



Luminaire Property

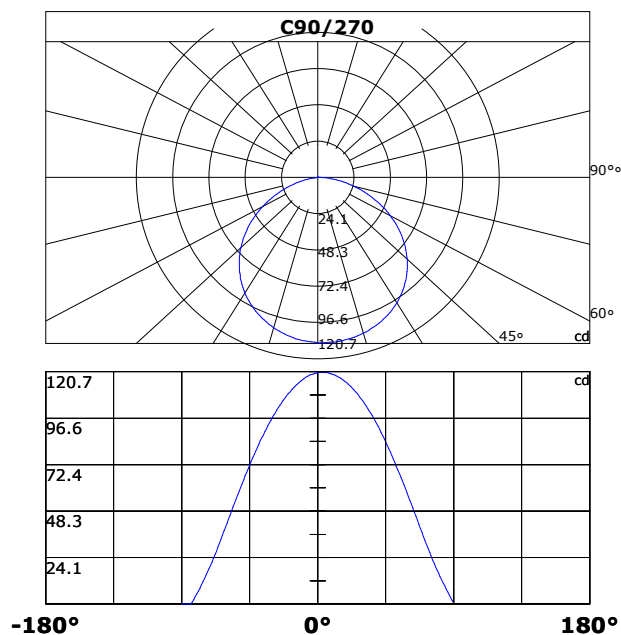
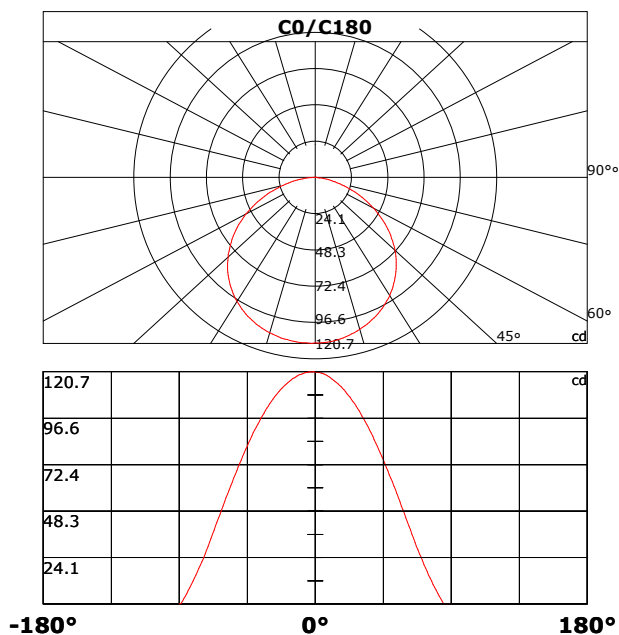
Luminaire Description: B1080-BC
Luminaire Category: DOWNLIGHT SLIM 6W
Lamp Category: DOWNLIGHT
Lamp Description: BLANCO CALIDO 3000K
Number of Lamp: 1
Lamp Lumens(lm): 329.23
Luminous Length(m): 0.12
Luminous Width(m): 0.12
Luminous Height(m): 0.03

Voltage: 230.0 V
Current: 0.056 A
Power: 7.04 W
Power Factor: 0.545
Test Lab: BLED
Photometric Type: Type C
Manufactory: BLED

Photometric Results

CIE Class: Direct
Luminaire Lumens: 329.23 lm
Efficiency: 46.7656 lm/W
Central Intensity: 120.322cd
Max. Intensity: 120.692cd
Field Angle(10%Imax): NA

Max.Intensity Angle: C:180.0 G:1.0
Beam Angle(50%Imax): L: -55.5 R:53.5
Luminaire Efficacy Rating(LER) : 60.9685%
Upward Ratio: NA
Downward Ratio: NA
Beamwidth(50%Imax): H=114.47V=115.03





Light intensity data Unit[cd]

