

Luminaire Property

Luminaire: VMDL000605C012

Report NO.: IES-20200708001

Test NO.: 20200708001

Lamp: 0

Sum Lumens: 1174.74 lm

Number of Lamps: 1

Diameter: 200mm

Length: mm

Photometric Type: Type C

Voltage: 110.9 V

Current: 0.142 A

Power: 15.6 W

Power Factor: 0.994

Ballast Type:

Width: 200mm

Height: mm

Remark:

Photometric Results

Lumens: 1174.74 lm

Efficiency: 73.4213 lm/W

Central Intensity: 3408.317cd

Maximum Intensity: 3442.223cd

Angle of maximum intensity: C:0.0 G:3.0

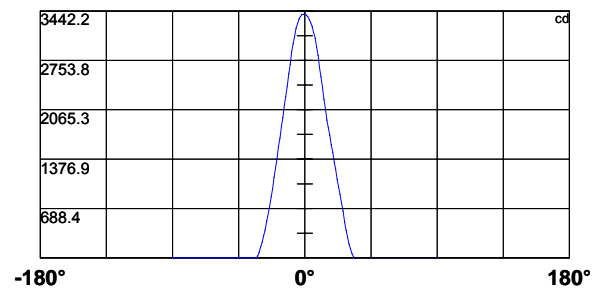
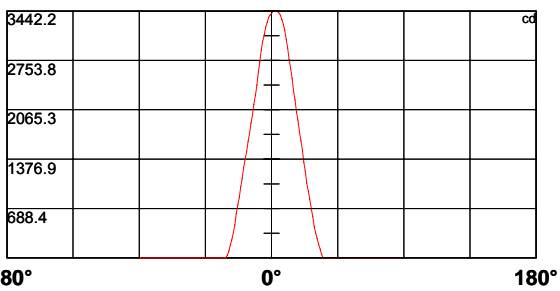
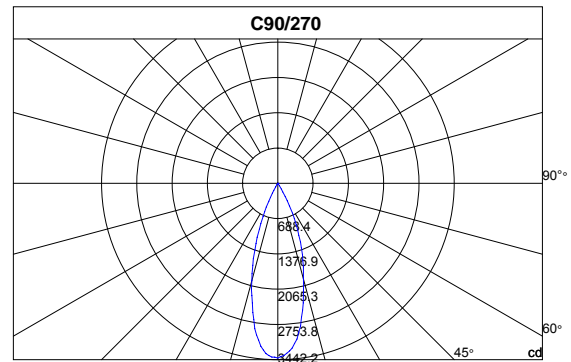
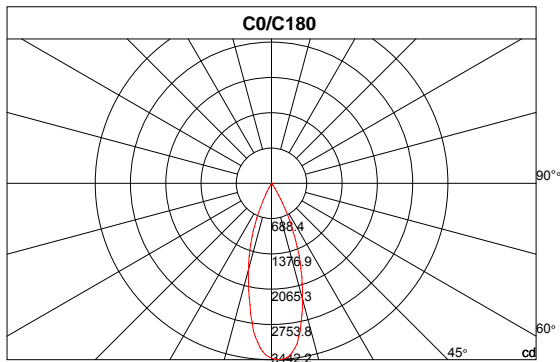
Half Peak Side Angle(50%): Left: -18.1 Right:16.3

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -29.1 Right:27.1



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	3408.3	3436.8	3440.5	3442.2	3436.4	3414.8	3383.6	3320.2	3255.6	3173.6
45.0	3408.3	3381.8	3362.0	3322.1	3277.3	3225.2	3139.8	3061.7	2933.9	2823.7
90.0	3408.3	3381.8	3362.0	3322.1	3277.3	3225.2	3139.8	3061.7	2933.9	2823.7
135.0	3408.3	3383.9	3350.9	3282.4	3218.3	3112.5	3015.9	2898.7	2731.8	2593.2
180.0	3408.3	3383.9	3350.9	3282.4	3218.3	3112.5	3015.9	2898.7	2731.8	2593.2
225.0	3408.3	3390.7	3394.0	3365.0	3331.2	3266.6	3198.6	3082.9	2985.2	2872.5
270.0	3408.3	3390.7	3394.0	3365.0	3331.2	3266.6	3198.6	3082.9	2985.2	2872.5
315.0	3408.3	3436.8	3440.5	3442.2	3436.4	3414.8	3383.6	3320.2	3255.6	3173.6
360.0	3408.3	3436.8	3440.5	3442.2	3436.4	3414.8	3383.6	3320.2	3255.6	3173.6

