

## Luminaire Property

Luminaire: RH-RUS14 7w+7w

Report NO.:

Test NO.:

Lamp:

Sum Lumens: 598.34 lm

Number of Lamps: 1

Diameter: 120mm

Length: mm

Photometric Type: Type C

Voltage: 219.8 V

Current: 0.102 A

Power: 12.3 W

Power Factor: 0.549

Ballast Type:

Width: 120mm

Height: 40mm

Remark:

## Photometric Results

Lumens: 598.34 lm

Efficiency: 48.6455 lm/W

Central Intensity: 503.051cd

Maximum Intensity: 506.982cd

Beam Angle(10%): Left: -53.4 Right:54.9

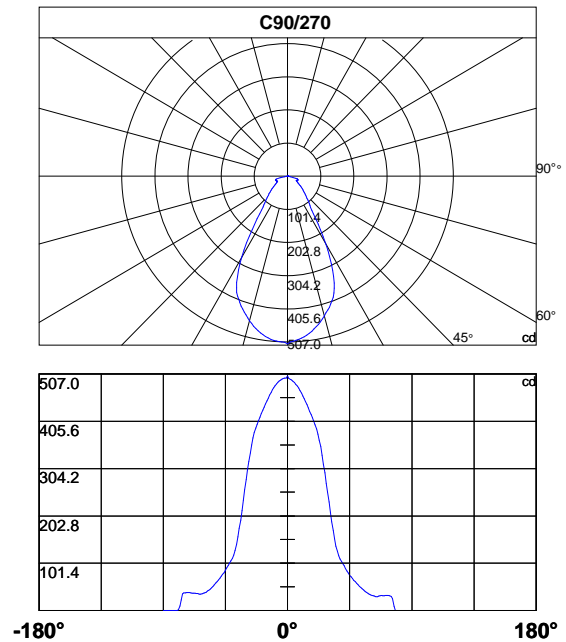
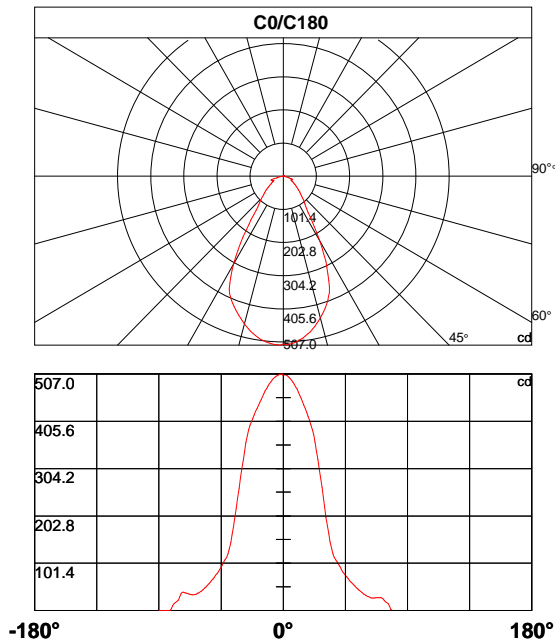
Angle of maximum intensity: C:135.0 G:1.0

Half Peak Side Angle(50%): Left: -29.5 Right:31.4

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%



### 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	503.1	505.9	505.0	502.9	500.2	497.8	493.6	489.7	485.1	479.4
45.0	503.1	497.4	495.8	493.8	491.5	488.3	484.5	480.9	476.5	471.2
90.0	503.1	497.4	495.8	493.8	491.5	488.3	484.5	480.9	476.5	471.2
135.0	503.1	507.0	506.5	506.0	504.2	502.6	500.1	497.1	494.2	490.1
180.0	503.1	507.0	506.5	506.0	504.2	502.6	500.1	497.1	494.2	490.1
225.0	503.1	498.3	498.1	497.5	496.1	494.4	492.5	489.2	485.7	481.6
270.0	503.1	498.3	498.1	497.5	496.1	494.4	492.5	489.2	485.7	481.6
315.0	503.1	505.9	505.0	502.9	500.2	497.8	493.6	489.7	485.1	479.4
360.0	503.1	505.9	505.0	502.9	500.2	497.8	493.6	489.7	485.1	479.4