C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	120.3	120.5	120.4	120.2	120.0	119.8	119.6	119.1	118.6	118.2
C45.0	120.3	120.2	120.3	120.2	120.2	120.2	120.1	119.9	119.7	119.5
C90.0	120.3	120.4	120.4	120.3	120.2	120.3	120.2	120.1	119.8	119.6
C135.0	120.3	120.4	120.4	120.5	120.4	120.4	120.2	120.0	119.8	119.5
C180.0	120.3	120.7	120.7	120.6	120.6	120.5	120.3	120.1	119.8	119.5
C225.0	120.3	120.0	119.8	119.5	119.4	119.0	118.8	118.3	117.9	117.4
C270.0	120.3	119.9	119.7	119.5	119.3	119.0	118.6	118.3	117.8	117.2
C315.0	120.3	120.2	120.0	119.8	119.6	119.4	119.0	118.6	118.2	117.8
C360.0	120.3	120.5	120.4	120.2	120.0	119.8	119.6	119.1	118.6	118.2
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	117.7	117.1	116.4	115.8	115.1	114.4	113.6	112.9	112.1	111.3
C45.0	119.2	118.9	118.5	118.1	117.7	117.2	116.7	116.0	115.7	115.0
C90.0	119.3	119.1	118.7	118.2	117.8	117.4	116.9	116.3	115.6	115.1
C135.0	119.2	119.0	118.5	118.1	117.7	117.2	116.7	116.1	115.5	114.9
C180.0	119.3	118.9	118.5	118.0	117.6	117.1	116.5	115.9	115.2	114.5
C225.0	117.0	116.4	115.9	115.2	114.5	113.9	113.2	112.3	111.5	110.6
C270.0	116.6	116.0	115.4	114.7	114.0	113.2	112.4	111.6	110.6	109.6
C315.0	117.4	116.8	116.3	115.6	115.1	114.4	113.6	112.9	112.0	111.2
C360.0	117.7	117.1	116.4	115.8	115.1	114.4	113.6	112.9	112.1	111.3
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	110.3	109.3	108.4	107.4	106.4	105.1	104.1	102.8	101.6	100.5
C45.0	114.1	113.5	112.7	112.0	111.0	110.2	109.3	108.3	107.3	106.3
C90.0	114.3	113.7	113.0	112.0	111.3	110.4	109.5	108.6	107.4	106.3
C135.0	114.1	113.5	112.6	111.9	111.0	110.1	109.2	108.1	107.2	106.1
C180.0	113.8	113.0	112.2	111.3	110.5	109.5	108.5	107.6	106.5	105.3
C225.0	109.8	108.7	107.7	106.8	105.7	104.7	103.4	102.2	100.9	99.7
C270.0	108.8	107.8	106.6	105.7	104.5	103.3	102.2	100.9	99.6	98.4
C315.0	110.3	109.3	108.5	107.5	106.4	105.3	104.2	103.0	101.8	100.6
C360.0	110.3	109.3	108.4	107.4	106.4	105.1	104.1	102.8	101.6	100.5
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	99.0	97.7	96.3	94.9	93.3	91.9	90.3	88.8	87.3	85.4
C45.0	105.2	104.1	103.0	101.7	100.4	99.2	97.8	96.5	95.0	93.6
C90.0	105.4	104.2	103.0	101.7	100.6	99.3	98.1	96.5	95.1	93.7
C135.0	104.8	103.8	102.5	101.4	100.1	98.8	97.4	96.0	94.5	93.0
C180.0	104.2	103.0	101.8	100.5	99.1	97.8	96.5	95.0	93.5	92.0
C225.0	98.3	96.9	95.6	94.2	92.7	91.2	89.6	87.9	86.3	84.7
C270.0	97.0	95.5	94.1	92.7	91.0	89.7	87.7	86.4	84.8	83.1
C315.0	99.2	98.0	96.6	95.1	93.5	92.2	90.6	89.0	87.3	85.7
C360.0	99.0	97.7	96.3	94.9	93.3	91.9	90.3	88.8	87.3	85.4



Light intensity data Unit[cd]

