

Luminaire Property

Luminaire:

Report NO.:

Test NO.:

Lamp: [LAMP] HL200-45D

Sum Lumens: 24310.79 lm

Number of Lamps: 1

Diameter: 0mm

Length: 380mm

Photometric Type: Type C

Voltage: 221.7 V

Current: 0.9294 A

Power: 200.7 W

Power Factor: 0.974

Ballast Type:

Width: 380mm

Height: 200mm

Remark:

Photometric Results

Lumens: 24310.79 lm

Efficiency: 100%

Central Intensity: 30728.5cd

Maximum Intensity: 32073.42cd

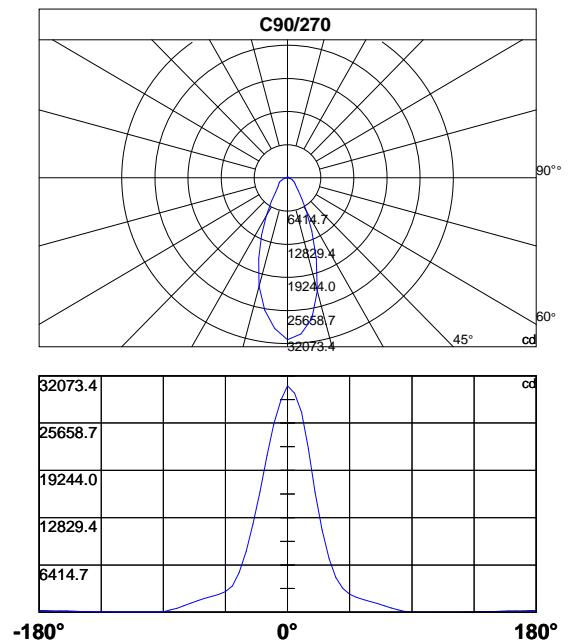
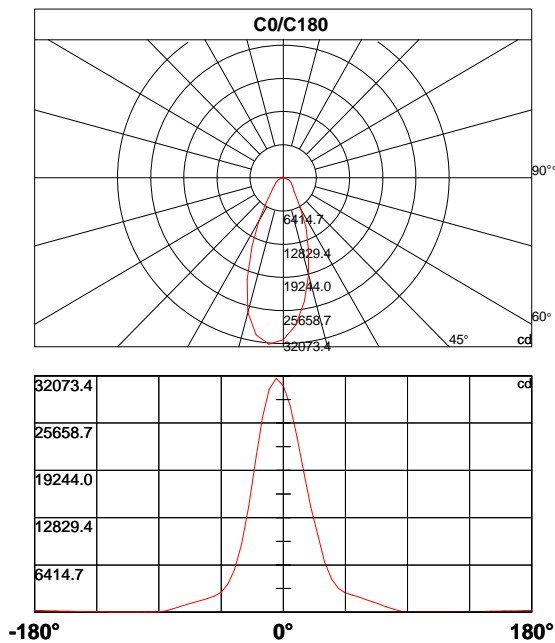
Beam Angle(10%): Left: -45.4 Right:38.0

Angle of maximum intensity: C:150.0 G:5.0

Half Peak Side Angle(50%): Left: -22.9 Right:18.8

Up Flux Rate: 1.29%

Down Flux Rate: 98.71%



Photometric Data Table [cd]