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	474.8	468.0	461.7	454.7	447.4	439.7	432.5	424.8	416.2	407.5
45.0	465.7	460.1	454.6	448.1	441.2	434.6	426.9	420.1	413.6	405.7
90.0	465.7	460.1	454.6	448.1	441.2	434.6	426.9	420.1	413.6	405.7
135.0	486.1	481.0	475.8	470.7	464.7	458.8	452.3	445.5	439.3	433.1
180.0	486.1	481.0	475.8	470.7	464.7	458.8	452.3	445.5	439.3	433.1
225.0	477.4	473.1	467.6	462.0	455.2	449.3	442.4	435.4	429.4	421.6
270.0	477.4	473.1	467.6	462.0	455.2	449.3	442.4	435.4	429.4	421.6
315.0	474.8	468.0	461.7	454.7	447.4	439.7	432.5	424.8	416.2	407.5
360.0	474.8	468.0	461.7	454.7	447.4	439.7	432.5	424.8	416.2	407.5

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	397.9	387.2	376.6	361.1	342.8	323.8	304.3	286.3	263.9	242.9
45.0	397.8	388.7	378.3	365.1	351.2	332.8	313.9	294.9	272.5	254.0
90.0	397.8	388.7	378.3	365.1	351.2	332.8	313.9	294.9	272.5	254.0
135.0	426.5	419.4	412.7	405.4	397.1	388.4	375.9	359.9	341.0	322.2
180.0	426.5	419.4	412.7	405.4	397.1	388.4	375.9	359.9	341.0	322.2
225.0	414.6	406.6	398.7	391.4	381.7	369.7	354.9	337.3	318.9	301.7
270.0	414.6	406.6	398.7	391.4	381.7	369.7	354.9	337.3	318.9	301.7
315.0	397.9	387.2	376.6	361.1	342.8	323.8	304.3	286.3	263.9	242.9
360.0	397.9	387.2	376.6	361.1	342.8	323.8	304.3	286.3	263.9	242.9

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	221.5	199.7	180.3	165.0	147.0	132.5	121.7	114.0	108.3	104.2
45.0	232.6	210.8	190.0	171.5	153.7	137.9	127.0	117.5	110.6	105.1
90.0	232.6	210.8	190.0	171.5	153.7	137.9	127.0	117.5	110.6	105.1
135.0	302.7	283.8	262.2	241.0	219.5	197.5	178.2	163.1	145.4	131.9
180.0	302.7	283.8	262.2	241.0	219.5	197.5	178.2	163.1	145.4	131.9
225.0	280.9	258.8	236.0	213.9	193.2	176.5	158.2	142.1	128.6	118.6
270.0	280.9	258.8	236.0	213.9	193.2	176.5	158.2	142.1	128.6	118.6
315.0	221.5	199.7	180.3	165.0	147.0	132.5	121.7	114.0	108.3	104.2
360.0	221.5	199.7	180.3	165.0	147.0	132.5	121.7	114.0	108.3	104.2

### 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	99.3	94.2	88.6	83.2	79.2	75.3	71.7	67.8	64.0	61.0
45.0	100.3	95.7	89.8	84.6	80.1	75.8	71.9	68.7	64.7	61.8
90.0	100.3	95.7	89.8	84.6	80.1	75.8	71.9	68.7	64.7	61.8
135.0	121.7	113.8	108.9	104.0	98.3	93.2	87.9	83.0	79.0	75.0
180.0	121.7	113.8	108.9	104.0	98.3	93.2	87.9	83.0	79.0	75.0
225.0	112.1	106.2	101.7	96.7	91.0	86.2	81.2	77.7	73.2	69.0
270.0	112.1	106.2	101.7	96.7	91.0	86.2	81.2	77.7	73.2	69.0
315.0	99.3	94.2	88.6	83.2	79.2	75.3	71.7	67.8	64.0	61.0
360.0	99.3	94.2	88.6	83.2	79.2	75.3	71.7	67.8	64.0	61.0

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	57.7	55.0	51.9	48.5	45.8	43.0	40.8	38.3	35.6	34.1
45.0	57.9	55.3	51.7	49.4	46.5	44.1	41.2	38.8	37.0	34.7
90.0	57.9	55.3	51.7	49.4	46.5	44.1	41.2	38.8	37.0	34.7
135.0	70.8	67.0	63.6	59.8	57.1	53.8	50.3	47.8	44.7	41.9
180.0	70.8	67.0	63.6	59.8	57.1	53.8	50.3	47.8	44.7	41.9
225.0	65.4	61.3	58.8	55.2	51.8	48.9	45.8	43.4	41.6	39.5
270.0	65.4	61.3	58.8	55.2	51.8	48.9	45.8	43.4	41.6	39.5
315.0	57.7	55.0	51.9	48.5	45.8	43.0	40.8	38.3	35.6	34.1
360.0	57.7	55.0	51.9	48.5	45.8	43.0	40.8	38.3	35.6	34.1