C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	83.8	82.1	80.5	78.5	76.7	74.9	73.2	71.1	69.2	67.3
C45.0	92.2	90.7	88.8	87.5	85.8	84.3	82.3	80.7	78.9	77.3
C90.0	92.3	90.7	89.0	87.5	86.0	84.3	82.5	80.7	79.0	77.3
C135.0	91.5	90.0	88.3	86.7	84.9	83.5	81.6	80.0	77.9	76.2
C180.0	90.5	89.0	87.3	85.5	83.9	82.2	80.6	78.5	76.7	74.9
C225.0	82.8	81.1	79.4	77.7	75.6	73.8	71.7	69.7	67.3	65.1
C270.0	81.2	79.4	77.8	76.0	74.3	72.2	70.3	68.5	66.7	64.5
C315.0	84.0	82.5	80.8	78.7	77.0	75.2	73.2	71.0	68.9	66.7
C360.0	83.8	82.1	80.5	78.5	76.7	74.9	73.2	71.1	69.2	67.3
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	65.5	63.6	61.3	59.4	57.5	55.3	53.1	51.0	49.0	46.9
C45.0	75.3	73.5	71.8	69.7	68.1	65.8	64.0	62.0	60.0	58.2
C90.0	75.3	73.5	71.6	69.8	67.9	65.9	64.0	62.0	60.1	57.8
C135.0	74.3	72.5	70.5	68.5	66.8	64.6	62.8	60.6	58.5	56.7
C180.0	73.0	71.3	69.2	67.2	65.4	63.4	61.4	59.2	57.1	55.2
C225.0	62.8	60.9	59.2	57.0	55.1	53.0	50.6	48.4	46.3	44.2
C270.0	62.7	60.7	58.8	56.8	54.6	52.5	50.5	48.5	46.1	44.1
C315.0	64.4	62.0	60.1	58.3	56.4	54.5	52.1	49.6	47.3	45.5
C360.0	65.5	63.6	61.3	59.4	57.5	55.3	53.1	51.0	49.0	46.9
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	44.9	42.6	40.6	38.5	36.4	34.4	32.0	30.0	28.2	26.0
C45.0	55.9	54.0	51.9	49.9	48.0	45.6	43.6	41.5	39.6	37.4
C90.0	56.0	53.8	51.8	50.0	47.5	45.7	43.5	41.3	39.2	37.1
C135.0	54.5	52.3	50.2	48.1	46.3	44.0	41.9	39.6	37.7	35.5
C180.0	53.3	50.9	48.9	46.9	44.8	42.6	40.4	38.4	36.3	34.1
C225.0	42.2	40.1	37.9	36.0	33.8	31.8	29.7	27.5	25.8	23.9
C270.0	42.1	40.0	38.0	35.8	33.9	31.7	29.6	27.5	25.6	23.8
C315.0	43.4	41.2	39.0	37.0	34.9	32.7	30.6	28.6	26.7	24.6
C360.0	44.9	42.6	40.6	38.5	36.4	34.4	32.0	30.0	28.2	26.0
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	24.2	22.3	20.4	18.7	16.9	15.1	13.5	11.9	10.3	8.7
C45.0	35.2	33.1	31.0	29.0	26.9	25.1	23.1	21.3	19.5	17.8
C90.0	35.1	32.9	30.9	28.9	26.7	25.0	22.9	21.3	19.4	17.7
C135.0	33.4	31.4	29.1	27.2	25.2	23.3	21.4	19.4	17.7	16.1
C180.0	32.1	29.8	27.8	25.9	23.9	22.1	20.2	18.5	16.8	15.0
C225.0	22.1	20.1	18.4	16.6	14.8	13.1	11.5	9.9	8.2	6.8
C270.0	21.9	20.0	18.3	16.5	14.8	13.2	11.5	9.9	8.3	6.7
C315.0	22.7	21.0	19.1	17.5	15.7	13.9	12.3	10.7	9.2	7.5
C360.0	24.2	22.3	20.4	18.7	16.9	15.1	13.5	11.9	10.3	8.7



Light intensity data Unit[cd]

