293.3
45.0	1603.3	1583.7	1553.5	1527.4	1499.8	1466.5	1439.3	1404.0	1379.9	1351.4
90.0	1603.3	1583.7	1553.5	1527.4	1499.8	1466.5	1439.3	1404.0	1379.9	1351.4
135.0	1552.6	1525.2	1491.7	1466.0	1434.5	1404.4	1371.6	1341.1	1309.1	1277.1
180.0	1552.6	1525.2	1491.7	1466.0	1434.5	1404.4	1371.6	1341.1	1309.1	1277.1
225.0	1575.2	1547.6	1519.7	1486.2	1458.4	1430.3	1404.9	1374.0	1342.0	1311.1
270.0	1575.2	1547.6	1519.7	1486.2	1458.4	1430.3	1404.9	1374.0	1342.0	1311.1
315.0	1573.0	1545.2	1513.2	1487.5	1459.4	1426.2	1394.2	1360.6	1326.0	1293.3
360.0	1573.0	1545.2	1513.2	1487.5	1459.4	1426.2	1394.2	1360.6	1326.0	1293.3

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	1263.5	1233.5	1198.9	1162.5	1127.9	1090.4	1062.1	1028.8	993.7	956.7
45.0	1322.5	1288.5	1258.7	1228.7	1196.5	1161.8	1132.0	1098.1	1064.7	1037.3
90.0	1322.5	1288.5	1258.7	1228.7	1196.5	1161.8	1132.0	1098.1	1064.7	1037.3
135.0	1241.4	1210.1	1177.1	1143.9	1114.9	1079.2	1039.5	1006.4	970.0	931.2
180.0	1241.4	1210.1	1177.1	1143.9	1114.9	1079.2	1039.5	1006.4	970.0	931.2
225.0	1280.8	1248.2	1221.7	1188.1	1159.0	1125.2	1092.6	1059.3	1028.6	995.0
270.0	1280.8	1248.2	1221.7	1188.1	1159.0	1125.2	1092.6	1059.3	1028.6	995.0
315.0	1263.5	1233.5	1198.9	1162.5	1127.9	1090.4	1062.1	1028.8	993.7	956.7
360.0	1263.5	1233.5	1198.9	1162.5	1127.9	1090.4	1062.1	1028.8	993.7	956.7

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	917.0	881.7	846.4	810.3	773.0	735.3	699.6	657.9	624.6	588.9
45.0	1002.3	965.4	931.9	900.1	864.4	834.8	799.6	766.0	730.9	693.5
90.0	1002.3	965.4	931.9	900.1	864.4	834.8	799.6	766.0	730.9	693.5
135.0	901.9	868.4	828.9	789.7	755.9	714.5	686.2	649.2	611.3	570.7
180.0	901.9	868.4	828.9	789.7	755.9	714.5	686.2	649.2	611.3	570.7
225.0	959.5	928.6	891.2	857.4	828.0	790.4	758.1	723.3	687.1	658.8
270.0	959.5	928.6	891.2	857.4	828.0	790.4	758.1	723.3	687.1	658.8
315.0	917.0	881.7	846.4	810.3	773.0	735.3	699.6	657.9	624.6	588.9
360.0	917.0	881.7	846.4	810.3	773.0	735.3	699.6	657.9	624.6	588.9

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	548.6	513.1	475.4	440.1	404.2	366.4	329.6	290.6	255.4	228.2
45.0	664.5	632.5	595.1	562.8	524.9	490.3	464.4	428.7	396.3	366.9
90.0	664.5	632.5	595.1	562.8	524.9	490.3	464.4	428.7	396.3	366.9
135.0	535.2	494.7	464.9	425.4	388.6	351.6	318.0	286.4	248.8	214.8
180.0	535.2	494.7	464.9	425.4	388.6	351.6	318.0	286.4	248.8	214.8
225.0	623.5	585.2	553.2	518.1	484.1	455.9	419.7	389.5	356.6	323.5
270.0	623.5	585.2	553.2	518.1	484.1	455.9	419.7	389.5	356.6	323.5
315.0	548.6	513.1	475.4	440.1	404.2	366.4	329.6	290.6	255.4	228.2
360.0	548.6	513.1	475.4	440.1	404.2	366.4	329.6	290.6	255.4	228.2

