

Luminaire Property

Luminaire: RH-S15-70W 4000K

Report NO.:

Test NO.:

Lamp:

Sum Lumens: 9005.04 lm

Number of Lamps: 1

Diameter: mm

Length: 1420mm

Photometric Type: Type C

Voltage: 230.5 V

Current: 0.315 A

Power: 68.9 W

Power Factor: 0.948

Ballast Type: TRIDONIC LC 80 1750mA

Width: 68mm

Height: 70mm

Remark: SMD2835 300PCS 12C25B

Photometric Results

Lumens: 9005.04 lm

Efficiency: 130.6972 lm/W

Central Intensity: 3319.48cd

Maximum Intensity: 3365.138cd

Angle of maximum intensity: C:45.0 G:15.0

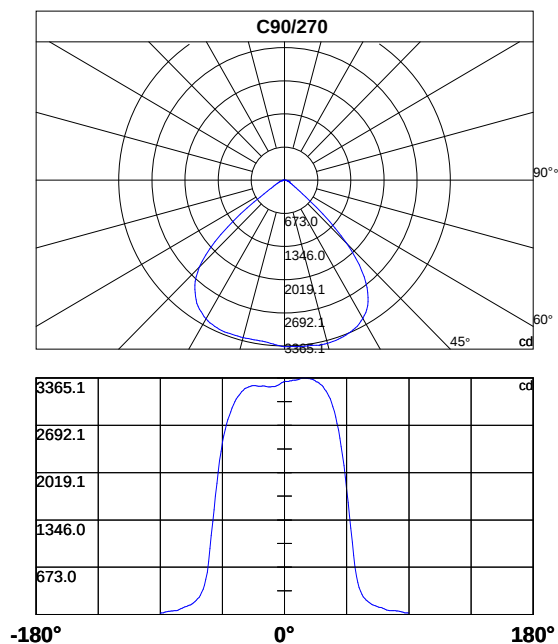
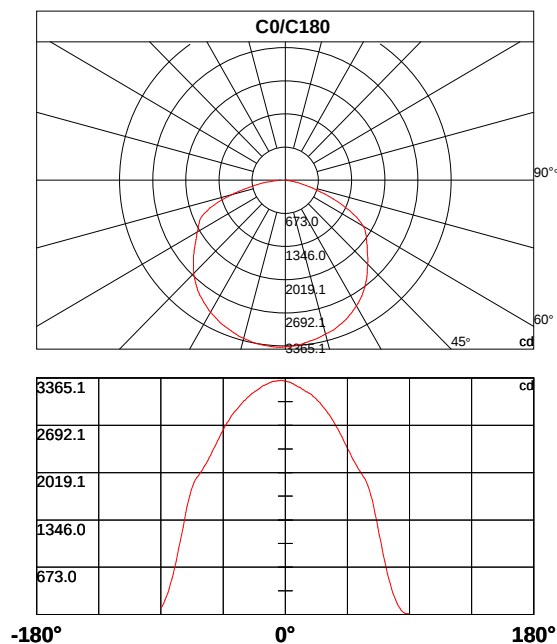
Half Peak Side Angle(50%): Left: -65.0 Right:30.5

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -74.5 Right:39.9



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	3319.5	3317.2	3312.5	3308.6	3301.8	3291.6	3278.7	3265.3	3256.8	3244.2
45.0	3319.5	3314.8	3316.8	3318.3	3322.2	3325.6	3332.4	3332.3	3334.1	3338.4
90.0	3319.5	3314.8	3316.8	3318.3	3322.2	3325.6	3332.4	3332.3	3334.1	3338.4
135.0	3319.5	3327.6	3331.5	3332.1	3330.0	3327.8	3323.3	3318.3	3318.9	3314.6
180.0	3319.5	3327.6	3331.5	3332.1	3330.0	3327.8	3323.3	3318.3	3318.9	3314.6
225.0	3319.5	3306.6	3296.4	3285.6	3269.6	3260.7	3250.1	3244.2	3241.7	3241.2
270.0	3319.5	3306.6	3296.4	3285.6	3269.6	3260.7	3250.1	3244.2	3241.7	3241.2
315.0	3319.5	3317.2	3312.5	3308.6	3301.8	3291.6	3278.7	3265.3	3256.8	3244.2
360.0	3319.5	3317.2	3312.5	3308.6	3301.8	3291.6	3278.7	3265.3	3256.8	3244.2

