

Luminaire Property

Luminaire:

Report NO.: 24W*3
Test NO.:
Lamp:
Sum Lumens: 6293.51 lm
Number of Lamps: 1
Diameter: 200mm
Length: mm
Photometric Type: Type C

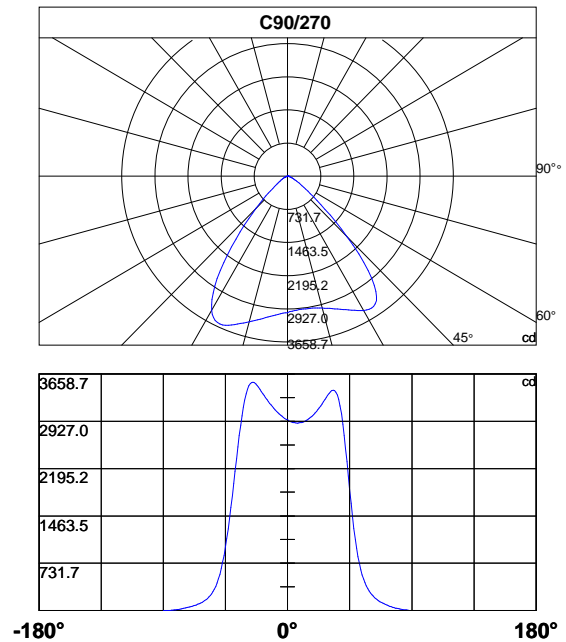
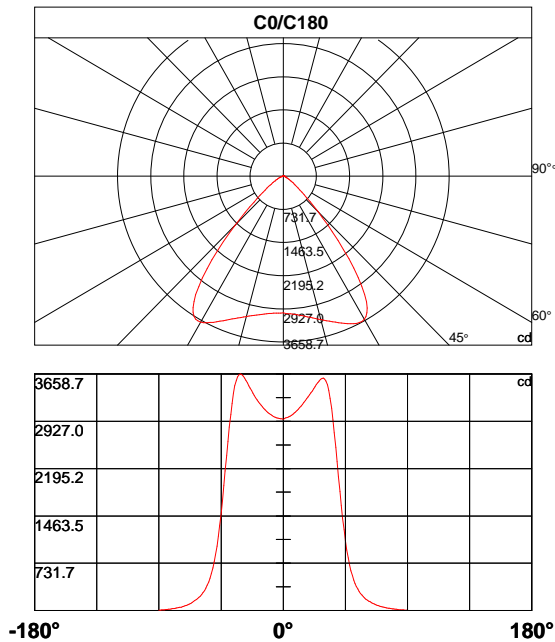
Voltage: 221.0 V
Current: 0.491 A
Power: 73.0 W
Power Factor: 0.672
Ballast Type:
Width: 200mm
Height: mm
Remark:

Photometric Results

Lumens: 6293.51 lm
Efficiency: 79.0642 lm/W
Central Intensity: 2958.75cd
Maximum Intensity: 3658.705cd

Angle of maximum intensity: C:135.0 G:31.0
Half Peak Side Angle(50%): Left: -72.1 Right:12.5
Light Out Rate(LOR) : 100.00%
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%

Beam Angle(10%): Left: -84.1 Right:24.6



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	2958.7	2972.6	2978.6	2986.4	2996.2	3007.7	3021.2	3036.8	3053.2	3072.2
45.0	2958.7	2934.4	2923.5	2916.9	2909.0	2904.5	2901.0	2899.9	2901.2	2904.3
90.0	2958.7	2934.4	2923.5	2916.9	2909.0	2904.5	2901.0	2899.9	2901.2	2904.3
135.0	2958.7	2967.1	2967.0	2970.2	2975.3	2982.3	2991.8	3001.7	3014.9	3029.0
180.0	2958.7	2967.1	2967.0	2970.2	2975.3	2982.3	2991.8	3001.7	3014.9	3029.0
225.0	2958.7	2958.0	2971.8	2986.5	3004.6	3022.0	3041.0	3062.2	3083.1	3106.2
270.0	2958.7	2958.0	2971.8	2986.5	3004.6	3022.0	3041.0	3062.2	3083.1	3106.2
315.0	2958.7	2972.6	2978.6	2986.4	2996.2	3007.7	3021.2	3036.8	3053.2	3072.2
360.0	2958.7	2972.6	2978.6	2986.4	2996.2	3007.7	3021.2	3036.8	3053.2	3072.2