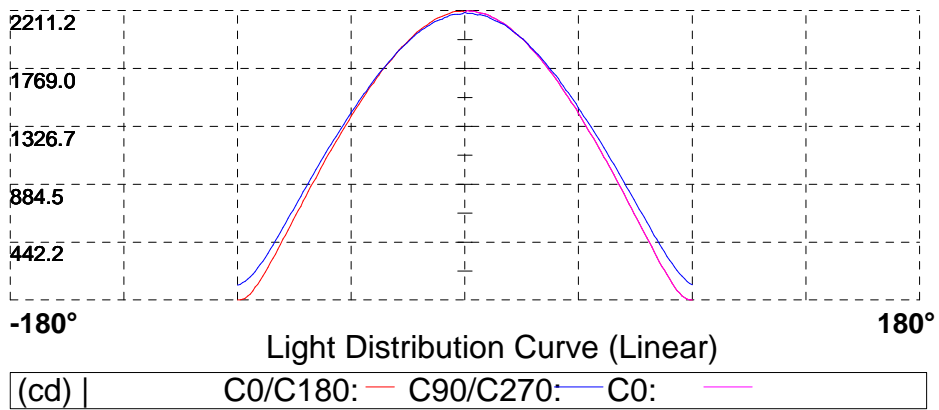
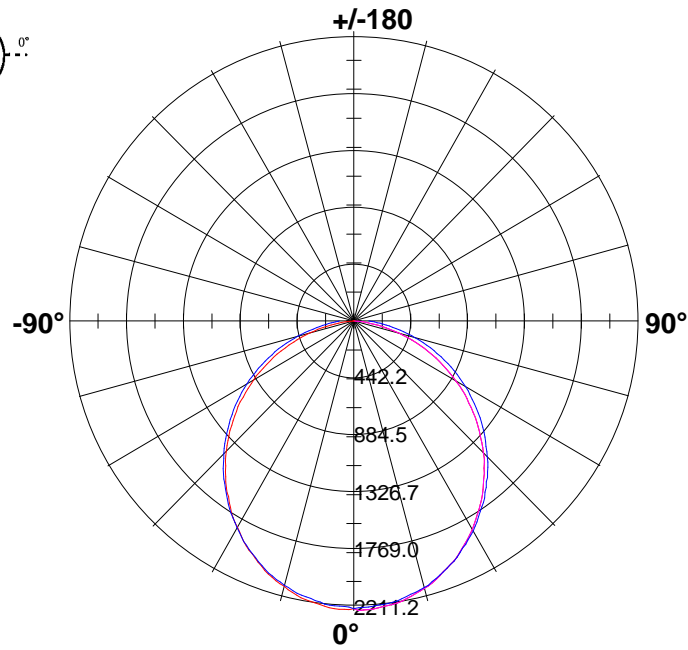
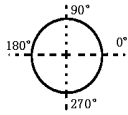
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	194.8	162.0	128.2	102.1	72.7	55.0	32.2	17.1	5.7	0.9
45.0	332.7	304.8	279.9	252.5	226.6	202.8	181.3	162.6	141.4	126.7
90.0	332.7	304.8	279.9	252.5	226.6	202.8	181.3	162.6	141.4	126.7
135.0	181.5	150.1	119.9	98.4	69.5	46.3	29.6	12.1	6.3	0.5
180.0	181.5	150.1	119.9	98.4	69.5	46.3	29.6	12.1	6.3	0.5
225.0	293.9	272.2	245.7	217.6	197.7	177.1	160.0	142.7	132.2	118.1
270.0	293.9	272.2	245.7	217.6	197.7	177.1	160.0	142.7	132.2	118.1
315.0	194.8	162.0	128.2	102.1	72.7	55.0	32.2	17.1	5.7	0.9
360.0	194.8	162.0	128.2	102.1	72.7	55.0	32.2	17.1	5.7	0.9