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	3235.4	3227.8	3212.2	3199.9	3185.8	3170.2	3162.7	3153.1	3143.6	3127.3
45.0	3343.2	3351.2	3360.9	3364.0	3364.4	3365.1	3362.9	3358.4	3356.8	3354.2
90.0	3343.2	3351.2	3360.9	3364.0	3364.4	3365.1	3362.9	3358.4	3356.8	3354.2
135.0	3307.9	3302.0	3289.3	3278.0	3271.7	3260.3	3254.2	3244.7	3226.7	3212.5
180.0	3307.9	3302.0	3289.3	3278.0	3271.7	3260.3	3254.2	3244.7	3226.7	3212.5
225.0	3237.1	3238.4	3238.4	3241.7	3246.4	3250.1	3250.1	3247.5	3247.1	3249.6
270.0	3237.1	3238.4	3238.4	3241.7	3246.4	3250.1	3250.1	3247.5	3247.1	3249.6
315.0	3235.4	3227.8	3212.2	3199.9	3185.8	3170.2	3162.7	3153.1	3143.6	3127.3
360.0	3235.4	3227.8	3212.2	3199.9	3185.8	3170.2	3162.7	3153.1	3143.6	3127.3

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	3108.9	3089.9	3071.8	3052.5	3035.1	3014.2	2988.4	2964.8	2937.9	2914.6
45.0	3347.5	3339.5	3328.2	3314.2	3305.1	3292.5	3276.3	3261.5	3237.8	3207.9
90.0	3347.5	3339.5	3328.2	3314.2	3305.1	3292.5	3276.3	3261.5	3237.8	3207.9
135.0	3198.4	3182.5	3172.4	3157.9	3148.3	3129.5	3110.3	3090.8	3071.8	3054.0
180.0	3198.4	3182.5	3172.4	3157.9	3148.3	3129.5	3110.3	3090.8	3071.8	3054.0
225.0	3250.7	3254.2	3258.3	3256.6	3251.8	3243.4	3239.0	3227.6	3222.3	3208.5
270.0	3250.7	3254.2	3258.3	3256.6	3251.8	3243.4	3239.0	3227.6	3222.3	3208.5
315.0	3108.9	3089.9	3071.8	3052.5	3035.1	3014.2	2988.4	2964.8	2937.9	2914.6
360.0	3108.9	3089.9	3071.8	3052.5	3035.1	3014.2	2988.4	2964.8	2937.9	2914.6

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	2893.1	2866.1	2839.8	2810.2	2781.0	2744.8	2709.1	2676.0	2639.4	2605.4
45.0	3178.2	3146.2	3111.3	3068.0	3015.4	2955.7	2889.0	2808.7	2720.2	2622.5
90.0	3178.2	3146.2	3111.3	3068.0	3015.4	2955.7	2889.0	2808.7	2720.2	2622.5
135.0	3036.9	3016.7	2991.7	2965.9	2944.2	2917.3	2898.6	2877.6	2850.1	2821.7
180.0	3036.9	3016.7	2991.7	2965.9	2944.2	2917.3	2898.6	2877.6	2850.1	2821.7
225.0	3191.2	3171.8	3145.5	3119.4	3098.3	3065.4	3031.5	2987.5	2936.9	2884.7
270.0	3191.2	3171.8	3145.5	3119.4	3098.3	3065.4	3031.5	2987.5	2936.9	2884.7
315.0	2893.1	2866.1	2839.8	2810.2	2781.0	2744.8	2709.1	2676.0	2639.4	2605.4
360.0	2893.1	2866.1	2839.8	2810.2	2781.0	2744.8	2709.1	2676.0	2639.4	2605.4

