

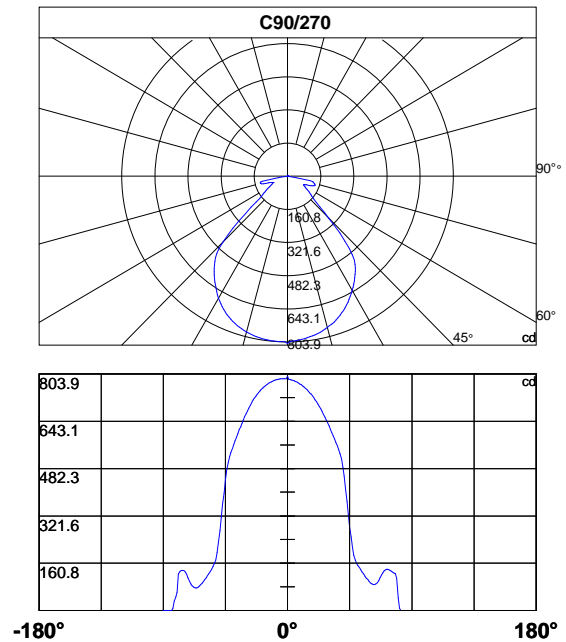
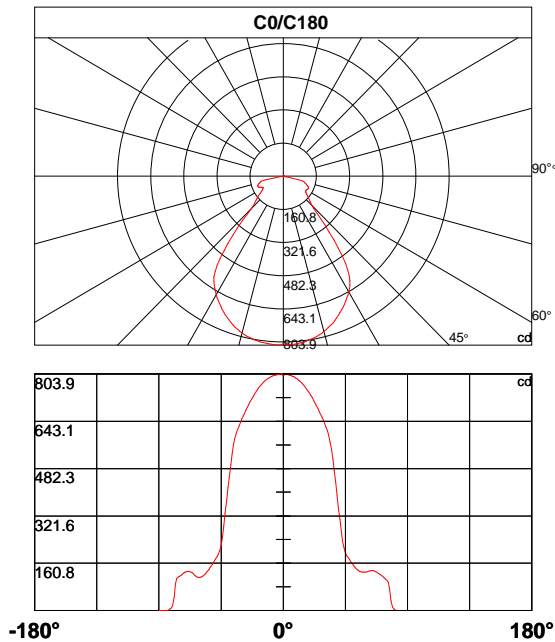
Luminaire Property

Luminaire: RH-SUS24 12W+12W

Report NO.:	Voltage: 219.6 V
Test NO.:	Current: 0.172 A
Lamp:	Power: 22.1 W
Sum Lumens: 1542.32 lm	Power Factor: 0.582
Number of Lamps: 1	Ballast Type:
Diameter: mm	Width: 180mm
Length: 180mm	Height: 40mm
Photometric Type: Type C	Remark:

Photometric Results

Lumens: 1542.32 lm	Angle of maximum intensity: C:135.0 G:1.0
Efficiency: 69.7882 lm/W	Half Peak Side Angle(50%): Left: -39.7 Right:39.3
Central Intensity: 796.25cd	Light Out Rate(LOR) : 100.00%
Maximum Intensity: 803.85cd	Up Flux Rate: 0.0%
	Down Flux Rate: 100.0%
Beam Angle(10%): Left: -77.7 Right:77.2	



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	796.2	803.3	802.8	802.2	800.7	799.8	797.7	795.9	793.7	790.3
45.0	796.2	786.1	785.0	783.9	782.1	780.1	778.1	775.8	772.9	769.9
90.0	796.2	786.1	785.0	783.9	782.1	780.1	778.1	775.8	772.9	769.9
135.0	796.2	803.9	803.6	803.4	802.2	801.2	799.9	798.6	796.6	794.2
180.0	796.2	803.9	803.6	803.4	802.2	801.2	799.9	798.6	796.6	794.2
225.0	796.2	787.5	787.8	787.8	787.6	787.6	786.7	786.0	784.7	783.0
270.0	796.2	787.5	787.8	787.8	787.6	787.6	786.7	786.0	784.7	783.0
315.0	796.2	803.3	802.8	802.2	800.7	799.8	797.7	795.9	793.7	790.3
360.0	796.2	803.3	802.8	802.2	800.7	799.8	797.7	795.9	793.7	790.3