Cly	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	30728.5	28050.9	23733.2	18966.4	14211.5	10425.3	6780.9	4471.4	3248.7	2620.8
30.0	30728.5	27921.0	24028.5	18931.0	14052.0	9931.0	6585.4	4226.3	3049.0	2457.2
60.0	30728.5	28972.4	25617.4	20620.3	15304.3	10673.4	6916.8	4560.0	3207.3	2512.7
90.0	30728.5	29722.6	27105.9	22256.5	16290.7	11143.6	7244.0	4692.9	3217.4	2439.5
120.0	30728.5	31973.0	30065.1	25499.3	19196.8	11773.8	8322.0	5359.1	3580.6	2599.5
150.0	30728.5	32073.4	30762.1	27029.1	20850.7	14524.6	9249.9	5989.4	3898.4	2734.8
180.0	30728.5	31713.1	30289.6	26438.4	20478.6	14365.1	9326.1	5809.8	3850.0	2720.0
210.0	30728.5	30915.7	29137.8	25505.2	20082.8	14394.7	9338.5	6001.2	3945.7	2878.3
240.0	30728.5	29633.9	27100.0	22841.2	17607.9	11719.5	8661.0	5549.4	3657.4	2745.4
270.0	30728.5	28718.4	25511.1	21252.3	16349.8	11943.4	8257.6	5416.5	3555.8	2796.8
300.0	30728.5	28978.3	24973.6	20366.3	15499.2	11346.8	7814.6	5014.8	3455.4	2782.6
330.0	30728.5	27968.3	23739.1	18848.3	13998.9	10226.9	6976.4	4506.2	3259.3	2663.3
360.0	30728.5	28050.9	23733.2	18966.4	14211.5	10425.3	6780.9	4471.4	3248.7	2620.8

Cly	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	2301.3	2025.4	1729.5	1408.8	1053.8	713.5	389.3	128.8	14.1	9.3
30.0	2127.6	1829.9	1543.4	1168.1	927.2	592.4	300.7	85.7	9.9	9.6
60.0	2132.9	1839.3	1554.1	1256.9	935.6	617.3	320.7	94.9	10.3	10.0
90.0	2020.7	1700.5	1428.2	1160.7	876.2	572.6	298.5	85.9	10.3	10.2
120.0	2103.4	1751.9	1469.0	1175.2	915.7	621.9	345.1	121.6	16.8	11.2
150.0	2147.1	1788.0	1507.4	1246.9	961.6	677.5	401.1	165.7	28.2	10.9
180.0	2184.3	1844.1	1581.2	1321.9	1042.9	746.6	452.4	195.2	37.5	11.1
210.0	2235.1	1930.3	1681.1	1425.9	1133.5	830.5	528.7	310.1	50.4	11.2
240.0	2315.4	2067.4	1826.3	1538.1	1177.4	870.8	537.1	243.2	51.2	11.3
270.0	2403.4	2145.3	1864.2	1560.0	1220.3	881.3	538.7	306.0	49.1	11.2
300.0	2434.1	2174.9	1888.4	1568.8	1206.7	854.7	508.0	208.5	34.0	9.1
330.0	2357.4	2061.4	1756.1	1430.0	1085.5	722.6	398.5	133.0	17.4	9.0
360.0	2301.3	2025.4	1729.5	1408.8	1053.8	713.5	389.3	128.8	14.1	9.3

