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Luminaire Property

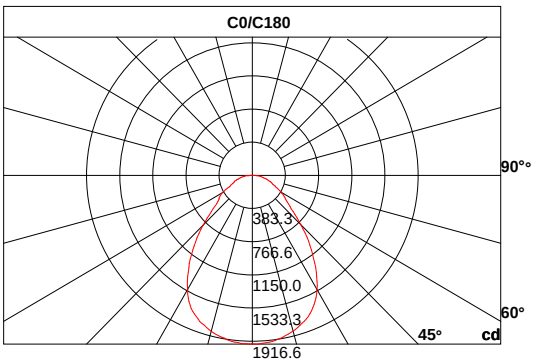
Luminaire: RH-PL6060 38W 4000k UGR
Report NO.:
Test NO.:
Lamp:
Sum Lumens: 3755.67 lm
Number of Lamps: 1
Diameter: mm
Length: 620mm
Photometric Type: Type C

Voltage: 220.1 V
Current: 0.177 A
Power: 37.6 W
Power Factor: 0.964
LED Driver Type:
Width: 620mm
Height: mm
Remark:

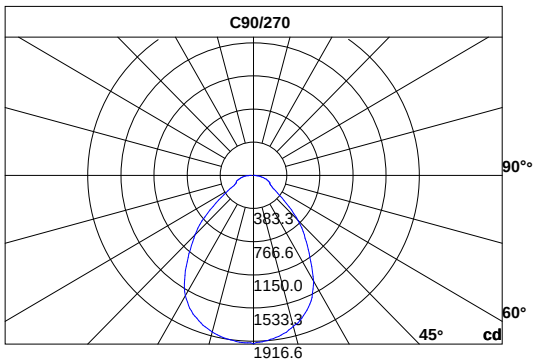
Photometric Results

CIE Class: Direct
Lumens: 3755.67 lm
Efficiency: 99.885 lm/W
Central Intensity: 1909.874cd
Maximum Intensity: 1916.583cd
Beam Angle(10%): Left: -75.2 Right:71.6

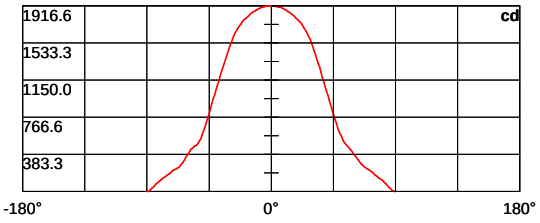
Angle of maximum intensity: C:0.0 G:2.0
Half Peak Side Angle(50%): L: -43.9 R:39.7
Light Out Rate(LOR) : 100.00%
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%

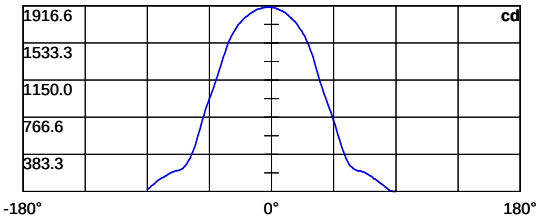


Beam Angle(50%Imax): 83.60 Deg



Beam Angle(50%Imax): 83.60 Deg





Light intensity data Unit[cd]

C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	1909.9	1915.9	1916.6	1910.3	1908.6	1903.4	1902.5	1900.3	1892.0	1885.8
C45.0	1909.9	1896.5	1896.0	1892.9	1884.4	1881.3	1870.8	1867.2	1858.9	1852.0
C90.0	1909.9	1896.5	1896.0	1892.9	1884.4	1881.3	1870.8	1867.2	1858.9	1852.0
C135.0	1909.9	1915.7	1911.9	1913.7	1912.1	1906.3	1903.6	1899.8	1892.2	1887.3
C180.0	1909.9	1915.7	1911.9	1913.7	1912.1	1906.3	1903.6	1899.8	1892.2	1887.3
C225.0	1909.9	1900.7	1903.4	1904.1	1901.6	1899.1	1897.8	1891.3	1888.4	1886.0
C270.0	1909.9	1900.7	1903.4	1904.1	1901.6	1899.1	1897.8	1891.3	1888.4	1886.0
C315.0	1909.9	1915.9	1916.6	1910.3	1908.6	1903.4	1902.5	1900.3	1892.0	1885.8
C360.0	1909.9	1915.9	1916.6	1910.3	1908.6	1903.4	1902.5	1900.3	1892.0	1885.8
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	1877.7	1869.9	1857.8	1852.2	1839.2	1828.8	1817.6	1805.3	1788.5	1774.2
C45.0	1841.9	1829.2	1820.9	1804.2	1791.8	1777.8	1763.7	1751.2	1733.5	1716.1
C90.0	1841.9	1829.2	1820.9	1804.2	1791.8	1777.8	1763.7	1751.2	1733.5	1716.1
C135.0	1876.3	1869.4	1860.0	1854.0	1843.1	1833.2	1817.1	1804.2	1790.1	1782.0
C180.0	1876.3	1869.4	1860.0	1854.0	1843.1	1833.2	1817.1	1804.2	1790.1	1782.0
C225.0	1880.2	1875.9	1866.5	1857.6	1850.4	1841.3	1831.2	1818.9	1808.6	1798.1
C270.0	1880.2	1875.9	1866.5	1857.6	1850.4	1841.3	1831.2	1818.9	1808.6	1798.1
C315.0	1877.7	1869.9	1857.8	1852.2	1839.2	1828.8	1817.6	1805.3	1788.5	1774.2
C360.0	1877.7	1869.9	1857.8	1852.2	1839.2	1828.8	1817.6	1805.3	1788.5	1774.2
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1761.2	1746.0	1727.5	1705.3	1683.0	1659.5	1631.1	1604.3	1572.8	1538.1
C45.0	1692.6	1670.5	1651.3	1625.3	1601.2	1571.2	1540.6	1501.9	1463.2	1429.2
C90.0	1692.6	1670.5	1651.3	1625.3	1601.2	1571.2	1540.6	1501.9	1463.2	1429.2
C135.0	1767.7	1747.6	1729.9	1711.4	1690.2	1666.2	1640.9	1609.9	1575.0	1538.3
C180.0	1767.7	1747.6	1729.9	1711.4	1690.2	1666.2	1640.9	1609.9	1575.0	1538.3
C225.0	1783.2	1767.3	1750.7	1738.2	1721.4	1698.6	1680.3	1656.4	1629.8	1606.1
C270.0	1783.2	1767.3	1750.7	1738.2	1721.4	1698.6	1680.3	1656.4	1629.8	1606.1
C315.0	1761.2	1746.0	1727.5	1705.3	1683.0	1659.5	1631.1	1604.3	1572.8	1538.1
C360.0	1761.2	1746.0	1727.5	1705.3	1683.0	1659.5	1631.1	1604.3	1572.8	1538.1
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	1499.2	1458.7	1414.5	1364.6	1327.5	1280.4	1230.9	1179.3	1129.9	1082.9
C45.0	1387.4	1337.6	1285.7	1237.4	1184.7	1136.1	1093.7	1053.0	1008.7	968.5
C90.0	1387.4	1337.6	1285.7	1237.4	1184.7	1136.1	1093.7	1053.0	1008.7	968.5
C135.0	1496.1	1457.9	1413.4	1366.7	1324.2	1275.2	1236.8	1190.0	1142.6	1093.0
C180.0	1496.1	1457.9	1413.4	1366.7	1324.2	1275.2	1236.8	1190.0	1142.6	1093.0
C225.0	1575.0	1545.3	1507.7	1467.3	1424.5	1385.6	1339.4	1293.1	1247.0	1200.8
C270.0	1575.0	1545.3	1507.7	1467.3	1424.5	1385.6	1339.4	1293.1	1247.0	1200.8
C315.0	1499.2	1458.7	1414.5	1364.6	1327.5	1280.4	1230.9	1179.3	1129.9	1082.9
C360.0	1499.2	1458.7	1414.5	1364.6	1327.5	1280.4	1230.9	1179.3	1129.9	1082.9

