

Luminaire Property

Luminaire: RH-CL2111 2x30W 3000K

Report NO.:

Test NO.:

Lamp:

Sum Lumens: 3260.39 lm

Number of Lamps: 1

Diameter: mm

Length: 339mm

Photometric Type: Type C

Voltage: 220.8 V

Current: 0.128 A

Power: 27.2 W

Power Factor: 0.959

Ballast Type:

Width: 195mm

Height: 159mm

Remark:

Photometric Results

Lumens: 3260.39 lm

Efficiency: 119.8673 lm/W

Central Intensity: 6117.773cd

Maximum Intensity: 6315.878cd

Angle of maximum intensity: C:135.0 G:4.0

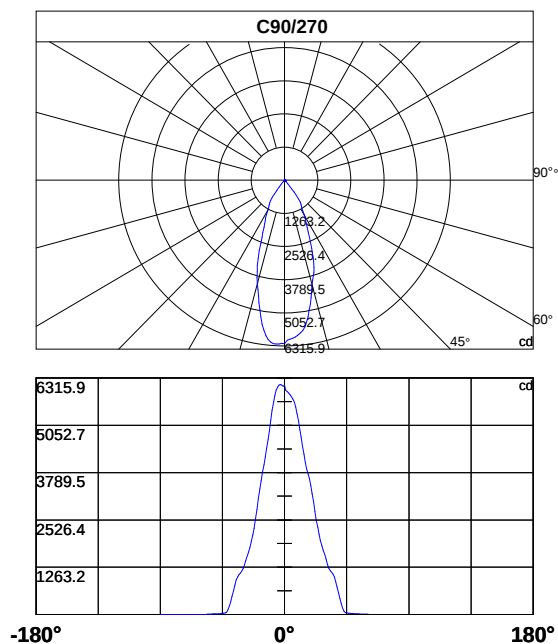
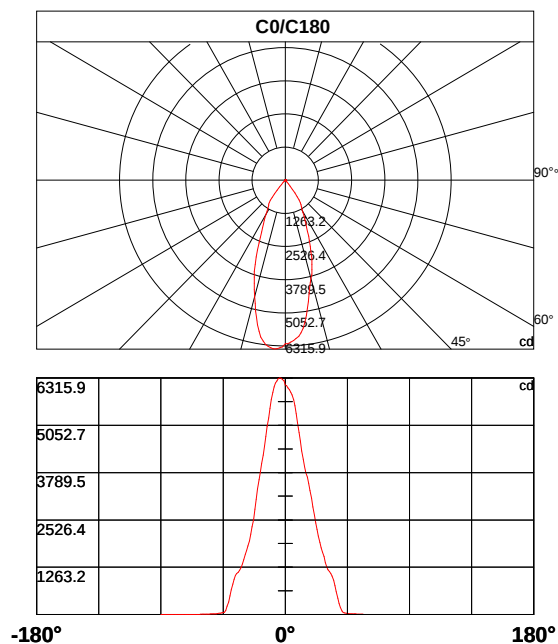
Half Peak Side Angle(50%): Left: -22.7 Right:16.7

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -40.8 Right:35.2



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	6117.8	6114.3	6055.7	6002.7	5934.0	5861.4	5738.0	5570.5	5362.4	5120.5
45.0	6117.8	5987.7	5951.9	5918.6	5875.5	5817.8	5752.7	5666.7	5539.7	5370.2
90.0	6117.8	5987.7	5951.9	5918.6	5875.5	5817.8	5752.7	5666.7	5539.7	5370.2
135.0	6117.8	6238.5	6274.5	6311.6	6315.9	6298.0	6244.4	6182.0	6077.3	5931.6
180.0	6117.8	6238.5	6274.5	6311.6	6315.9	6298.0	6244.4	6182.0	6077.3	5931.6
225.0	6117.8	6098.6	6133.9	6141.3	6126.1	6075.6	5992.2	5856.7	5673.4	5448.2
270.0	6117.8	6098.6	6133.9	6141.3	6126.1	6075.6	5992.2	5856.7	5673.4	5448.2
315.0	6117.8	6114.3	6055.7	6002.7	5934.0	5861.4	5738.0	5570.5	5362.4	5120.5
360.0	6117.8	6114.3	6055.7	6002.7	5934.0	5861.4	5738.0	5570.5	5362.4	5120.5