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	3092.6	3115.3	3138.7	3163.5	3189.9	3217.8	3247.1	3275.8	3304.9	3336.1
45.0	2908.6	2913.6	2922.9	2933.8	2946.4	2960.6	2976.5	2994.9	3013.5	3034.0
90.0	2908.6	2913.6	2922.9	2933.8	2946.4	2960.6	2976.5	2994.9	3013.5	3034.0
135.0	3045.7	3062.7	3082.5	3102.7	3125.0	3149.2	3174.6	3202.1	3230.8	3260.5
180.0	3045.7	3062.7	3082.5	3102.7	3125.0	3149.2	3174.6	3202.1	3230.8	3260.5
225.0	3129.4	3155.6	3180.0	3207.2	3234.5	3263.0	3293.7	3326.0	3356.1	3388.6
270.0	3129.4	3155.6	3180.0	3207.2	3234.5	3263.0	3293.7	3326.0	3356.1	3388.6
315.0	3092.6	3115.3	3138.7	3163.5	3189.9	3217.8	3247.1	3275.8	3304.9	3336.1
360.0	3092.6	3115.3	3138.7	3163.5	3189.9	3217.8	3247.1	3275.8	3304.9	3336.1

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	3366.5	3399.3	3430.9	3462.3	3495.5	3525.7	3553.6	3576.7	3592.0	3595.5
45.0	3057.9	3081.3	3108.7	3135.8	3165.9	3196.3	3228.7	3261.3	3293.3	3326.2
90.0	3057.9	3081.3	3108.7	3135.8	3165.9	3196.3	3228.7	3261.3	3293.3	3326.2
135.0	3292.7	3325.6	3361.7	3400.1	3440.0	3478.4	3520.7	3560.2	3596.7	3627.5
180.0	3292.7	3325.6	3361.7	3400.1	3440.0	3478.4	3520.7	3560.2	3596.7	3627.5
225.0	3421.4	3455.7	3482.9	3507.3	3524.4	3533.5	3528.6	3511.2	3474.0	3422.2
270.0	3421.4	3455.7	3482.9	3507.3	3524.4	3533.5	3528.6	3511.2	3474.0	3422.2
315.0	3366.5	3399.3	3430.9	3462.3	3495.5	3525.7	3553.6	3576.7	3592.0	3595.5
360.0	3366.5	3399.3	3430.9	3462.3	3495.5	3525.7	3553.6	3576.7	3592.0	3595.5

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	3582.5	3549.0	3491.0	3400.7	3284.5	3131.4	2948.3	2749.4	2527.4	2303.7
45.0	3357.0	3382.2	3402.4	3409.2	3403.0	3378.2	3333.2	3261.7	3162.2	3039.3
90.0	3357.0	3382.2	3402.4	3409.2	3403.0	3378.2	3333.2	3261.7	3162.2	3039.3
135.0	3650.0	3658.7	3649.6	3617.8	3558.1	3474.5	3356.3	3206.4	3031.5	2840.1
180.0	3650.0	3658.7	3649.6	3617.8	3558.1	3474.5	3356.3	3206.4	3031.5	2840.1
225.0	3350.8	3255.3	3146.7	3011.9	2867.9	2708.1	2528.6	2345.0	2154.0	1968.5
270.0	3350.8	3255.3	3146.7	3011.9	2867.9	2708.1	2528.6	2345.0	2154.0	1968.5
315.0	3582.5	3549.0	3491.0	3400.7	3284.5	3131.4	2948.3	2749.4	2527.4	2303.7
360.0	3582.5	3549.0	3491.0	3400.7	3284.5	3131.4	2948.3	2749.4	2527.4	2303.7