Light intensity data Unit[cd]

C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	1039.1	993.3	944.3	896.0	843.9	797.7	754.3	708.3	663.8	623.5
C45.0	928.4	894.0	857.1	815.6	769.8	727.7	687.7	639.4	588.6	543.3
C90.0	928.4	894.0	857.1	815.6	769.8	727.7	687.7	639.4	588.6	543.3
C135.0	1047.4	997.1	955.3	907.2	856.9	804.2	757.4	709.8	667.1	625.1
C180.0	1047.4	997.1	955.3	907.2	856.9	804.2	757.4	709.8	667.1	625.1
C225.0	1163.0	1115.1	1071.1	1033.1	991.7	957.5	917.8	879.9	838.4	788.5
C270.0	1163.0	1115.1	1071.1	1033.1	991.7	957.5	917.8	879.9	838.4	788.5
C315.0	1039.1	993.3	944.3	896.0	843.9	797.7	754.3	708.3	663.8	623.5
C360.0	1039.1	993.3	944.3	896.0	843.9	797.7	754.3	708.3	663.8	623.5
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	588.6	560.7	530.1	506.8	486.7	472.2	455.4	437.8	422.8	403.5
C45.0	497.4	452.3	410.7	375.8	342.9	309.9	283.5	263.6	251.5	239.0
C90.0	497.4	452.3	410.7	375.8	342.9	309.9	283.5	263.6	251.5	239.0
C135.0	585.0	545.9	520.2	497.9	481.6	469.3	462.4	448.7	436.2	416.0
C180.0	585.0	545.9	520.2	497.9	481.6	469.3	462.4	448.7	436.2	416.0
C225.0	737.5	687.2	639.6	586.4	539.4	490.5	450.7	411.1	380.5	345.4
C270.0	737.5	687.2	639.6	586.4	539.4	490.5	450.7	411.1	380.5	345.4
C315.0	588.6	560.7	530.1	506.8	486.7	472.2	455.4	437.8	422.8	403.5
C360.0	588.6	560.7	530.1	506.8	486.7	472.2	455.4	437.8	422.8	403.5
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	381.0	363.5	343.4	323.0	303.8	289.3	270.9	258.4	247.5	239.7
C45.0	229.4	222.4	217.7	211.3	211.3	207.3	203.5	198.3	192.0	181.7
C90.0	229.4	222.4	217.7	211.3	211.3	207.3	203.5	198.3	192.0	181.7
C135.0	392.4	371.1	346.1	322.2	296.9	283.0	266.0	249.9	241.7	233.6
C180.0	392.4	371.1	346.1	322.2	296.9	283.0	266.0	249.9	241.7	233.6
C225.0	319.9	295.5	273.9	256.6	242.1	234.1	223.6	218.4	214.6	214.4
C270.0	319.9	295.5	273.9	256.6	242.1	234.1	223.6	218.4	214.6	214.4
C315.0	381.0	363.5	343.4	323.0	303.8	289.3	270.9	258.4	247.5	239.7
C360.0	381.0	363.5	343.4	323.0	303.8	289.3	270.9	258.4	247.5	239.7
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	229.1	221.8	209.7	197.8	187.8	173.3	164.1	149.6	139.1	127.4
C45.0	177.3	165.4	158.3	148.2	134.8	129.0	115.6	106.2	95.0	85.0
C90.0	177.3	165.4	158.3	148.2	134.8	129.0	115.6	106.2	95.0	85.0
C135.0	225.1	219.3	209.0	193.6	184.2	172.6	162.1	150.5	142.8	129.9
C180.0	225.1	219.3	209.0	193.6	184.2	172.6	162.1	150.5	142.8	129.9
C225.0	208.4	206.8	197.6	193.4	185.3	175.0	167.9	160.1	151.1	143.3
C270.0	208.4	206.8	197.6	193.4	185.3	175.0	167.9	160.1	151.1	143.3
C315.0	229.1	221.8	209.7	197.8	187.8	173.3	164.1	149.6	139.1	127.4
C360.0	229.1	221.8	209.7	197.8	187.8	173.3	164.1	149.6	139.1	127.4

Light intensity data Unit[cd]

C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	120.7	108.2	95.2	79.3	64.2	48.5	36.0	19.9	8.7	2.0
C45.0	73.6	64.8	51.9	39.8	29.3	18.1	7.8	4.0	0.0	0.0
C90.0	73.6	64.8	51.9	39.8	29.3	18.1	7.8	4.0	0.0	0.0
C135.0	118.2	106.2	94.1	83.2	67.9	50.3	38.9	22.8	10.1	1.8
C180.0	118.2	106.2	94.1	83.2	67.9	50.3	38.9	22.8	10.1	1.8
C225.0	136.6	127.9	114.9	106.6	93.0	80.7	68.9	59.7	44.3	32.0
C270.0	136.6	127.9	114.9	106.6	93.0	80.7	68.9	59.7	44.3	32.0
C315.0	120.7	108.2	95.2	79.3	64.2	48.5	36.0	19.9	8.7	2.0
C360.0	120.7	108.2	95.2	79.3	64.2	48.5	36.0	19.9	8.7	2.0
C\G	**G90.0**									
C0.0	0.0									
C45.0	0.0									
C90.0	0.0									
C135.0	0.0									
C180.0	0.0									
C225.0	23.9									
C270.0	23.9									
C315.0	0.0									
C360.0	0.0									

Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	1909.87	0.00	0.00	0.00	0.00
0.0-1.0	1907.21	1.83	1.83	0.05	0.05
1.0-2.0	1906.98	5.47	7.30	0.15	0.19
2.0-3.0	1905.27	9.12	16.42	0.24	0.44
3.0-4.0	1901.68	12.74	29.16	0.34	0.78
4.0-5.0	1897.54	16.34	45.51	0.44	1.21
5.0-6.0	1893.69	19.92	65.43	0.53	1.74
6.0-7.0	1889.65	23.48	88.91	0.63	2.37
7.0-8.0	1882.89	27.00	115.91	0.72	3.09
8.0-9.0	1877.77	30.48	146.39	0.81	3.90
9.0-10.0	1869.05	33.91	180.30	0.90	4.80
10.0-11.0	1861.13	37.27	217.57	0.99	5.79
11.0-12.0	1851.33	40.58	258.15	1.08	6.87
12.0-13.0	1842.00	43.83	301.98	1.17	8.04
13.0-14.0	1831.14	47.02	349.00	1.25	9.29
14.0-15.0	1820.26	50.13	399.13	1.33	10.63
15.0-16.0	1807.39	53.16	452.28	1.42	12.04
16.0-17.0	1794.87	56.10	508.38	1.49	13.54
17.0-18.0	1780.18	58.94	567.32	1.57	15.11
18.0-19.0	1767.61	61.72	629.05	1.64	16.75
19.0-20.0	1751.18	64.40	693.45	1.71	18.46
20.0-21.0	1732.84	66.90	760.35	1.78	20.25
21.0-22.0	1714.85	69.28	829.63	1.84	22.09
22.0-23.0	1695.06	71.55	901.18	1.91	24.00
23.0-24.0	1673.94	73.66	974.84	1.96	25.96
24.0-25.0	1648.89	75.55	1050.40	2.01	27.97
25.0-26.0	1623.23	77.24	1127.63	2.06	30.02
26.0-27.0	1593.11	78.69	1206.32	2.10	32.12
27.0-28.0	1560.20	79.83	1286.16	2.13	34.25
28.0-29.0	1527.94	80.79	1366.95	2.15	36.40
29.0-30.0	1489.43	81.47	1448.42	2.17	38.57
30.0-31.0	1449.86	81.80	1530.22	2.18	40.74
31.0-32.0	1405.33	81.80	1612.01	2.18	42.92
32.0-33.0	1358.99	81.44	1693.45	2.17	45.09
33.0-34.0	1315.22	80.93	1774.38	2.15	47.25
34.0-35.0	1269.33	80.27	1854.65	2.14	49.38
35.0-36.0	1225.18	79.43	1934.07	2.11	51.50
36.0-37.0	1178.85	78.41	2012.48	2.09	53.59
37.0-38.0	1132.07	77.14	2089.61	2.05	55.64
38.0-39.0	1086.29	75.72	2165.33	2.02	57.66
39.0-40.0	1044.48	74.31	2239.65	1.98	59.63

Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	999.89	72.80	2312.45	1.94	61.57
41.0-42.0	956.95	71.10	2383.54	1.89	63.47
42.0-43.0	912.97	69.27	2452.81	1.84	65.31
43.0-44.0	865.58	67.13	2519.94	1.79	67.10
44.0-45.0	821.76	64.85	2584.78	1.73	68.82
45.0-46.0	779.30	62.61	2647.40	1.67	70.49
46.0-47.0	734.35	60.20	2707.60	1.60	72.09
47.0-48.0	689.46	57.56	2765.16	1.53	73.63
48.0-49.0	645.10	54.80	2819.96	1.46	75.09
49.0-50.0	602.16	52.00	2871.96	1.38	76.47
50.0-51.0	561.54	49.23	2921.20	1.31	77.78
51.0-52.0	525.14	46.63	2967.83	1.24	79.02
52.0-53.0	491.73	44.23	3012.06	1.18	80.20
53.0-54.0	462.66	42.07	3054.13	1.12	81.32
54.0-55.0	435.45	40.09	3094.22	1.07	82.39
55.0-56.0	412.98	38.34	3132.56	1.02	83.41
56.0-57.0	390.29	36.73	3169.28	0.98	84.39
57.0-58.0	372.75	35.29	3204.57	0.94	85.33
58.0-59.0	350.98	33.83	3238.40	0.90	86.23
59.0-60.0	330.66	32.20	3270.61	0.86	87.08
60.0-61.0	313.15	30.72	3301.33	0.82	87.90
61.0-62.0	295.27	29.32	3330.65	0.78	88.68
62.0-63.0	278.29	27.90	3358.54	0.74	89.43
63.0-64.0	263.52	26.59	3385.13	0.71	90.13
64.0-65.0	253.41	25.58	3410.71	0.68	90.82
65.0-66.0	241.00	24.67	3435.38	0.66	91.47
66.0-67.0	231.28	23.75	3459.13	0.63	92.10
67.0-68.0	223.94	23.06	3482.19	0.61	92.72
68.0-69.0	217.36	22.51	3504.70	0.60	93.32
69.0-70.0	209.99	21.95	3526.65	0.58	93.90
70.0-71.0	203.33	21.36	3548.01	0.57	94.47
71.0-72.0	193.66	20.64	3568.65	0.55	95.02
72.0-73.0	183.26	19.71	3588.37	0.52	95.55
73.0-74.0	173.02	18.73	3607.10	0.50	96.04
74.0-75.0	162.47	17.73	3624.82	0.47	96.52
75.0-76.0	152.41	16.71	3641.54	0.45	96.96
76.0-77.0	141.57	15.67	3657.21	0.42	97.38
77.0-78.0	132.01	14.65	3671.86	0.39	97.77
78.0-79.0	121.40	13.62	3685.47	0.36	98.13
79.0-80.0	112.28	12.60	3698.07	0.34	98.47
80.0-81.0	101.77	11.58	3709.65	0.31	98.77