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	4854.0	4628.9	4370.2	4141.7	3949.5	3790.7	3663.1	3498.5	3312.3	3100.6
45.0	5164.8	4932.2	4737.3	4503.9	4272.1	4062.1	3890.4	3743.3	3621.7	3442.9
90.0	5164.8	4932.2	4737.3	4503.9	4272.1	4062.1	3890.4	3743.3	3621.7	3442.9
135.0	5735.7	5504.4	5245.5	5020.3	4753.0	4494.7	4254.9	4035.1	3807.7	3602.3
180.0	5735.7	5504.4	5245.5	5020.3	4753.0	4494.7	4254.9	4035.1	3807.7	3602.3
225.0	5185.1	4917.7	4683.9	4438.2	4209.9	4003.1	3792.3	3566.0	3349.9	3082.7
270.0	5185.1	4917.7	4683.9	4438.2	4209.9	4003.1	3792.3	3566.0	3349.9	3082.7
315.0	4854.0	4628.9	4370.2	4141.7	3949.5	3790.7	3663.1	3498.5	3312.3	3100.6
360.0	4854.0	4628.9	4370.2	4141.7	3949.5	3790.7	3663.1	3498.5	3312.3	3100.6

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	2872.8	2649.0	2441.1	2276.1	2090.6	1924.9	1779.8	1661.7	1543.7	1385.6
45.0	3237.0	2998.0	2750.5	2516.0	2336.9	2144.4	1972.3	1828.1	1709.8	1621.7
90.0	3237.0	2998.0	2750.5	2516.0	2336.9	2144.4	1972.3	1828.1	1709.8	1621.7
135.0	3352.1	3081.8	2809.5	2541.5	2340.0	2145.1	1970.5	1826.3	1707.6	1609.2
180.0	3352.1	3081.8	2809.5	2541.5	2340.0	2145.1	1970.5	1826.3	1707.6	1609.2
225.0	2806.8	2536.7	2298.9	2124.5	1941.2	1789.6	1671.8	1574.1	1445.3	1326.2
270.0	2806.8	2536.7	2298.9	2124.5	1941.2	1789.6	1671.8	1574.1	1445.3	1326.2
315.0	2872.8	2649.0	2441.1	2276.1	2090.6	1924.9	1779.8	1661.7	1543.7	1385.6
360.0	2872.8	2649.0	2441.1	2276.1	2090.6	1924.9	1779.8	1661.7	1543.7	1385.6

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1276.5	1200.3	1147.8	1097.9	1028.4	911.9	767.0	605.2	436.8	292.6
45.0	1477.3	1341.1	1240.8	1173.3	1128.3	1081.1	998.7	875.0	731.5	573.6
90.0	1477.3	1341.1	1240.8	1173.3	1128.3	1081.1	998.7	875.0	731.5	573.6
135.0	1463.2	1348.3	1255.3	1182.0	1133.0	1094.6	1040.9	938.8	812.4	656.4
180.0	1463.2	1348.3	1255.3	1182.0	1133.0	1094.6	1040.9	938.8	812.4	656.4
225.0	1227.6	1155.8	1103.3	1065.5	1007.2	920.2	785.4	642.5	486.9	340.0
270.0	1227.6	1155.8	1103.3	1065.5	1007.2	920.2	785.4	642.5	486.9	340.0
315.0	1276.5	1200.3	1147.8	1097.9	1028.4	911.9	767.0	605.2	436.8	292.6
360.0	1276.5	1200.3	1147.8	1097.9	1028.4	911.9	767.0	605.2	436.8	292.6