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	32.0	30.4	29.3	27.5	26.9	26.8	26.7	27.0	27.0	27.6
45.0	33.6	32.2	31.3	30.4	29.5	29.6	30.6	31.6	32.0	31.7
90.0	33.6	32.2	31.3	30.4	29.5	29.6	30.6	31.6	32.0	31.7
135.0	40.1	37.8	36.9	35.1	34.3	33.5	33.4	34.0	35.1	36.5
180.0	40.1	37.8	36.9	35.1	34.3	33.5	33.4	34.0	35.1	36.5
225.0	37.9	36.9	35.8	35.0	35.2	36.2	36.6	37.1	36.8	37.1
270.0	37.9	36.9	35.8	35.0	35.2	36.2	36.6	37.1	36.8	37.1
315.0	32.0	30.4	29.3	27.5	26.9	26.8	26.7	27.0	27.0	27.6
360.0	32.0	30.4	29.3	27.5	26.9	26.8	26.7	27.0	27.0	27.6

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	27.6	27.6	25.6	22.1	18.6	17.0	14.1	8.8	2.2	0.0
45.0	31.7	32.0	32.3	32.4	31.6	30.2	25.5	8.7	0.0	0.0
90.0	31.7	32.0	32.3	32.4	31.6	30.2	25.5	8.7	0.0	0.0
135.0	36.9	38.0	38.9	39.0	36.9	28.6	22.3	19.1	16.9	14.9
180.0	36.9	38.0	38.9	39.0	36.9	28.6	22.3	19.1	16.9	14.9
225.0	38.1	38.4	38.6	38.2	37.8	37.3	35.8	22.9	9.5	0.9
270.0	38.1	38.4	38.6	38.2	37.8	37.3	35.8	22.9	9.5	0.9
315.0	27.6	27.6	25.6	22.1	18.6	17.0	14.1	8.8	2.2	0.0
360.0	27.6	27.6	25.6	22.1	18.6	17.0	14.1	8.8	2.2	0.0

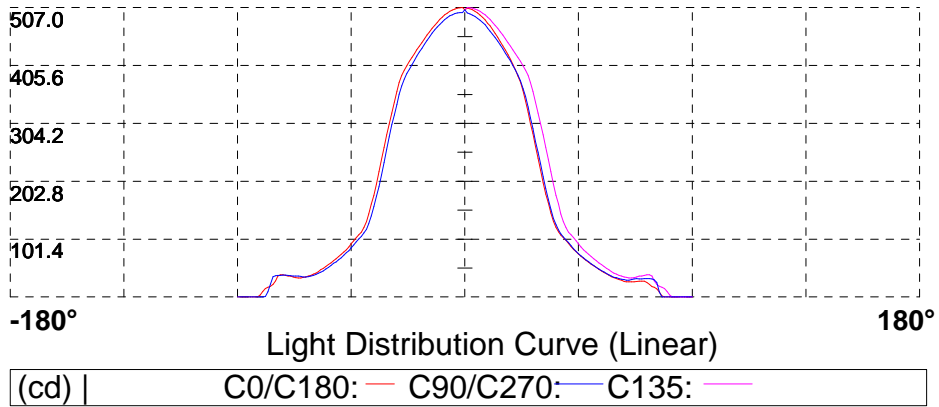
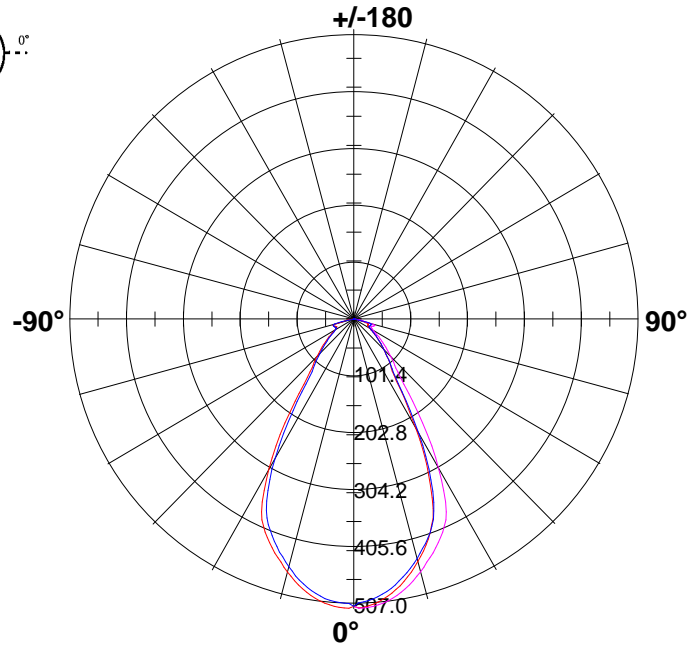
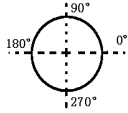
### Photometric Data Table [cd]

