

Luminaire Property

Luminaire:

Report NO.:

Test NO.:

Lamp:

Sum Lumens: 1625.55 lm

Number of Lamps: 1

Diameter: 200mm

Length: mm

Photometric Type: Type C

Voltage: 221.0 V

Current: 0.158 A

Power: 20.8 W

Power Factor: 0.594

Ballast Type:

Width: mm

Height: mm

Remark:

Photometric Results

Lumens: 1625.55 lm

Efficiency: 78.1514 lm/W

Central Intensity: 3480.986cd

Maximum Intensity: 3510.905cd

Angle of maximum intensity: C:135.0 G:1.0

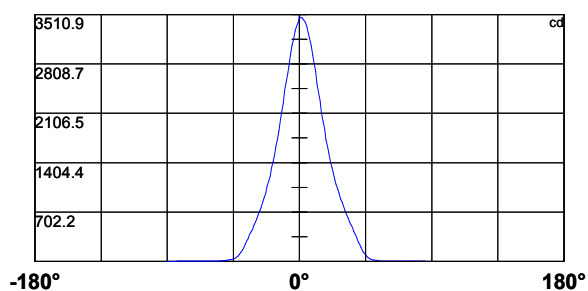
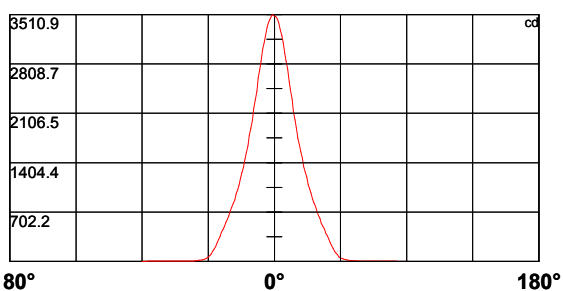
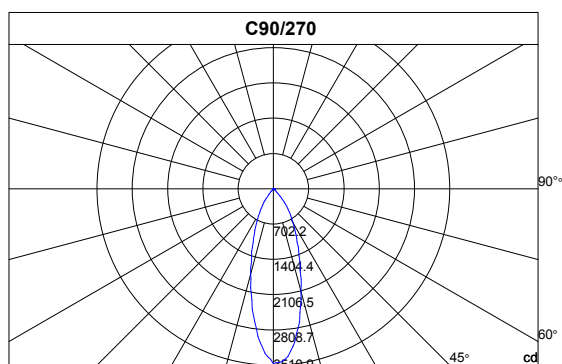
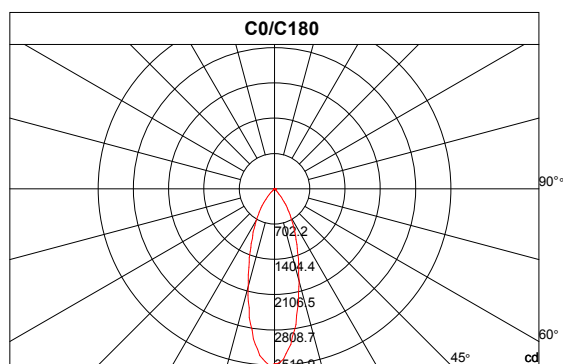
Half Peak Side Angle(50%): Left: -17.0 Right:16.2

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -37.3 Right:36.1



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	3481.0	3482.3	3445.3	3393.6	3288.0	3207.2	3114.8	2958.6	2849.8	2734.9
45.0	3481.0	3460.5	3461.0	3432.5	3396.2	3346.5	3246.9	3165.1	3073.2	2924.2
90.0	3481.0	3460.5	3461.0	3432.5	3396.2	3346.5	3246.9	3165.1	3073.2	2924.2
135.0	3481.0	3510.9	3496.1	3447.0	3395.3	3330.6	3211.4	3118.6	3017.9	2849.0
180.0	3481.0	3510.9	3496.1	3447.0	3395.3	3330.6	3211.4	3118.6	3017.9	2849.0
225.0	3481.0	3390.0	3340.6	3277.5	3159.6	3068.3	2962.3	2796.6	2675.5	2555.0
270.0	3481.0	3390.0	3340.6	3277.5	3159.6	3068.3	2962.3	2796.6	2675.5	2555.0
315.0	3481.0	3482.3	3445.3	3393.6	3288.0	3207.2	3114.8	2958.6	2849.8	2734.9
360.0	3481.0	3482.3	3445.3	3393.6	3288.0	3207.2	3114.8	2958.6	2849.8	2734.9