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	191.1	96.1	52.3	38.2	32.2	27.0	22.1	21.2	18.8	17.2
45.0	421.9	300.4	176.2	88.3	52.3	42.3	35.8	30.6	26.4	25.5
90.0	421.9	300.4	176.2	88.3	52.3	42.3	35.8	30.6	26.4	25.5
135.0	492.7	334.0	220.4	112.2	59.9	48.5	38.4	32.2	30.6	24.6
180.0	492.7	334.0	220.4	112.2	59.9	48.5	38.4	32.2	30.6	24.6
225.0	226.0	115.6	54.8	37.3	34.2	25.7	23.9	18.4	16.6	14.8
270.0	226.0	115.6	54.8	37.3	34.2	25.7	23.9	18.4	16.6	14.8
315.0	191.1	96.1	52.3	38.2	32.2	27.0	22.1	21.2	18.8	17.2
360.0	191.1	96.1	52.3	38.2	32.2	27.0	22.1	21.2	18.8	17.2

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	12.7	11.6	9.5	7.4	7.2	6.0	4.7	3.8	2.6	2.2
45.0	22.1	18.1	18.6	16.5	14.5	10.7	9.2	7.6	6.4	5.2
90.0	22.1	18.1	18.6	16.5	14.5	10.7	9.2	7.6	6.4	5.2
135.0	21.9	21.5	17.6	16.1	13.2	10.9	8.9	9.2	7.5	5.8
180.0	21.9	21.5	17.6	16.1	13.2	10.9	8.9	9.2	7.5	5.8
225.0	15.2	13.0	11.9	8.7	6.7	5.4	4.9	1.1	1.1	1.2
270.0	15.2	13.0	11.9	8.7	6.7	5.4	4.9	1.1	1.1	1.2
315.0	12.7	11.6	9.5	7.4	7.2	6.0	4.7	3.8	2.6	2.2
360.0	12.7	11.6	9.5	7.4	7.2	6.0	4.7	3.8	2.6	2.2

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	4.4	3.6	1.3	0.9	0.9	0.9	0.9	0.0	0.0	0.0
90.0	4.4	3.6	1.3	0.9	0.9	0.9	0.9	0.0	0.0	0.0
135.0	5.4	4.9	3.4	2.7	2.2	1.3	0.8	0.2	0.0	0.0
180.0	5.4	4.9	3.4	2.7	2.2	1.3	0.8	0.2	0.0	0.0
225.0	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	1.8	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

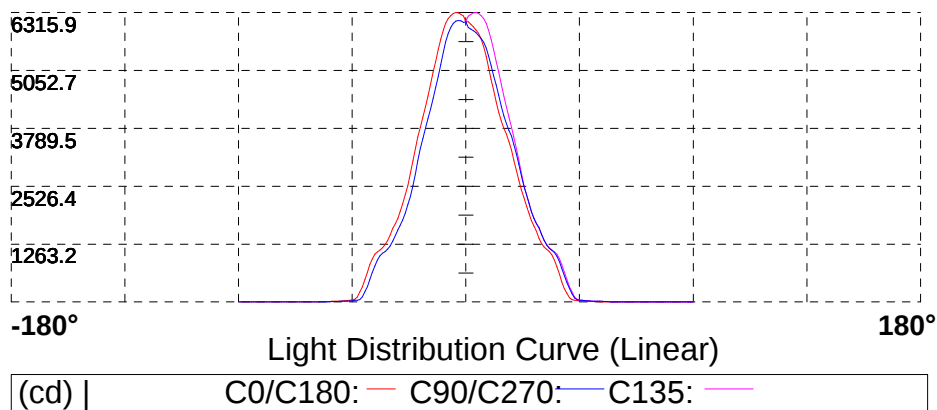
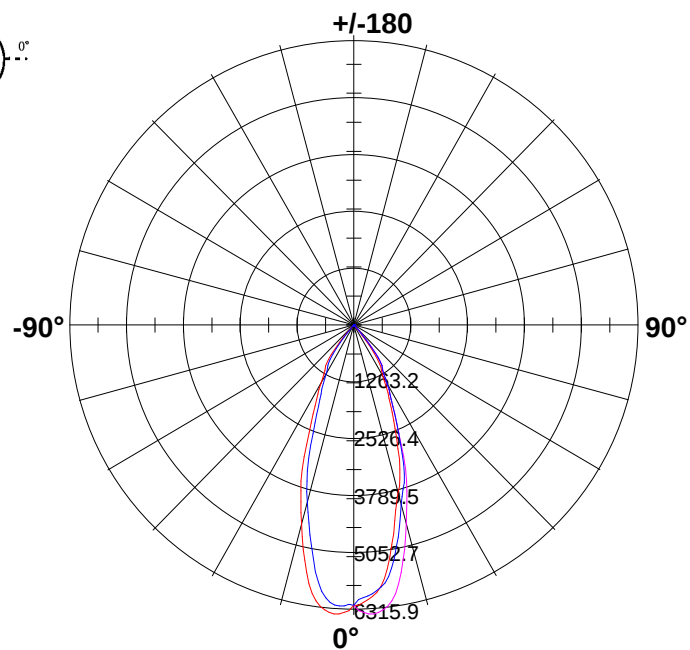
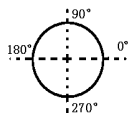
Photometric Data Table [cd]