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	10.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	10.2	3.6	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

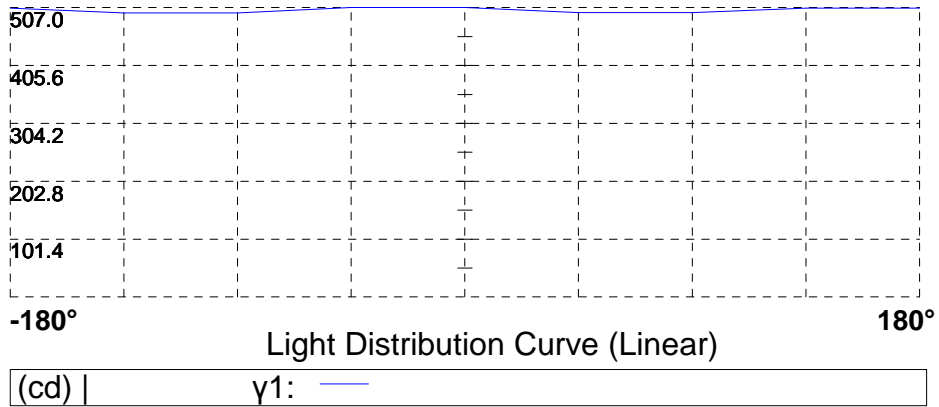
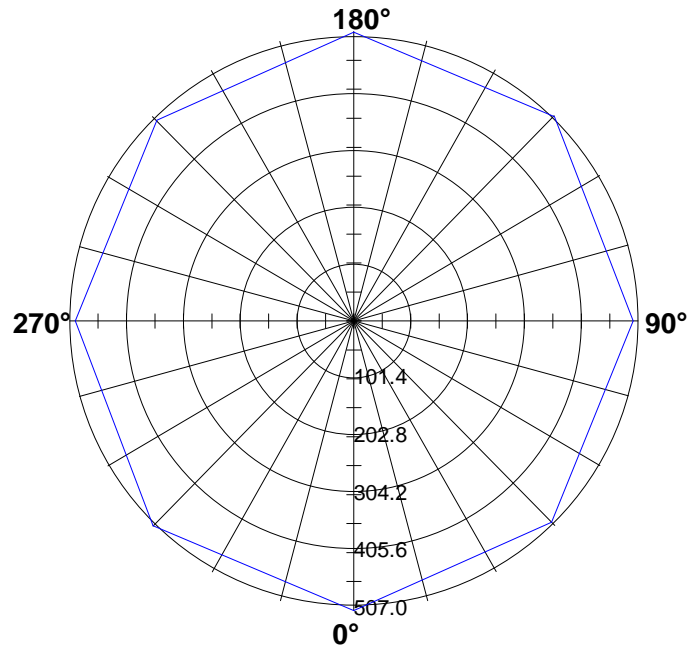
C\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0
135.0	0.0
180.0	0.0
225.0	0.0
270.0	0.0
315.0	0.0
360.0	0.0

Light Distribution Curve [Unit: cd]