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	2568.5	2528.2	2487.7	2443.5	2405.4	2363.8	2333.4	2291.1	2247.6	2207.6
45.0	2510.0	2387.7	2268.6	2116.6	1953.2	1779.2	1595.6	1402.9	1228.7	1029.5
90.0	2510.0	2387.7	2268.6	2116.6	1953.2	1779.2	1595.6	1402.9	1228.7	1029.5
135.0	2788.4	2756.3	2729.1	2697.2	2663.2	2627.3	2586.6	2549.2	2508.3	2468.8
180.0	2788.4	2756.3	2729.1	2697.2	2663.2	2627.3	2586.6	2549.2	2508.3	2468.8
225.0	2836.0	2773.4	2710.4	2633.2	2541.2	2445.5	2324.9	2189.2	2038.3	1868.8
270.0	2836.0	2773.4	2710.4	2633.2	2541.2	2445.5	2324.9	2189.2	2038.3	1868.8
315.0	2568.5	2528.2	2487.7	2443.5	2405.4	2363.8	2333.4	2291.1	2247.6	2207.6
360.0	2568.5	2528.2	2487.7	2443.5	2405.4	2363.8	2333.4	2291.1	2247.6	2207.6

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	2171.6	2140.1	2108.5	2072.7	2041.7	2012.6	1981.5	1947.6	1920.3	1878.1
45.0	843.4	678.2	540.7	456.5	382.7	329.3	287.9	252.7	226.0	207.0
90.0	843.4	678.2	540.7	456.5	382.7	329.3	287.9	252.7	226.0	207.0
135.0	2428.8	2391.8	2350.4	2314.7	2270.5	2231.4	2192.6	2158.4	2122.5	2094.2
180.0	2428.8	2391.8	2350.4	2314.7	2270.5	2231.4	2192.6	2158.4	2122.5	2094.2
225.0	1684.4	1490.0	1321.5	1124.6	939.5	757.4	602.0	500.7	416.1	358.9
270.0	1684.4	1490.0	1321.5	1124.6	939.5	757.4	602.0	500.7	416.1	358.9
315.0	2171.6	2140.1	2108.5	2072.7	2041.7	2012.6	1981.5	1947.6	1920.3	1878.1
360.0	2171.6	2140.1	2108.5	2072.7	2041.7	2012.6	1981.5	1947.6	1920.3	1878.1

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	1830.3	1766.9	1692.6	1624.6	1533.7	1439.1	1343.2	1243.2	1140.8	1047.9
45.0	188.3	171.9	158.3	145.7	137.7	127.7	121.6	114.5	105.9	100.7
90.0	188.3	171.9	158.3	145.7	137.7	127.7	121.6	114.5	105.9	100.7
135.0	2059.9	2027.0	1999.5	1973.3	1942.4	1919.0	1882.9	1832.4	1772.0	1698.7
180.0	2059.9	2027.0	1999.5	1973.3	1942.4	1919.0	1882.9	1832.4	1772.0	1698.7
225.0	312.3	272.5	242.4	223.2	201.1	180.1	163.4	149.8	138.8	131.8
270.0	312.3	272.5	242.4	223.2	201.1	180.1	163.4	149.8	138.8	131.8
315.0	1830.3	1766.9	1692.6	1624.6	1533.7	1439.1	1343.2	1243.2	1140.8	1047.9
360.0	1830.3	1766.9	1692.6	1624.6	1533.7	1439.1	1343.2	1243.2	1140.8	1047.9

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	949.2	847.5	752.9	663.7	581.0	510.0	436.9	364.9	305.0	247.9
45.0	99.1	92.9	80.5	73.4	64.0	60.2	55.8	54.4	56.1	53.7
90.0	99.1	92.9	80.5	73.4	64.0	60.2	55.8	54.4	56.1	53.7
135.0	1629.2	1540.8	1446.9	1348.8	1244.0	1140.4	1049.5	947.5	851.0	756.3
180.0	1629.2	1540.8	1446.9	1348.8	1244.0	1140.4	1049.5	947.5	851.0	756.3
225.0	123.4	113.4	108.0	97.6	89.0	80.3	71.0	63.0	56.8	53.2
270.0	123.4	113.4	108.0	97.6	89.0	80.3	71.0	63.0	56.8	53.2
315.0	949.2	847.5	752.9	663.7	581.0	510.0	436.9	364.9	305.0	247.9
360.0	949.2	847.5	752.9	663.7	581.0	510.0	436.9	364.9	305.0	247.9

