

Luminaire Property

Luminaire:

Report NO.: 150w
Test NO.:
Lamp: [LAMP]
Sum Lumens: 8574.12 lm
Number of Lamps: 1
Diameter: 200mm
Length: 0mm
Photometric Type: Type C

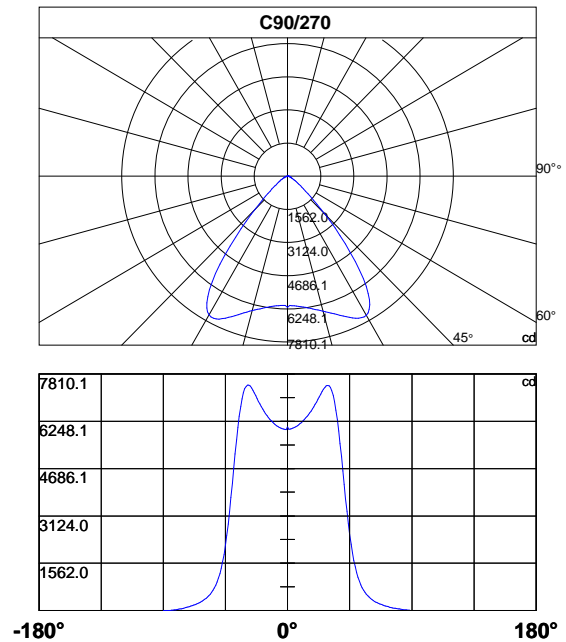
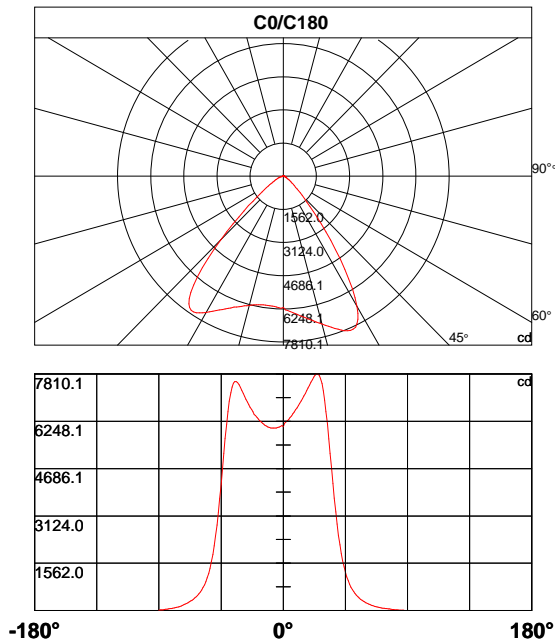
Voltage: 0.0 V
Current: 0.0 A
Power: W
Power Factor: 0.0
Ballast Type:
Width: 0mm
Height: 0mm
Remark:

Photometric Results

Lumens: 12691.57 lm
Efficiency: N.A
Central Intensity: 6068.261cd
Maximum Intensity: 7810.076cd

Angle of maximum intensity: C:0.0 G:25.0
Half Peak Side Angle(50%): Left: -70.6 Right:11.6
Light Out Rate(LOR) : 100.00%
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%

Beam Angle(10%): Left: -82.7 Right:23.9



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	6068.3	6181.1	6221.6	6269.3	6318.2	6373.0	6431.2	6495.0	6558.4	6627.4
45.0	6068.3	5979.3	5988.8	6002.0	6020.9	6043.3	6069.4	6099.1	6132.7	6168.9
90.0	6068.3	5979.3	5988.8	6002.0	6020.9	6043.3	6069.4	6099.1	6132.7	6168.9
135.0	6068.3	6110.1	6080.9	6059.6	6041.3	6029.1	6021.4	6019.4	6022.3	6029.9
180.0	6068.3	6110.1	6080.9	6059.6	6041.3	6029.1	6021.4	6019.4	6022.3	6029.9
225.0	6068.3	5974.8	5980.0	5989.5	6002.9	6020.9	6043.6	6072.2	6102.4	6138.6
270.0	6068.3	5974.8	5980.0	5989.5	6002.9	6020.9	6043.6	6072.2	6102.4	6138.6
315.0	6068.3	6181.1	6221.6	6269.3	6318.2	6373.0	6431.2	6495.0	6558.4	6627.4
360.0	6068.3	6181.1	6221.6	6269.3	6318.2	6373.0	6431.2	6495.0	6558.4	6627.4