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	2075.7	1845.0	1624.9	1427.1	1247.0	1080.1	933.9	811.4	702.6	613.6
45.0	2883.8	2708.9	2509.4	2304.1	2081.3	1867.8	1659.4	1456.4	1269.0	1097.6
90.0	2883.8	2708.9	2509.4	2304.1	2081.3	1867.8	1659.4	1456.4	1269.0	1097.6
135.0	2617.0	2396.9	2158.7	1931.6	1704.6	1504.5	1316.8	1146.8	996.4	863.0
180.0	2617.0	2396.9	2158.7	1931.6	1704.6	1504.5	1316.8	1146.8	996.4	863.0
225.0	1776.7	1593.3	1427.0	1261.0	1113.9	979.5	853.9	745.5	647.0	559.7
270.0	1776.7	1593.3	1427.0	1261.0	1113.9	979.5	853.9	745.5	647.0	559.7
315.0	2075.7	1845.0	1624.9	1427.1	1247.0	1080.1	933.9	811.4	702.6	613.6
360.0	2075.7	1845.0	1624.9	1427.1	1247.0	1080.1	933.9	811.4	702.6	613.6

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	538.2	471.3	416.6	368.8	329.2	293.1	262.1	235.8	212.5	192.3
45.0	960.5	831.8	721.1	629.9	551.4	486.8	430.2	380.2	338.3	301.7
90.0	960.5	831.8	721.1	629.9	551.4	486.8	430.2	380.2	338.3	301.7
135.0	750.7	657.2	571.2	501.0	440.1	391.1	347.2	309.4	277.4	249.3
180.0	750.7	657.2	571.2	501.0	440.1	391.1	347.2	309.4	277.4	249.3
225.0	490.0	425.8	373.2	327.8	290.8	258.6	231.5	206.5	185.4	166.4
270.0	490.0	425.8	373.2	327.8	290.8	258.6	231.5	206.5	185.4	166.4
315.0	538.2	471.3	416.6	368.8	329.2	293.1	262.1	235.8	212.5	192.3
360.0	538.2	471.3	416.6	368.8	329.2	293.1	262.1	235.8	212.5	192.3

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	174.3	158.2	144.0	131.1	119.2	108.2	97.5	88.4	79.3	71.4
45.0	272.6	243.3	220.8	199.7	180.7	163.4	148.1	135.1	122.1	112.6
90.0	272.6	243.3	220.8	199.7	180.7	163.4	148.1	135.1	122.1	112.6
135.0	224.9	202.8	183.4	166.5	151.0	136.9	123.5	111.1	99.8	89.6
180.0	224.9	202.8	183.4	166.5	151.0	136.9	123.5	111.1	99.8	89.6
225.0	151.2	136.7	125.2	113.4	104.3	95.6	86.1	79.3	71.9	65.0
270.0	151.2	136.7	125.2	113.4	104.3	95.6	86.1	79.3	71.9	65.0
315.0	174.3	158.2	144.0	131.1	119.2	108.2	97.5	88.4	79.3	71.4
360.0	174.3	158.2	144.0	131.1	119.2	108.2	97.5	88.4	79.3	71.4

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	64.2	57.4	52.0	46.9	42.5	38.8	35.5	32.2	29.1	26.2
45.0	102.2	91.3	82.6	73.1	65.7	57.6	49.6	43.2	37.4	31.4
90.0	102.2	91.3	82.6	73.1	65.7	57.6	49.6	43.2	37.4	31.4
135.0	80.4	71.4	63.6	57.0	51.0	45.9	41.7	38.2	34.7	31.0
180.0	80.4	71.4	63.6	57.0	51.0	45.9	41.7	38.2	34.7	31.0
225.0	58.2	53.1	48.3	43.2	38.0	33.3	29.5	24.2	20.5	16.7
270.0	58.2	53.1	48.3	43.2	38.0	33.3	29.5	24.2	20.5	16.7
315.0	64.2	57.4	52.0	46.9	42.5	38.8	35.5	32.2	29.1	26.2
360.0	64.2	57.4	52.0	46.9	42.5	38.8	35.5	32.2	29.1	26.2

