Luminaire Property

Luminaire: RH-RPL6262 UGR＜19 38W 4000K

Report NO.:
Test NO.:
Lamp:
Sum Lumens: 4427.15 lm
Number of Lamps: 1
Diameter: mm
Length: 620mm
Photometric Type: Type C

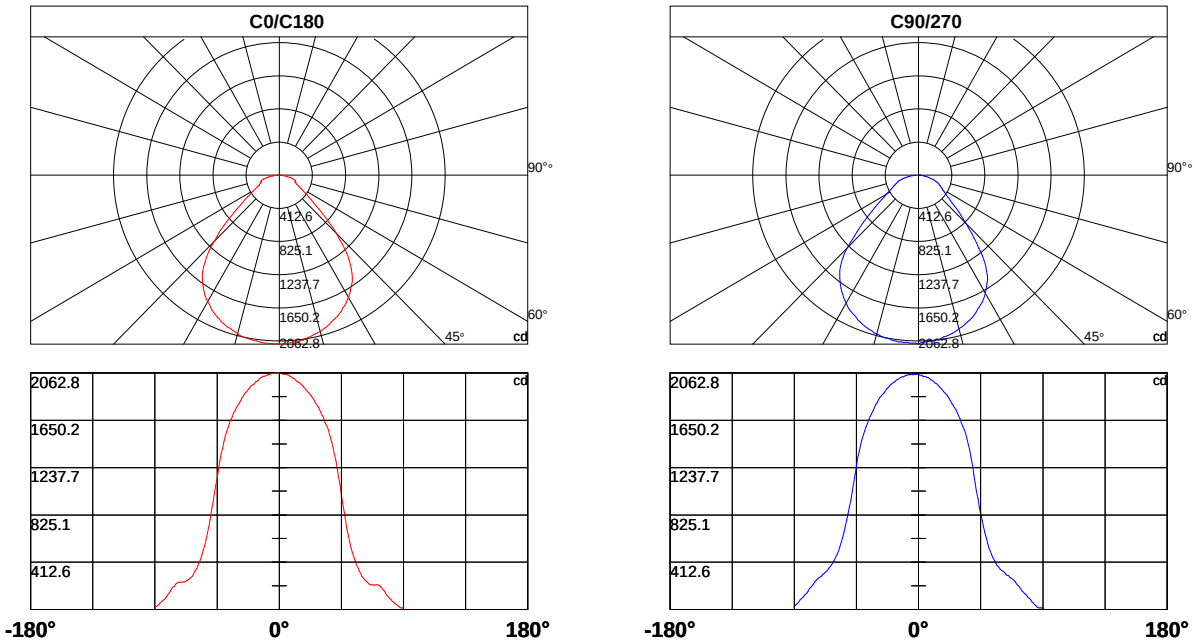
Voltage: 231.0 V
Current: 0.165 A
Power: 36.3 W
Power Factor: 0.951
Ballast Type: LIFUD LF-GIF040YA1000H 1000mA
Width: 620mm
Height: 12mm
Remark: OSRAM 0.5w SMD2835 12C18B

Photometric Results

Lumens: 4427.15 lm
Efficiency: 121.9601 lm/W
Central Intensity: 2057.482cd
Maximum Intensity: 2062.793cd

Beam Angle(10%): Left: -76.8 Right:71.6

Angle of maximum intensity: C:0.0 G:1.0
Half Peak Side Angle(50%): Left: -47.8 Right:43.6
Light Out Rate(LOR) : 100.00%
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%