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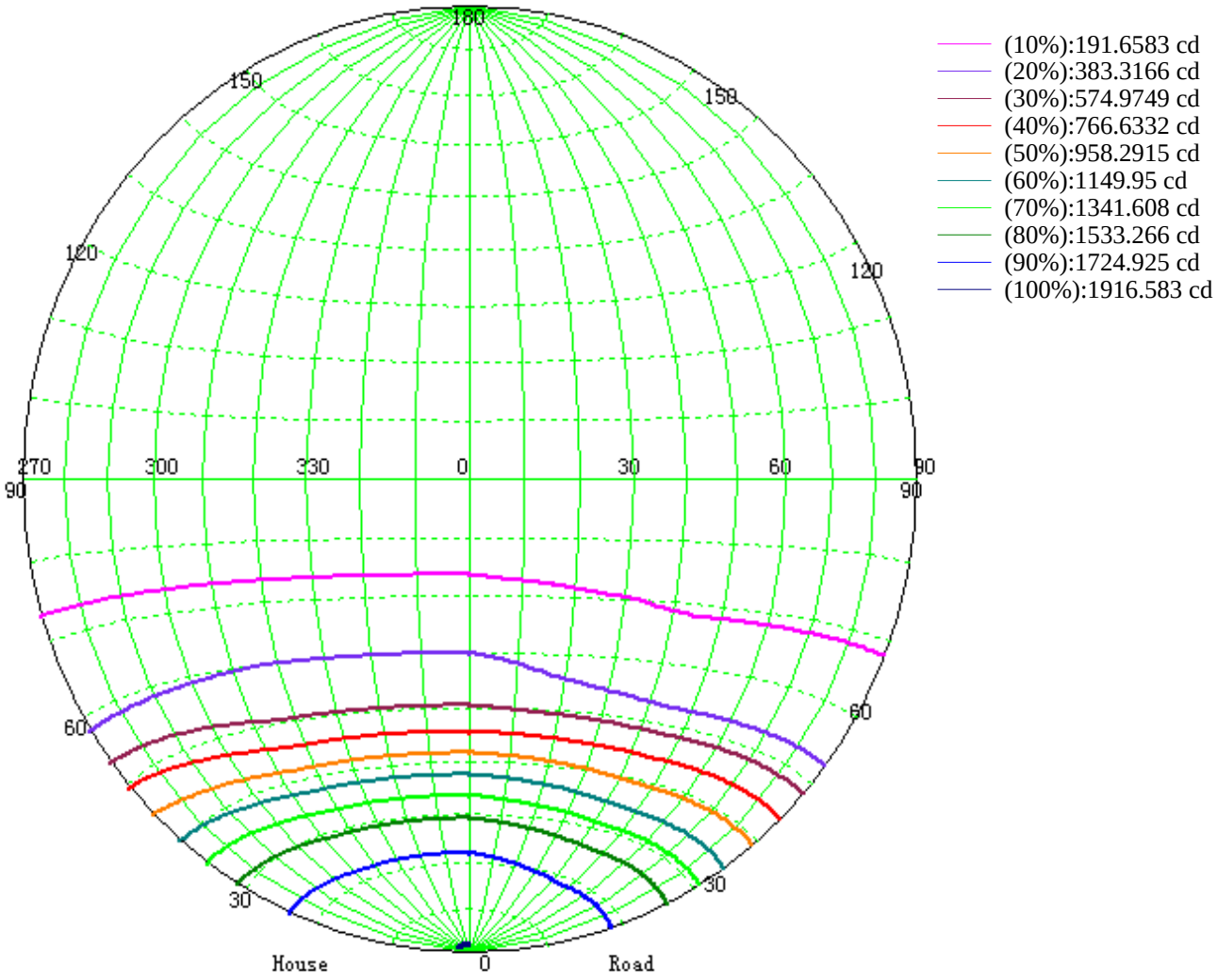
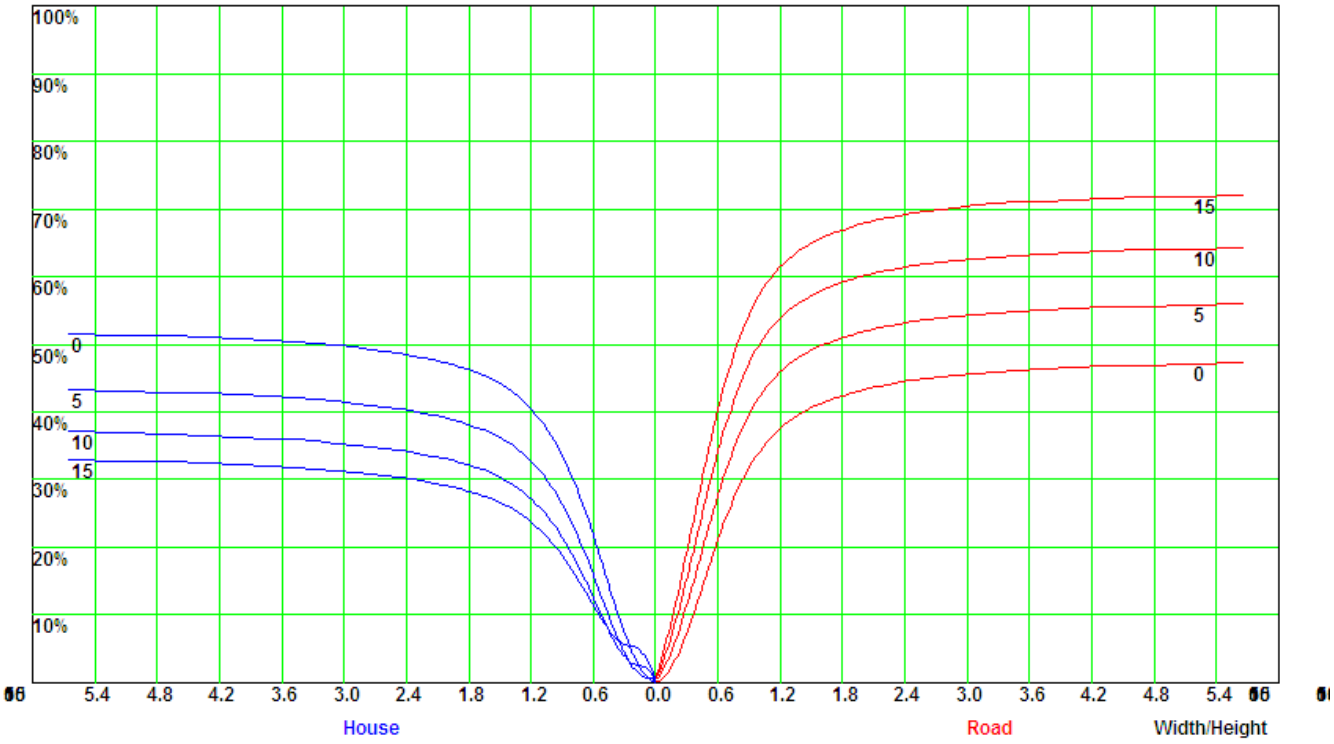
Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	89.04	10.35	3719.99	0.28	99.05
82.0-83.0	77.23	9.04	3729.03	0.24	99.29
83.0-84.0	63.60	7.67	3736.71	0.20	99.50
84.0-85.0	49.41	6.17	3742.87	0.16	99.66
85.0-86.0	37.89	4.77	3747.64	0.13	99.79
86.0-87.0	26.61	3.53	3751.18	0.09	99.88
87.0-88.0	15.77	2.32	3753.50	0.06	99.94
88.0-89.0	8.93	1.35	3754.85	0.04	99.98
89.0-90.0	5.98	0.82	3755.67	0.02	100.00