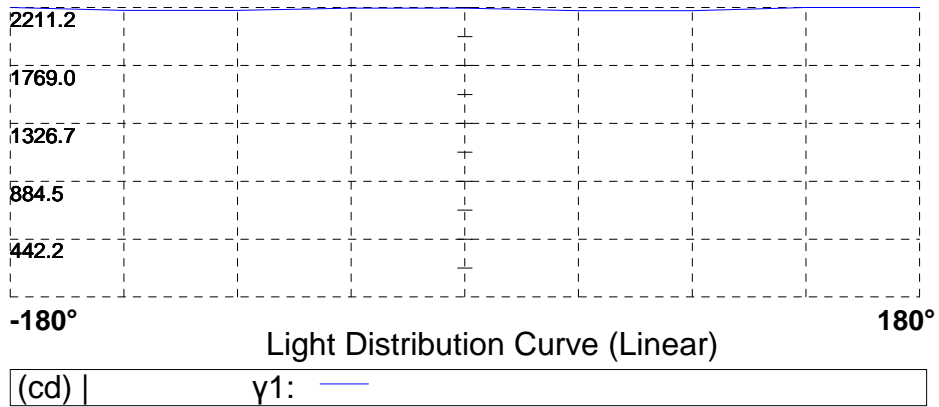
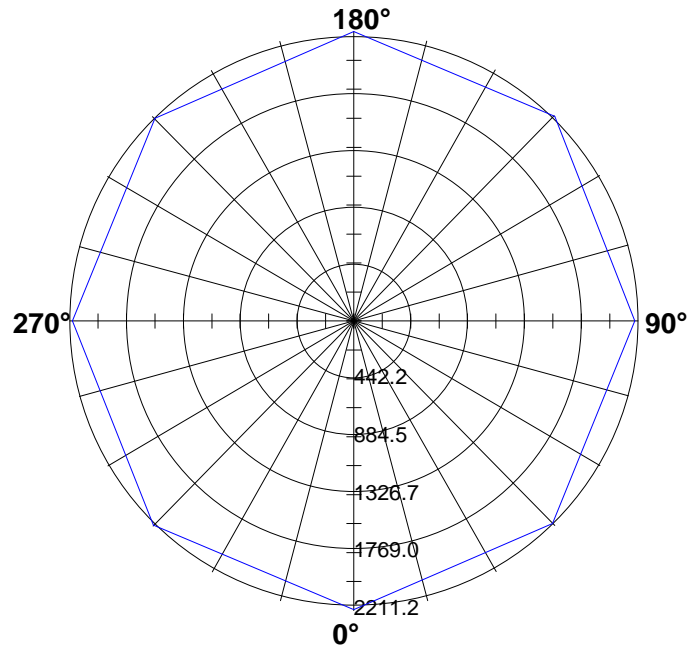
C\G	90.0
0.0	0.5
45.0	115.9
90.0	115.9
135.0	0.5
180.0	0.5
225.0	113.3
270.0	113.3
315.0	0.5
360.0	0.5

Light Distribution Curve [Unit: cd]