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	2057.5	2062.8	2056.8	2053.1	2051.8	2049.1	2046.1	2042.4	2033.1	2029.5
45.0	2057.5	2044.1	2043.8	2035.4	2032.5	2033.4	2023.8	2022.1	2014.1	2000.4
90.0	2057.5	2044.1	2043.8	2035.4	2032.5	2033.4	2023.8	2022.1	2014.1	2000.4
135.0	2057.5	2062.5	2062.8	2060.1	2058.5	2060.8	2055.8	2051.8	2045.8	2045.5
180.0	2057.5	2062.5	2062.8	2060.1	2058.5	2060.8	2055.8	2051.8	2045.8	2045.5
225.0	2057.5	2049.8	2053.1	2053.5	2046.5	2051.8	2047.8	2051.5	2043.8	2045.2
270.0	2057.5	2049.8	2053.1	2053.5	2046.5	2051.8	2047.8	2051.5	2043.8	2045.2
315.0	2057.5	2062.8	2056.8	2053.1	2051.8	2049.1	2046.1	2042.4	2033.1	2029.5
360.0	2057.5	2062.8	2056.8	2053.1	2051.8	2049.1	2046.1	2042.4	2033.1	2029.5

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	2016.8	2012.4	1999.8	1991.1	1982.1	1977.1	1961.1	1951.7	1938.1	1921.0
45.0	1997.1	1987.7	1975.7	1970.4	1956.7	1943.7	1933.4	1918.7	1901.3	1890.7
90.0	1997.1	1987.7	1975.7	1970.4	1956.7	1943.7	1933.4	1918.7	1901.3	1890.7
135.0	2035.1	2035.4	2028.8	2025.1	2016.8	2002.4	1990.8	1984.4	1969.7	1961.4
180.0	2035.1	2035.4	2028.8	2025.1	2016.8	2002.4	1990.8	1984.4	1969.7	1961.4
225.0	2034.5	2029.5	2029.5	2023.4	2014.8	2007.4	2003.4	1987.4	1982.7	1970.4
270.0	2034.5	2029.5	2029.5	2023.4	2014.8	2007.4	2003.4	1987.4	1982.7	1970.4
315.0	2016.8	2012.4	1999.8	1991.1	1982.1	1977.1	1961.1	1951.7	1938.1	1921.0
360.0	2016.8	2012.4	1999.8	1991.1	1982.1	1977.1	1961.1	1951.7	1938.1	1921.0

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1906.4	1894.3	1878.3	1868.0	1848.9	1829.9	1805.6	1789.6	1769.9	1747.2
45.0	1879.0	1862.3	1843.3	1823.3	1798.6	1781.6	1761.5	1742.9	1717.5	1691.5
90.0	1879.0	1862.3	1843.3	1823.3	1798.6	1781.6	1761.5	1742.9	1717.5	1691.5
135.0	1954.7	1940.0	1925.7	1908.7	1895.0	1881.0	1864.0	1846.6	1822.0	1801.3
180.0	1954.7	1940.0	1925.7	1908.7	1895.0	1881.0	1864.0	1846.6	1822.0	1801.3
225.0	1962.1	1949.7	1935.0	1925.0	1905.3	1888.7	1876.0	1864.3	1847.6	1827.3
270.0	1962.1	1949.7	1935.0	1925.0	1905.3	1888.7	1876.0	1864.3	1847.6	1827.3
315.0	1906.4	1894.3	1878.3	1868.0	1848.9	1829.9	1805.6	1789.6	1769.9	1747.2
360.0	1906.4	1894.3	1878.3	1868.0	1848.9	1829.9	1805.6	1789.6	1769.9	1747.2

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1722.5	1698.9	1672.2	1637.1	1611.7	1585.4	1549.7	1505.0	1455.3	1408.2
45.0	1661.8	1626.4	1600.1	1567.7	1534.3	1492.0	1435.3	1390.2	1326.8	1254.1
90.0	1661.8	1626.4	1600.1	1567.7	1534.3	1492.0	1435.3	1390.2	1326.8	1254.1
135.0	1779.9	1762.2	1736.9	1713.2	1682.1	1651.8	1626.8	1585.7	1554.7	1511.6
180.0	1779.9	1762.2	1736.9	1713.2	1682.1	1651.8	1626.8	1585.7	1554.7	1511.6
225.0	1806.3	1782.9	1759.2	1734.8	1711.8	1684.8	1657.8	1623.8	1595.1	1558.7
270.0	1806.3	1782.9	1759.2	1734.8	1711.8	1684.8	1657.8	1623.8	1595.1	1558.7
315.0	1722.5	1698.9	1672.2	1637.1	1611.7	1585.4	1549.7	1505.0	1455.3	1408.2
360.0	1722.5	1698.9	1672.2	1637.1	1611.7	1585.4	1549.7	1505.0	1455.3	1408.2