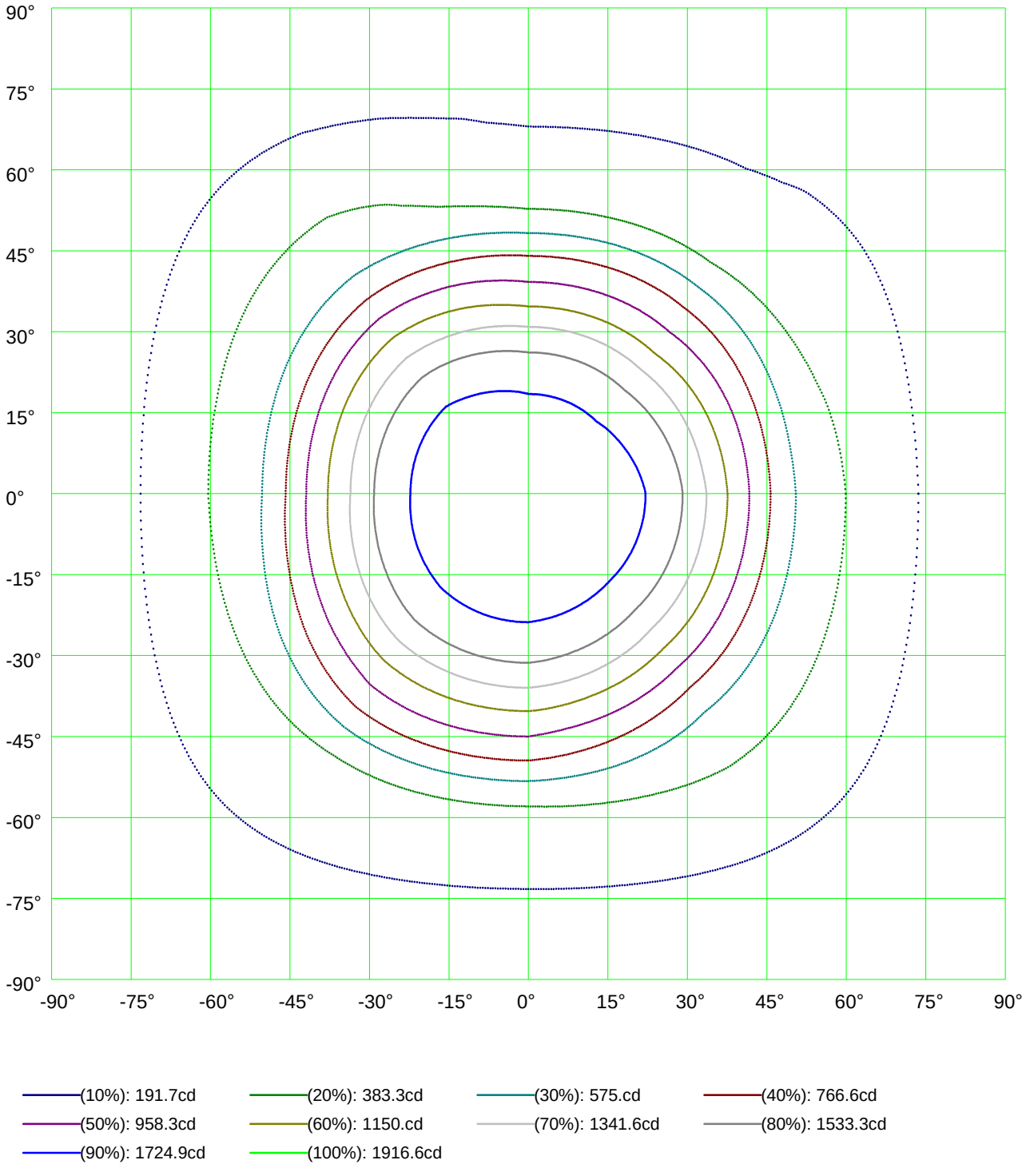
Iso-Candela [cd]