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	3044.9	2928.0	2765.4	2635.8	2497.4	2321.7	2201.3	2035.5	1920.2	1753.0
45.0	2651.8	2523.3	2384.7	2205.0	2077.1	1921.7	1812.6	1712.1	1575.2	1471.9
90.0	2651.8	2523.3	2384.7	2205.0	2077.1	1921.7	1812.6	1712.1	1575.2	1471.9
135.0	2407.0	2273.1	2141.6	1989.3	1880.0	1732.9	1626.7	1484.3	1368.9	1257.4
180.0	2407.0	2273.1	2141.6	1989.3	1880.0	1732.9	1626.7	1484.3	1368.9	1257.4
225.0	2699.1	2565.0	2389.4	2252.5	2125.6	1959.0	1834.9	1672.5	1546.4	1377.9
270.0	2699.1	2565.0	2389.4	2252.5	2125.6	1959.0	1834.9	1672.5	1546.4	1377.9
315.0	3044.9	2928.0	2765.4	2635.8	2497.4	2321.7	2201.3	2035.5	1920.2	1753.0
360.0	3044.9	2928.0	2765.4	2635.8	2497.4	2321.7	2201.3	2035.5	1920.2	1753.0

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1630.3	1505.5	1334.6	1209.0	1046.2	931.1	819.7	680.2	573.8	433.2
45.0	1336.2	1233.2	1093.7	987.9	886.3	756.5	652.5	496.4	386.3	293.5
90.0	1336.2	1233.2	1093.7	987.9	886.3	756.5	652.5	496.4	386.3	293.5
135.0	1107.7	994.0	846.2	739.2	621.8	459.4	355.1	249.6	181.2	98.1
180.0	1107.7	994.0	846.2	739.2	621.8	459.4	355.1	249.6	181.2	98.1
225.0	1249.7	1126.1	965.2	851.8	711.2	611.9	514.2	390.0	311.8	221.2
270.0	1249.7	1126.1	965.2	851.8	711.2	611.9	514.2	390.0	311.8	221.2
315.0	1630.3	1505.5	1334.6	1209.0	1046.2	931.1	819.7	680.2	573.8	433.2
360.0	1630.3	1505.5	1334.6	1209.0	1046.2	931.1	819.7	680.2	573.8	433.2

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	348.1	273.6	186.2	123.4	48.7	6.7	0.0	0.0	0.0	0.0
45.0	195.2	131.7	56.4	15.6	0.0	0.0	0.0	0.0	0.0	0.0
90.0	195.2	131.7	56.4	15.6	0.0	0.0	0.0	0.0	0.0	0.0
135.0	42.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	42.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	158.2	78.5	29.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
270.0	158.2	78.5	29.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
315.0	348.1	273.6	186.2	123.4	48.7	6.7	0.0	0.0	0.0	0.0
360.0	348.1	273.6	186.2	123.4	48.7	6.7	0.0	0.0	0.0	0.0