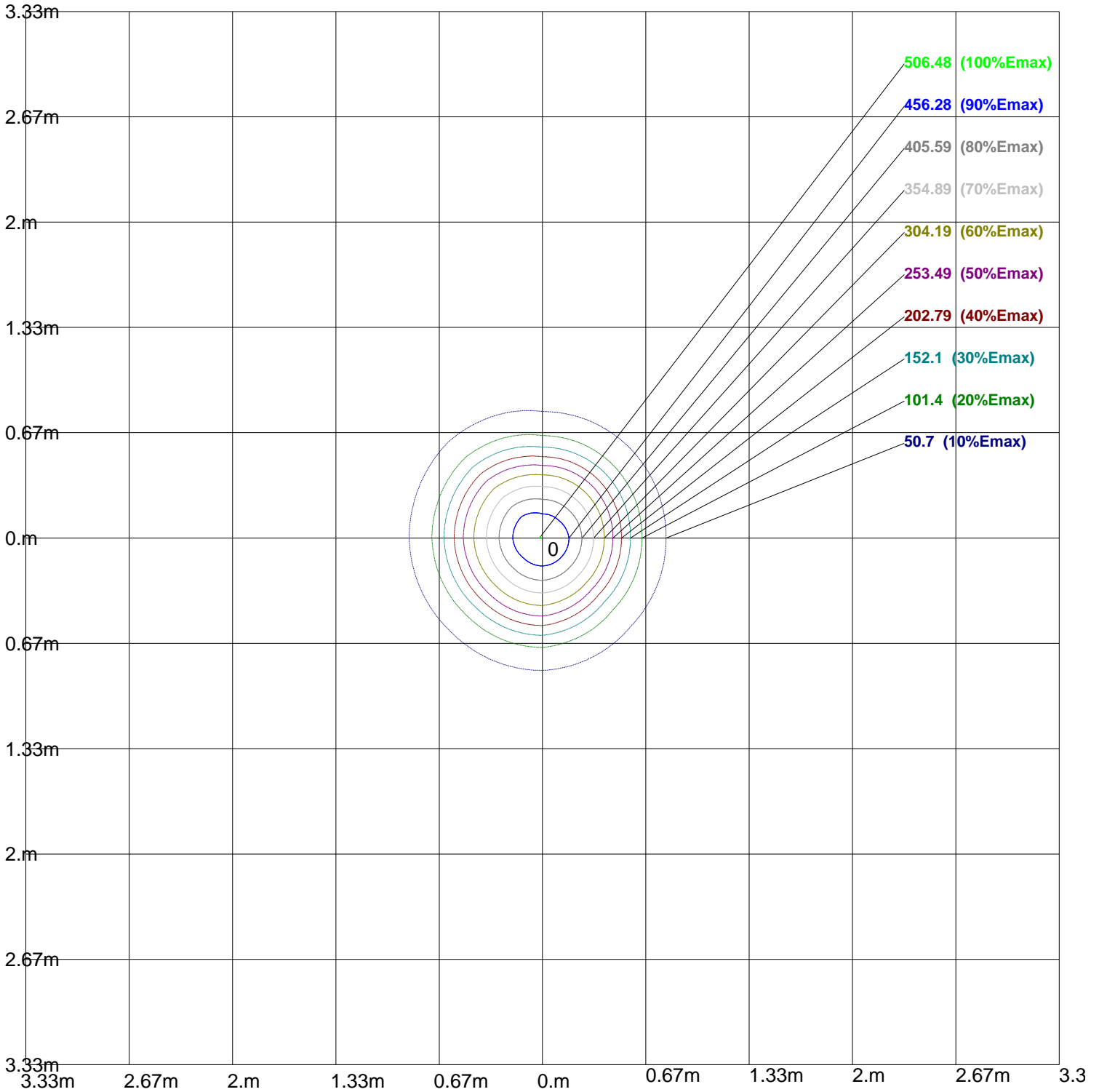
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