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	2554.0	2430.6	2308.9	2128.2	2013.2	1904.6	1748.9	1651.8	1560.1	1472.2
45.0	2817.4	2703.3	2523.4	2401.6	2281.2	2105.5	1995.1	1887.1	1732.5	1635.7
90.0	2817.4	2703.3	2523.4	2401.6	2281.2	2105.5	1995.1	1887.1	1732.5	1635.7
135.0	2730.3	2608.5	2422.4	2297.3	2178.4	2005.8	1895.0	1790.0	1640.9	1546.6
180.0	2730.3	2608.5	2422.4	2297.3	2178.4	2005.8	1895.0	1790.0	1640.9	1546.6
225.0	2432.8	2251.3	2132.6	2018.2	1851.0	1744.0	1643.3	1501.6	1413.3	1330.1
270.0	2432.8	2251.3	2132.6	2018.2	1851.0	1744.0	1643.3	1501.6	1413.3	1330.1
315.0	2554.0	2430.6	2308.9	2128.2	2013.2	1904.6	1748.9	1651.8	1560.1	1472.2
360.0	2554.0	2430.6	2308.9	2128.2	2013.2	1904.6	1748.9	1651.8	1560.1	1472.2

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1347.9	1270.3	1197.4	1094.4	1031.1	971.1	885.7	832.9	782.0	705.8
45.0	1543.8	1414.9	1337.1	1260.5	1155.7	1089.7	1028.8	970.0	889.5	838.9
90.0	1543.8	1414.9	1337.1	1260.5	1155.7	1089.7	1028.8	970.0	889.5	838.9
135.0	1460.2	1338.8	1262.0	1187.4	1084.3	1019.7	959.2	875.3	821.7	770.8
180.0	1460.2	1338.8	1262.0	1187.4	1084.3	1019.7	959.2	875.3	821.7	770.8
225.0	1212.7	1139.3	1067.8	968.3	908.3	852.8	774.1	724.5	676.4	604.8
270.0	1212.7	1139.3	1067.8	968.3	908.3	852.8	774.1	724.5	676.4	604.8
315.0	1347.9	1270.3	1197.4	1094.4	1031.1	971.1	885.7	832.9	782.0	705.8
360.0	1347.9	1270.3	1197.4	1094.4	1031.1	971.1	885.7	832.9	782.0	705.8

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	657.4	610.5	543.6	501.1	461.7	401.0	364.3	325.3	265.1	226.4
45.0	789.6	716.0	670.7	625.8	563.3	522.3	482.6	424.8	381.9	340.5
90.0	789.6	716.0	670.7	625.8	563.3	522.3	482.6	424.8	381.9	340.5
135.0	719.9	647.8	601.6	557.4	494.7	455.1	417.3	355.2	311.7	269.6
180.0	719.9	647.8	601.6	557.4	494.7	455.1	417.3	355.2	311.7	269.6
225.0	559.8	516.3	455.5	418.3	382.1	324.6	285.2	246.2	192.4	158.6
270.0	559.8	516.3	455.5	418.3	382.1	324.6	285.2	246.2	192.4	158.6
315.0	657.4	610.5	543.6	501.1	461.7	401.0	364.3	325.3	265.1	226.4
360.0	657.4	610.5	543.6	501.1	461.7	401.0	364.3	325.3	265.1	226.4