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

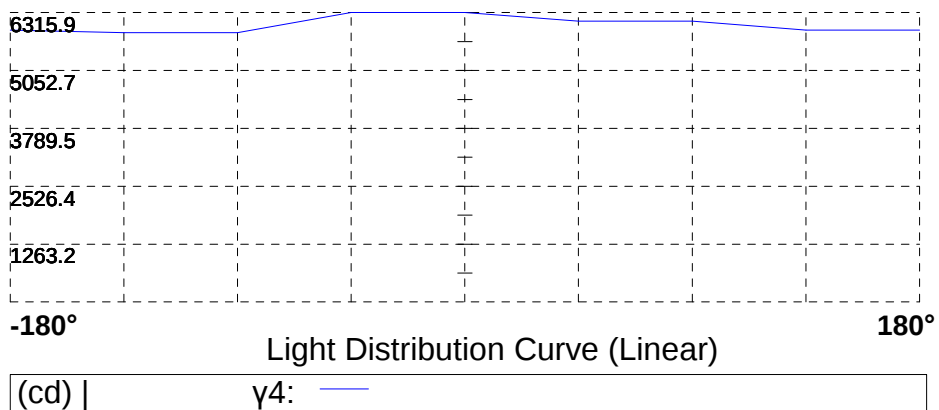
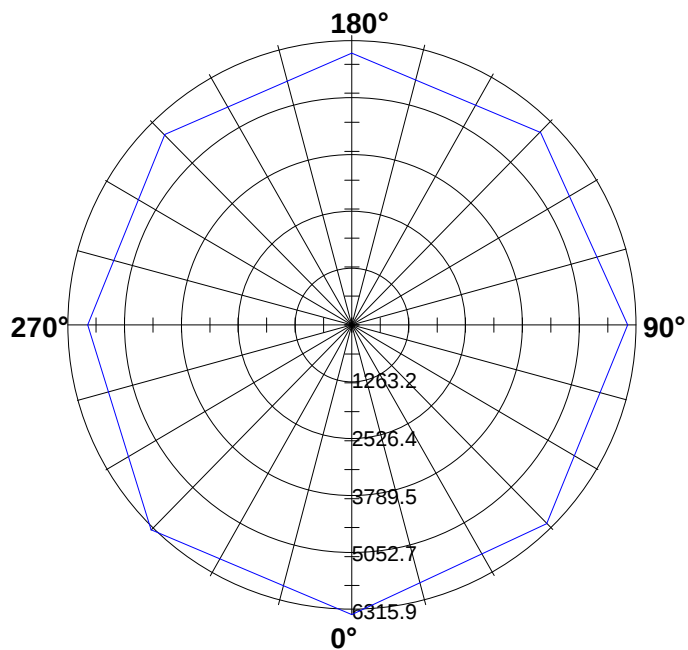
C\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0
135.0	0.0
180.0	0.0
225.0	0.0
270.0	0.0
315.0	0.0
360.0	0.0

Light Distribution Curve [Unit: cd]