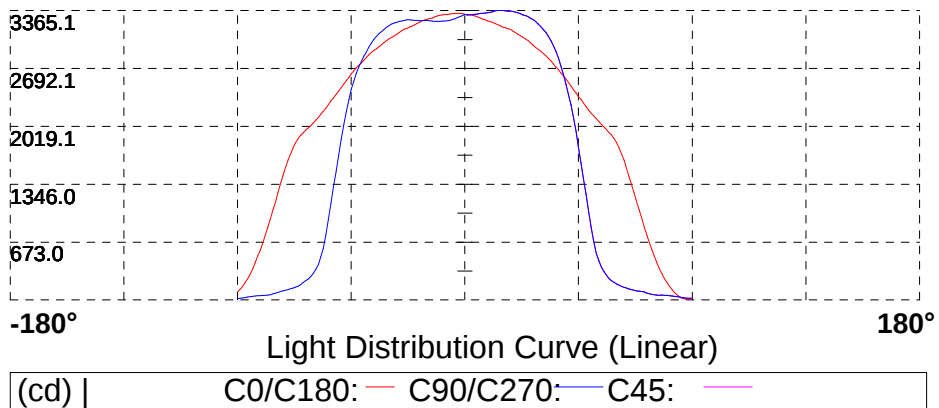
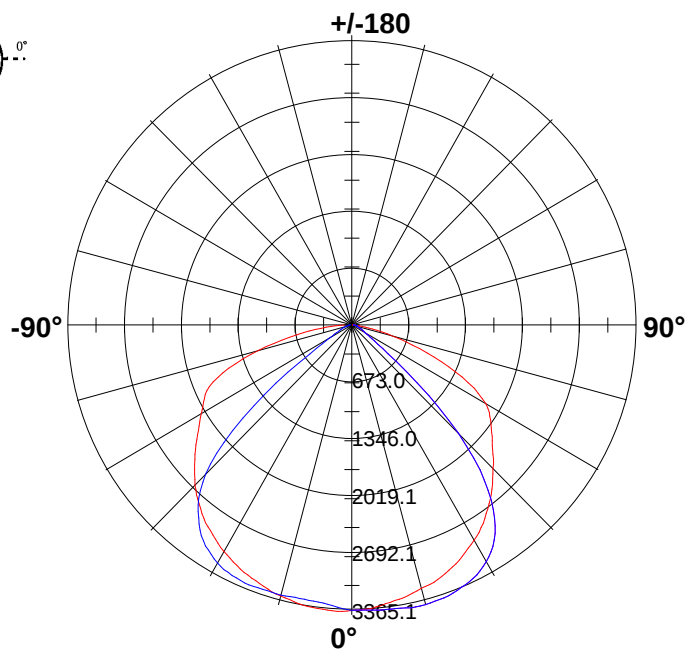
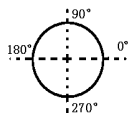
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	203.5	158.7	122.5	88.9	60.8	38.9	21.2	14.8	11.8	10.4
45.0	54.6	50.9	48.7	44.1	41.3	34.8	30.3	23.6	20.2	20.7
90.0	54.6	50.9	48.7	44.1	41.3	34.8	30.3	23.6	20.2	20.7
135.0	664.6	577.1	510.6	435.1	366.3	304.4	249.8	201.7	157.3	123.6
180.0	664.6	577.1	510.6	435.1	366.3	304.4	249.8	201.7	157.3	123.6
225.0	53.7	49.8	49.8	44.8	43.5	39.8	35.7	28.8	23.6	20.4
270.0	53.7	49.8	49.8	44.8	43.5	39.8	35.7	28.8	23.6	20.4
315.0	203.5	158.7	122.5	88.9	60.8	38.9	21.2	14.8	11.8	10.4
360.0	203.5	158.7	122.5	88.9	60.8	38.9	21.2	14.8	11.8	10.4