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	787.4	783.1	779.9	775.3	770.1	765.0	758.5	752.1	746.2	738.8
45.0	766.8	762.8	759.5	755.3	750.3	745.7	740.3	735.9	729.8	723.1
90.0	766.8	762.8	759.5	755.3	750.3	745.7	740.3	735.9	729.8	723.1
135.0	791.8	788.6	785.2	781.5	777.2	772.3	766.9	762.1	755.9	748.5
180.0	791.8	788.6	785.2	781.5	777.2	772.3	766.9	762.1	755.9	748.5
225.0	781.5	779.3	777.3	774.3	771.3	768.4	764.1	760.4	756.5	751.8
270.0	781.5	779.3	777.3	774.3	771.3	768.4	764.1	760.4	756.5	751.8
315.0	787.4	783.1	779.9	775.3	770.1	765.0	758.5	752.1	746.2	738.8
360.0	787.4	783.1	779.9	775.3	770.1	765.0	758.5	752.1	746.2	738.8

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	731.2	722.8	714.1	705.3	697.0	687.7	677.5	667.4	657.0	647.3
45.0	716.4	709.4	701.7	694.5	685.6	676.8	666.9	657.4	646.9	638.3
90.0	716.4	709.4	701.7	694.5	685.6	676.8	666.9	657.4	646.9	638.3
135.0	741.3	733.6	725.5	718.3	709.0	700.4	690.4	681.0	670.4	661.6
180.0	741.3	733.6	725.5	718.3	709.0	700.4	690.4	681.0	670.4	661.6
225.0	746.3	740.4	734.5	727.8	721.8	714.5	706.3	697.9	688.3	678.4
270.0	746.3	740.4	734.5	727.8	721.8	714.5	706.3	697.9	688.3	678.4
315.0	731.2	722.8	714.1	705.3	697.0	687.7	677.5	667.4	657.0	647.3
360.0	731.2	722.8	714.1	705.3	697.0	687.7	677.5	667.4	657.0	647.3

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	635.7	623.8	610.5	593.7	572.2	544.9	514.9	475.1	432.4	389.7
45.0	627.4	616.3	604.8	593.3	583.5	571.4	558.9	546.1	532.8	514.9
90.0	627.4	616.3	604.8	593.3	583.5	571.4	558.9	546.1	532.8	514.9
135.0	650.5	639.1	627.5	614.6	602.4	585.0	562.1	531.9	494.7	452.9
180.0	650.5	639.1	627.5	614.6	602.4	585.0	562.1	531.9	494.7	452.9
225.0	669.6	659.0	647.9	636.6	624.7	614.9	602.1	589.7	576.9	563.8
270.0	669.6	659.0	647.9	636.6	624.7	614.9	602.1	589.7	576.9	563.8
315.0	635.7	623.8	610.5	593.7	572.2	544.9	514.9	475.1	432.4	389.7
360.0	635.7	623.8	610.5	593.7	572.2	544.9	514.9	475.1	432.4	389.7

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	346.8	310.0	269.7	235.4	210.8	196.0	185.6	179.5	172.5	164.9
45.0	487.3	456.3	415.9	371.3	326.2	283.1	249.2	214.3	187.1	170.2
90.0	487.3	456.3	415.9	371.3	326.2	283.1	249.2	214.3	187.1	170.2
135.0	416.5	372.8	330.4	287.7	250.1	221.4	202.3	191.0	183.1	174.8
180.0	416.5	372.8	330.4	287.7	250.1	221.4	202.3	191.0	183.1	174.8
225.0	550.3	537.6	522.5	503.8	477.9	442.6	399.6	361.4	315.3	270.7
270.0	550.3	537.6	522.5	503.8	477.9	442.6	399.6	361.4	315.3	270.7
315.0	346.8	310.0	269.7	235.4	210.8	196.0	185.6	179.5	172.5	164.9
360.0	346.8	310.0	269.7	235.4	210.8	196.0	185.6	179.5	172.5	164.9