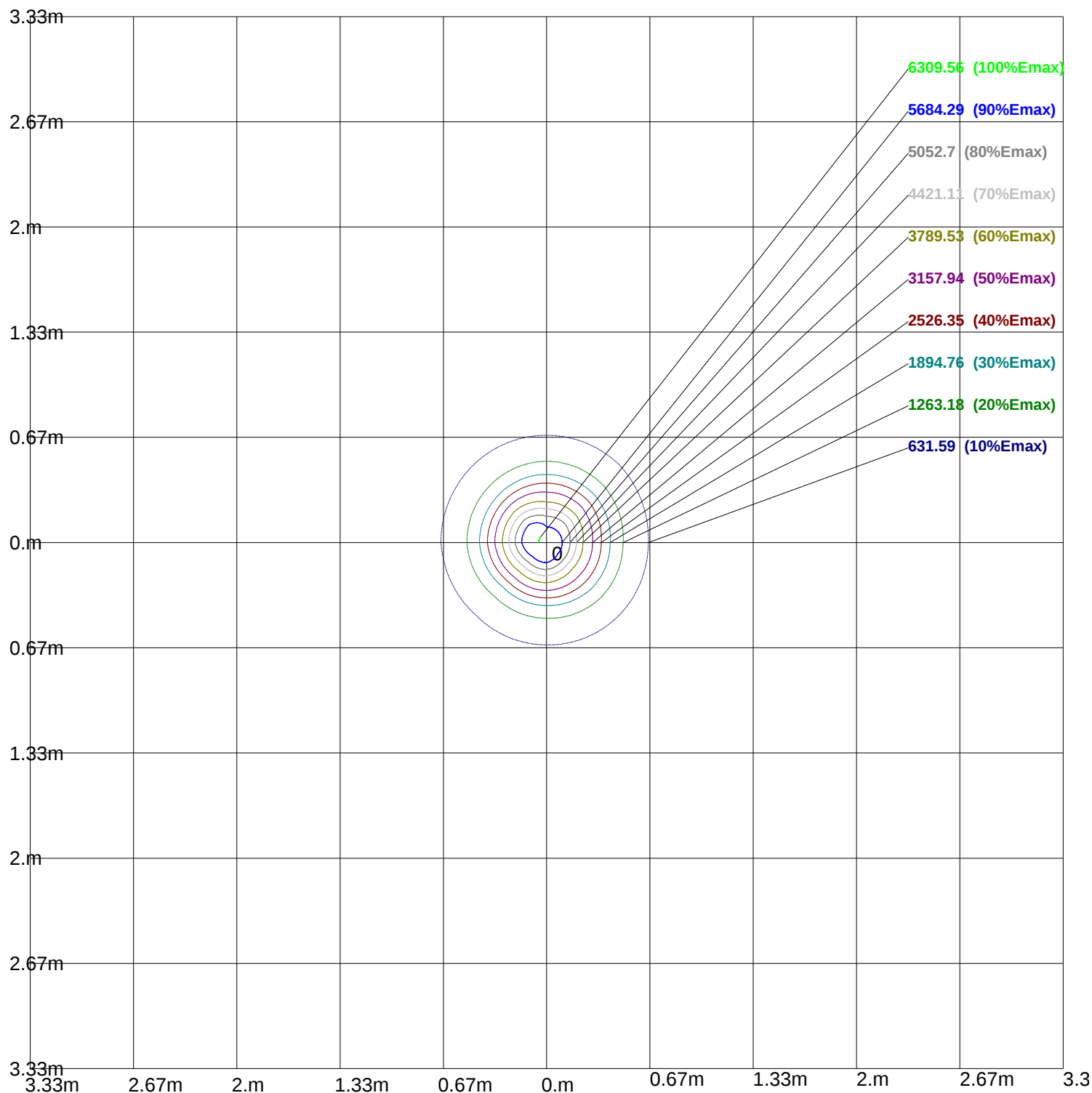
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 6315.88lx