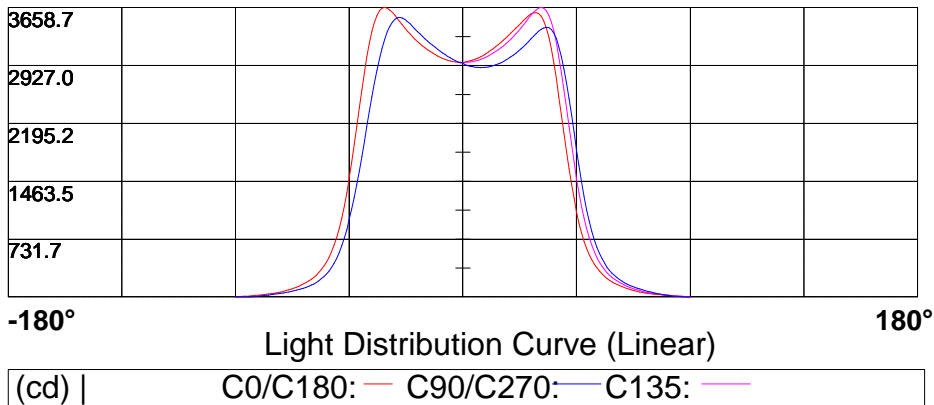
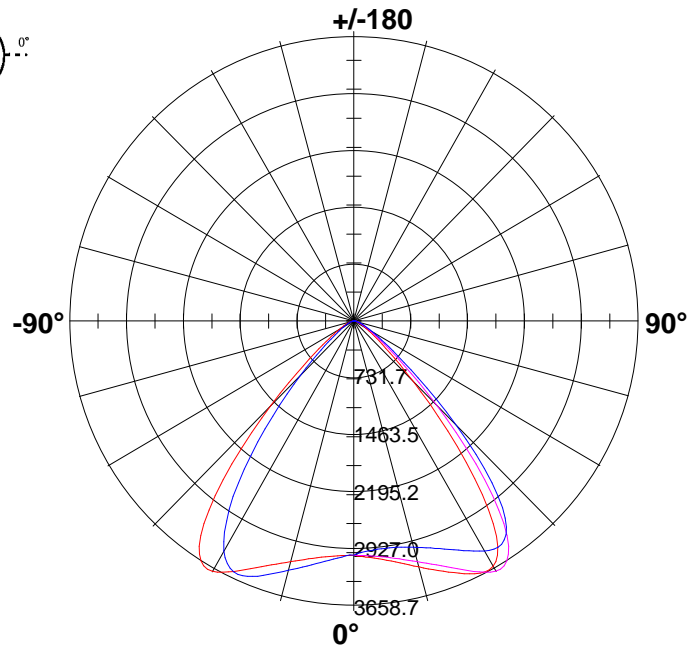
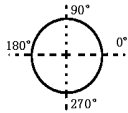
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	23.3	20.5	17.6	15.1	12.6	10.5	8.3	6.6	5.6	3.5
45.0	27.9	21.5	17.1	12.8	11.0	9.2	7.4	3.5	1.8	0.2
90.0	27.9	21.5	17.1	12.8	11.0	9.2	7.4	3.5	1.8	0.2
135.0	27.5	24.4	20.5	18.0	15.3	12.8	10.1	8.1	6.6	4.5
180.0	27.5	24.4	20.5	18.0	15.3	12.8	10.1	8.1	6.6	4.5
225.0	13.2	10.1	7.2	5.8	4.3	1.6	0.4	0.4	0.0	0.0
270.0	13.2	10.1	7.2	5.8	4.3	1.6	0.4	0.4	0.0	0.0
315.0	23.3	20.5	17.6	15.1	12.6	10.5	8.3	6.6	5.6	3.5
360.0	23.3	20.5	17.6	15.1	12.6	10.5	8.3	6.6	5.6	3.5