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	189.9	143.2	116.8	94.1	65.4	51.6	40.8	31.1	27.0	24.0
45.0	275.6	236.0	196.8	147.0	118.0	95.0	64.2	49.1	38.2	28.5
90.0	275.6	236.0	196.8	147.0	118.0	95.0	64.2	49.1	38.2	28.5
135.0	212.0	175.7	144.8	104.4	82.0	64.4	44.6	34.9	28.7	22.8
180.0	212.0	175.7	144.8	104.4	82.0	64.4	44.6	34.9	28.7	22.8
225.0	130.1	93.9	75.5	60.2	43.3	34.9	30.4	25.1	21.7	19.5
270.0	130.1	93.9	75.5	60.2	43.3	34.9	30.4	25.1	21.7	19.5
315.0	189.9	143.2	116.8	94.1	65.4	51.6	40.8	31.1	27.0	24.0
360.0	189.9	143.2	116.8	94.1	65.4	51.6	40.8	31.1	27.0	24.0

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	20.8	17.3	14.0	11.8	10.1	9.0	7.9	8.4	7.7	6.8
45.0	23.9	20.7	16.4	13.4	10.8	7.6	6.5	6.1	6.0	5.8
90.0	23.9	20.7	16.4	13.4	10.8	7.6	6.5	6.1	6.0	5.8
135.0	20.5	17.8	14.3	11.9	9.5	7.1	6.7	6.5	5.5	5.9
180.0	20.5	17.8	14.3	11.9	9.5	7.1	6.7	6.5	5.5	5.9
225.0	16.6	14.4	11.9	9.3	8.4	7.8	7.6	6.9	6.7	7.4
270.0	16.6	14.4	11.9	9.3	8.4	7.8	7.6	6.9	6.7	7.4
315.0	20.8	17.3	14.0	11.8	10.1	9.0	7.9	8.4	7.7	6.8
360.0	20.8	17.3	14.0	11.8	10.1	9.0	7.9	8.4	7.7	6.8

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	7.7	7.3	6.8	6.9	7.0	6.3	5.8	6.5	6.0	5.6
45.0	5.6	5.9	5.6	5.0	5.1	5.4	5.1	5.2	5.0	5.0
90.0	5.6	5.9	5.6	5.0	5.1	5.4	5.1	5.2	5.0	5.0
135.0	5.8	5.8	5.2	5.6	5.1	5.2	5.1	6.0	5.7	5.4
180.0	5.8	5.8	5.2	5.6	5.1	5.2	5.1	6.0	5.7	5.4
225.0	6.7	6.8	6.4	6.4	6.1	6.0	6.0	5.2	5.4	5.2
270.0	6.7	6.8	6.4	6.4	6.1	6.0	6.0	5.2	5.4	5.2
315.0	7.7	7.3	6.8	6.9	7.0	6.3	5.8	6.5	6.0	5.6
360.0	7.7	7.3	6.8	6.9	7.0	6.3	5.8	6.5	6.0	5.6

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	5.6	5.5	5.0	4.4	3.9	4.1	4.2	3.8	3.8	3.8
45.0	4.7	4.7	4.6	4.1	4.1	3.6	3.5	3.2	3.8	3.3
90.0	4.7	4.7	4.6	4.1	4.1	3.6	3.5	3.2	3.8	3.3
135.0	4.8	4.7	4.1	4.1	3.7	3.8	3.5	3.6	3.7	3.8
180.0	4.8	4.7	4.1	4.1	3.7	3.8	3.5	3.6	3.7	3.8
225.0	4.5	4.4	4.4	4.4	4.1	4.2	3.8	3.6	3.6	3.3
270.0	4.5	4.4	4.4	4.4	4.1	4.2	3.8	3.6	3.6	3.3
315.0	5.6	5.5	5.0	4.4	3.9	4.1	4.2	3.8	3.8	3.8
360.0	5.6	5.5	5.0	4.4	3.9	4.1	4.2	3.8	3.8	3.8