C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	7.3	5.6	4.2	2.9	1.4	0.2	0.0	0.0	0.0	0.0
C45.0	16.2	14.4	12.7	11.2	9.5	7.9	6.4	4.9	3.5	2.0
C90.0	16.0	14.3	12.7	10.9	9.5	7.9	6.3	4.8	3.4	2.0
C135.0	14.4	12.7	11.1	9.6	8.1	6.5	5.0	3.6	2.3	1.0
C180.0	13.4	11.8	10.1	8.6	7.1	5.6	4.1	2.8	1.4	0.2
C225.0	5.3	3.8	2.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	5.3	3.8	2.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C315.0	6.1	4.6	3.1	1.9	0.6	0.0	0.0	0.0	0.0	0.0
C360.0	7.3	5.6	4.2	2.9	1.4	0.2	0.0	0.0	0.0	0.0
C\G	G90.0									
C0.0	0.0									
C45.0	0.6									
C90.0	0.5									
C135.0	0.0									
C180.0	0.0									
C225.0	0.0									
C270.0	0.0									
C315.0	0.0									
C360.0	0.0									



Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	120.32	0.00	0.00	0.00	0.00
0.0-1.0	120.28	0.12	0.12	0.02	0.02
1.0-2.0	120.21	0.35	0.46	0.06	0.09
2.0-3.0	120.08	0.57	1.03	0.11	0.19
3.0-4.0	119.97	0.80	1.84	0.15	0.34
4.0-5.0	119.83	1.03	2.87	0.19	0.53
5.0-6.0	119.60	1.26	4.13	0.23	0.76
6.0-7.0	119.32	1.48	5.61	0.27	1.04
7.0-8.0	118.95	1.71	7.32	0.32	1.35
8.0-9.0	118.57	1.93	9.24	0.36	1.71
9.0-10.0	118.21	2.14	11.38	0.40	2.11
10.0-11.0	117.77	2.36	13.74	0.44	2.54
11.0-12.0	117.25	2.57	16.31	0.48	3.02
12.0-13.0	116.72	2.78	19.09	0.51	3.53
13.0-14.0	116.18	2.98	22.07	0.55	4.09
14.0-15.0	115.60	3.18	25.25	0.59	4.68
15.0-16.0	114.95	3.38	28.63	0.63	5.30
16.0-17.0	114.26	3.57	32.20	0.66	5.96
17.0-18.0	113.51	3.76	35.95	0.70	6.66
18.0-19.0	112.80	3.94	39.89	0.73	7.39
19.0-20.0	111.95	4.11	44.00	0.76	8.15
20.0-21.0	111.11	4.28	48.29	0.79	8.94
21.0-22.0	110.22	4.45	52.74	0.82	9.77
22.0-23.0	109.33	4.61	57.34	0.85	10.62
23.0-24.0	108.34	4.76	62.10	0.88	11.50
24.0-25.0	107.32	4.90	67.00	0.91	12.41
25.0-26.0	106.30	5.04	72.05	0.93	13.34
26.0-27.0	105.18	5.17	77.22	0.96	14.30
27.0-28.0	104.03	5.30	82.52	0.98	15.28
28.0-29.0	102.91	5.41	87.93	1.00	16.28
29.0-30.0	101.66	5.52	93.46	1.02	17.31
30.0-31.0	100.41	5.62	99.08	1.04	18.35
31.0-32.0	99.10	5.72	104.79	1.06	19.41
32.0-33.0	97.77	5.80	110.59	1.07	20.48
33.0-34.0	96.34	5.87	116.47	1.09	21.57
34.0-35.0	95.01	5.94	122.41	1.10	22.67
35.0-36.0	93.51	6.00	128.41	1.11	23.78
36.0-37.0	92.04	6.05	134.47	1.12	24.90
37.0-38.0	90.46	6.09	140.56	1.13	26.03
38.0-39.0	88.89	6.12	146.68	1.13	27.16
39.0-40.0	87.30	6.15	152.82	1.14	28.30