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

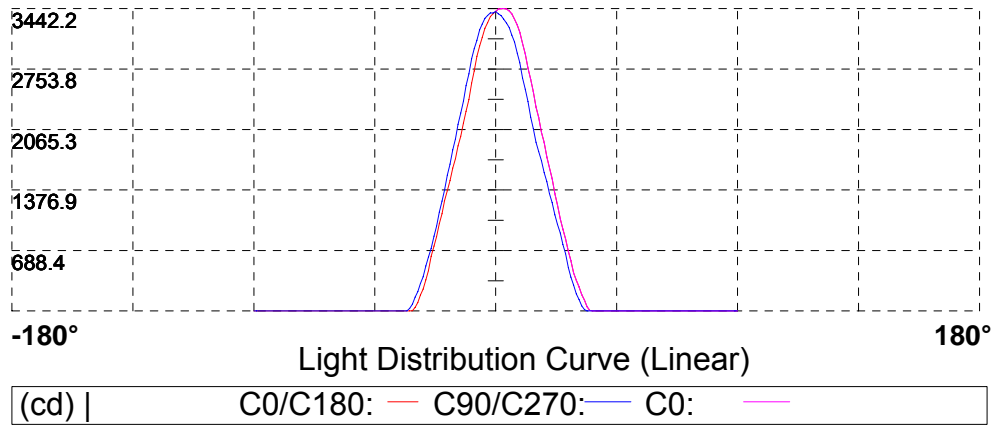
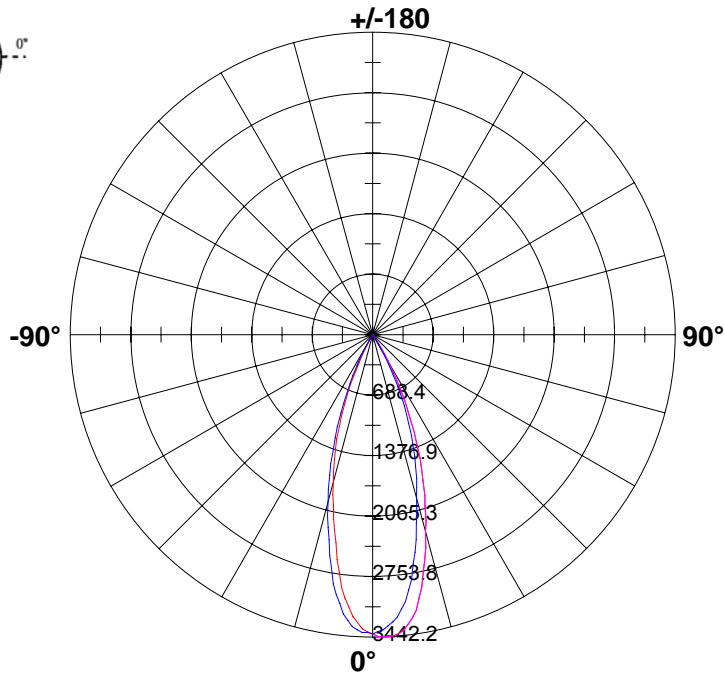
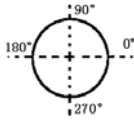
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

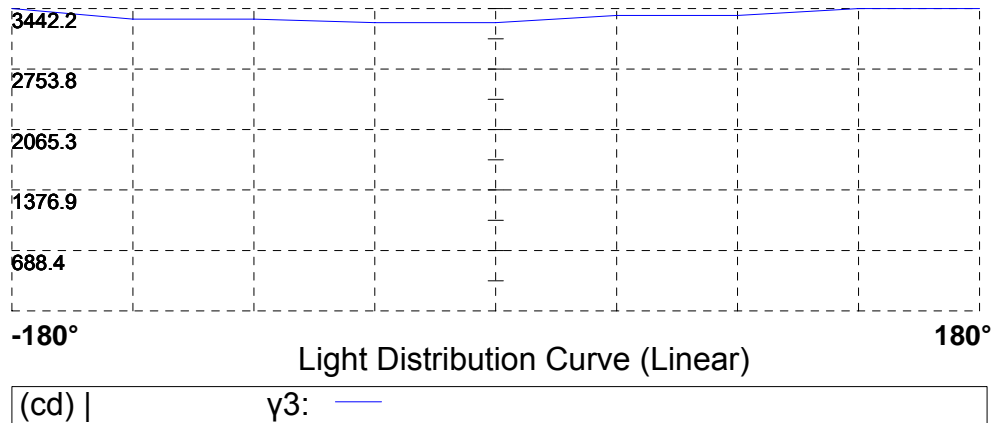
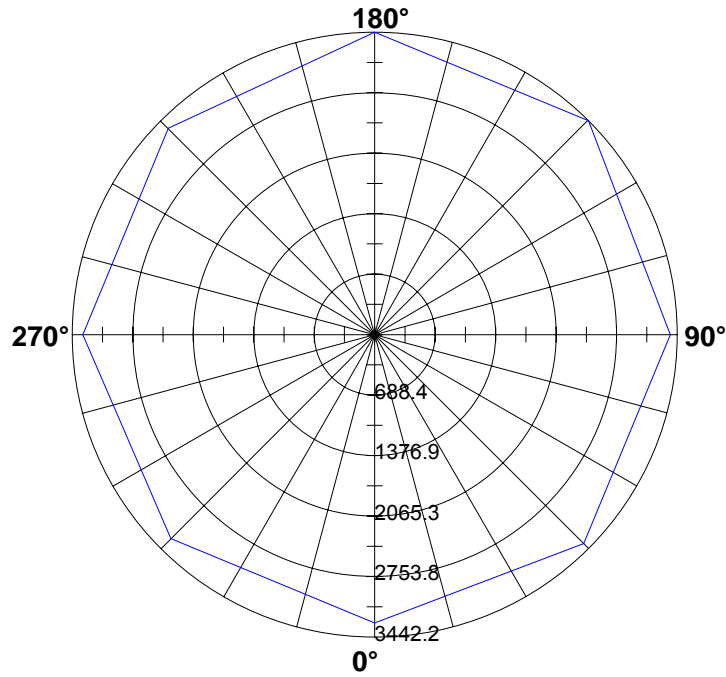
C\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0
135.0	0.0
180.0	0.0
225.0	0.0
270.0	0.0
315.0	0.0
360.0	0.0