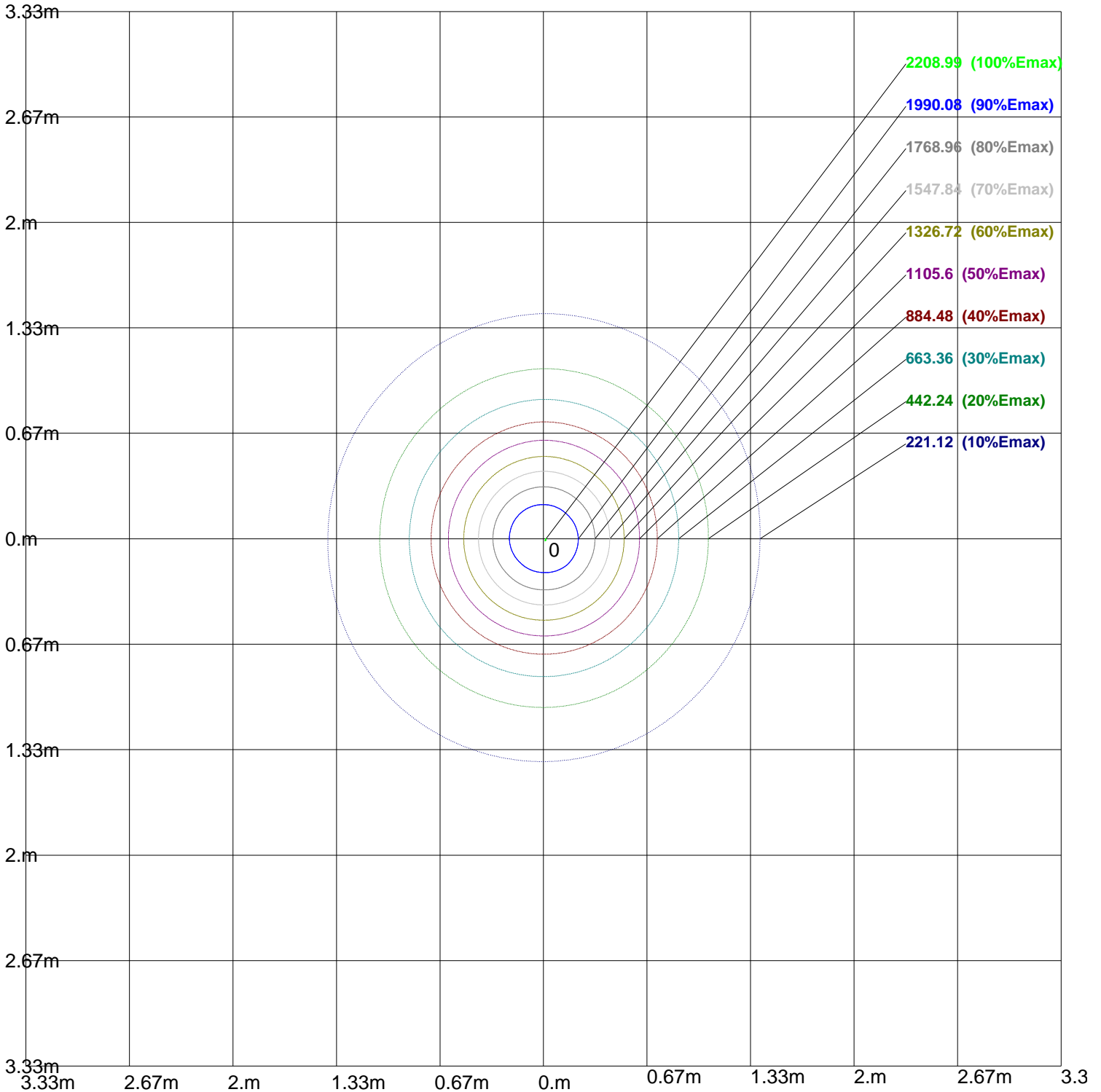
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 2211.2lx