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	1353.9	1295.8	1227.8	1153.0	1083.0	996.9	930.8	846.7	776.3	704.0
45.0	1172.3	1102.7	1029.9	965.9	893.8	837.4	776.0	723.6	672.9	623.9
90.0	1172.3	1102.7	1029.9	965.9	893.8	837.4	776.0	723.6	672.9	623.9
135.0	1464.6	1407.2	1356.8	1293.8	1222.4	1147.3	1078.6	1016.2	934.8	865.1
180.0	1464.6	1407.2	1356.8	1293.8	1222.4	1147.3	1078.6	1016.2	934.8	865.1
225.0	1525.3	1479.3	1434.2	1379.5	1323.8	1250.5	1176.7	1097.0	1030.6	954.5
270.0	1525.3	1479.3	1434.2	1379.5	1323.8	1250.5	1176.7	1097.0	1030.6	954.5
315.0	1353.9	1295.8	1227.8	1153.0	1083.0	996.9	930.8	846.7	776.3	704.0
360.0	1353.9	1295.8	1227.8	1153.0	1083.0	996.9	930.8	846.7	776.3	704.0

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	640.2	586.5	539.1	500.1	454.7	425.0	392.0	362.0	335.0	314.6
45.0	577.5	537.5	505.4	475.7	449.4	427.4	402.3	382.3	367.3	351.3
90.0	577.5	537.5	505.4	475.7	449.4	427.4	402.3	382.3	367.3	351.3
135.0	789.0	724.0	660.6	609.9	559.8	517.8	473.1	437.0	405.0	379.0
180.0	789.0	724.0	660.6	609.9	559.8	517.8	473.1	437.0	405.0	379.0
225.0	896.1	837.7	781.7	723.0	669.6	626.9	589.9	545.8	508.5	482.4
270.0	896.1	837.7	781.7	723.0	669.6	626.9	589.9	545.8	508.5	482.4
315.0	640.2	586.5	539.1	500.1	454.7	425.0	392.0	362.0	335.0	314.6
360.0	640.2	586.5	539.1	500.1	454.7	425.0	392.0	362.0	335.0	314.6

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	288.6	272.6	257.6	245.2	234.9	222.5	216.2	213.2	215.2	212.5
45.0	341.0	333.6	324.0	309.6	299.3	294.9	281.6	272.6	265.9	254.9
90.0	341.0	333.6	324.0	309.6	299.3	294.9	281.6	272.6	265.9	254.9
135.0	352.3	333.3	308.0	289.9	276.3	268.9	259.2	251.9	242.9	240.2
180.0	352.3	333.3	308.0	289.9	276.3	268.9	259.2	251.9	242.9	240.2
225.0	455.1	429.7	411.7	387.7	374.7	358.6	338.9	330.6	319.0	308.9
270.0	455.1	429.7	411.7	387.7	374.7	358.6	338.9	330.6	319.0	308.9
315.0	288.6	272.6	257.6	245.2	234.9	222.5	216.2	213.2	215.2	212.5
360.0	288.6	272.6	257.6	245.2	234.9	222.5	216.2	213.2	215.2	212.5

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	215.8	214.2	211.2	203.5	193.2	176.8	161.1	142.8	125.5	108.1
45.0	242.2	223.2	209.5	197.2	181.8	160.1	150.5	133.4	125.1	108.1
90.0	242.2	223.2	209.5	197.2	181.8	160.1	150.5	133.4	125.1	108.1
135.0	240.2	237.6	237.6	237.9	231.5	221.2	202.2	194.8	177.8	155.2
180.0	240.2	237.6	237.6	237.9	231.5	221.2	202.2	194.8	177.8	155.2
225.0	293.2	283.6	279.2	265.6	257.2	238.9	223.5	208.2	194.2	181.2
270.0	293.2	283.6	279.2	265.6	257.2	238.9	223.5	208.2	194.2	181.2
315.0	215.8	214.2	211.2	203.5	193.2	176.8	161.1	142.8	125.5	108.1
360.0	215.8	214.2	211.2	203.5	193.2	176.8	161.1	142.8	125.5	108.1