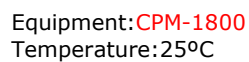
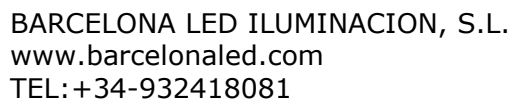
Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	85.69	6.16	158.98	1.14	29.44
41.0-42.0	83.99	6.16	165.15	1.14	30.58
42.0-43.0	82.27	6.16	171.31	1.14	31.72
43.0-44.0	80.53	6.14	177.45	1.14	32.86
44.0-45.0	78.79	6.12	183.58	1.13	34.00
45.0-46.0	76.95	6.09	189.67	1.13	35.12
46.0-47.0	75.03	6.04	195.71	1.12	36.24
47.0-48.0	73.08	5.99	201.70	1.11	37.35
48.0-49.0	71.16	5.92	207.62	1.10	38.45
49.0-50.0	69.16	5.85	213.47	1.08	39.53
50.0-51.0	67.25	5.77	219.24	1.07	40.60
51.0-52.0	65.31	5.69	224.93	1.05	41.65
52.0-53.0	63.35	5.60	230.53	1.04	42.69
53.0-54.0	61.46	5.50	236.03	1.02	43.71
54.0-55.0	59.38	5.39	241.42	1.00	44.71
55.0-56.0	57.31	5.27	246.70	0.98	45.68
56.0-57.0	55.15	5.14	251.84	0.95	46.64
57.0-58.0	53.06	5.00	256.84	0.93	47.56
58.0-59.0	51.09	4.87	261.71	0.90	48.46
59.0-60.0	49.03	4.73	266.44	0.88	49.34
60.0-61.0	46.85	4.58	271.02	0.85	50.19
61.0-62.0	44.78	4.42	275.43	0.82	51.01
62.0-63.0	42.78	4.26	279.69	0.79	51.79
63.0-64.0	40.69	4.10	283.79	0.76	52.55
64.0-65.0	38.54	3.92	287.71	0.73	53.28
65.0-66.0	36.41	3.74	291.45	0.69	53.97
66.0-67.0	34.28	3.55	295.00	0.66	54.63
67.0-68.0	32.41	3.38	298.38	0.63	55.26
68.0-69.0	30.30	3.20	301.58	0.59	55.85
69.0-70.0	28.35	3.01	304.59	0.56	56.41
70.0-71.0	26.32	2.83	307.42	0.52	56.93
71.0-72.0	24.37	2.64	310.05	0.49	57.42
72.0-73.0	22.53	2.45	312.50	0.45	57.87
73.0-74.0	20.62	2.27	314.77	0.42	58.29
74.0-75.0	18.85	2.09	316.86	0.39	58.68
75.0-76.0	17.06	1.91	318.76	0.35	59.03
76.0-77.0	15.37	1.73	320.49	0.32	59.35
77.0-78.0	13.68	1.55	322.05	0.29	59.64
78.0-79.0	12.04	1.38	323.43	0.26	59.89
79.0-80.0	10.50	1.22	324.64	0.23	60.12
80.0-81.0	8.89	1.05	325.69	0.19	60.31