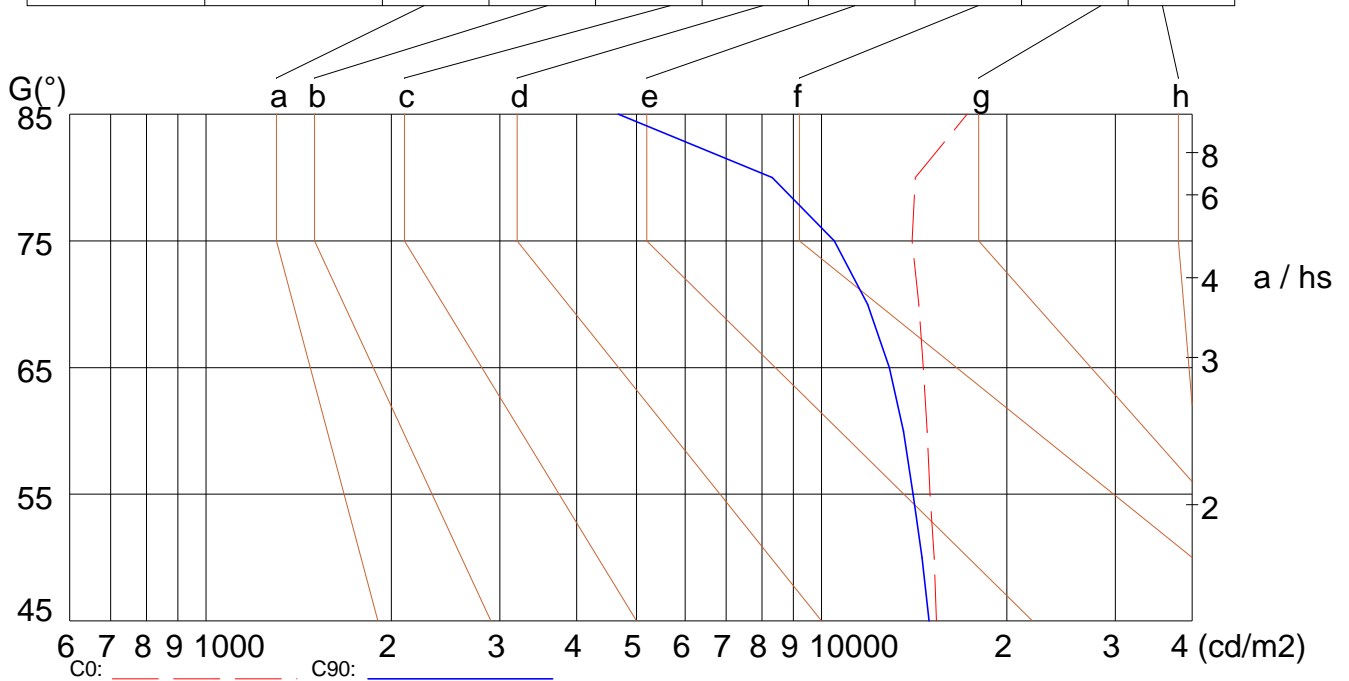
Luminance Limiting Curve

Diameter: mm
Length: 1500mm
Width: 90mm
Height: mm

(cd/m²)