Light Distribution Curve [Unit: cd]

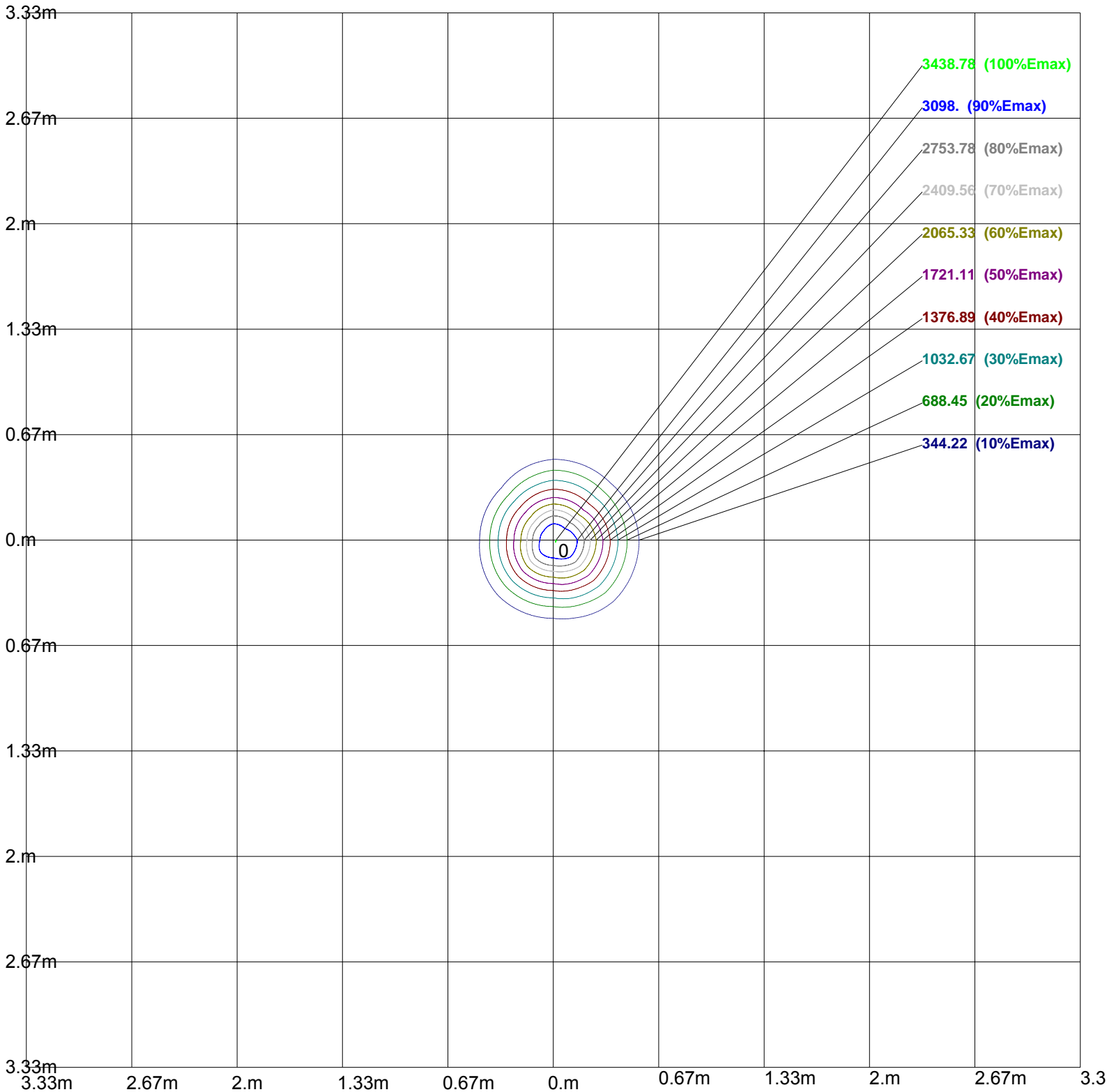
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
 Max Illuminance : 3442.22lx