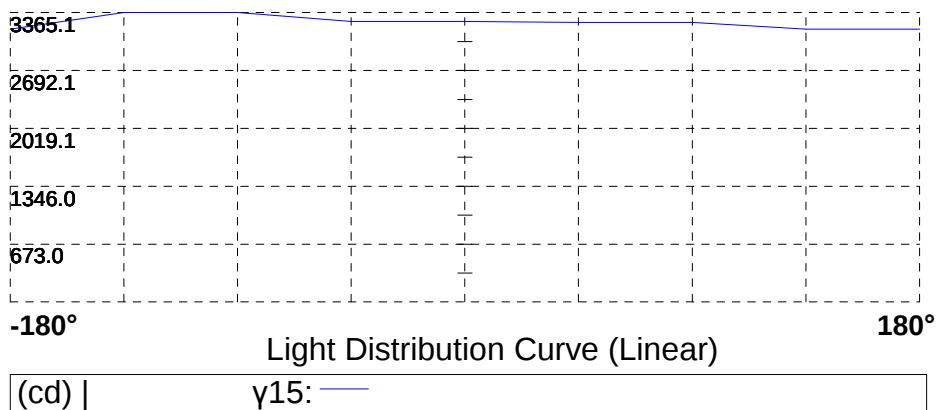
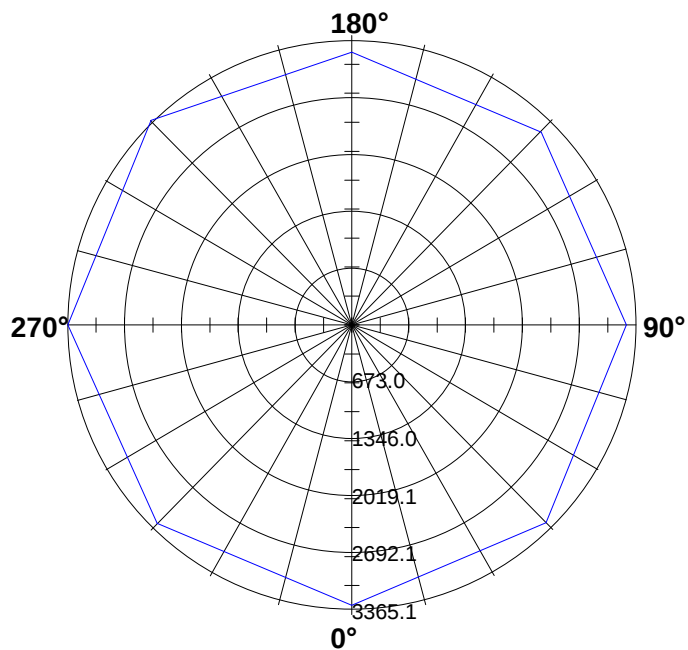
C\G	90.0
0.0	9.1
45.0	19.5
90.0	19.5
135.0	90.0
180.0	90.0
225.0	17.8
270.0	17.8
315.0	9.1
360.0	9.1

Light Distribution Curve [Unit: cd]