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	158.5	151.8	146.2	141.6	136.8	133.7	131.3	130.6	130.3	130.1
45.0	159.7	151.8	145.8	137.7	130.5	123.7	116.6	110.1	104.9	99.0
90.0	159.7	151.8	145.8	137.7	130.5	123.7	116.6	110.1	104.9	99.0
135.0	167.0	159.1	152.3	145.3	138.6	132.0	126.2	121.3	117.8	114.8
180.0	167.0	159.1	152.3	145.3	138.6	132.0	126.2	121.3	117.8	114.8
225.0	230.9	196.5	172.3	158.6	149.0	140.6	132.2	124.8	118.4	111.5
270.0	230.9	196.5	172.3	158.6	149.0	140.6	132.2	124.8	118.4	111.5
315.0	158.5	151.8	146.2	141.6	136.8	133.7	131.3	130.6	130.3	130.1
360.0	158.5	151.8	146.2	141.6	136.8	133.7	131.3	130.6	130.3	130.1

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	131.0	131.6	133.8	134.7	135.3	135.3	133.4	131.8	129.1	125.7
45.0	93.9	90.0	88.2	88.5	90.0	94.9	101.6	110.9	120.7	128.2
90.0	93.9	90.0	88.2	88.5	90.0	94.9	101.6	110.9	120.7	128.2
135.0	112.8	111.8	112.6	115.4	119.1	124.6	128.5	131.0	132.6	132.4
180.0	112.8	111.8	112.6	115.4	119.1	124.6	128.5	131.0	132.6	132.4
225.0	104.8	98.2	92.3	87.1	82.3	78.9	76.3	76.8	79.3	84.0
270.0	104.8	98.2	92.3	87.1	82.3	78.9	76.3	76.8	79.3	84.0
315.0	131.0	131.6	133.8	134.7	135.3	135.3	133.4	131.8	129.1	125.7
360.0	131.0	131.6	133.8	134.7	135.3	135.3	133.4	131.8	129.1	125.7

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	123.3	119.0	115.0	111.2	107.1	102.8	95.8	73.5	34.7	12.1
45.0	135.2	138.3	140.2	139.2	137.1	134.1	130.5	127.6	124.6	110.1
90.0	135.2	138.3	140.2	139.2	137.1	134.1	130.5	127.6	124.6	110.1
135.0	131.6	129.9	127.5	124.1	120.1	116.7	113.5	109.0	90.6	45.6
180.0	131.6	129.9	127.5	124.1	120.1	116.7	113.5	109.0	90.6	45.6
225.0	90.2	99.4	111.5	122.9	131.1	135.2	136.3	136.1	132.6	123.7
270.0	90.2	99.4	111.5	122.9	131.1	135.2	136.3	136.1	132.6	123.7
315.0	123.3	119.0	115.0	111.2	107.1	102.8	95.8	73.5	34.7	12.1
360.0	123.3	119.0	115.0	111.2	107.1	102.8	95.8	73.5	34.7	12.1

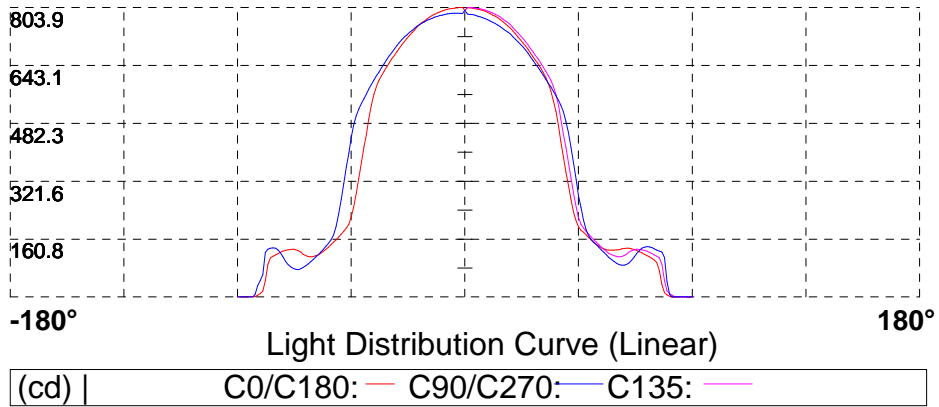
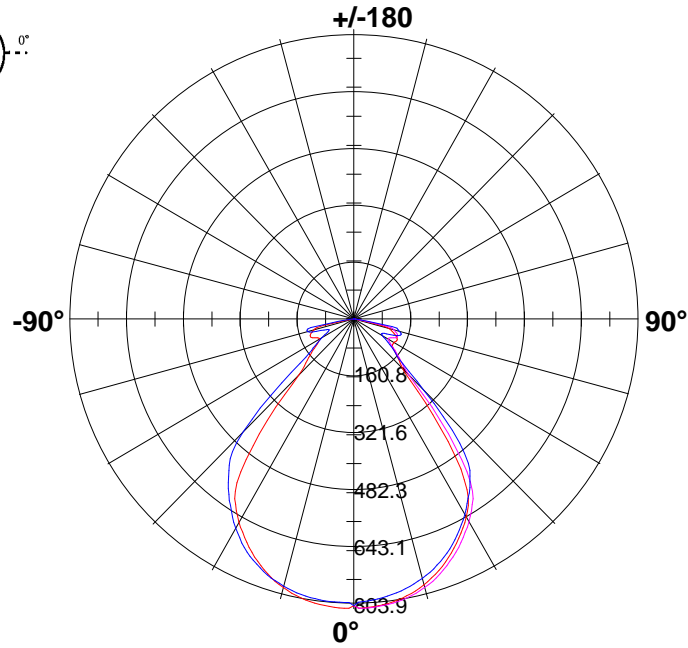
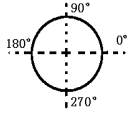
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	42.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	42.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	16.6	8.8	4.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0
180.0	16.6	8.8	4.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0
225.0	61.5	45.9	31.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0
270.0	61.5	45.9	31.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0
315.0	5.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	5.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