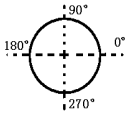
Photometric Data Table [cd]

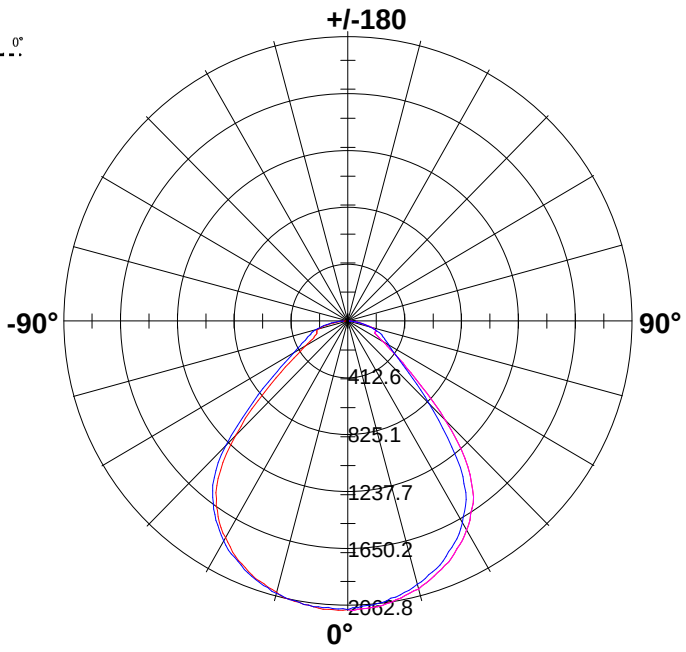
C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	95.1	85.4	69.7	64.7	50.7	45.4	29.7	22.7	15.3	13.3
45.0	98.1	85.7	66.7	56.0	41.4	31.7	20.3	15.3	12.3	12.3
90.0	98.1	85.7	66.7	56.0	41.4	31.7	20.3	15.3	12.3	12.3
135.0	139.5	120.4	105.8	86.8	79.8	70.4	59.4	44.7	32.0	26.7
180.0	139.5	120.4	105.8	86.8	79.8	70.4	59.4	44.7	32.0	26.7
225.0	159.8	142.5	131.4	116.8	102.4	94.4	79.8	61.0	51.0	38.3
270.0	159.8	142.5	131.4	116.8	102.4	94.4	79.8	61.0	51.0	38.3
315.0	95.1	85.4	69.7	64.7	50.7	45.4	29.7	22.7	15.3	13.3
360.0	95.1	85.4	69.7	64.7	50.7	45.4	29.7	22.7	15.3	13.3

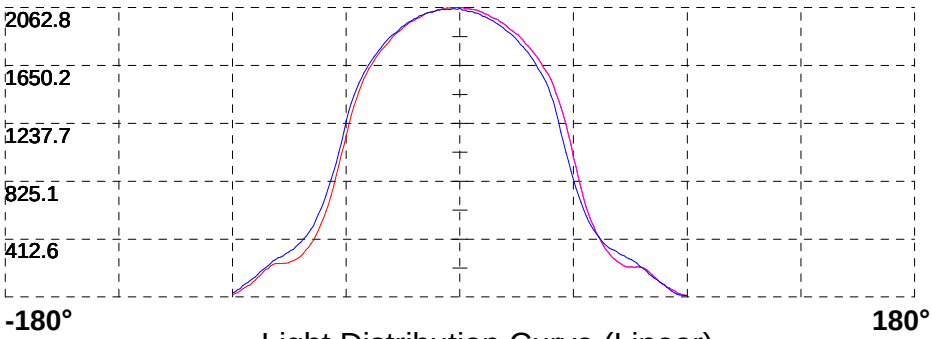
C\G	90.0
0.0	10.0
45.0	10.3
90.0	10.3
135.0	15.3
180.0	15.3
225.0	28.0
270.0	28.0
315.0	10.0
360.0	10.0