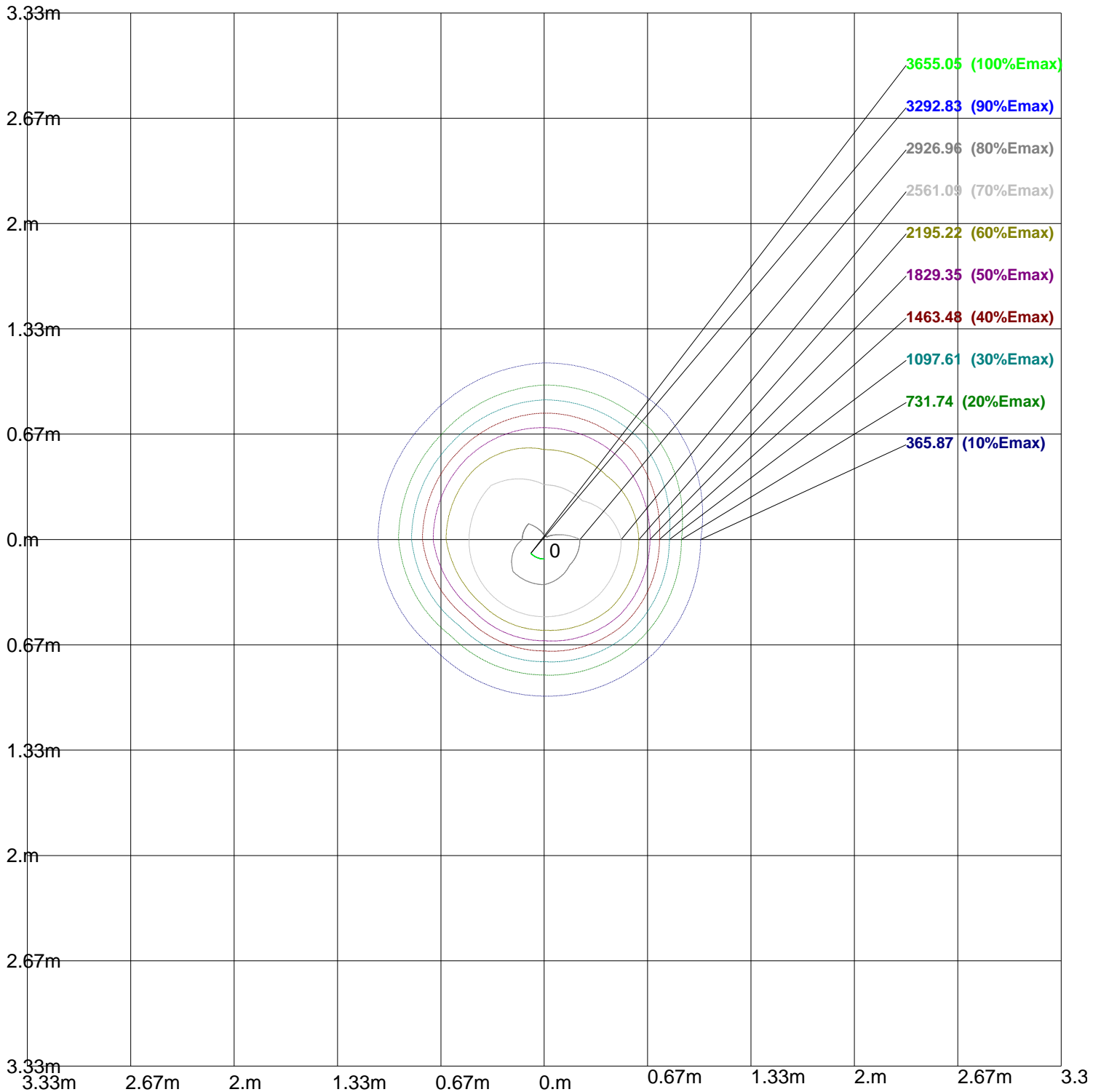
C\G	90.0
0.0	2.7
45.0	0.0
90.0	0.0
135.0	2.9
180.0	2.9
225.0	0.0
270.0	0.0
315.0	2.7
360.0	2.7

Light Distribution Curve [Unit: cd]