Luminance Limiting Curve

Diameter: mm

Length: 339mm

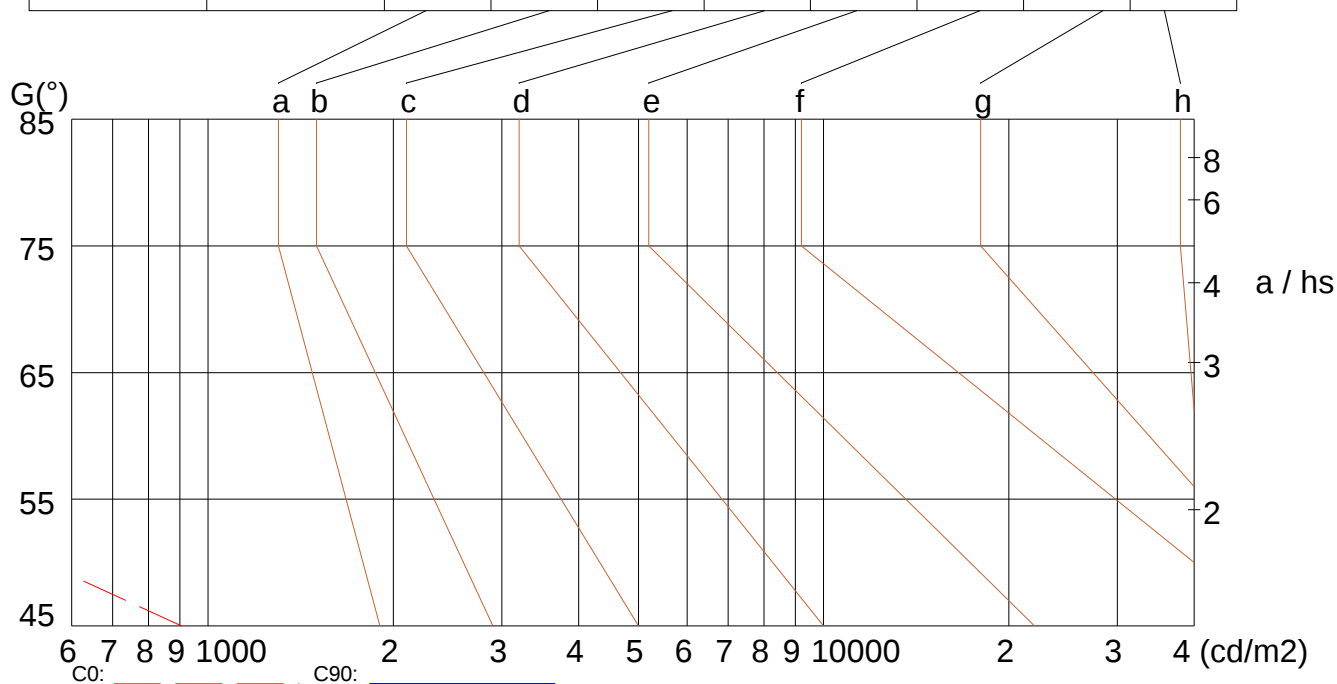
Width: 195mm

Height: 159mm

(cd/m²)