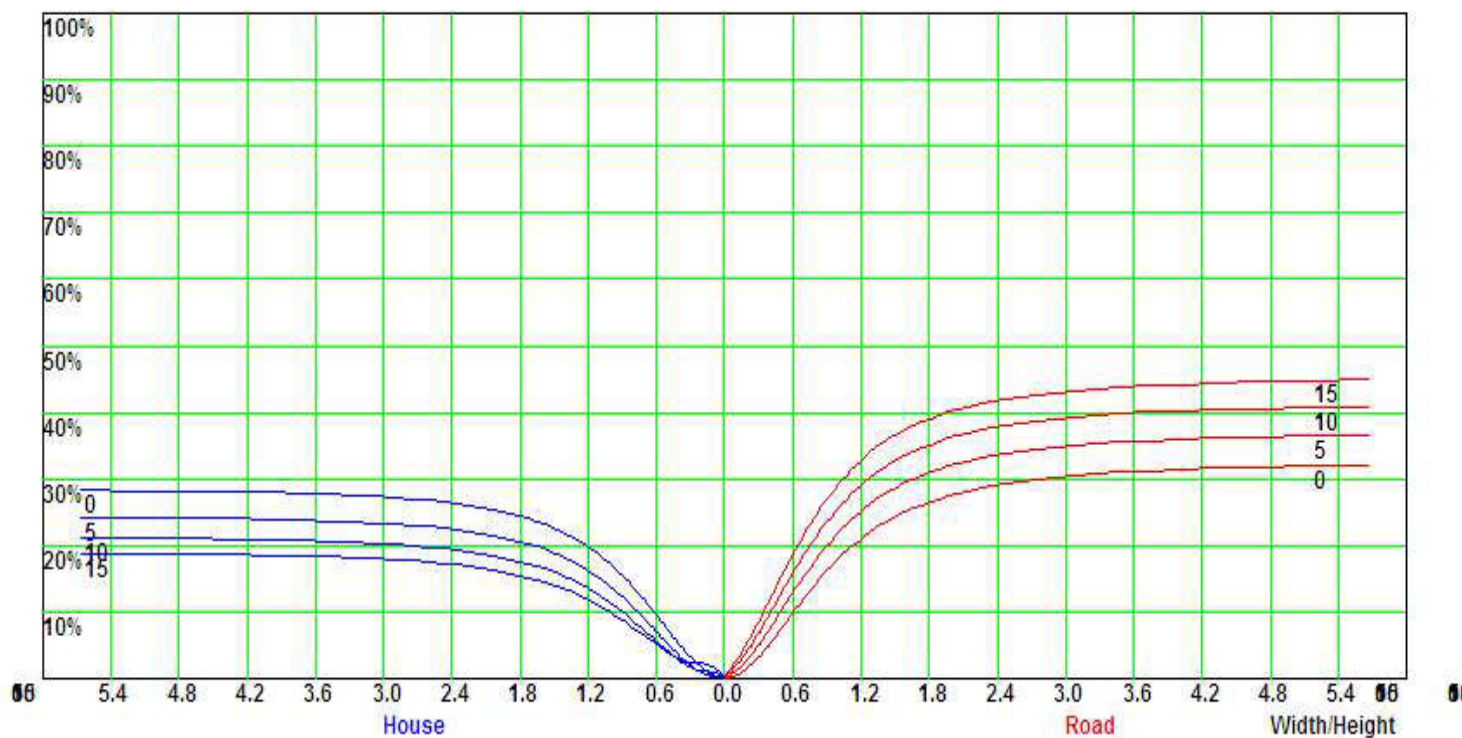


Zonal Luminous Flux Data

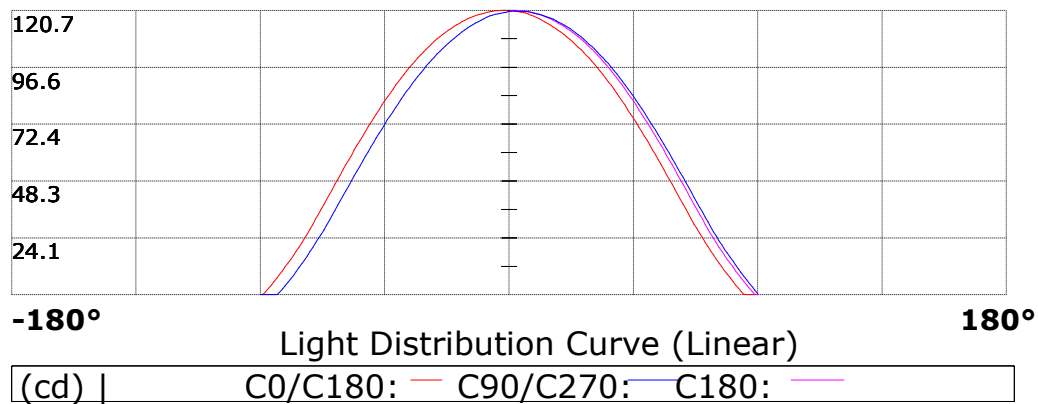
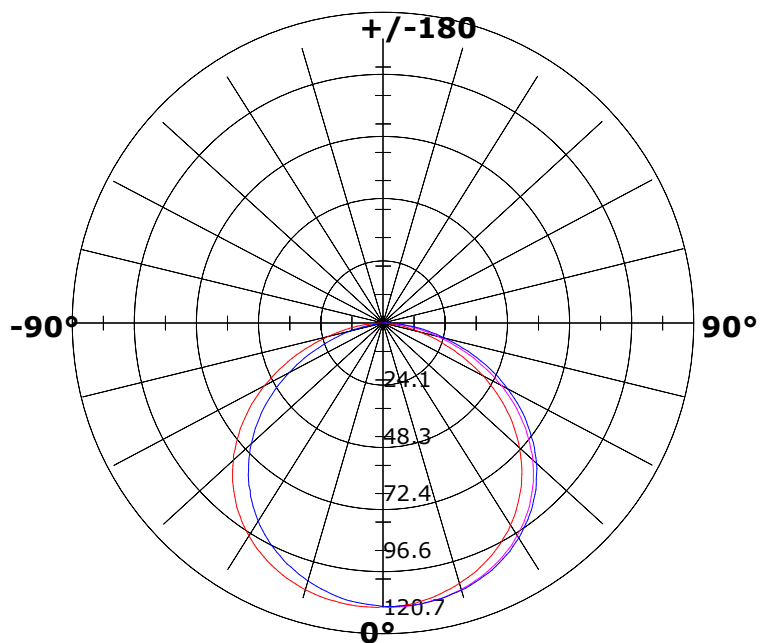