Luminaire



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 3658.71lx

Luminance Limiting Curve

Diameter: 200mm

Length: mm

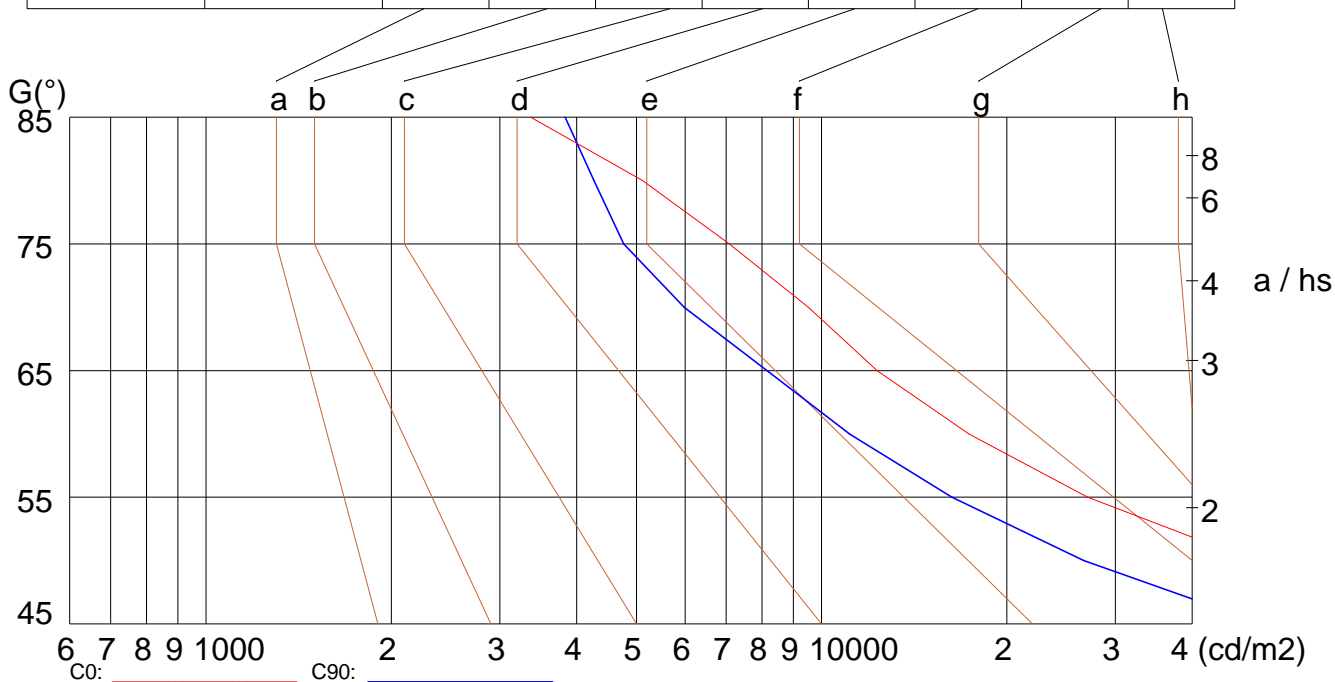
Width: 200mm

Height: mm

(cd/m²)