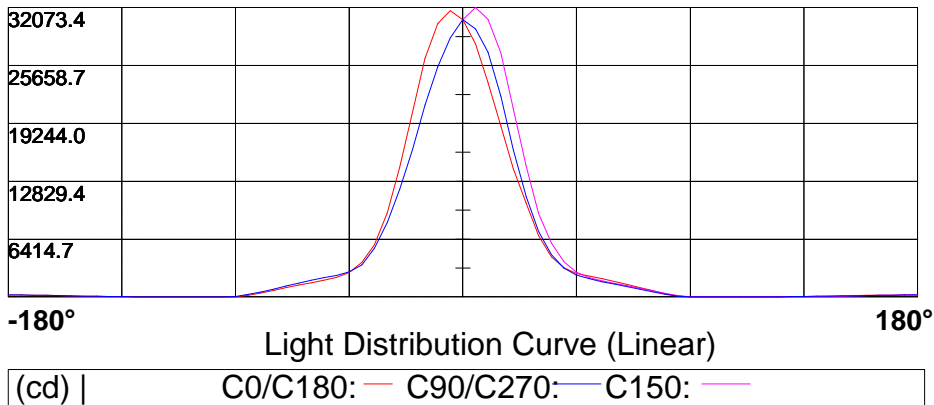
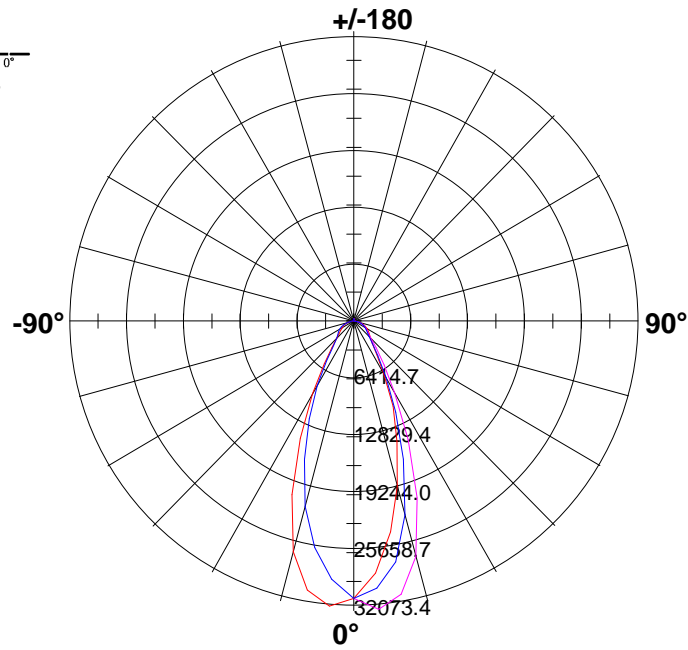
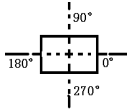
Cly	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	10.7	12.9	16.2	20.0	25.0	32.3	43.4	58.9	78.4	103.5
30.0	11.3	13.6	16.7	20.4	25.3	32.5	43.2	59.4	79.6	103.5
60.0	11.8	14.2	17.3	20.7	25.1	31.4	41.8	56.0	74.7	97.2
90.0	12.3	15.2	18.6	22.6	27.3	33.6	42.5	56.0	73.9	94.2
120.0	12.3	14.6	17.6	21.1	25.0	30.2	37.7	49.6	65.8	86.9
150.0	11.6	13.7	16.7	20.0	23.7	28.4	35.5	45.7	60.2	78.9
180.0	11.6	13.6	16.4	20.1	24.0	29.1	36.1	46.5	60.7	79.4
210.0	11.1	12.5	14.9	18.1	21.8	26.4	33.3	43.4	57.6	76.7
240.0	11.1	12.3	14.6	17.9	21.7	26.8	34.3	46.0	62.0	83.1
270.0	10.9	12.1	14.7	18.0	22.1	27.9	36.3	48.3	65.2	87.2
300.0	9.9	11.7	14.4	17.8	22.5	28.9	39.0	53.5	73.1	96.0
330.0	10.1	12.2	14.9	18.7	23.6	30.7	41.4	58.5	80.5	104.8
360.0	10.7	12.9	16.2	20.0	25.0	32.3	43.4	58.9	78.4	103.5

Photometric Data Table [cd]