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	6695.5	6771.1	6844.0	6922.7	7000.8	7086.3	7169.9	7260.6	7348.3	7444.6
45.0	6210.4	6254.0	6302.7	6351.3	6405.6	6461.6	6524.1	6587.1	6655.3	6727.5
90.0	6210.4	6254.0	6302.7	6351.3	6405.6	6461.6	6524.1	6587.1	6655.3	6727.5
135.0	6043.9	6061.7	6085.3	6112.5	6147.0	6183.4	6227.8	6273.6	6326.1	6379.6
180.0	6043.9	6061.7	6085.3	6112.5	6147.0	6183.4	6227.8	6273.6	6326.1	6379.6
225.0	6178.4	6222.4	6271.4	6322.6	6377.9	6438.6	6505.3	6574.5	6651.1	6730.0
270.0	6178.4	6222.4	6271.4	6322.6	6377.9	6438.6	6505.3	6574.5	6651.1	6730.0
315.0	6695.5	6771.1	6844.0	6922.7	7000.8	7086.3	7169.9	7260.6	7348.3	7444.6
360.0	6695.5	6771.1	6844.0	6922.7	7000.8	7086.3	7169.9	7260.6	7348.3	7444.6

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	7534.8	7625.9	7705.8	7771.7	7808.3	7810.1	7765.5	7658.9	7497.0	7253.6
45.0	6806.0	6885.3	6970.6	7057.8	7148.2	7229.4	7307.7	7371.3	7417.1	7436.9
90.0	6806.0	6885.3	6970.6	7057.8	7148.2	7229.4	7307.7	7371.3	7417.1	7436.9
135.0	6439.5	6474.6	6569.1	6641.2	6716.4	6798.6	6883.9	6977.0	7072.8	7172.8
180.0	6439.5	6474.6	6569.1	6641.2	6716.4	6798.6	6883.9	6977.0	7072.8	7172.8
225.0	6816.1	6903.9	6998.3	7091.9	7186.6	7272.6	7350.2	7408.8	7443.5	7444.0
270.0	6816.1	6903.9	6998.3	7091.9	7186.6	7272.6	7350.2	7408.8	7443.5	7444.0
315.0	7534.8	7625.9	7705.8	7771.7	7808.3	7810.1	7765.5	7658.9	7497.0	7253.6
360.0	7534.8	7625.9	7705.8	7771.7	7808.3	7810.1	7765.5	7658.9	7497.0	7253.6

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	6952.2	6567.7	6150.6	5668.3	5189.4	4676.4	4194.4	3709.9	3256.8	2859.4
45.0	7421.9	7367.1	7259.7	7103.8	6888.6	6622.2	6293.2	5929.4	5510.9	5077.4
90.0	7421.9	7367.1	7259.7	7103.8	6888.6	6622.2	6293.2	5929.4	5510.9	5077.4
135.0	7273.0	7370.9	7456.7	7526.2	7563.9	7561.7	7505.3	7383.4	7189.5	6912.4
180.0	7273.0	7370.9	7456.7	7526.2	7563.9	7561.7	7505.3	7383.4	7189.5	6912.4
225.0	7406.2	7323.4	7183.5	6990.8	6728.8	6421.9	6043.4	5634.8	5168.7	4700.8
270.0	7406.2	7323.4	7183.5	6990.8	6728.8	6421.9	6043.4	5634.8	5168.7	4700.8
315.0	6952.2	6567.7	6150.6	5668.3	5189.4	4676.4	4194.4	3709.9	3256.8	2859.4
360.0	6952.2	6567.7	6150.6	5668.3	5189.4	4676.4	4194.4	3709.9	3256.8	2859.4