Light Distribution Curve [Unit: cd]

Luminaire



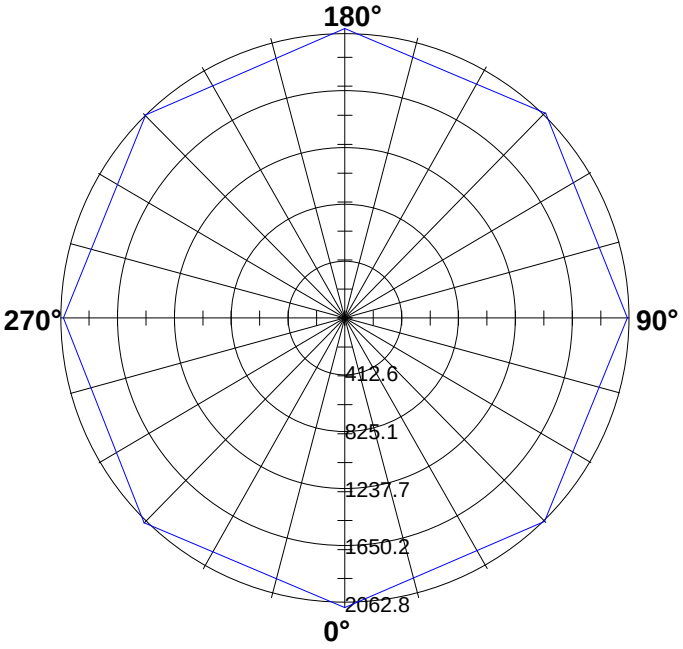


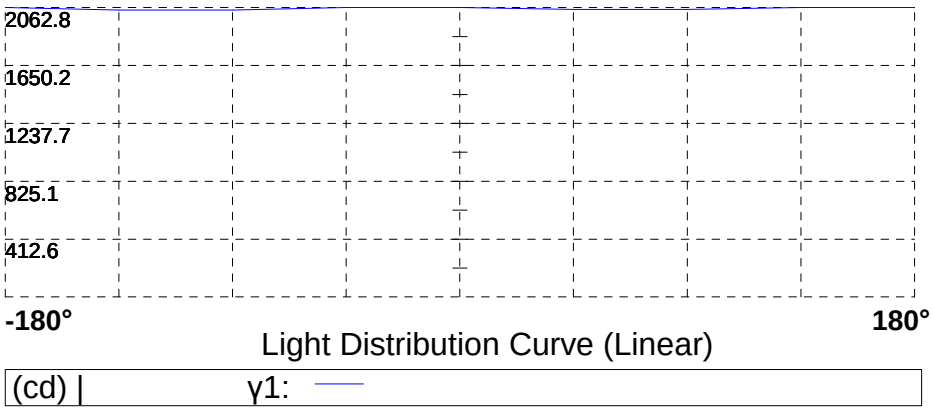


Light Distribution Curve (Linear)