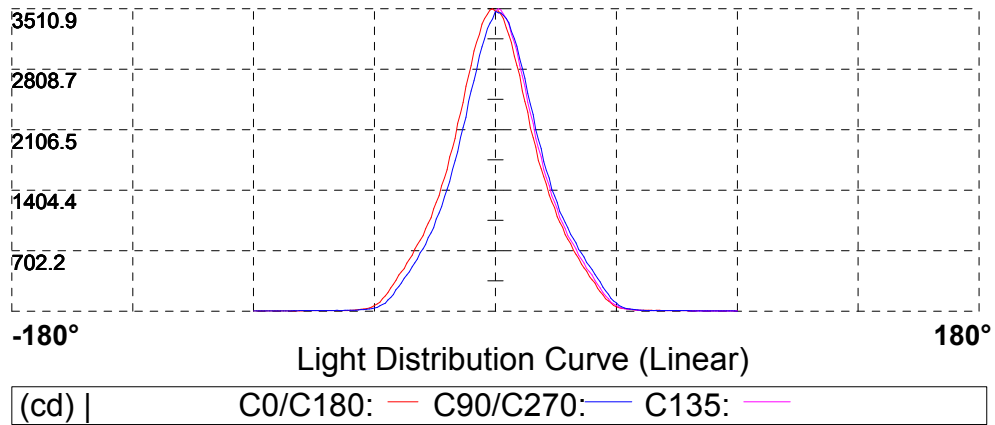
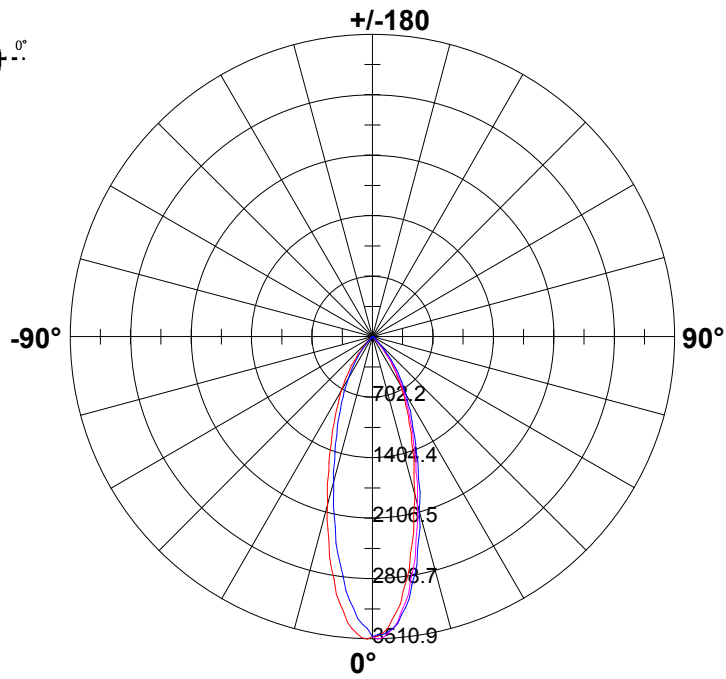
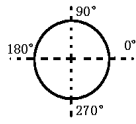
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.7	3.7	3.2	3.1	2.0	1.3	1.3	1.2	1.2	1.0
45.0	3.5	3.7	3.3	2.8	3.5	3.5	2.2	1.8	1.4	1.3
90.0	3.5	3.7	3.3	2.8	3.5	3.5	2.2	1.8	1.4	1.3
135.0	3.5	3.3	3.6	3.2	3.1	2.7	2.9	2.0	1.8	1.6
180.0	3.5	3.3	3.6	3.2	3.1	2.7	2.9	2.0	1.8	1.6
225.0	3.1	3.5	3.2	2.9	1.7	1.7	1.5	1.4	1.2	1.4
270.0	3.1	3.5	3.2	2.9	1.7	1.7	1.5	1.4	1.2	1.4
315.0	3.7	3.7	3.2	3.1	2.0	1.3	1.3	1.2	1.2	1.0
360.0	3.7	3.7	3.2	3.1	2.0	1.3	1.3	1.2	1.2	1.0