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	2486.5	2171.9	1886.3	1648.2	1438.4	1264.5	1110.2	982.6	869.6	776.1
45.0	4608.7	4160.1	3703.3	3279.9	2872.9	2517.1	2184.3	1900.2	1644.7	1434.7
90.0	4608.7	4160.1	3703.3	3279.9	2872.9	2517.1	2184.3	1900.2	1644.7	1434.7
135.0	6568.1	6148.5	5691.2	5189.0	4688.2	4178.9	3696.7	3236.8	2827.9	2451.8
180.0	6568.1	6148.5	5691.2	5189.0	4688.2	4178.9	3696.7	3236.8	2827.9	2451.8
225.0	4203.9	3734.9	3269.2	2856.8	2470.0	2142.8	1846.5	1605.7	1392.3	1219.9
270.0	4203.9	3734.9	3269.2	2856.8	2470.0	2142.8	1846.5	1605.7	1392.3	1219.9
315.0	2486.5	2171.9	1886.3	1648.2	1438.4	1264.5	1110.2	982.6	869.6	776.1
360.0	2486.5	2171.9	1886.3	1648.2	1438.4	1264.5	1110.2	982.6	869.6	776.1

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	692.0	621.4	557.2	503.5	453.3	411.4	372.6	339.3	308.1	281.1
45.0	1248.6	1093.9	958.9	845.1	751.5	667.1	598.3	536.7	484.9	437.6
90.0	1248.6	1093.9	958.9	845.1	751.5	667.1	598.3	536.7	484.9	437.6
135.0	2129.6	1844.4	1606.3	1399.4	1226.5	1078.4	954.9	847.4	756.5	677.0
180.0	2129.6	1844.4	1606.3	1399.4	1226.5	1078.4	954.9	847.4	756.5	677.0
225.0	1066.7	943.0	833.9	743.9	663.1	596.7	536.1	486.3	439.5	400.2
270.0	1066.7	943.0	833.9	743.9	663.1	596.7	536.1	486.3	439.5	400.2
315.0	692.0	621.4	557.2	503.5	453.3	411.4	372.6	339.3	308.1	281.1
360.0	692.0	621.4	557.2	503.5	453.3	411.4	372.6	339.3	308.1	281.1

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	254.9	232.3	209.8	190.6	171.2	154.9	139.0	125.2	113.0	102.6
45.0	398.1	361.4	329.4	300.3	275.7	252.2	231.9	212.3	195.0	178.2
90.0	398.1	361.4	329.4	300.3	275.7	252.2	231.9	212.3	195.0	178.2
135.0	609.9	549.9	498.5	451.7	412.0	374.2	341.4	310.2	282.7	255.7
180.0	609.9	549.9	498.5	451.7	412.0	374.2	341.4	310.2	282.7	255.7
225.0	363.9	332.5	303.0	277.3	253.0	231.9	211.5	192.9	174.9	158.6
270.0	363.9	332.5	303.0	277.3	253.0	231.9	211.5	192.9	174.9	158.6
315.0	254.9	232.3	209.8	190.6	171.2	154.9	139.0	125.2	113.0	102.6
360.0	254.9	232.3	209.8	190.6	171.2	154.9	139.0	125.2	113.0	102.6

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	93.5	85.7	77.9	71.5	65.0	58.8	52.7	46.7	41.1	35.9
45.0	162.7	147.4	133.8	120.6	108.8	97.5	87.8	78.3	70.4	61.6
90.0	162.7	147.4	133.8	120.6	108.8	97.5	87.8	78.3	70.4	61.6
135.0	231.3	207.9	186.9	166.9	148.9	132.6	118.7	106.1	95.0	85.1
180.0	231.3	207.9	186.9	166.9	148.9	132.6	118.7	106.1	95.0	85.1
225.0	142.3	127.4	114.0	101.0	89.0	76.8	65.7	54.9	45.4	36.8
270.0	142.3	127.4	114.0	101.0	89.0	76.8	65.7	54.9	45.4	36.8
315.0	93.5	85.7	77.9	71.5	65.0	58.8	52.7	46.7	41.1	35.9
360.0	93.5	85.7	77.9	71.5	65.0	58.8	52.7	46.7	41.1	35.9