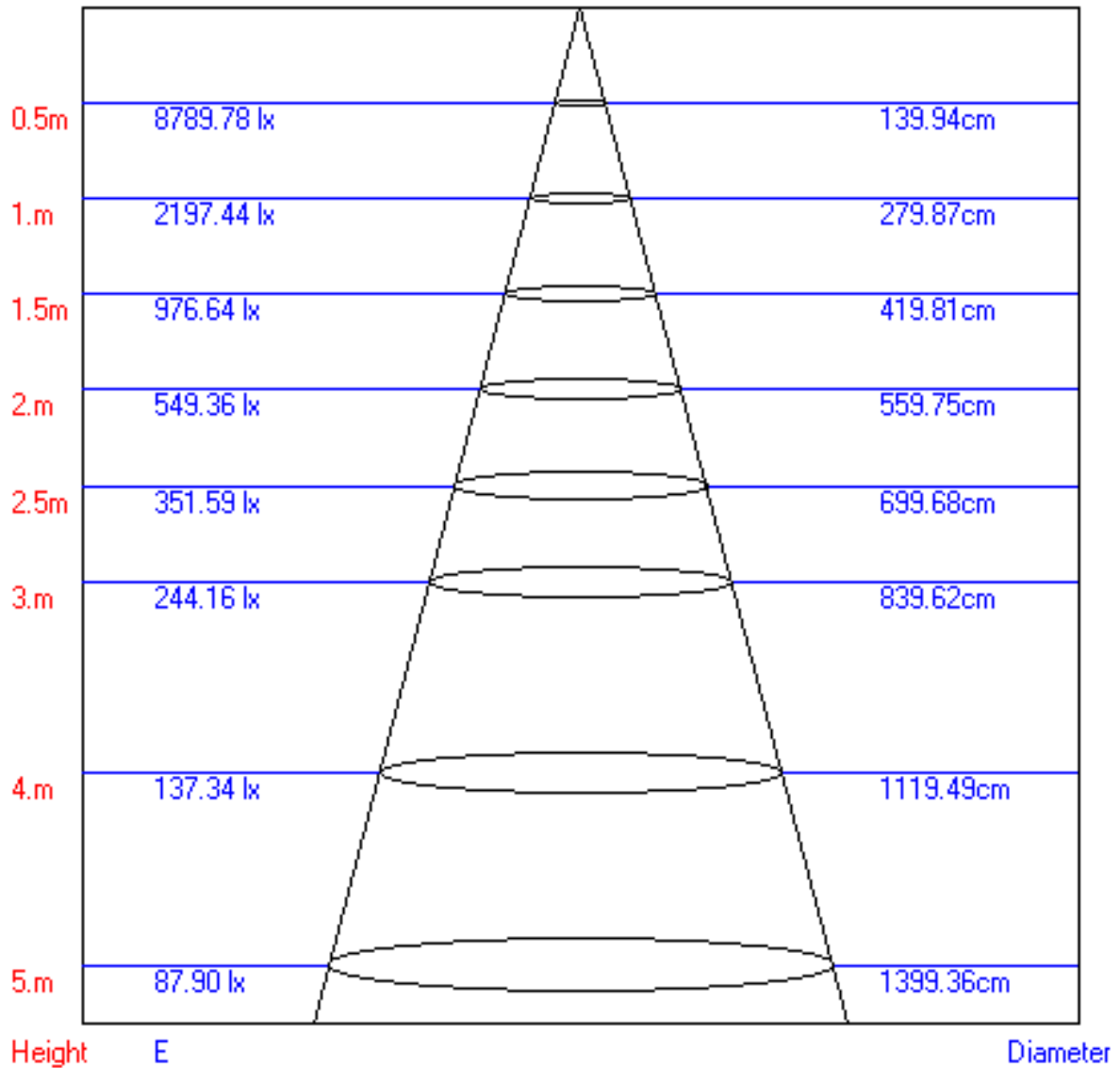
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	15363	15240	15004	14848	14632	14393	14031	14192	17232
C90	14940	14561	14082	13586	12889	11881	10488	8311	4675

Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	≤300				
1.5	B		2000	1000	500	≤300			
1.85	C			2000	1000	500	≤300		
2.2	D				2000	1000	500	≤300	
2.55	E					2000	1000	500	≤300



Lum. Limiting Curve (C0/C90)

Lux-Distance Curve



Beam Angle:108.90°

Utilization Coefficient Table

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.04	1.02	1.01	1.03	1.00	0.99	0.99	0.97	0.95	0.94	0.92	0.90	0.88	0.86	0.83	0.78
2	0.88	0.85	0.83	0.87	0.84	0.82	0.85	0.82	0.78	0.82	0.78	0.75	0.77	0.73	0.70	0.65
3	0.75	0.72	0.70	0.75	0.71	0.69	0.74	0.70	0.66	0.72	0.67	0.63	0.69	0.64	0.59	0.55
4	0.65	0.62	0.60	0.65	0.61	0.59	0.65	0.60	0.56	0.64	0.58	0.54	0.62	0.56	0.51	0.47
5	0.57	0.54	0.52	0.57	0.53	0.51	0.58	0.52	0.49	0.57	0.51	0.46	0.56	0.49	0.44	0.40
6	0.50	0.47	0.45	0.51	0.47	0.44	0.51	0.46	0.43	0.51	0.45	0.41	0.51	0.44	0.39	0.35
7	0.44	0.42	0.40	0.45	0.42	0.39	0.46	0.41	0.38	0.47	0.41	0.36	0.46	0.40	0.34	0.31
8	0.40	0.37	0.36	0.41	0.37	0.35	0.42	0.37	0.34	0.43	0.37	0.32	0.43	0.36	0.31	0.28
9	0.36	0.34	0.32	0.37	0.34	0.32	0.38	0.34	0.30	0.39	0.33	0.29	0.40	0.33	0.28	0.25
10	0.33	0.30	0.29	0.34	0.31	0.29	0.35	0.31	0.28	0.36	0.30	0.26	0.37	0.30	0.25	0.23