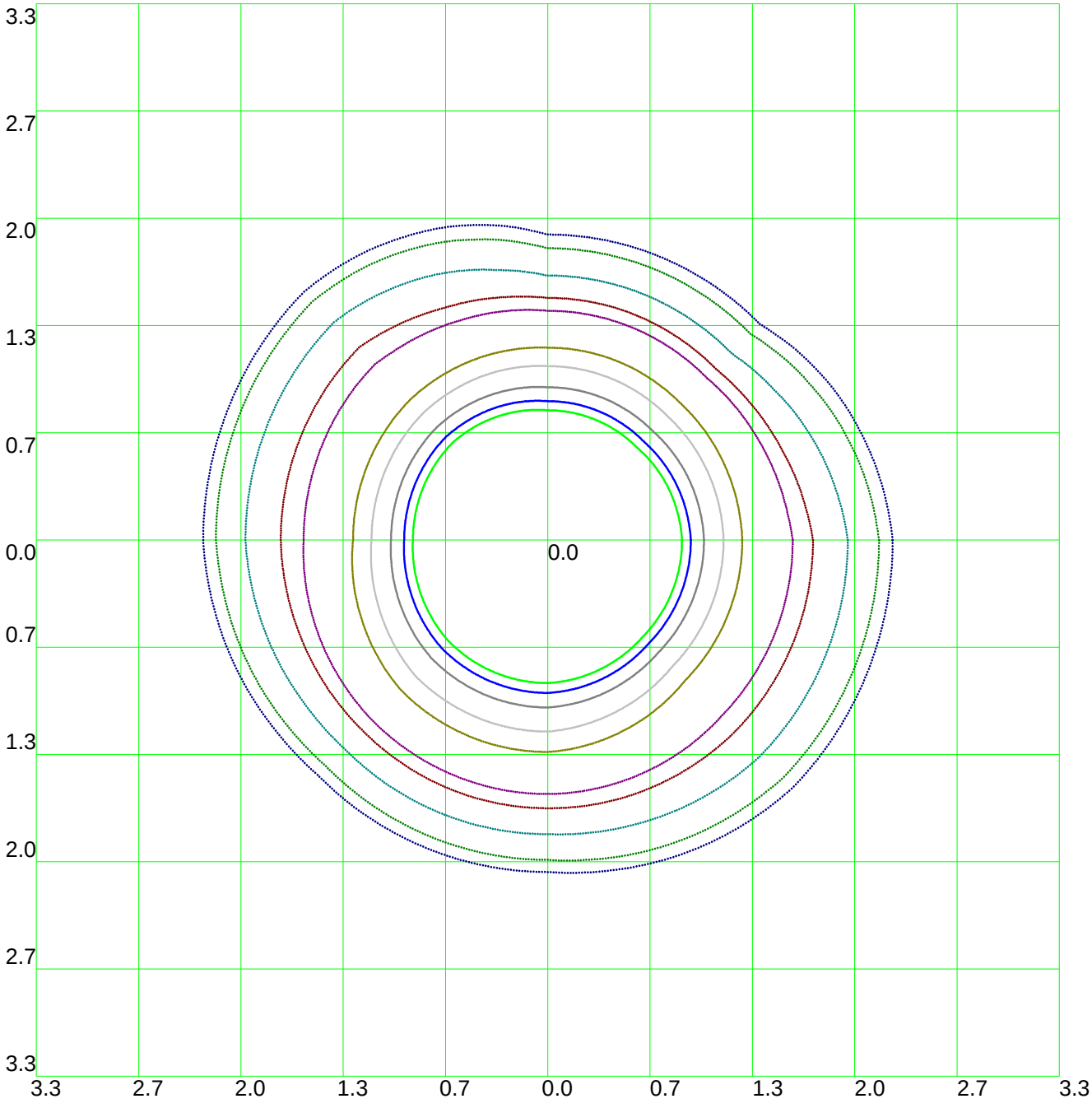
Coefficient Utilization Curve



Isocandela(rectangle)



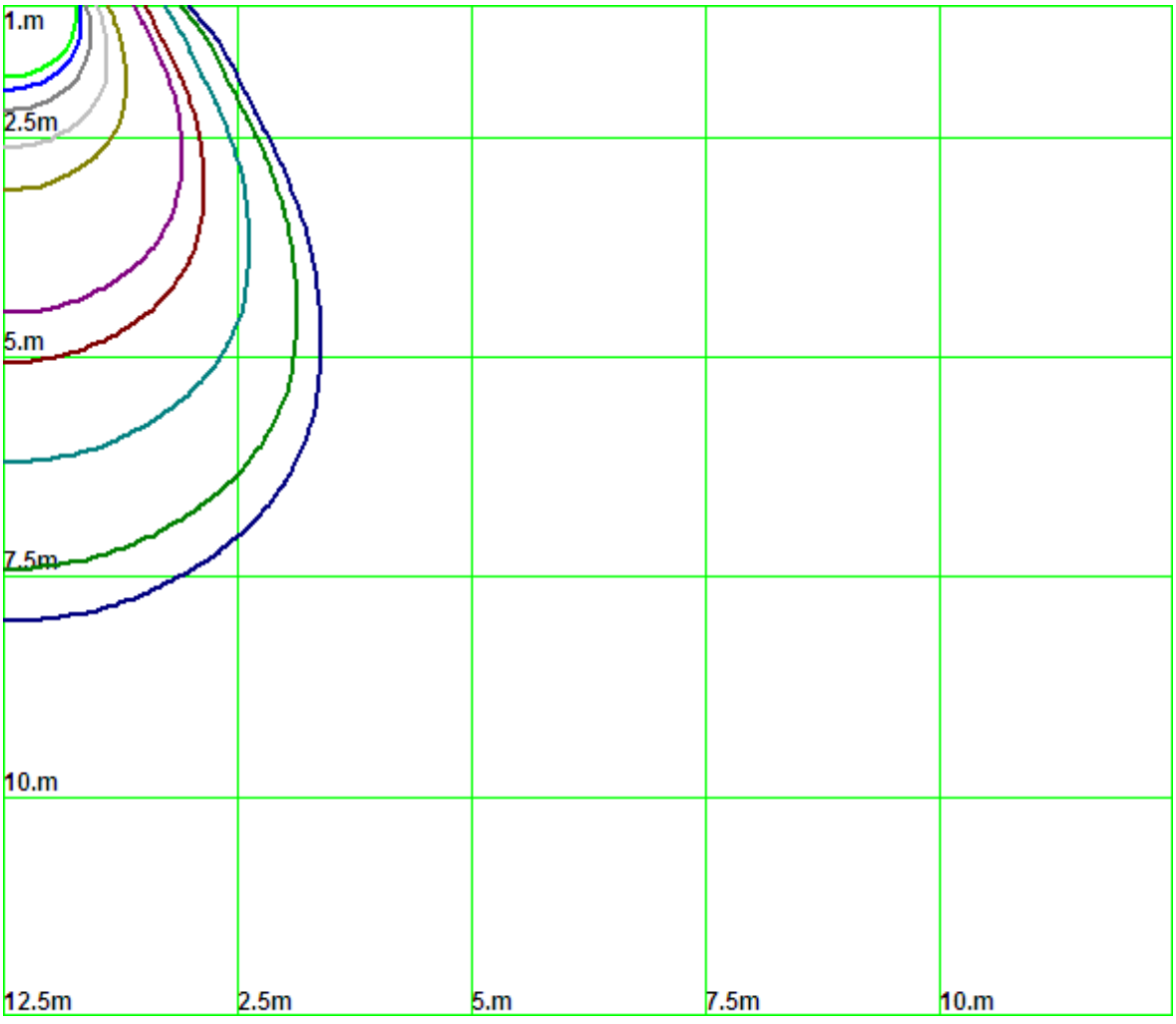
Isolx curve



Height: 1 m

(10%): 30.lx
(20%): 35.lx
(30%): 50.lx
(40%): 75.lx
(50%): 95.lx
(60%): 200.lx
(70%): 280.lx
(80%): 400.lx
(90%): 500.lx
(100%): 580.lx

Space Isolx Curve



(10%): 30.lx
(20%): 35.lx
(30%): 50.lx
(40%): 75.lx
(50%): 95.lx
(60%): 200.lx
(70%): 280.lx
(80%): 400.lx
(90%): 500.lx
(100%): 580.lx