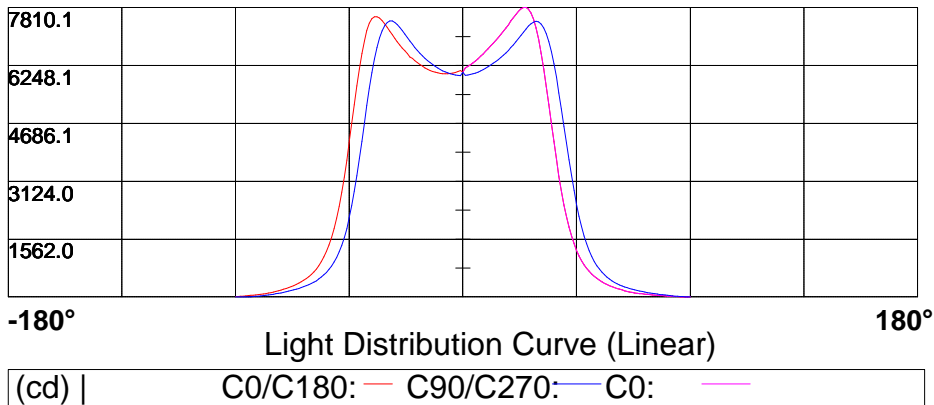
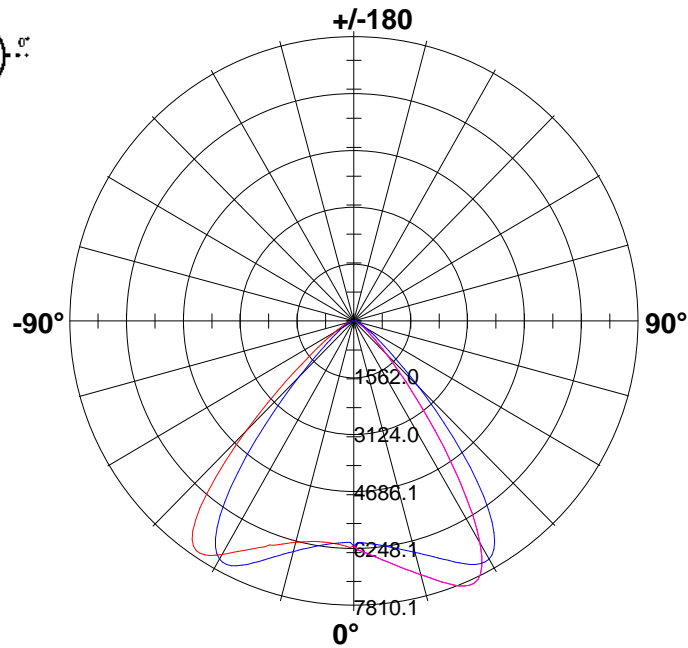
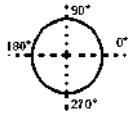
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	30.4	26.0	21.5	17.6	13.8	10.9	7.6	5.4	4.3	3.7
45.0	54.1	46.2	39.2	32.6	26.6	21.3	16.9	12.6	7.9	4.7
90.0	54.1	46.2	39.2	32.6	26.6	21.3	16.9	12.6	7.9	4.7
135.0	75.6	66.7	58.2	50.0	42.6	36.1	30.4	24.8	20.7	16.3
180.0	75.6	66.7	58.2	50.0	42.6	36.1	30.4	24.8	20.7	16.3
225.0	29.3	22.9	18.0	13.6	8.9	4.7	1.7	0.8	0.6	0.6
270.0	29.3	22.9	18.0	13.6	8.9	4.7	1.7	0.8	0.6	0.6
315.0	30.4	26.0	21.5	17.6	13.8	10.9	7.6	5.4	4.3	3.7
360.0	30.4	26.0	21.5	17.6	13.8	10.9	7.6	5.4	4.3	3.7