### Iso-Lux[lx]



Height: 1 m  
Max Illuminance : 506.98lx

## Luminance Limiting Curve

Diameter: 120mm

Length: mm

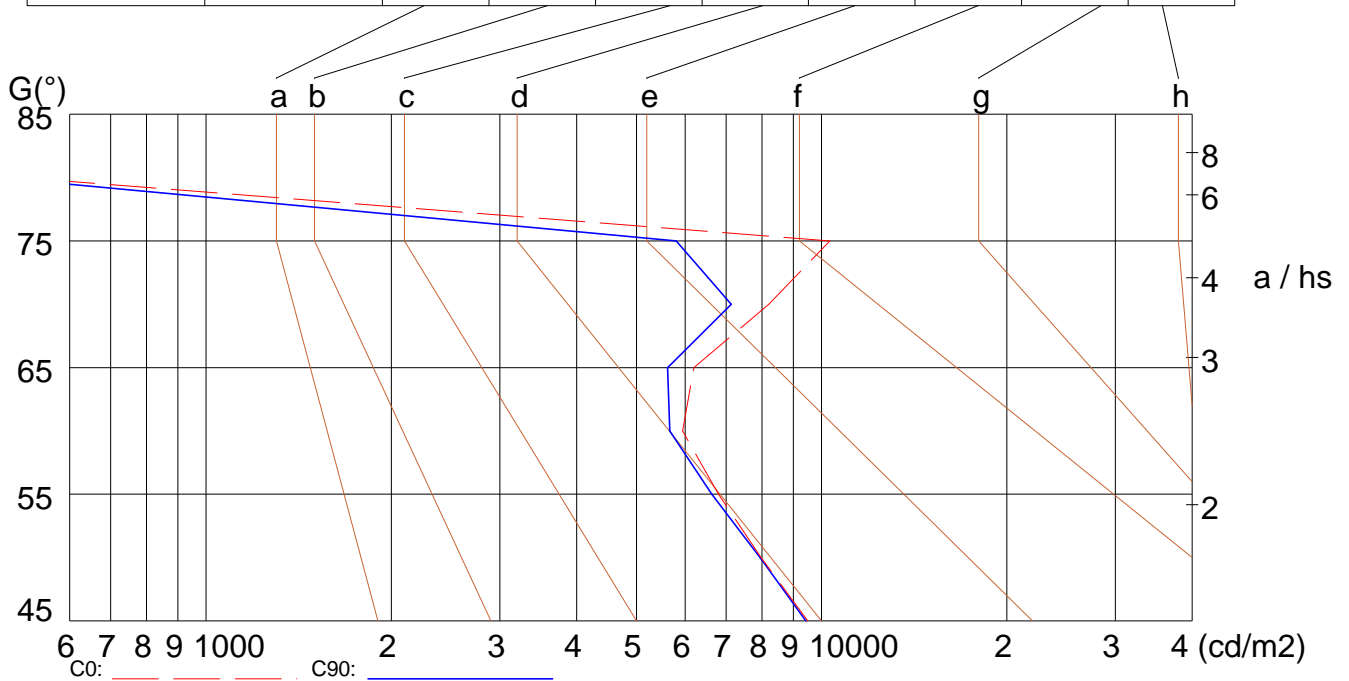
Width: 120mm

Height: 40mm

(cd/m<sup>2</sup>)

$\gamma$	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	9488	7974	6799	5945	6198	8201	10313		
C90	9424	7939	6633	5664	5620	7130	5803		