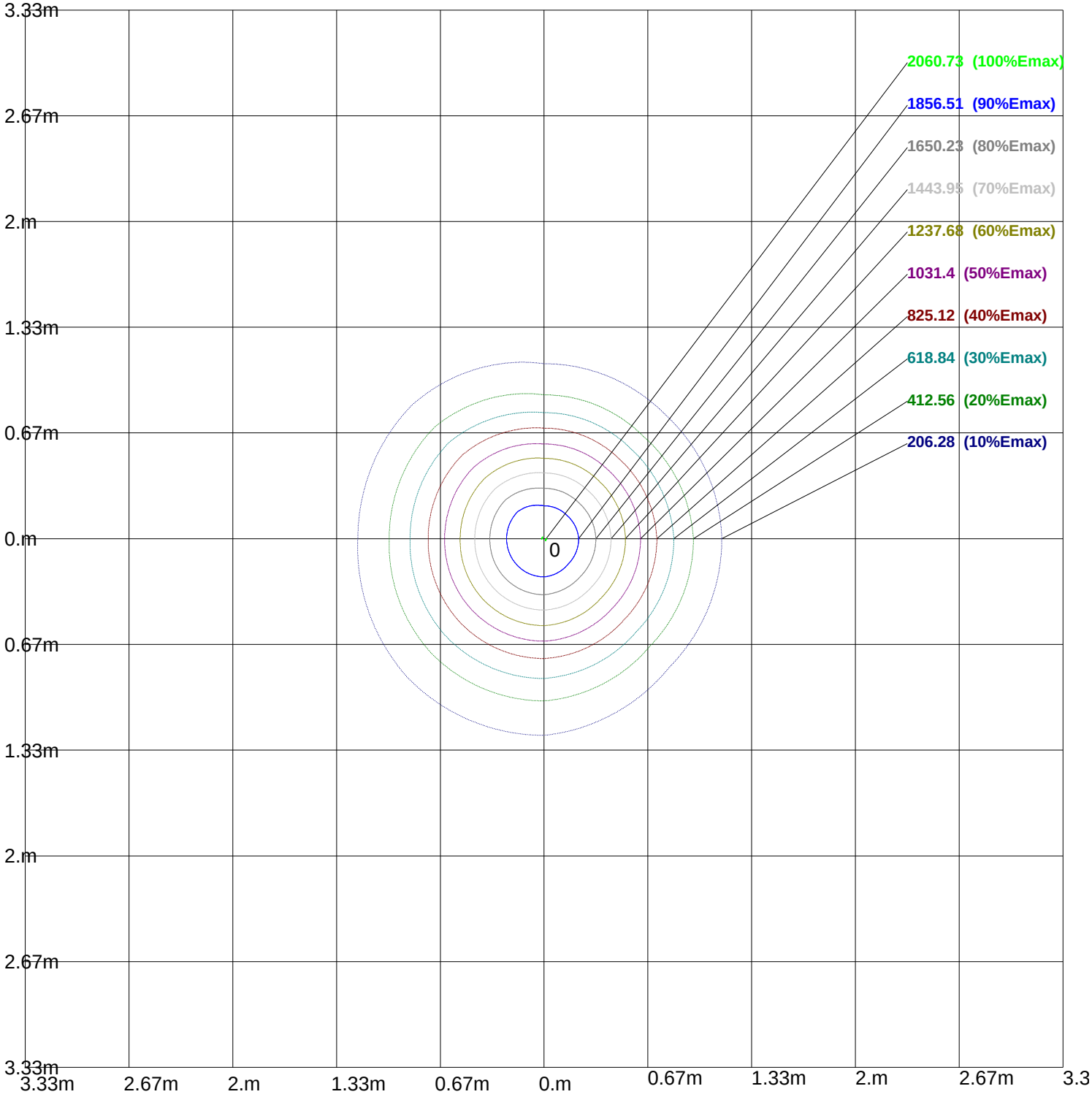
(cd) | C0/C180: C90/C270: C0:

Max Plane Light Distribution Curve [Unit: cd]





Iso-Lux[lx]