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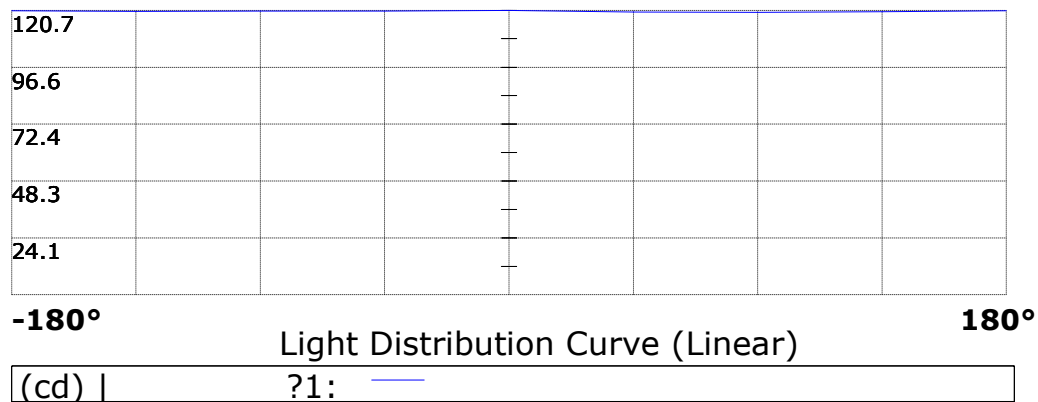
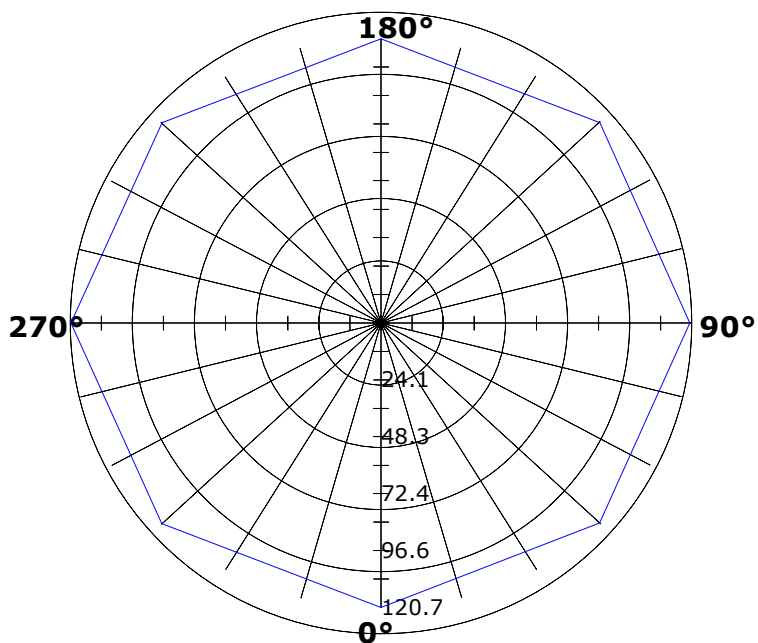