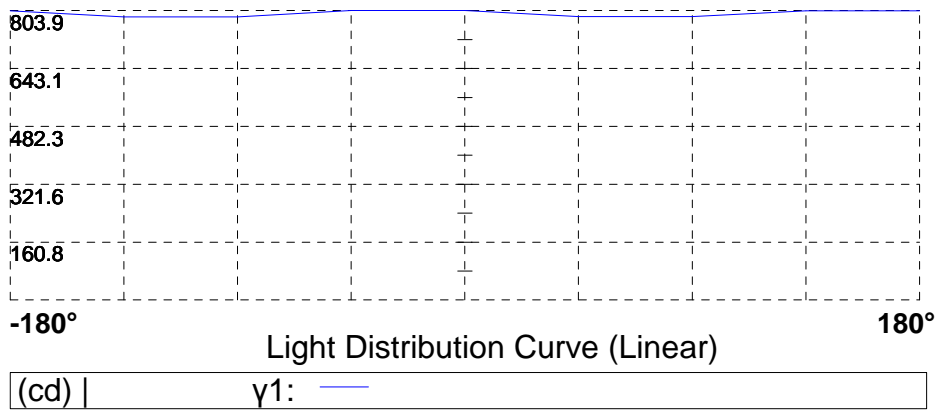
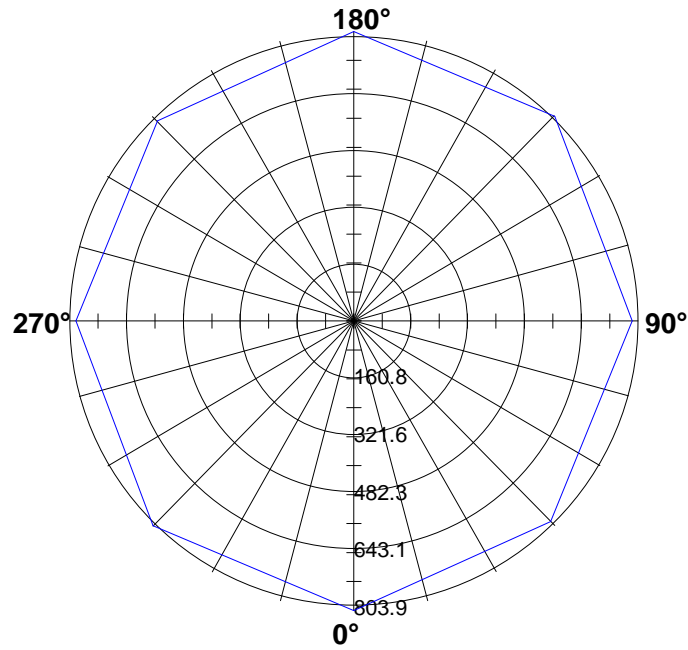
C\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0
135.0	0.0
180.0	0.0
225.0	0.0
270.0	0.0
315.0	0.0
360.0	0.0