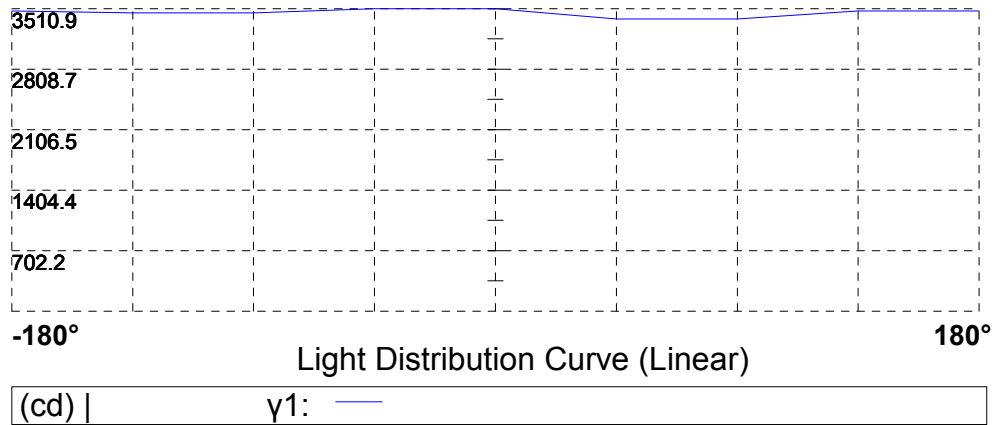
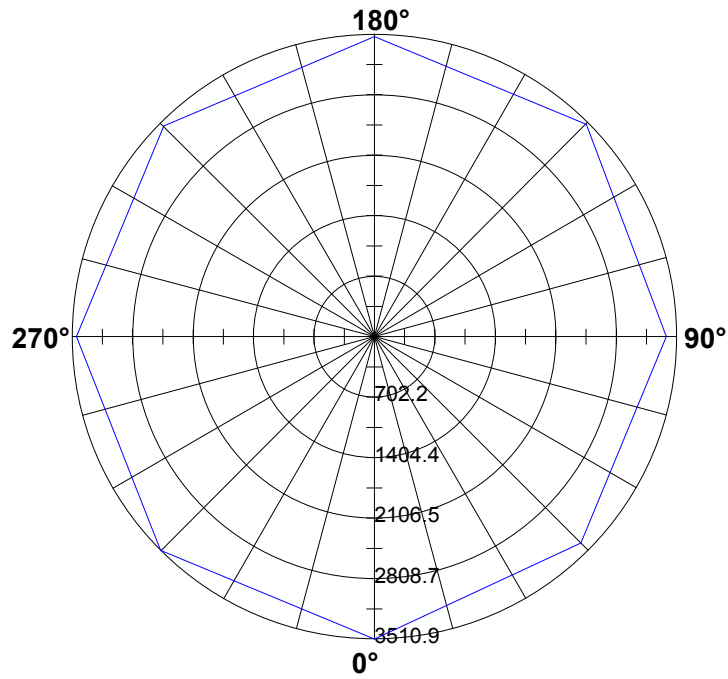
C\G	90.0
0.0	1.2
45.0	0.7
90.0	0.7
135.0	1.4
180.0	1.4
225.0	1.7
270.0	1.7
315.0	1.2
360.0	1.2

Light Distribution Curve [Unit: cd]