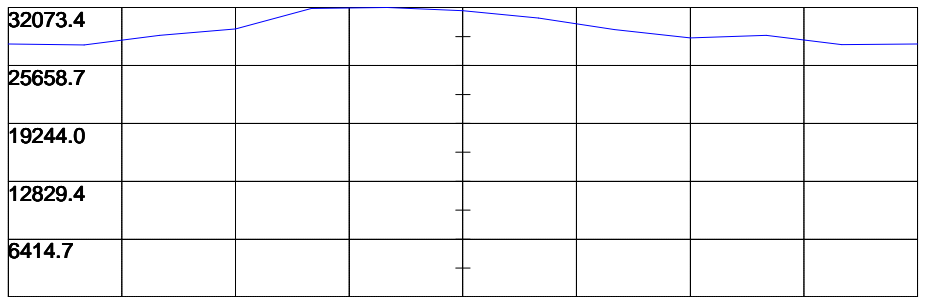
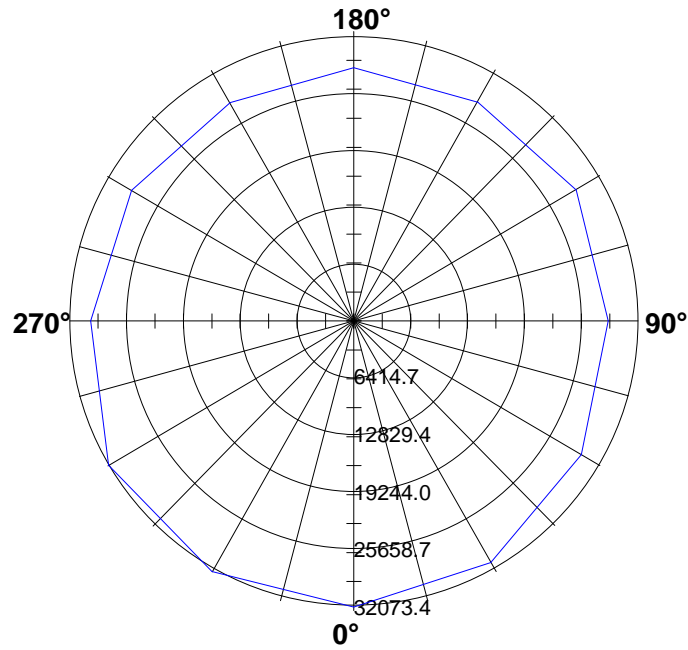
Cly	150.0	155.0	160.0	165.0	170.0	175.0	180.0
0.0	131.3	155.5	175.4	191.6	208.4	232.2	237.2
30.0	129.5	153.2	172.1	187.3	204.0	224.8	228.3
60.0	122.5	146.4	167.8	185.5	203.5	222.5	227.1
90.0	117.5	142.5	164.7	184.7	205.3	226.9	234.0
120.0	111.3	137.0	162.3	186.0	208.4	228.2	234.3
150.0	101.1	126.6	152.4	176.0	198.3	220.0	231.8
180.0	102.8	128.7	154.1	178.4	202.5	225.2	237.2
210.0	101.3	126.5	152.0	176.0	198.0	219.1	228.3
240.0	107.9	135.1	160.7	182.1	199.0	217.3	227.1
270.0	113.0	141.1	166.9	187.2	204.4	223.3	234.0
300.0	124.9	149.6	170.6	187.1	204.3	226.9	234.3
330.0	131.2	156.3	176.6	192.7	209.0	229.6	231.8
360.0	131.3	155.5	175.4	191.6	208.4	232.2	237.2

Light Distribution Curve [Unit: cd]