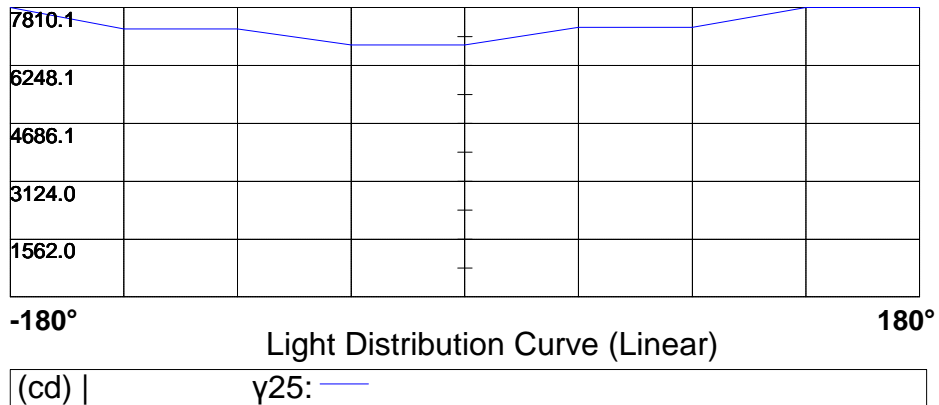
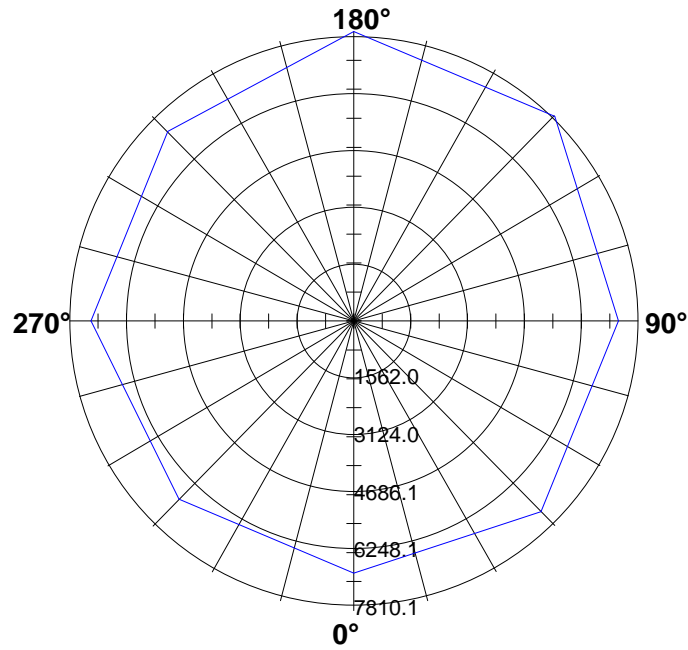
C\G	90.0
0.0	4.1
45.0	1.4
90.0	1.4
135.0	12.4
180.0	12.4
225.0	0.6
270.0	0.6
315.0	4.1
360.0	4.1

Light Distribution Curve [Unit: cd]