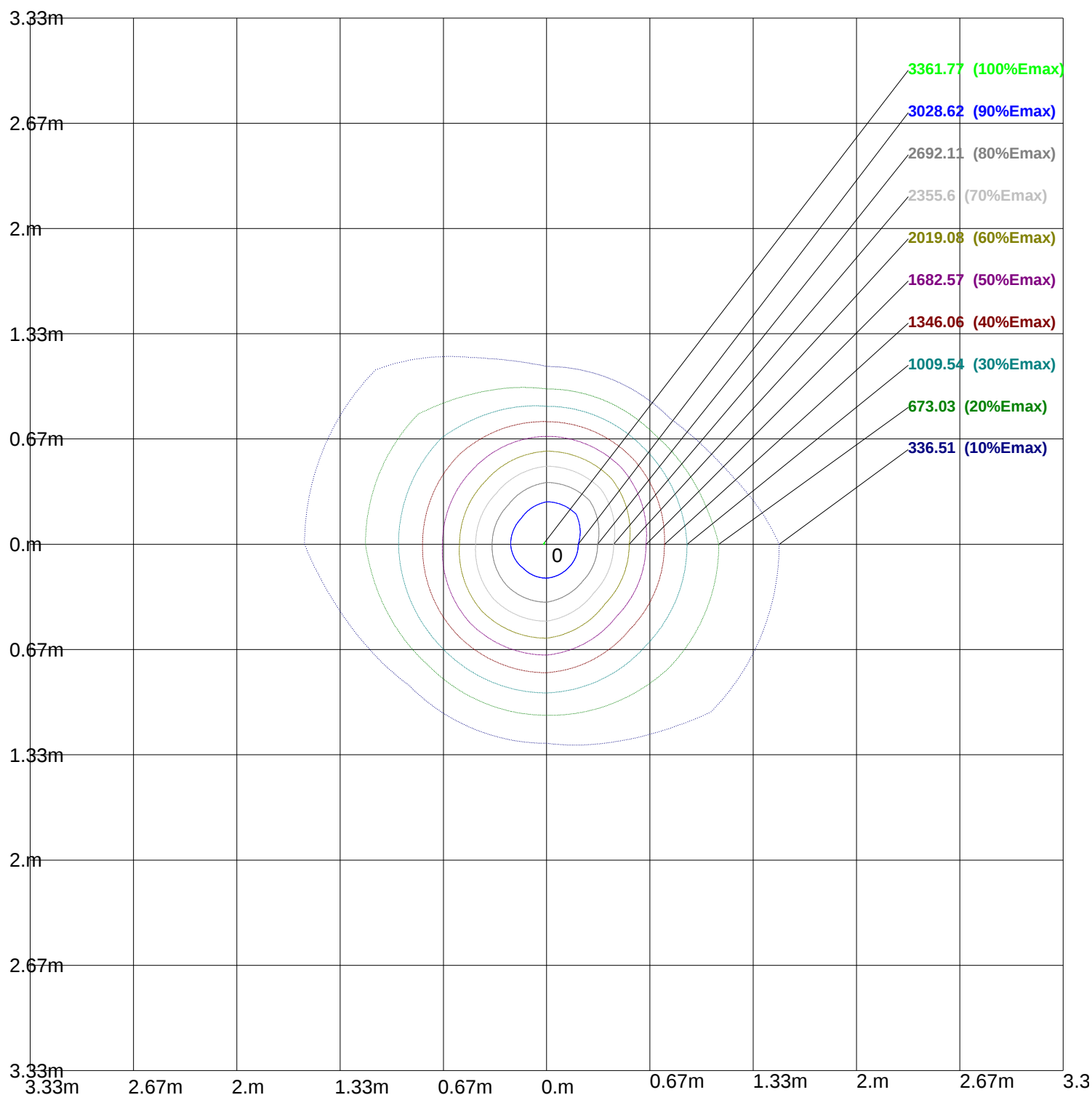
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 3365.14lx