Luminaire



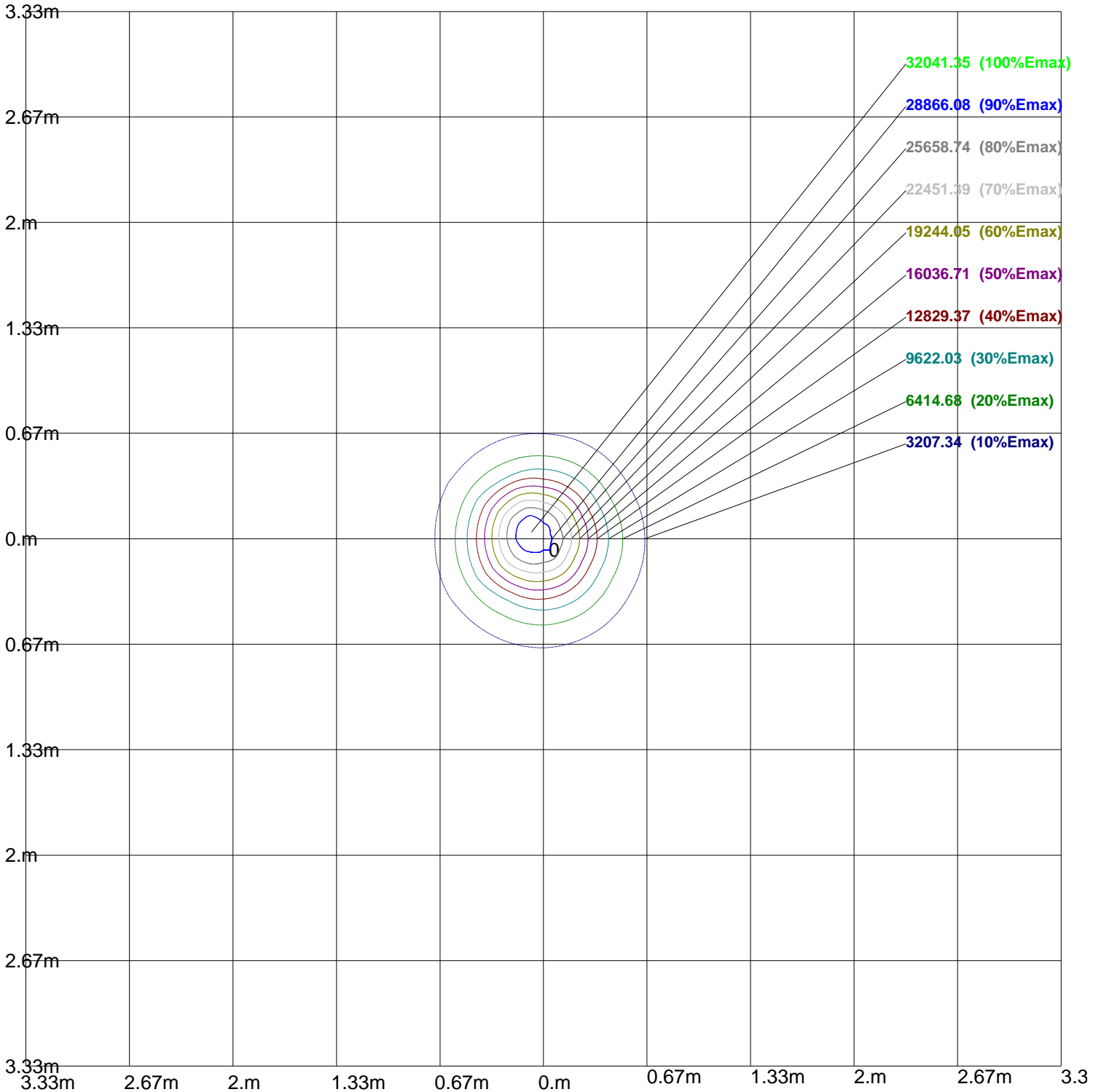
Max Plane Light Distribution Curve [Unit: cd]



-180° Light Distribution Curve (Linear) 180°

(cd) | γ5: —

Iso-Lux[lx]