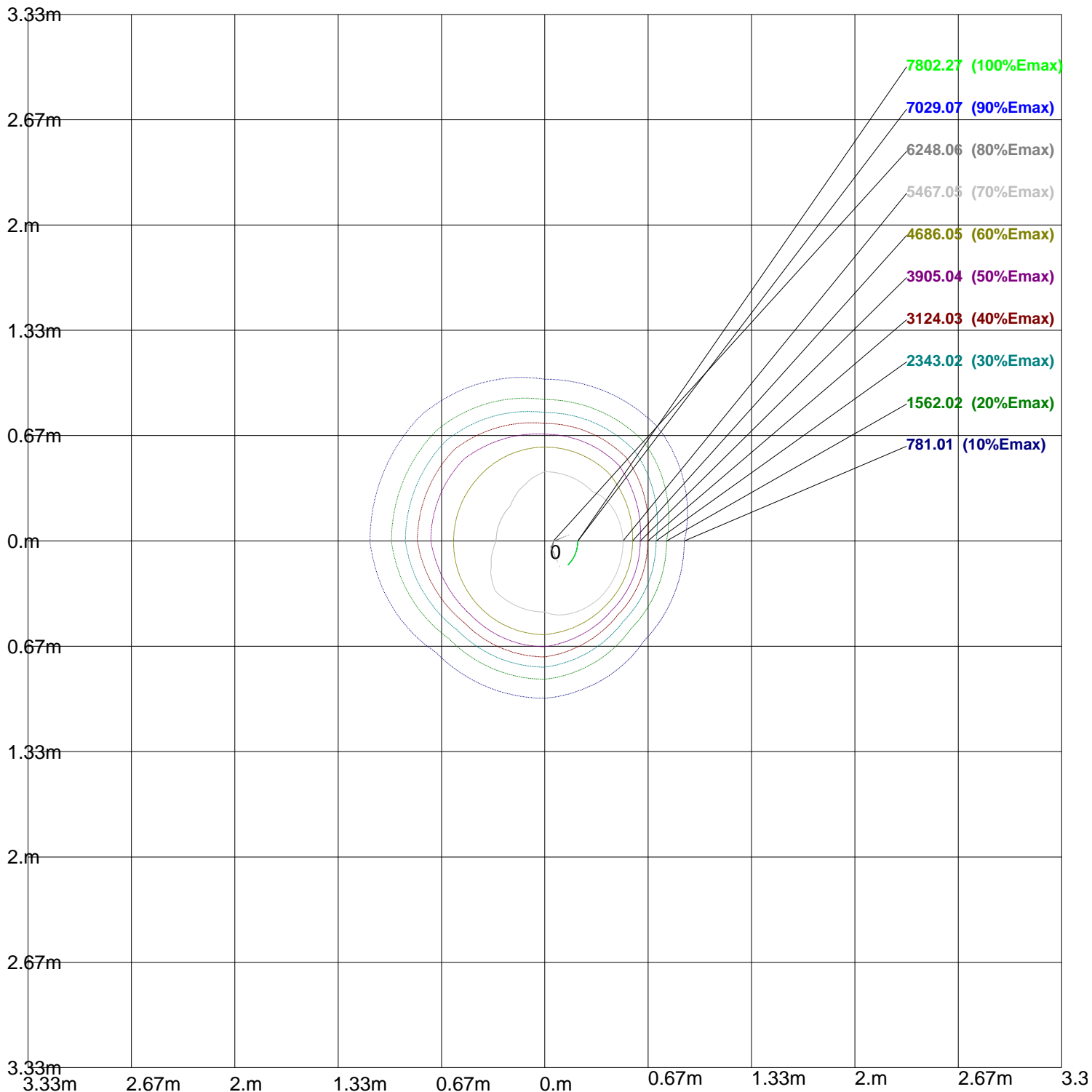
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 7810.08lx