Light Distribution Curve [Unit: cd]

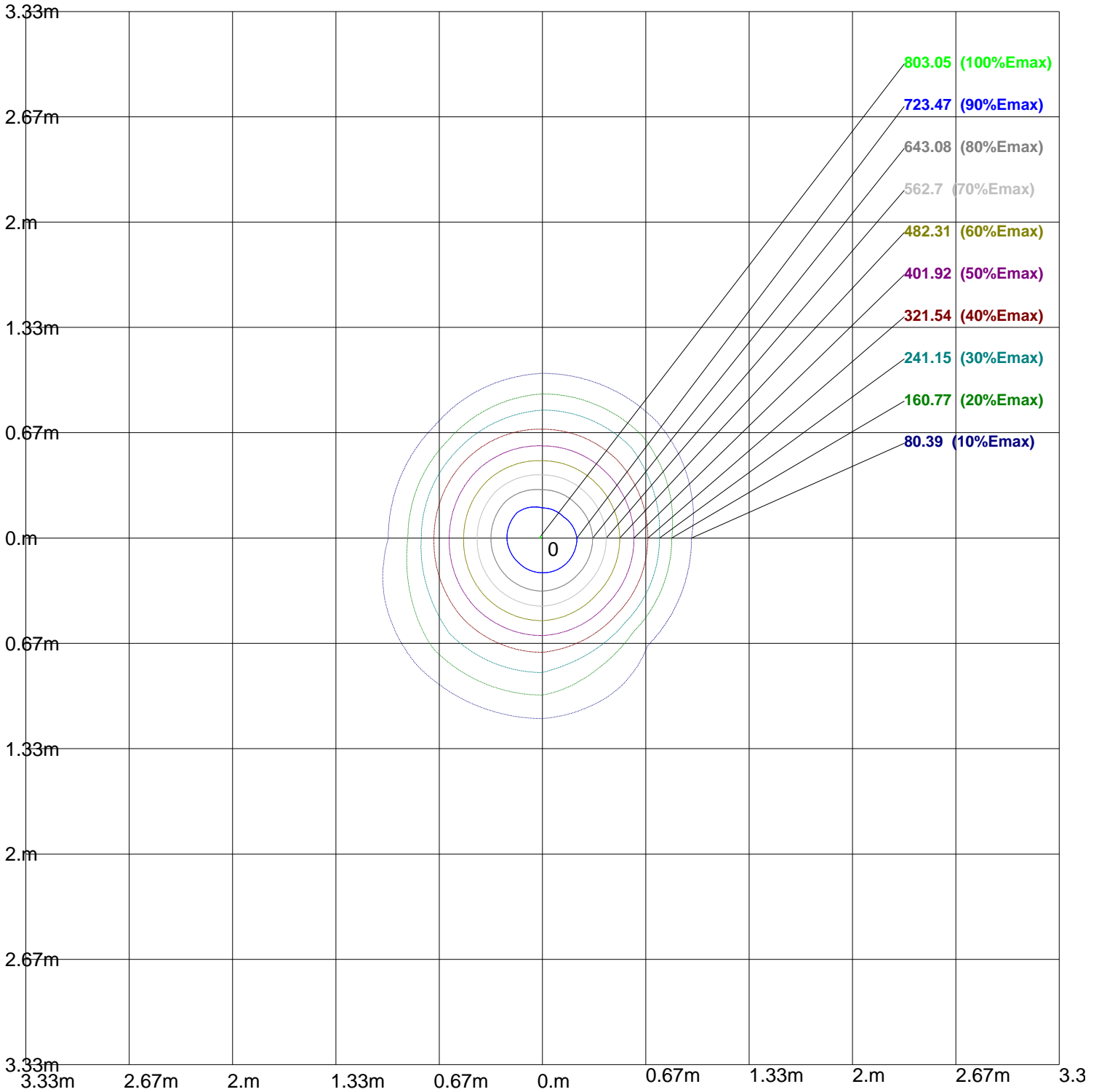
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 803.85lx