Height: 1 m
Max Illuminance : 32073.42lx

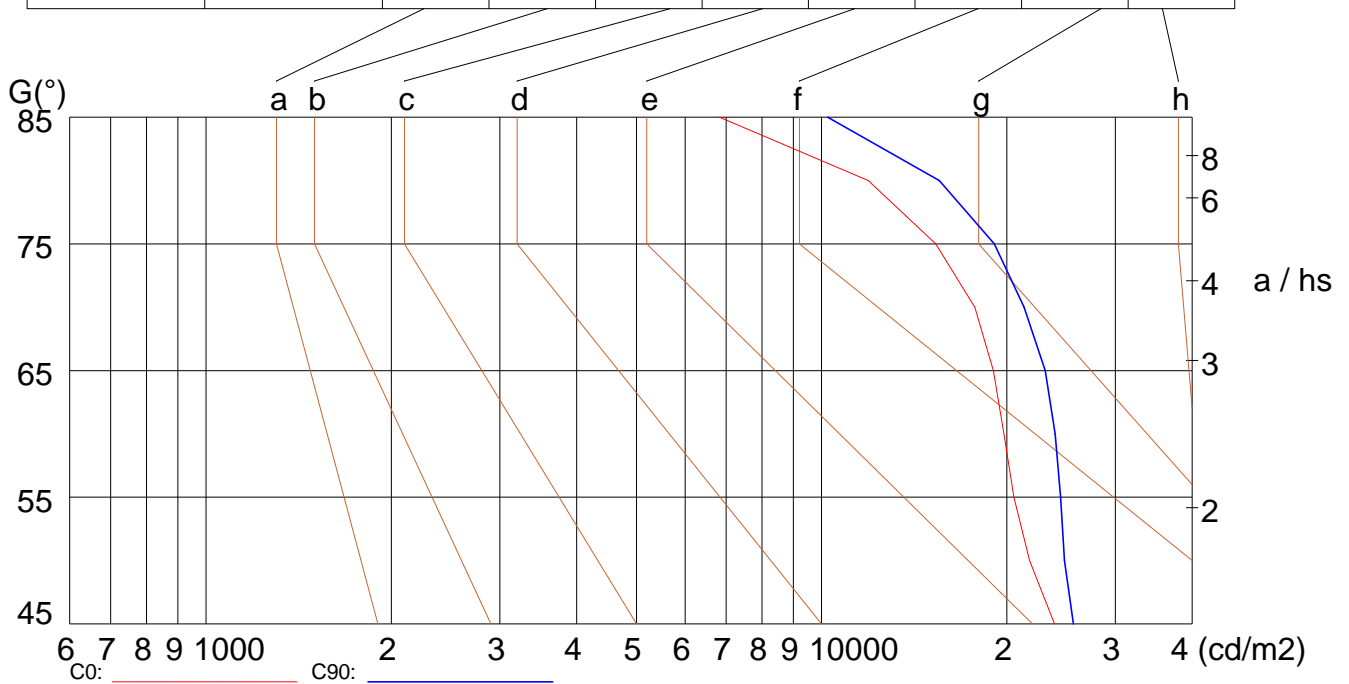
Luminance Limiting Curve

Diameter: 0mm
 Length: 380mm
 Width: 380mm
 Height: 200mm

(cd/m²)