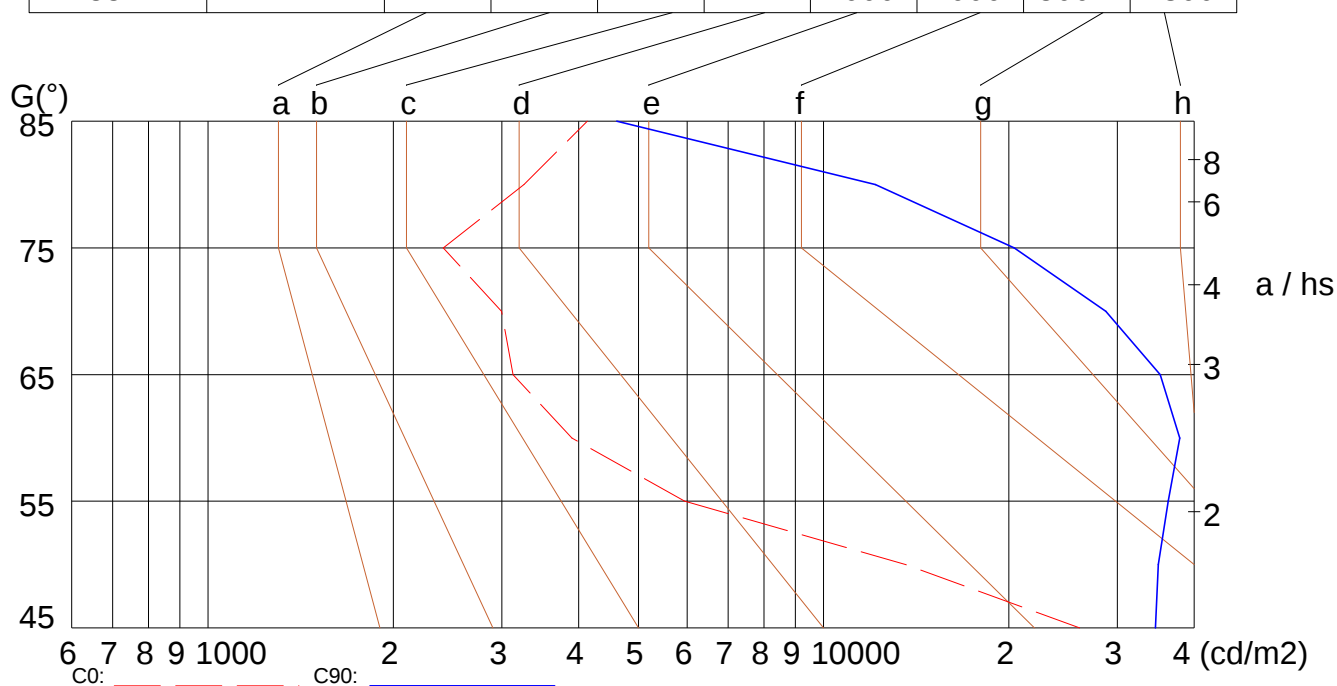
Luminance Limiting Curve

Diameter: mm
Length: 1420mm
Width: 68mm
Height: 70mm

(cd/m²)