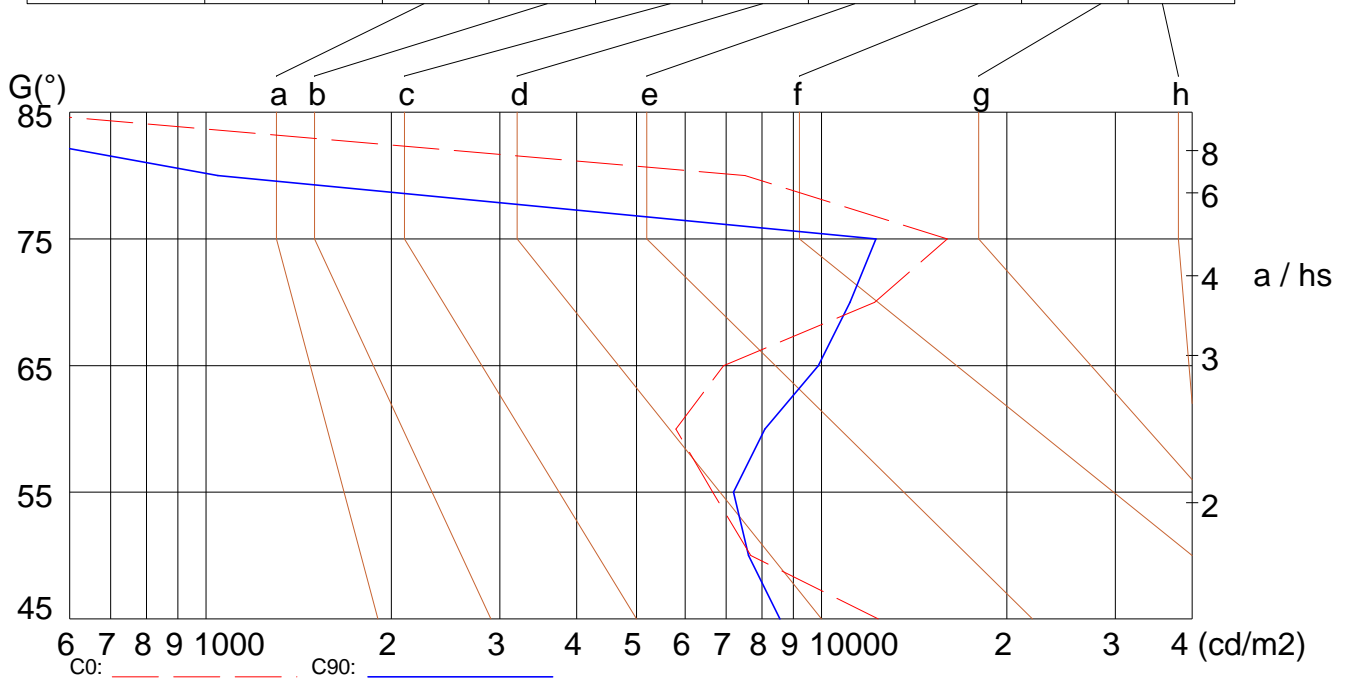
Luminance Limiting Curve

Diameter: mm
Length: 180mm
Width: 180mm
Height: 40mm

(cd/m²)