Luminance Limiting Curve

Diameter: 200mm

Length: 0mm

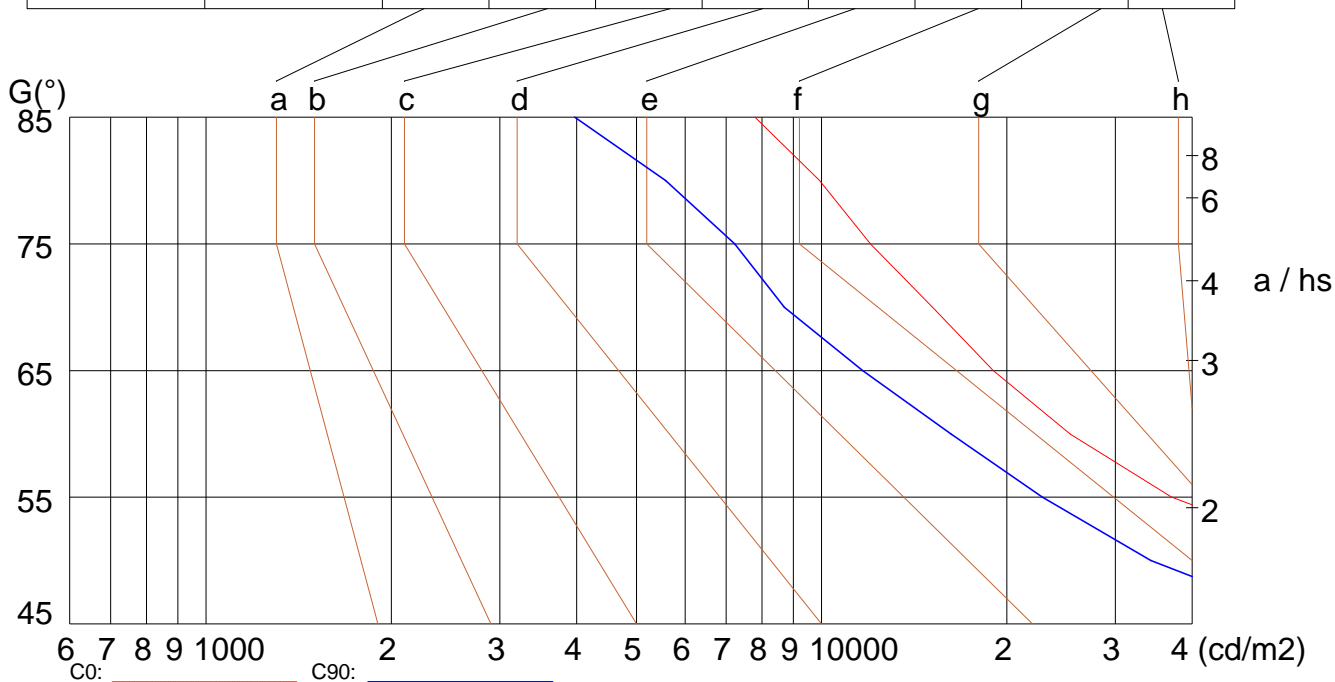
Width: 0mm

Height: 0mm

(cd/m²)