Height: 1 m
Max Illuminance : 2062.79lx

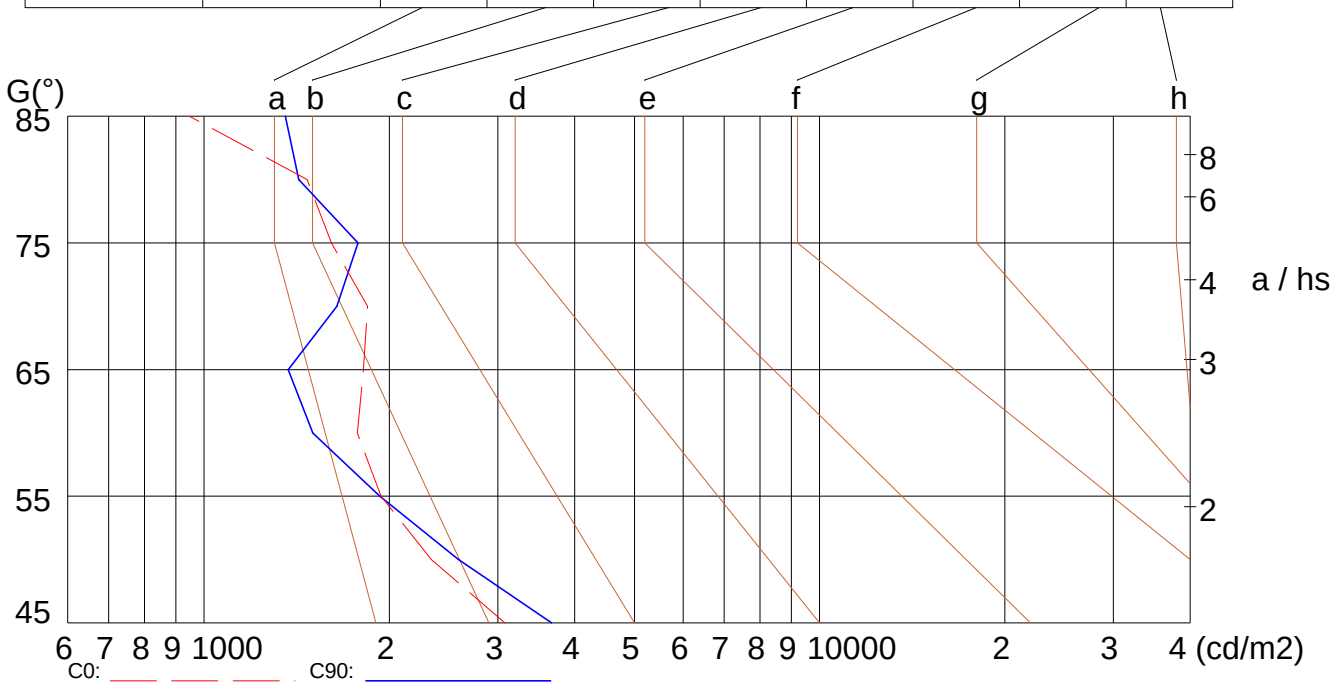
Luminance Limitting Curve

Diameter: mm
Length: 620mm
Width: 620mm
Height: 12mm

(cd/m2)