Luminance Limitting Curve

Diameter: mm

Length: 620mm

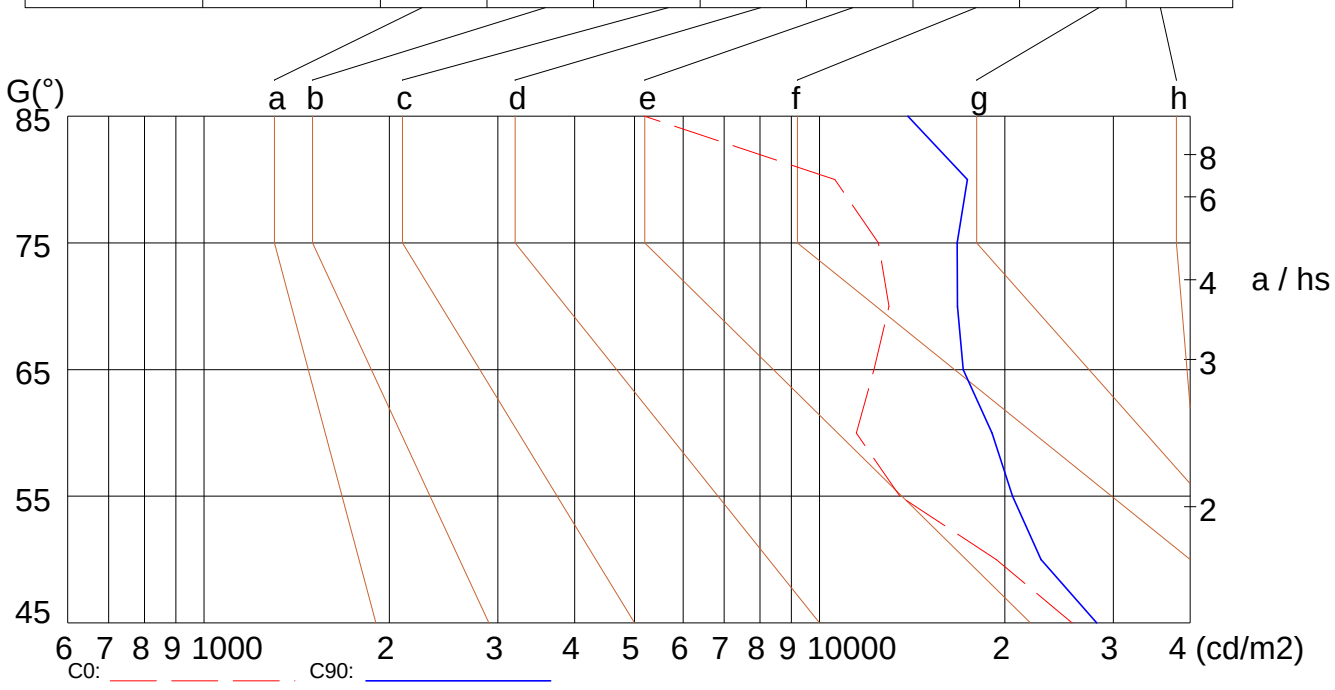
Width: 620mm

Height: mm

(cd/m2)

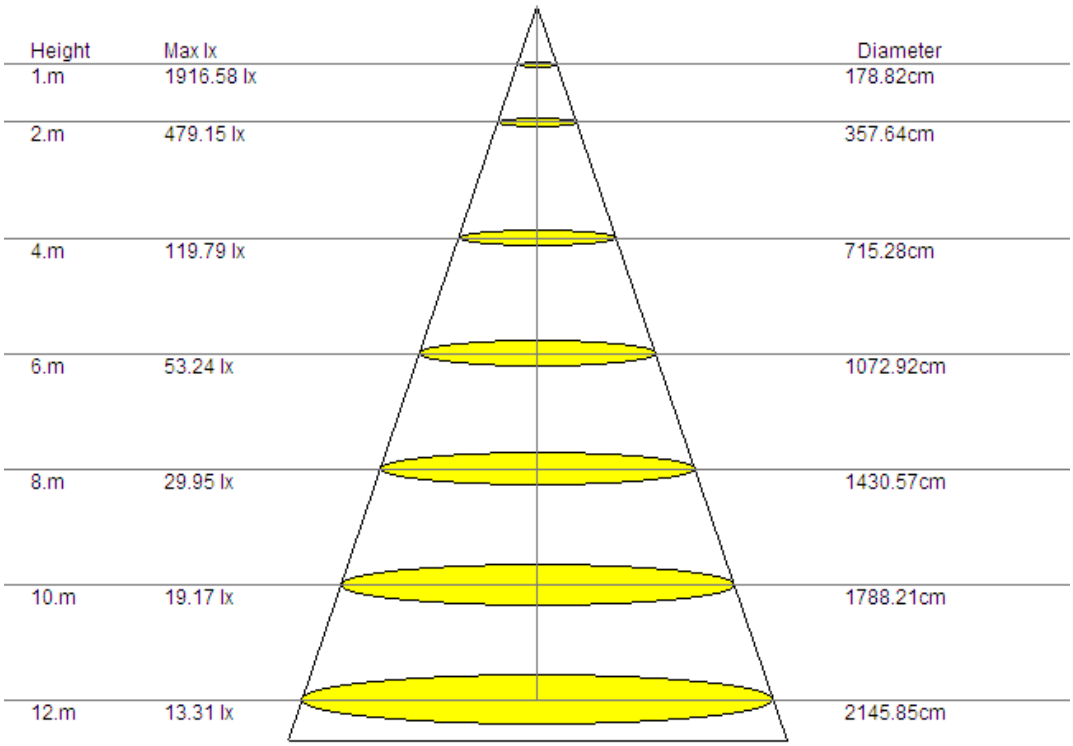
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	25727	19346	13505	11469	12260	12959	12459	10591	5191
C90	28202	22893	20580	19048	17114	16748	16735	17377	13916

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. Limitting Curve (C0/C90)