Luminance Limiting Curve

Diameter: 200mm

Length: mm

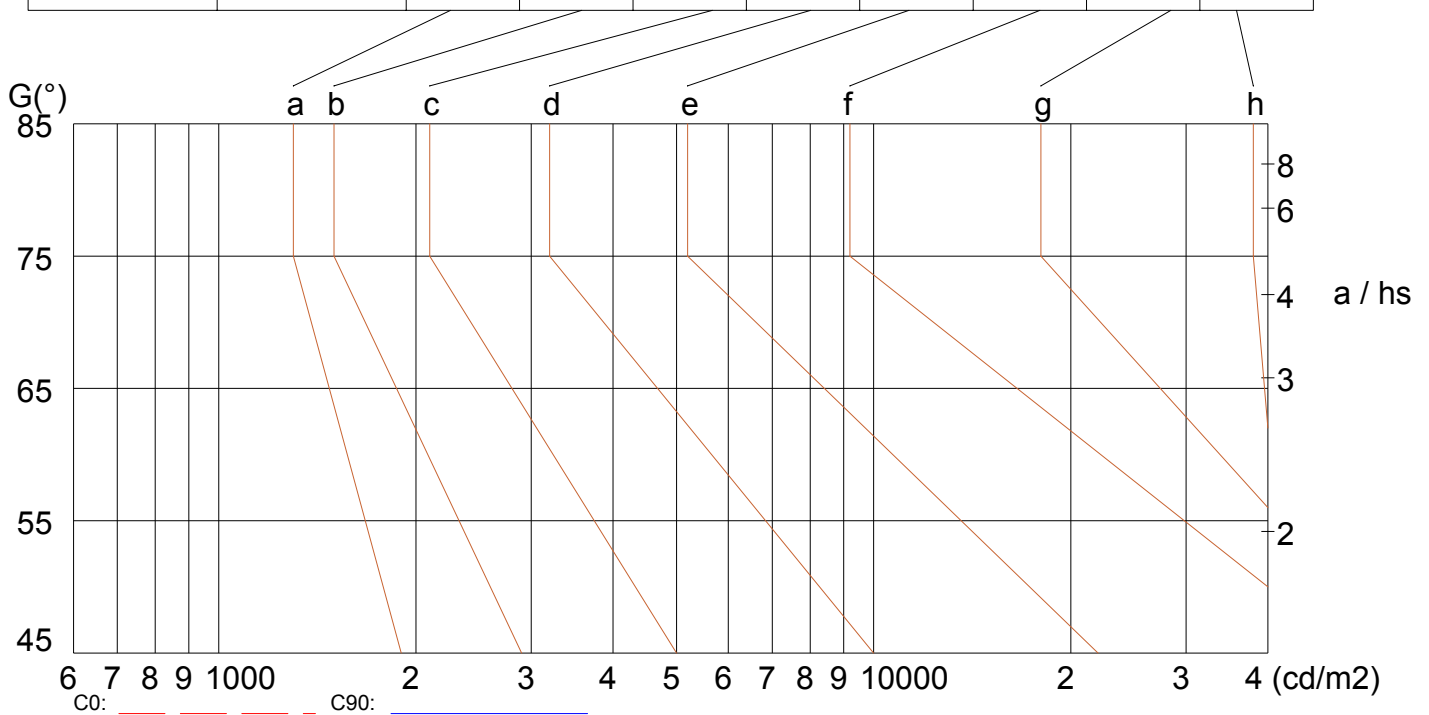
Width: 200mm

Height: mm

(cd/m²)