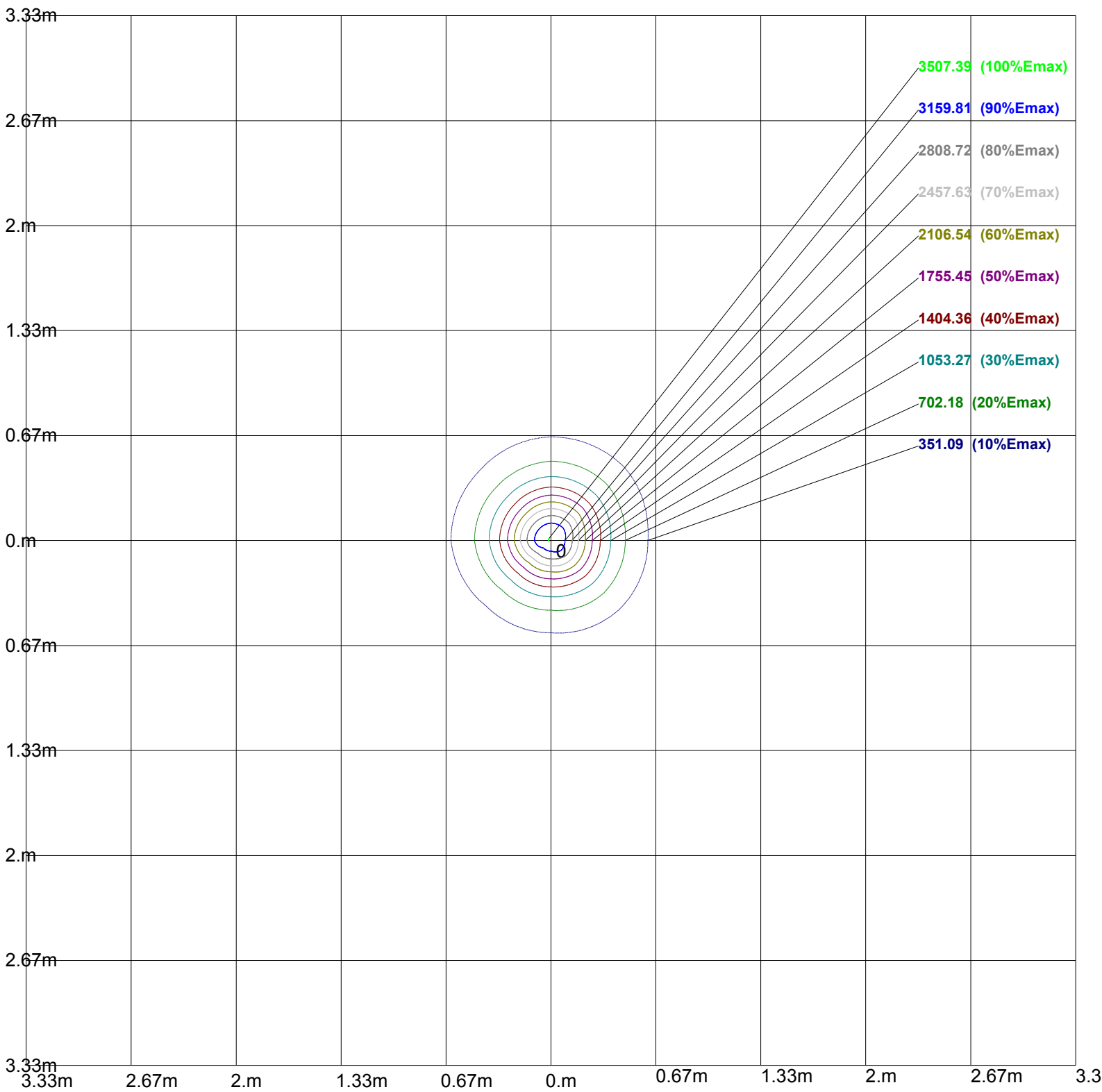
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 3510.91lx