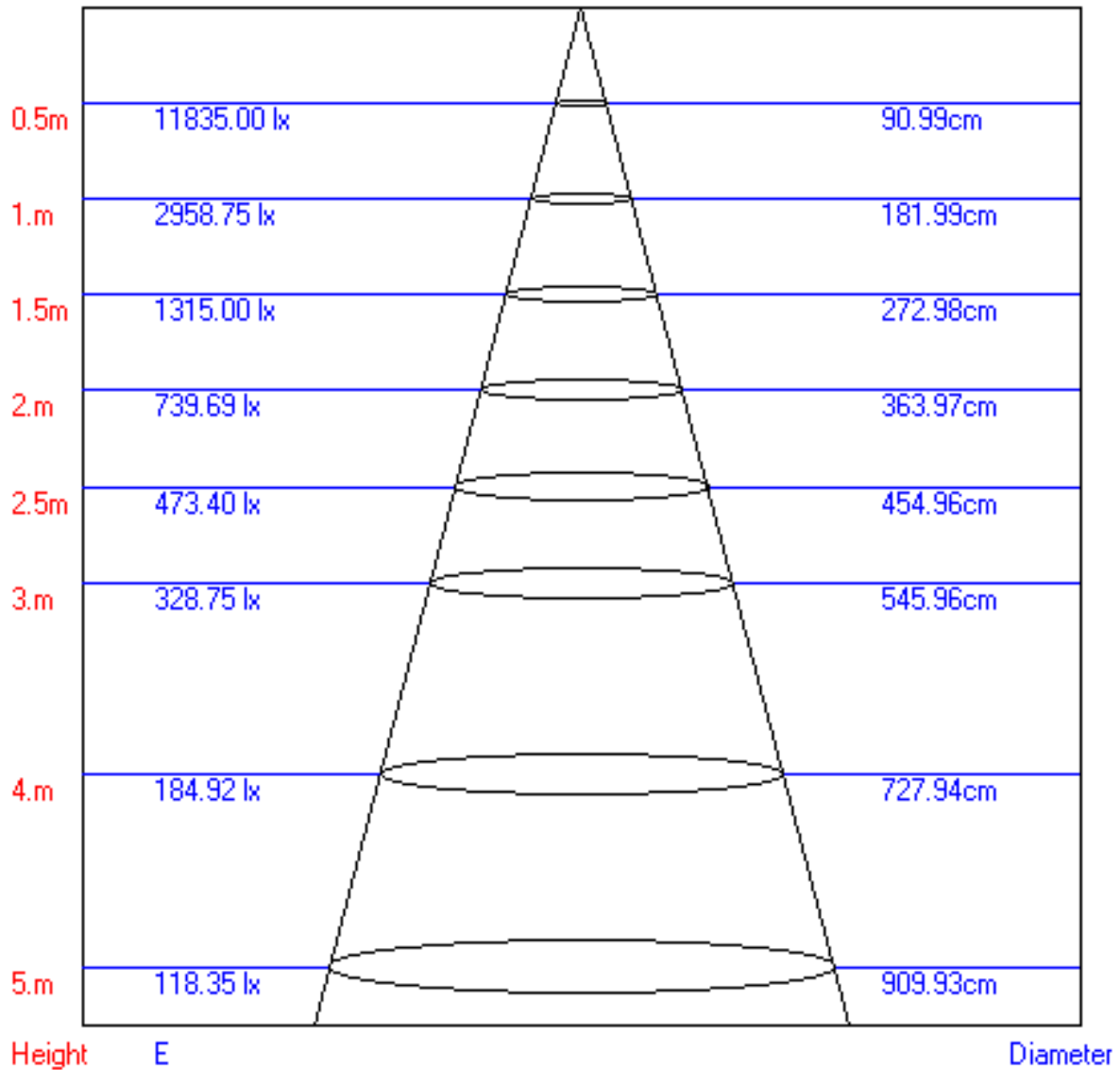
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	84125	47587	27030	17363	12316	9513	7085	5120	3364
C90	48647	26665	16276	11102	8153	5977	4772	4265	3829

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:84.60°

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	1.05	1.04	1.03	1.00	0.99	0.97	0.93	0.92	0.90	0.85
2	1.00	0.99	0.98	0.99	0.97	0.96	0.96	0.94	0.91	0.92	0.89	0.87	0.86	0.83	0.81	0.76
3	0.91	0.89	0.87	0.90	0.87	0.85	0.87	0.84	0.82	0.84	0.80	0.77	0.80	0.76	0.73	0.68
4	0.82	0.80	0.78	0.81	0.78	0.77	0.80	0.76	0.73	0.77	0.73	0.69	0.74	0.69	0.65	0.61
5	0.74	0.72	0.70	0.74	0.71	0.69	0.73	0.69	0.66	0.71	0.66	0.63	0.68	0.63	0.59	0.55
6	0.67	0.65	0.64	0.67	0.64	0.62	0.66	0.62	0.59	0.65	0.60	0.56	0.63	0.58	0.53	0.50
7	0.61	0.59	0.58	0.61	0.58	0.56	0.61	0.57	0.54	0.60	0.55	0.51	0.58	0.53	0.48	0.45
8	0.56	0.54	0.52	0.56	0.53	0.51	0.56	0.52	0.49	0.55	0.50	0.47	0.54	0.48	0.44	0.41
9	0.51	0.49	0.48	0.51	0.48	0.47	0.51	0.47	0.45	0.51	0.46	0.43	0.51	0.45	0.40	0.37
10	0.47	0.45	0.44	0.47	0.44	0.43	0.48	0.44	0.41	0.48	0.43	0.39	0.47	0.41	0.37	0.34