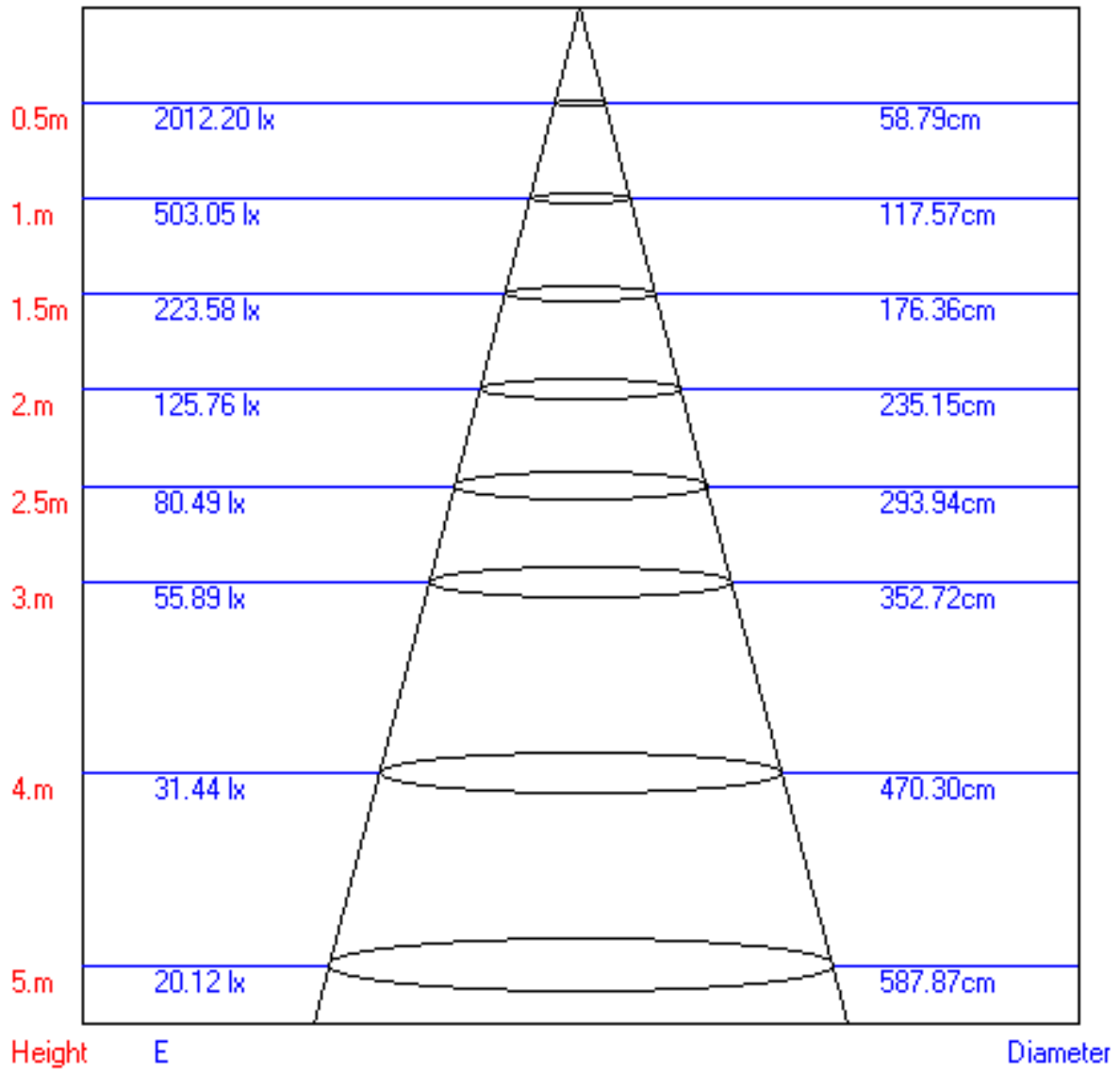
Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	≤300				
1.5	B		2000	1000	500	≤300			
1.85	C			2000	1000	500	≤300		
2.2	D				2000	1000	500	≤300	
2.55	E					2000	1000	500	≤300



Lum. Limiting Curve (C0/C90)



### Lux-Distance Curve



Beam Angle:60.90°

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	1.10	1.09	1.08	1.09	1.07	1.06	1.05	1.03	1.02	0.99	0.98	0.96	0.93	0.91	0.89	0.84
2	0.99	0.97	0.96	0.98	0.96	0.94	0.95	0.92	0.90	0.91	0.88	0.85	0.85	0.82	0.80	0.75
3	0.90	0.88	0.86	0.89	0.86	0.84	0.86	0.83	0.81	0.83	0.80	0.77	0.79	0.75	0.72	0.67
4	0.81	0.79	0.78	0.81	0.78	0.76	0.79	0.76	0.73	0.77	0.73	0.69	0.73	0.69	0.65	0.61
5	0.75	0.72	0.71	0.74	0.71	0.70	0.73	0.69	0.66	0.71	0.67	0.63	0.69	0.64	0.59	0.56
6	0.69	0.66	0.65	0.68	0.66	0.64	0.68	0.64	0.61	0.66	0.61	0.58	0.64	0.59	0.55	0.51
7	0.63	0.61	0.60	0.63	0.61	0.59	0.63	0.59	0.56	0.62	0.57	0.53	0.60	0.55	0.51	0.47
8	0.59	0.57	0.56	0.59	0.56	0.54	0.59	0.55	0.52	0.58	0.53	0.50	0.57	0.51	0.47	0.44
9	0.55	0.53	0.52	0.55	0.52	0.51	0.55	0.51	0.48	0.54	0.50	0.46	0.53	0.48	0.44	0.41
10	0.51	0.50	0.48	0.52	0.49	0.47	0.52	0.48	0.45	0.51	0.46	0.43	0.50	0.45	0.41	0.38