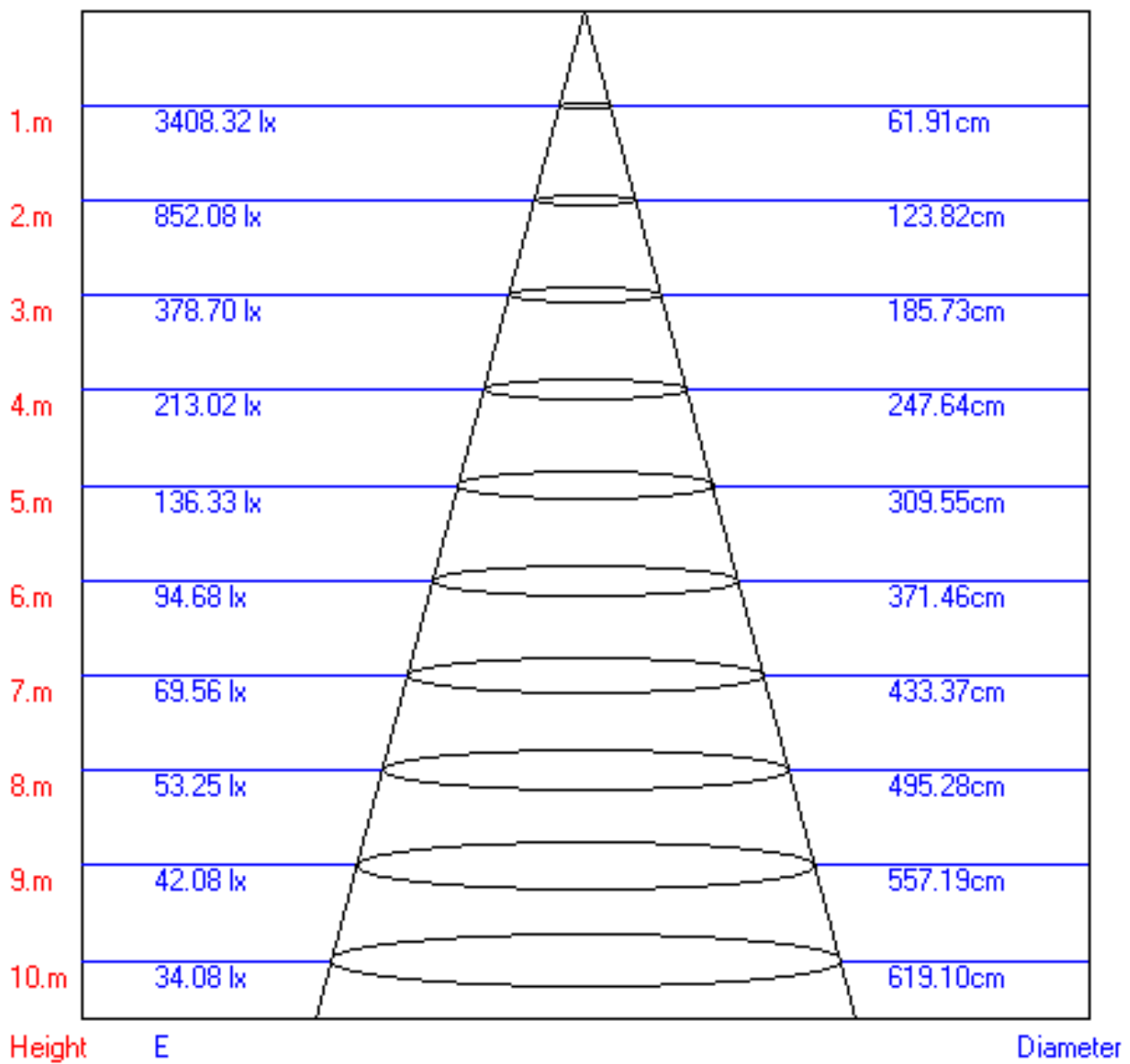
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0									
C90									

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:34.40°

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	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	1.17	1.16	1.16	1.15	1.14	1.13	1.10	1.09	1.09	1.05	1.04	1.03	0.97	0.96	0.95	0.90
2	1.12	1.11	1.11	1.10	1.09	1.08	1.06	1.05	1.04	1.01	0.99	0.98	0.95	0.93	0.91	0.87
3	1.08	1.07	1.06	1.06	1.05	1.04	1.02	1.00	0.99	0.98	0.96	0.94	0.92	0.90	0.88	0.83
4	1.04	1.03	1.02	1.02	1.01	1.00	0.98	0.97	0.95	0.94	0.92	0.90	0.89	0.87	0.84	0.80
5	1.00	0.99	0.98	0.98	0.97	0.96	0.95	0.93	0.91	0.91	0.89	0.87	0.87	0.84	0.81	0.77
6	0.96	0.95	0.95	0.95	0.93	0.92	0.92	0.89	0.88	0.88	0.85	0.83	0.84	0.81	0.78	0.74
7	0.93	0.92	0.91	0.92	0.90	0.89	0.89	0.86	0.85	0.85	0.82	0.80	0.81	0.78	0.76	0.72
8	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.83	0.82	0.82	0.80	0.77	0.79	0.76	0.73	0.69
9	0.87	0.86	0.85	0.86	0.84	0.83	0.83	0.80	0.79	0.80	0.77	0.75	0.77	0.73	0.70	0.67
10	0.84	0.83	0.82	0.83	0.81	0.80	0.80	0.78	0.76	0.77	0.74	0.72	0.74	0.71	0.68	0.65