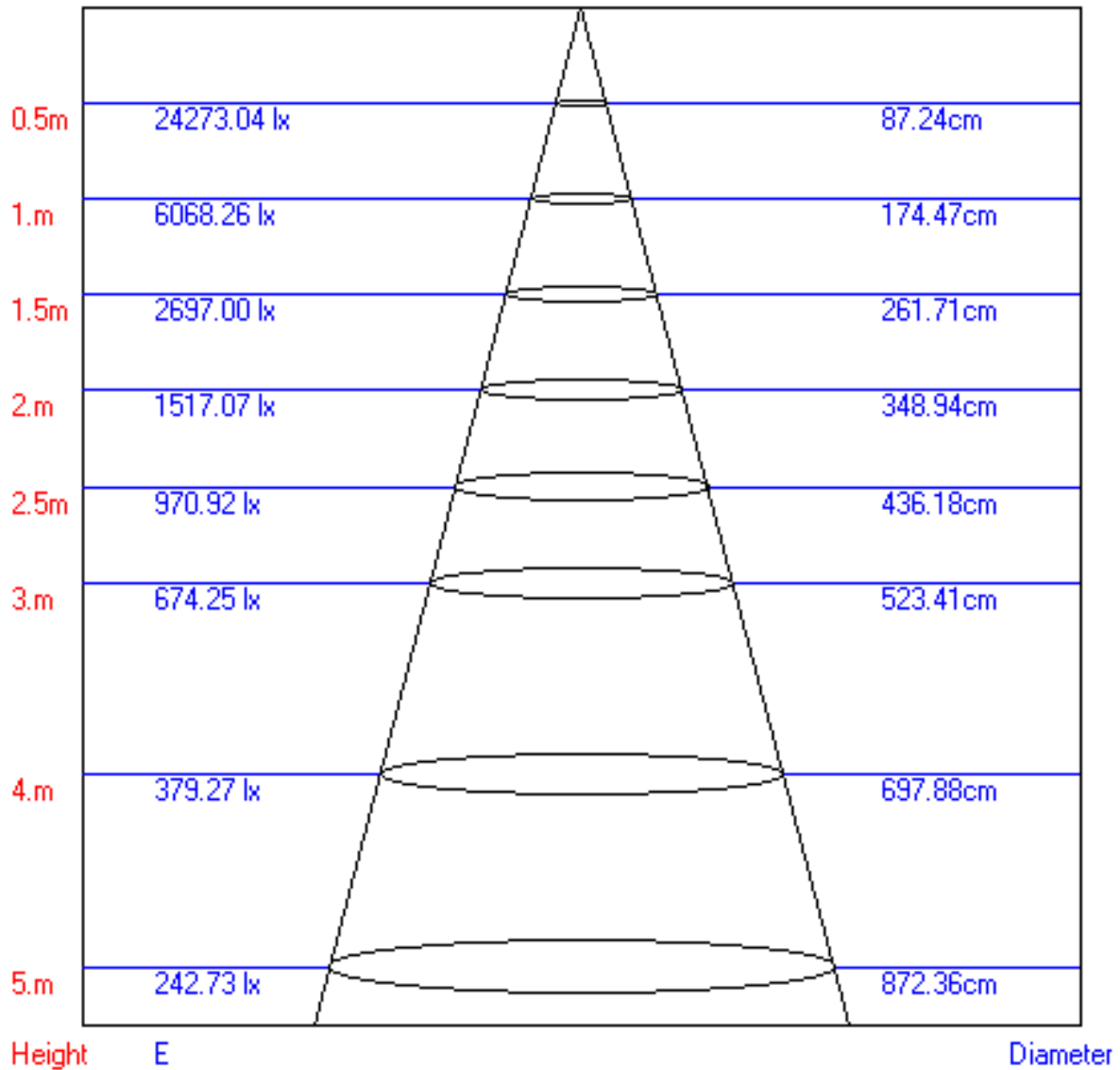
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	113369	61862	37042	25354	19007	15147	12002	9921	7797
C90	56950	34283	22844	16239	11673	8703	7230	5580	3969

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:82.20°

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	1.11	1.10	1.09	1.10	1.08	1.07	1.06	1.04	1.03	1.00	0.99	0.97	0.93	0.92	0.90	0.85
2	1.01	0.99	0.98	1.00	0.97	0.96	0.96	0.94	0.92	0.92	0.89	0.87	0.86	0.84	0.81	0.76
3	0.91	0.89	0.88	0.90	0.88	0.86	0.88	0.85	0.82	0.84	0.81	0.78	0.80	0.76	0.73	0.69
4	0.82	0.80	0.79	0.82	0.79	0.77	0.80	0.76	0.74	0.77	0.73	0.70	0.74	0.70	0.66	0.62
5	0.75	0.72	0.71	0.74	0.71	0.69	0.73	0.69	0.66	0.71	0.67	0.63	0.69	0.63	0.59	0.56
6	0.68	0.66	0.64	0.68	0.65	0.63	0.67	0.63	0.60	0.65	0.61	0.57	0.63	0.58	0.54	0.50
7	0.62	0.60	0.58	0.62	0.59	0.57	0.61	0.57	0.54	0.60	0.55	0.52	0.59	0.53	0.49	0.46
8	0.56	0.54	0.53	0.57	0.54	0.52	0.56	0.52	0.50	0.56	0.51	0.47	0.55	0.49	0.45	0.42
9	0.52	0.50	0.49	0.52	0.49	0.47	0.52	0.48	0.45	0.52	0.47	0.43	0.51	0.45	0.41	0.38
10	0.48	0.46	0.44	0.48	0.45	0.44	0.48	0.44	0.42	0.48	0.43	0.40	0.48	0.42	0.38	0.35