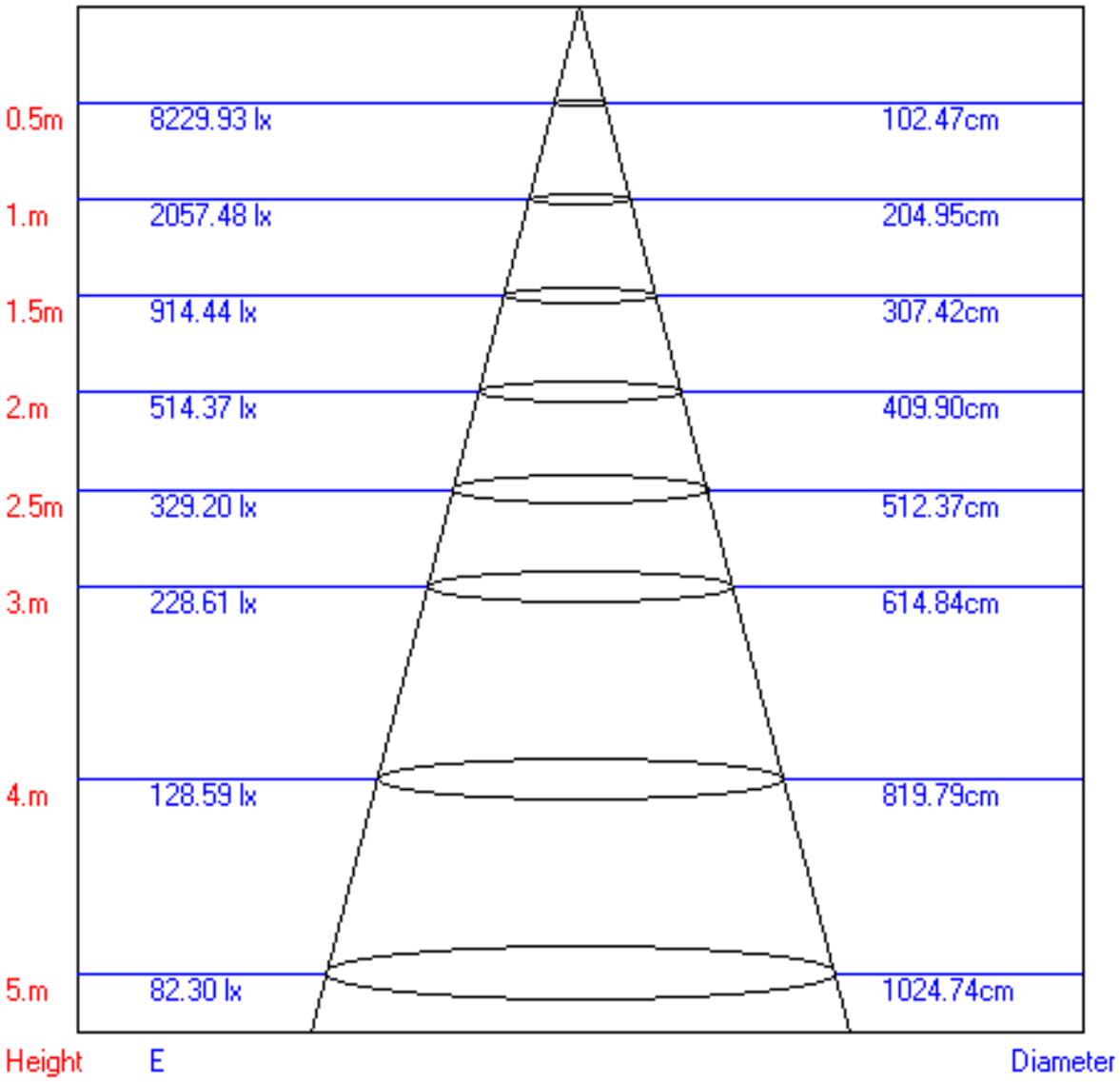
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	3081	2337	1938	1774	1815	1842	1609	1470	946
C90	3668	2591	1928	1501	1370	1642	1777	1425	1355

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:91.40°

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	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	1.04	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	0.90	0.88	0.90	0.87	0.85	0.87	0.83	0.80	0.82	0.78	0.75	0.70
3	0.83	0.80	0.79	0.82	0.79	0.77	0.81	0.77	0.74	0.78	0.74	0.70	0.74	0.70	0.66	0.61
4	0.73	0.71	0.69	0.73	0.70	0.68	0.72	0.68	0.65	0.70	0.65	0.62	0.68	0.62	0.58	0.54
5	0.65	0.63	0.61	0.66	0.62	0.60	0.65	0.61	0.57	0.64	0.59	0.55	0.62	0.56	0.52	0.48
6	0.59	0.56	0.55	0.59	0.56	0.53	0.59	0.54	0.51	0.58	0.53	0.49	0.57	0.51	0.46	0.43
7	0.53	0.51	0.49	0.53	0.50	0.48	0.54	0.49	0.46	0.53	0.48	0.44	0.53	0.46	0.42	0.38
8	0.48	0.46	0.44	0.49	0.45	0.43	0.49	0.45	0.42	0.49	0.44	0.40	0.49	0.43	0.38	0.35
9	0.44	0.42	0.40	0.45	0.41	0.40	0.45	0.41	0.38	0.46	0.40	0.36	0.45	0.39	0.34	0.31
10	0.40	0.38	0.37	0.41	0.38	0.36	0.42	0.38	0.35	0.42	0.37	0.33	0.42	0.36	0.32	0.29

Budgetary Estimate Chart			
Light Flux	4427.15 lmlm		
Maintenance	0.8/0.8		
Aver E	200lx		
Work Plane H	0		
Place Name	Cel	Wall	Floor
Reflect1	0.7	0.5	0.2
Reflect2	0.5	0.3	0.2