Luminance Limiting Curve

Diameter: 200mm

Length: mm

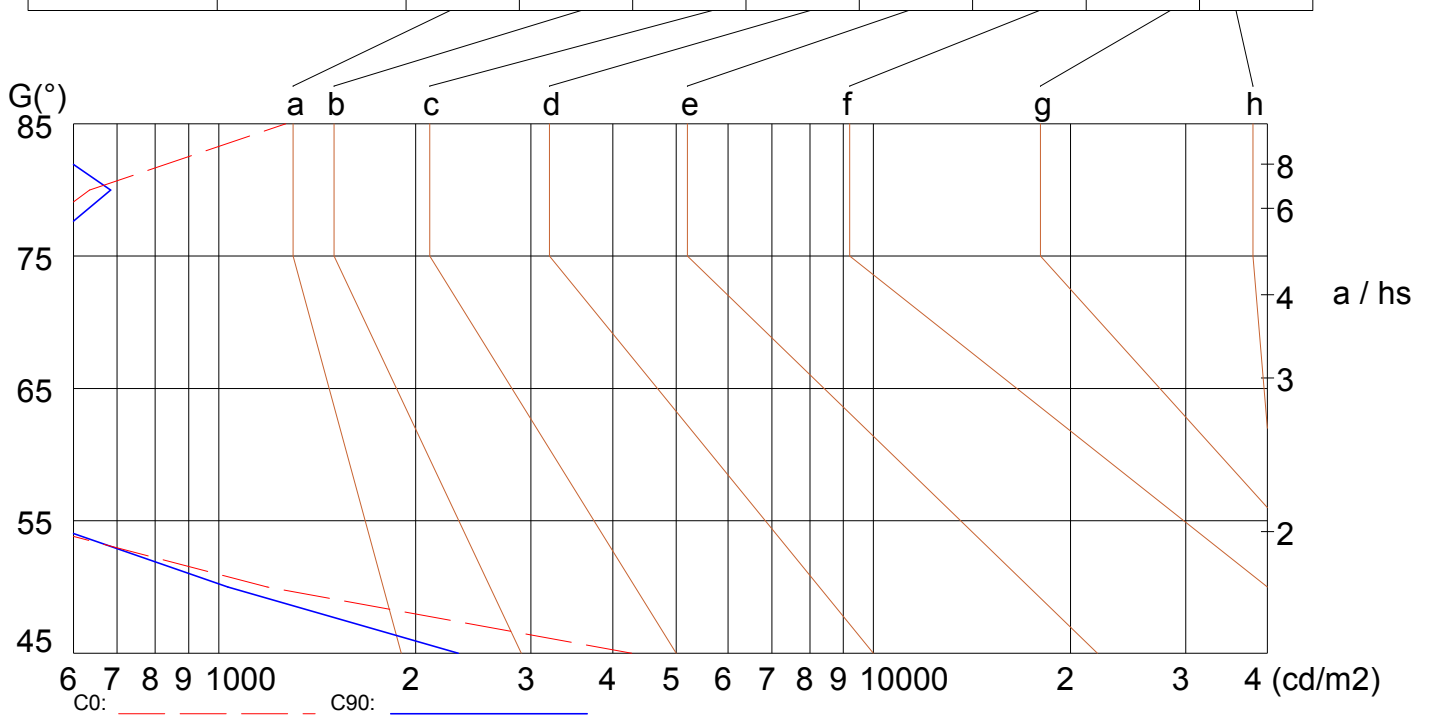
Width: mm

Height: mm

(cd/m²)