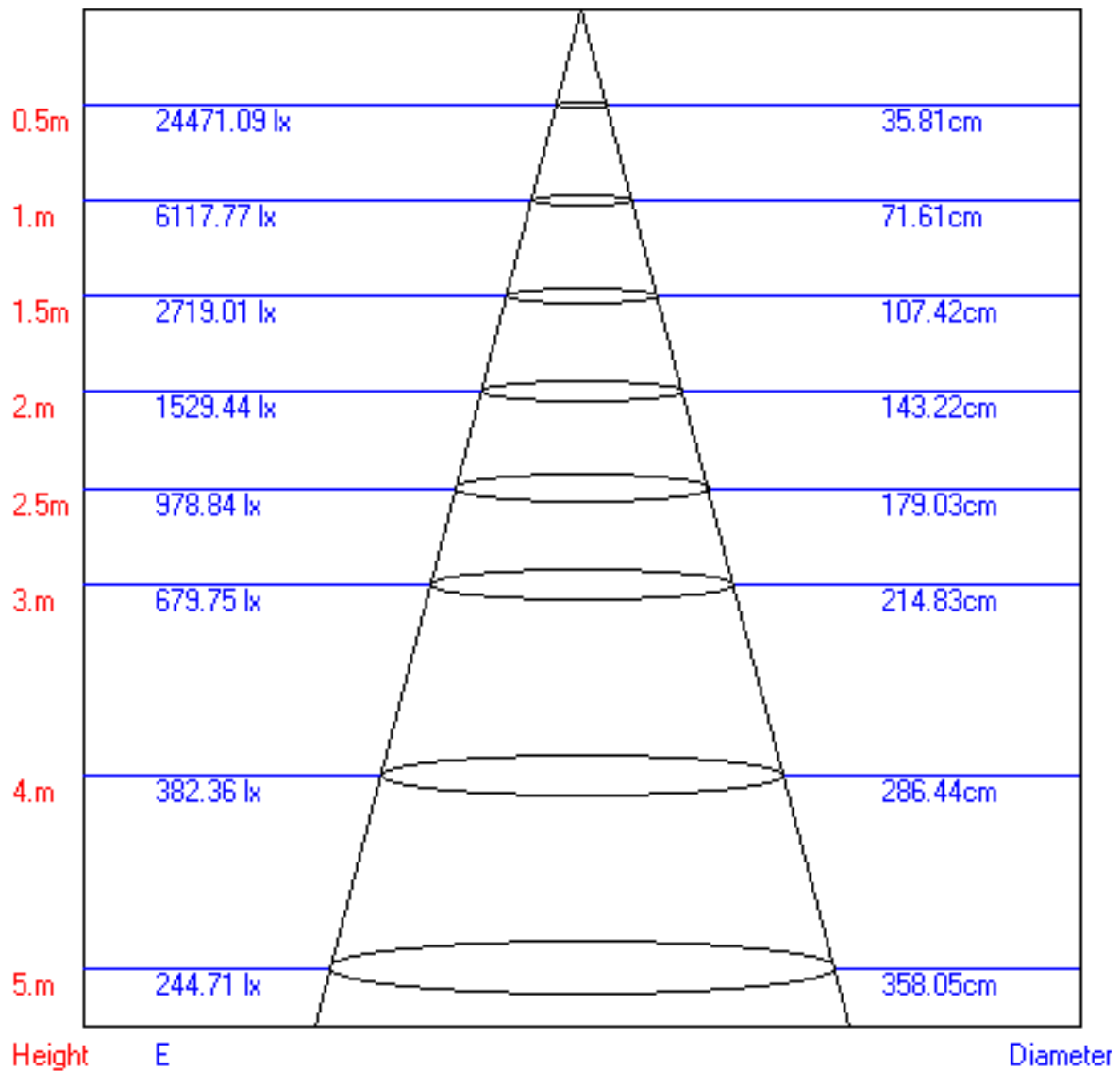
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	905	521	283	135					
C90	579	300	159	54					

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:39.40°

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	1.15	1.14	1.14	1.13	1.13	1.12	1.09	1.08	1.07	1.03	1.02	1.01	0.96	0.95	0.94	0.89
2	1.09	1.08	1.07	1.07	1.06	1.05	1.03	1.02	1.00	0.99	0.97	0.95	0.92	0.90	0.89	0.84
3	1.03	1.02	1.01	1.02	1.00	0.99	0.98	0.96	0.94	0.94	0.91	0.89	0.89	0.86	0.84	0.79
4	0.98	0.96	0.95	0.96	0.94	0.93	0.93	0.91	0.89	0.89	0.86	0.84	0.85	0.82	0.79	0.75
5	0.92	0.91	0.90	0.91	0.89	0.88	0.88	0.86	0.84	0.85	0.82	0.79	0.81	0.78	0.75	0.71
6	0.88	0.86	0.85	0.87	0.85	0.83	0.84	0.81	0.79	0.81	0.78	0.75	0.78	0.74	0.71	0.67
7	0.83	0.82	0.81	0.82	0.80	0.79	0.80	0.77	0.75	0.77	0.74	0.71	0.74	0.70	0.67	0.64
8	0.79	0.78	0.77	0.78	0.76	0.75	0.76	0.73	0.71	0.74	0.70	0.68	0.71	0.67	0.64	0.60
9	0.75	0.74	0.73	0.75	0.73	0.71	0.73	0.70	0.68	0.71	0.67	0.64	0.68	0.64	0.61	0.58
10	0.72	0.71	0.70	0.71	0.69	0.68	0.70	0.67	0.65	0.68	0.64	0.61	0.65	0.61	0.58	0.55