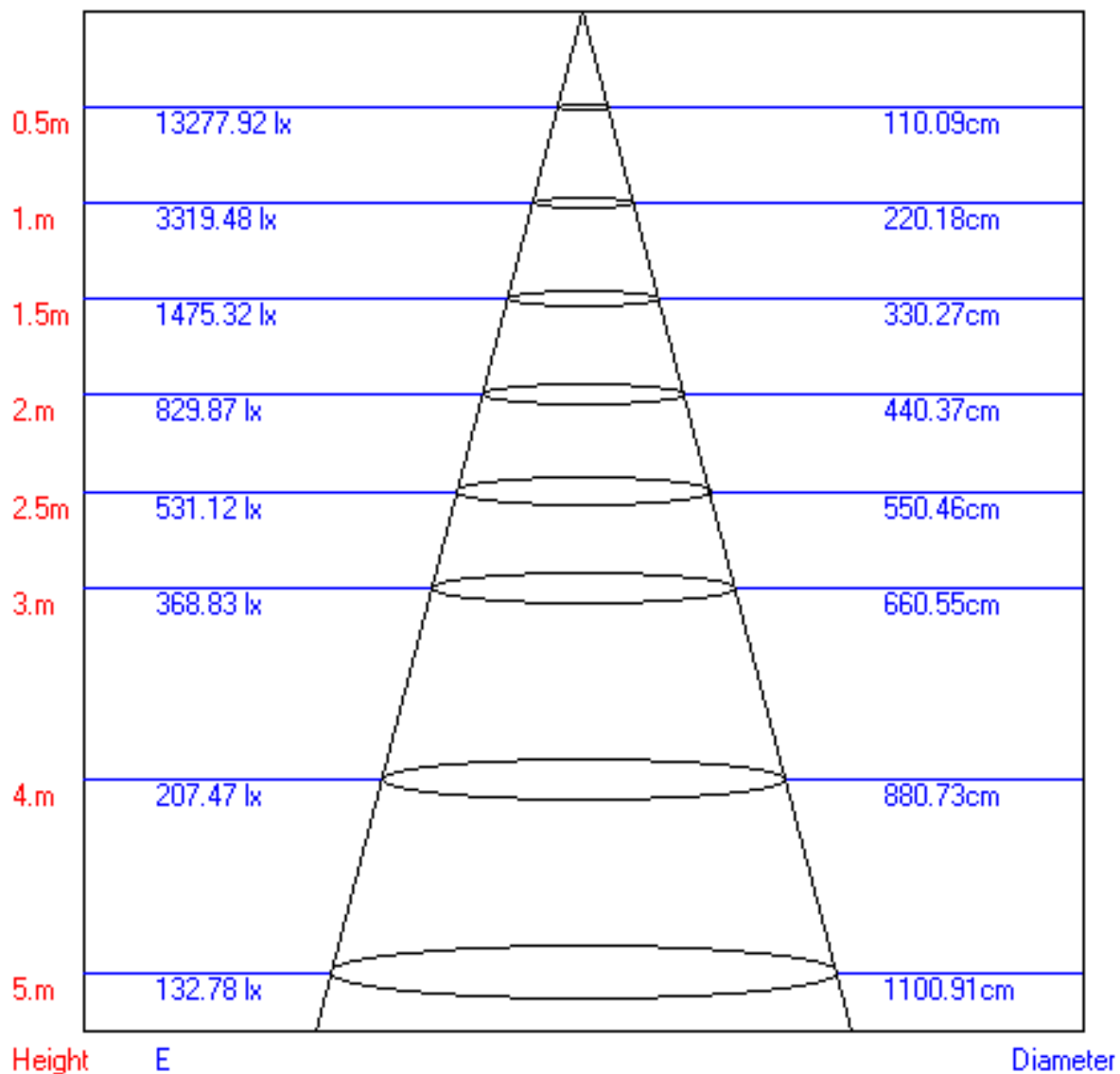
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	26048	13583	5944	3898	3128	2999	2409	3258	4129
C90	34605	34973	36324	37895	35250	28729	20398	12133	4615

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:95.50°

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	1.06	1.04	1.03	1.04	1.03	1.01	1.01	0.99	0.97	0.96	0.94	0.92	0.89	0.87	0.85	0.80
2	0.91	0.89	0.87	0.90	0.88	0.85	0.88	0.85	0.82	0.84	0.81	0.78	0.80	0.76	0.72	0.68
3	0.79	0.76	0.74	0.79	0.75	0.73	0.77	0.73	0.70	0.75	0.70	0.66	0.71	0.66	0.62	0.58
4	0.69	0.66	0.64	0.69	0.65	0.63	0.68	0.64	0.60	0.67	0.61	0.57	0.64	0.59	0.54	0.50
5	0.60	0.58	0.56	0.61	0.57	0.55	0.61	0.56	0.52	0.60	0.54	0.50	0.58	0.52	0.47	0.43
6	0.54	0.51	0.49	0.54	0.51	0.48	0.55	0.50	0.46	0.54	0.48	0.44	0.53	0.47	0.42	0.38
7	0.48	0.45	0.44	0.49	0.45	0.43	0.49	0.44	0.41	0.49	0.44	0.39	0.49	0.42	0.37	0.34
8	0.43	0.41	0.39	0.44	0.40	0.38	0.45	0.40	0.37	0.45	0.39	0.35	0.45	0.39	0.34	0.30
9	0.39	0.37	0.35	0.40	0.37	0.35	0.41	0.36	0.33	0.42	0.36	0.32	0.42	0.35	0.30	0.27
10	0.35	0.33	0.32	0.36	0.33	0.31	0.38	0.33	0.30	0.38	0.33	0.29	0.39	0.32	0.28	0.25