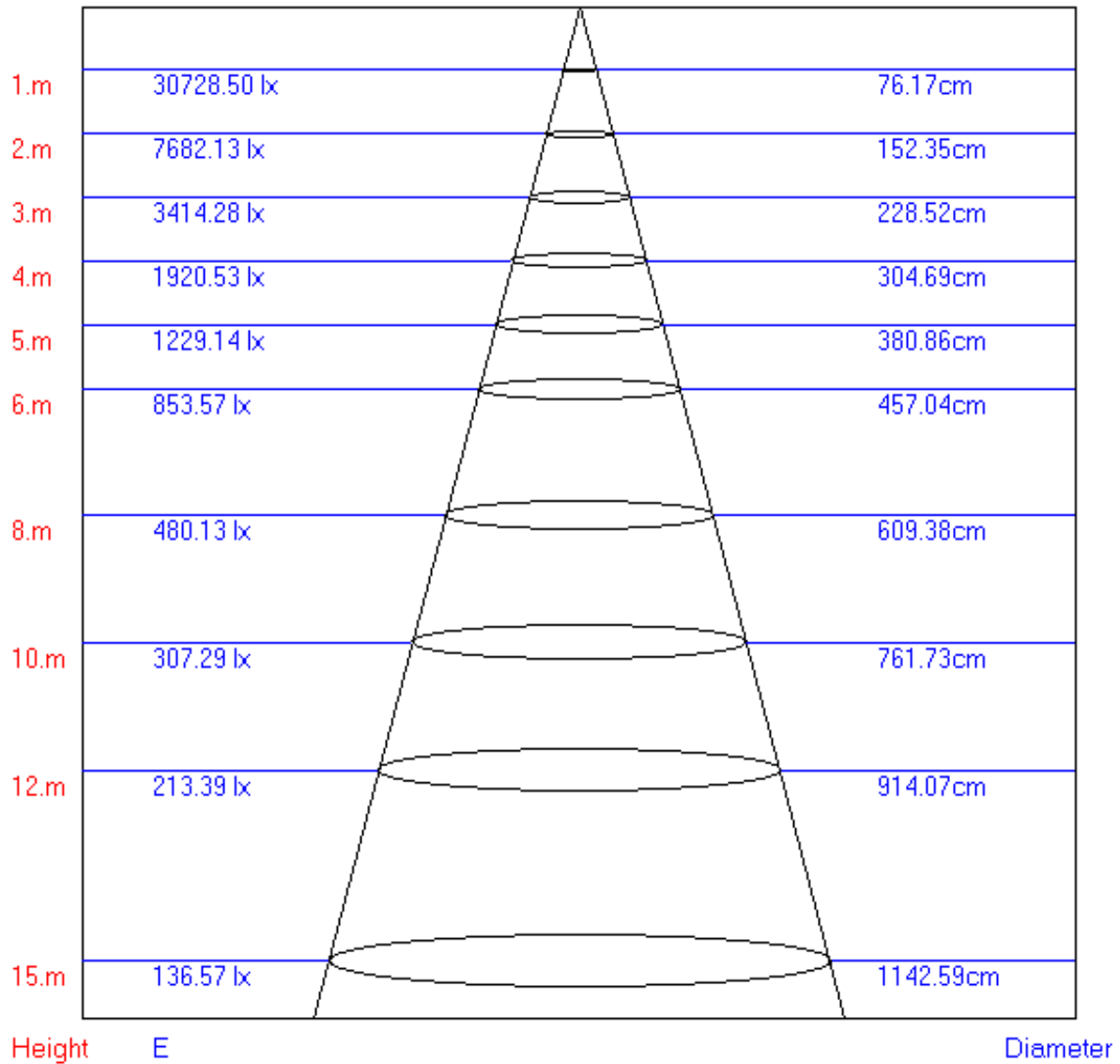
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	23891	21770	20532	19782	19020	17741	15321	11906	6824
C90	25667	24793	24454	23954	23084	21336	19092	15524	10232

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:41.70°

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	1.09	1.08	1.09	1.08	1.06	1.05	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.90	0.84
2	1.00	0.99	0.97	0.99	0.97	0.95	0.96	0.93	0.91	0.92	0.89	0.87	0.86	0.83	0.81	0.76
3	0.92	0.90	0.88	0.91	0.88	0.87	0.88	0.85	0.83	0.85	0.81	0.78	0.80	0.77	0.74	0.69
4	0.84	0.82	0.81	0.84	0.81	0.79	0.82	0.78	0.76	0.79	0.75	0.72	0.75	0.71	0.67	0.63
5	0.78	0.76	0.75	0.78	0.75	0.73	0.76	0.72	0.70	0.74	0.70	0.66	0.71	0.66	0.62	0.59
6	0.73	0.71	0.69	0.72	0.70	0.68	0.71	0.67	0.65	0.69	0.65	0.62	0.67	0.62	0.58	0.54
7	0.68	0.66	0.65	0.68	0.65	0.63	0.67	0.63	0.60	0.65	0.61	0.57	0.63	0.58	0.54	0.51
8	0.64	0.62	0.61	0.64	0.61	0.59	0.63	0.59	0.57	0.62	0.57	0.54	0.60	0.55	0.51	0.48
9	0.60	0.58	0.57	0.60	0.58	0.56	0.59	0.56	0.53	0.59	0.54	0.51	0.57	0.52	0.48	0.45
10	0.57	0.55	0.54	0.57	0.54	0.53	0.56	0.53	0.51	0.56	0.51	0.48	0.55	0.49	0.45	0.42