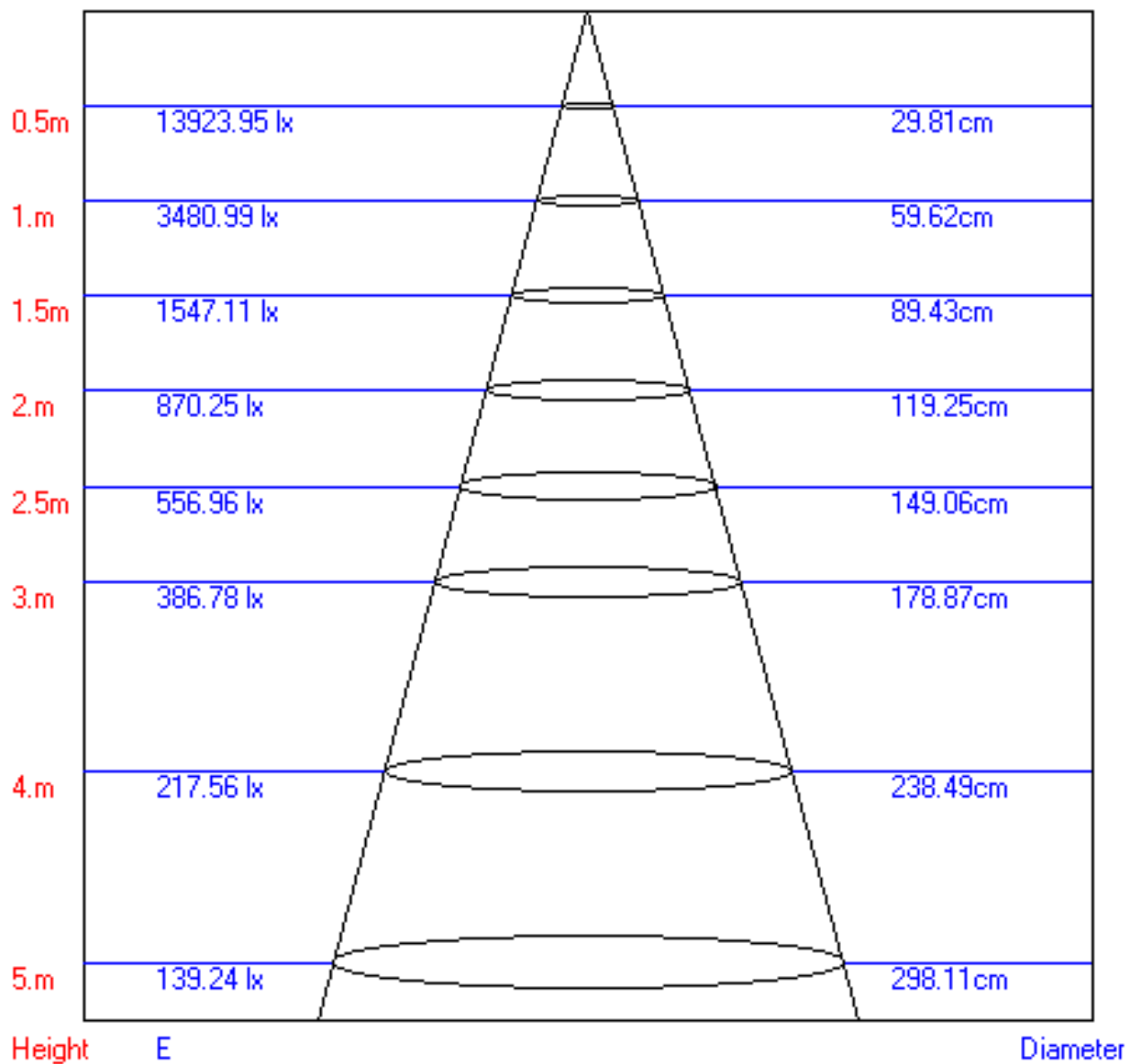
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	4277	1185	420	360	406	442	439	635	1266
C90	2323	1032	497	489	474	526	505	684	467

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:33.20°

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	1.15	1.14	1.13	1.13	1.12	1.11	1.09	1.08	1.07	1.03	1.02	1.01	0.96	0.95	0.94	0.88
2	1.08	1.07	1.06	1.07	1.05	1.04	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.83
3	1.02	1.01	1.00	1.01	0.99	0.98	0.97	0.95	0.93	0.93	0.91	0.89	0.88	0.85	0.83	0.78
4	0.97	0.95	0.94	0.95	0.93	0.92	0.92	0.90	0.88	0.89	0.86	0.83	0.84	0.81	0.78	0.74
5	0.91	0.90	0.89	0.90	0.88	0.87	0.88	0.85	0.83	0.84	0.81	0.79	0.80	0.77	0.74	0.70
6	0.87	0.85	0.84	0.86	0.84	0.82	0.83	0.80	0.78	0.80	0.77	0.74	0.77	0.73	0.70	0.66
7	0.82	0.81	0.80	0.81	0.79	0.78	0.79	0.76	0.74	0.77	0.73	0.70	0.74	0.70	0.66	0.63
8	0.78	0.77	0.76	0.77	0.75	0.74	0.75	0.73	0.71	0.73	0.70	0.67	0.71	0.66	0.63	0.60
9	0.74	0.73	0.72	0.74	0.72	0.71	0.72	0.69	0.67	0.70	0.66	0.64	0.68	0.63	0.60	0.57
10	0.71	0.70	0.69	0.70	0.68	0.67	0.69	0.66	0.64	0.67	0.63	0.61	0.65	0.61	0.57	0.54