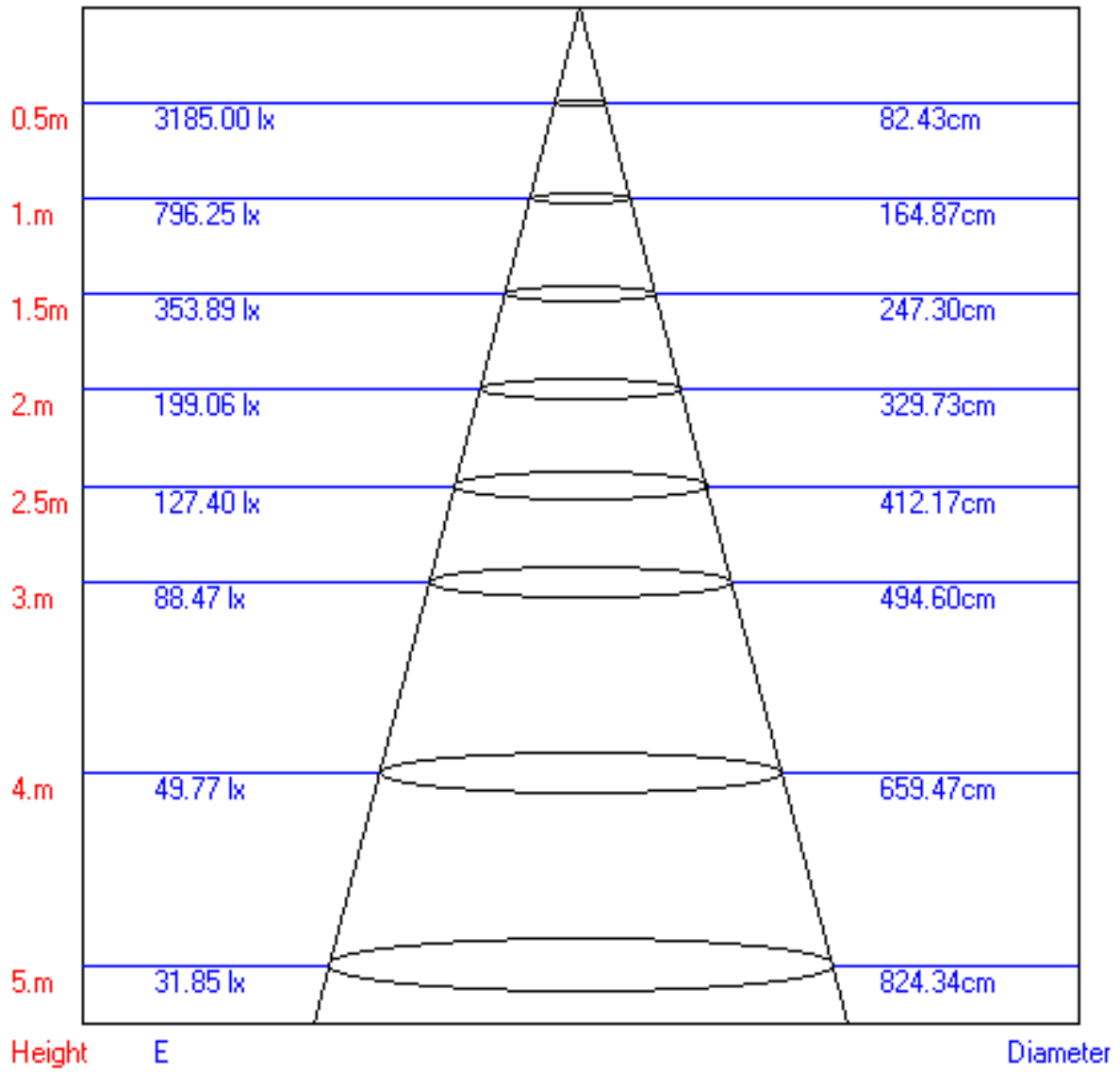
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	12355	7669	6654	5797	6929	12198	15997	7505	
C90	8555	7612	7194	8088	9879	11127	12260	1045	

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:79.00°

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	1.07	1.06	1.05	1.06	1.04	1.03	1.02	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.81
2	0.94	0.92	0.90	0.93	0.91	0.89	0.90	0.87	0.85	0.87	0.83	0.80	0.82	0.78	0.75	0.70
3	0.83	0.80	0.79	0.83	0.79	0.77	0.81	0.77	0.74	0.78	0.74	0.70	0.74	0.70	0.66	0.61
4	0.74	0.71	0.70	0.74	0.71	0.68	0.73	0.68	0.65	0.71	0.66	0.62	0.68	0.63	0.58	0.54
5	0.66	0.64	0.62	0.66	0.63	0.61	0.66	0.62	0.58	0.65	0.59	0.55	0.63	0.57	0.52	0.49
6	0.60	0.57	0.56	0.60	0.57	0.55	0.60	0.56	0.52	0.59	0.54	0.50	0.58	0.52	0.47	0.44
7	0.54	0.52	0.51	0.55	0.52	0.50	0.55	0.51	0.47	0.55	0.49	0.45	0.54	0.48	0.43	0.40
8	0.50	0.47	0.46	0.50	0.47	0.45	0.51	0.46	0.43	0.51	0.45	0.41	0.50	0.44	0.39	0.36
9	0.46	0.43	0.42	0.46	0.43	0.41	0.47	0.42	0.40	0.47	0.42	0.38	0.47	0.40	0.36	0.33
10	0.42	0.40	0.39	0.43	0.40	0.38	0.43	0.39	0.36	0.44	0.38	0.35	0.44	0.38	0.33	0.30