Lux-Distance Curve

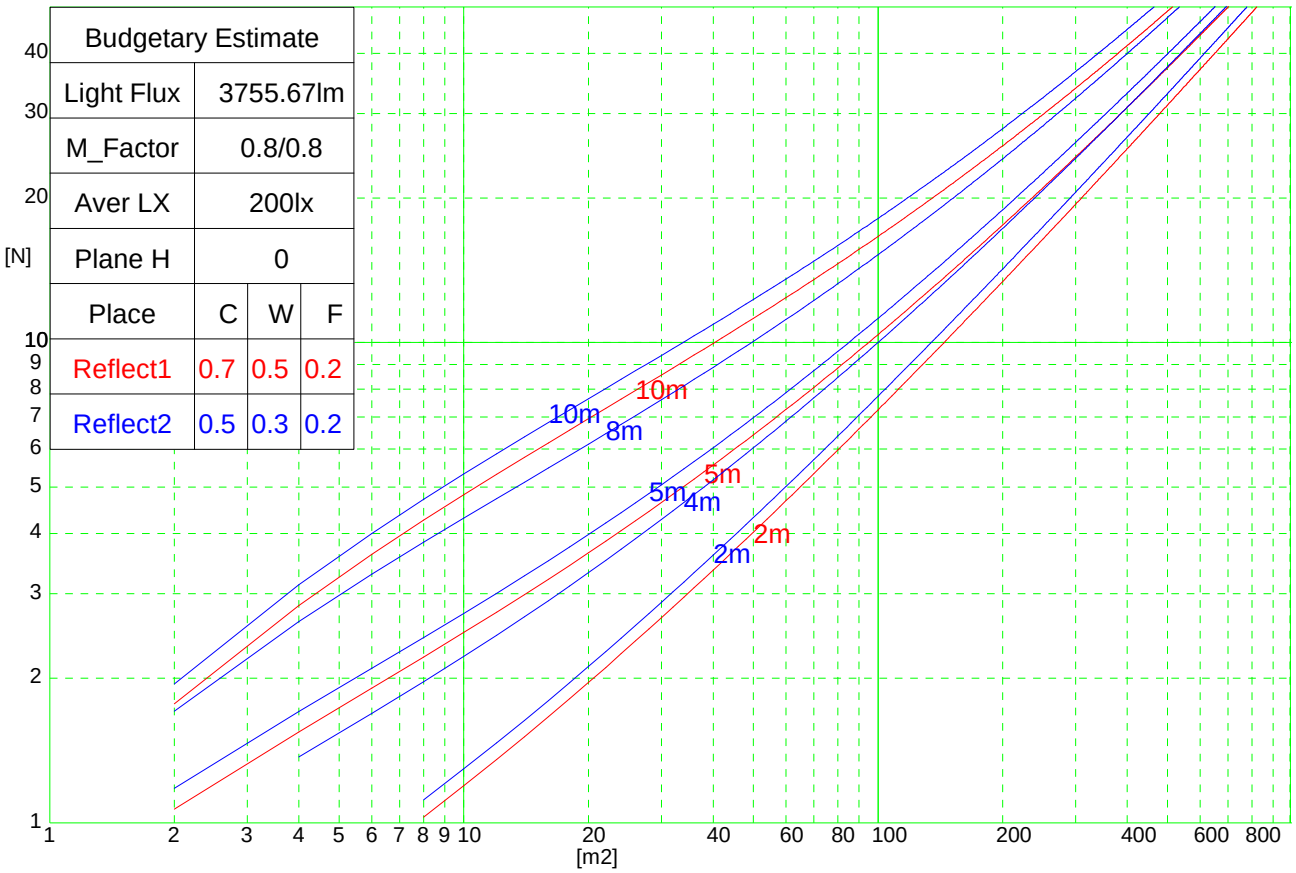


Beam Angle:83.60°(50%Imax)

Cofficiencts of Utilization

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	COEFFCIENTS 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	1.07	1.06	1.05	1.06	1.04	1.03	1.02	1.00	0.98	0.97	0.95	0.93	0.90	0.88	0.86	0.81
2	0.94	0.92	0.90	0.93	0.91	0.89	0.91	0.88	0.85	0.87	0.83	0.81	0.82	0.78	0.75	0.70
3	0.83	0.81	0.79	0.83	0.80	0.77	0.81	0.77	0.74	0.78	0.74	0.70	0.74	0.70	0.66	0.62
4	0.74	0.71	0.70	0.74	0.70	0.68	0.73	0.68	0.65	0.71	0.66	0.62	0.68	0.63	0.58	0.54
5	0.66	0.63	0.62	0.66	0.63	0.61	0.66	0.61	0.58	0.64	0.59	0.55	0.62	0.57	0.52	0.48
6	0.59	0.57	0.55	0.60	0.56	0.54	0.60	0.55	0.52	0.59	0.54	0.49	0.58	0.52	0.47	0.43
7	0.54	0.51	0.50	0.54	0.51	0.49	0.55	0.50	0.47	0.54	0.49	0.45	0.53	0.47	0.42	0.39
8	0.49	0.47	0.45	0.50	0.46	0.44	0.50	0.46	0.43	0.50	0.45	0.41	0.49	0.43	0.39	0.35
9	0.45	0.43	0.41	0.45	0.42	0.41	0.46	0.42	0.39	0.46	0.41	0.37	0.46	0.40	0.35	0.32
10	0.41	0.39	0.38	0.42	0.39	0.37	0.43	0.39	0.36	0.43	0.38	0.34	0.43	0.37	0.32	0.30

Indoor Budgetary Estimate Chart



UGR Glare Index

Ceiling		70	70	50	50	30	70	70	50	50	30
Wall		50	30	50	30	30	50	30	50	30	30
Floor		20	20	20	20	20	20	20	20	20	20
Room Size		Weft to light axis direction of observation					Direction of light axis parallel observation				
X	Y										
2H	2H	13.9	15.1	14.1	15.0	15.6	13.9	15.1	14.0	15.1	15.6
	3H	15.4	16.5	15.8	16.9	16.9	15.3	16.4	15.5	16.8	17.0
	4H	16.0	17.1	16.4	17.6	17.8	16.0	17.1	16.4	17.5	17.8
	6H	16.7	17.5	17.0	17.9	17.9	16.5	17.3	16.8	17.9	17.9
	8H	16.8	17.8	17.1	18.0	18.2	16.8	17.7	16.9	17.9	18.2
	12H	16.9	17.8	17.1	18.1	18.4	16.7	17.6	17.1	18.1	18.5
4H	2H	14.8	15.7	15.0	15.8	16.0	14.8	15.6	14.9	15.9	16.0
	3H	16.5	17.4	16.7	17.4	17.7	16.3	17.2	16.6	17.3	17.7
	4H	17.3	17.9	17.5	18.0	18.4	17.0	17.8	17.4	18.0	18.5
	6H	17.8	18.5	18.1	18.7	19.1	17.7	18.4	17.9	18.6	18.9
	8H	18.0	18.6	18.3	18.9	19.2	18.0	18.4	18.2	18.9	19.2
	12H	18.2	18.7	18.6	18.9	19.4	18.1	18.7	18.4	19.0	19.3
8H	4H	17.4	18.1	17.8	18.3	18.7	17.5	18.0	17.7	18.4	18.7
	6H	18.2	18.7	18.7	19.0	19.4	18.1	18.6	18.5	19.1	19.4
	8H	18.7	19.1	19.1	19.4	19.7	18.5	18.9	19.0	19.3	19.9
	12H	18.9	19.3	19.2	19.7	20.0	18.7	19.2	19.2	19.7	20.0
12H	4H	17.6	18.2	18.0	18.5	18.7	17.5	18.0	17.9	18.4	18.7
	6H	18.5	19.0	18.8	19.0	19.5	18.3	18.8	18.8	19.1	19.5
	8H	18.8	19.2	19.2	19.4	19.9	18.7	19.0	19.1	19.5	19.9