Coefficient Utilization Curve

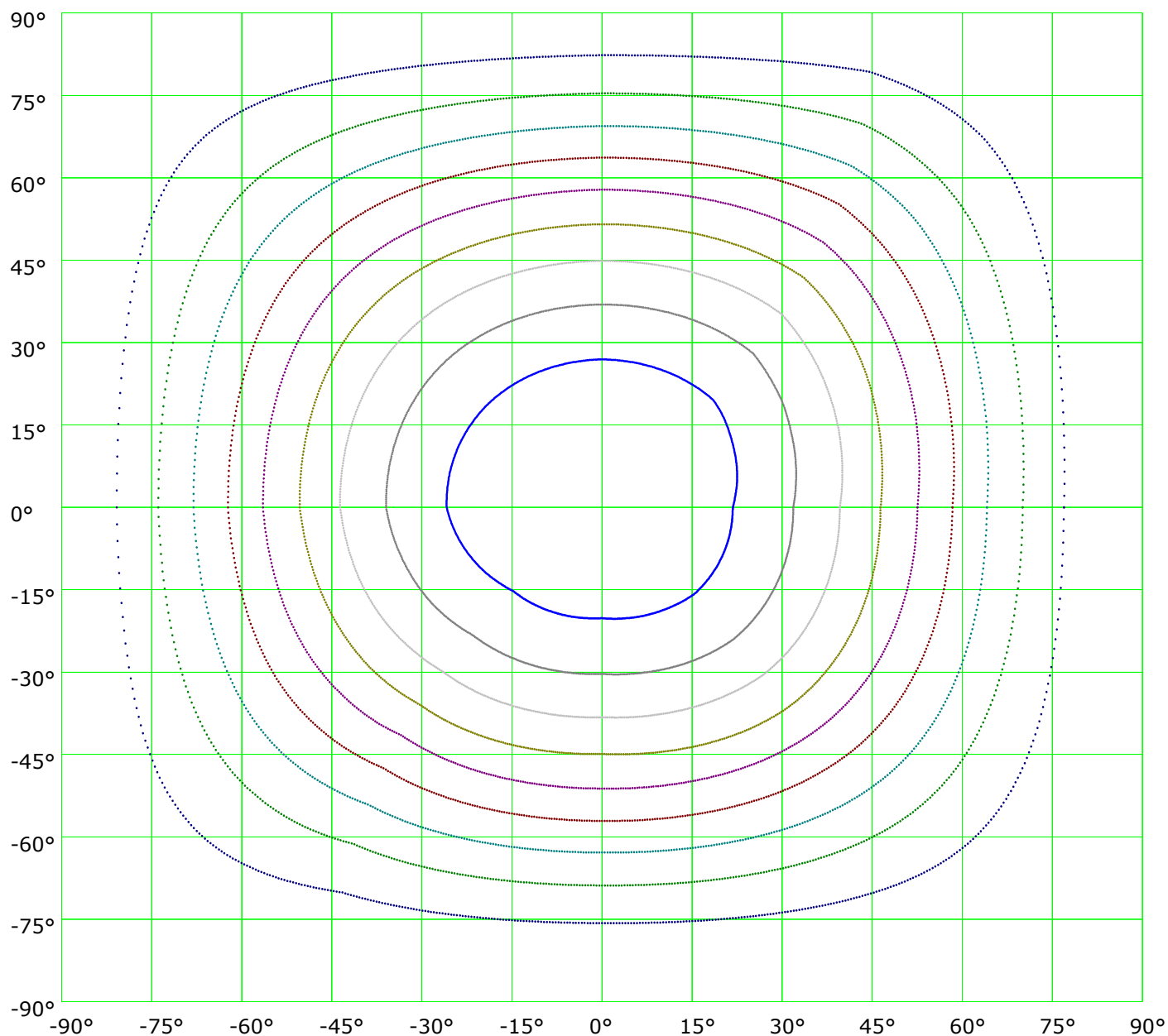


Light Distribution Curve [Unit: cd]



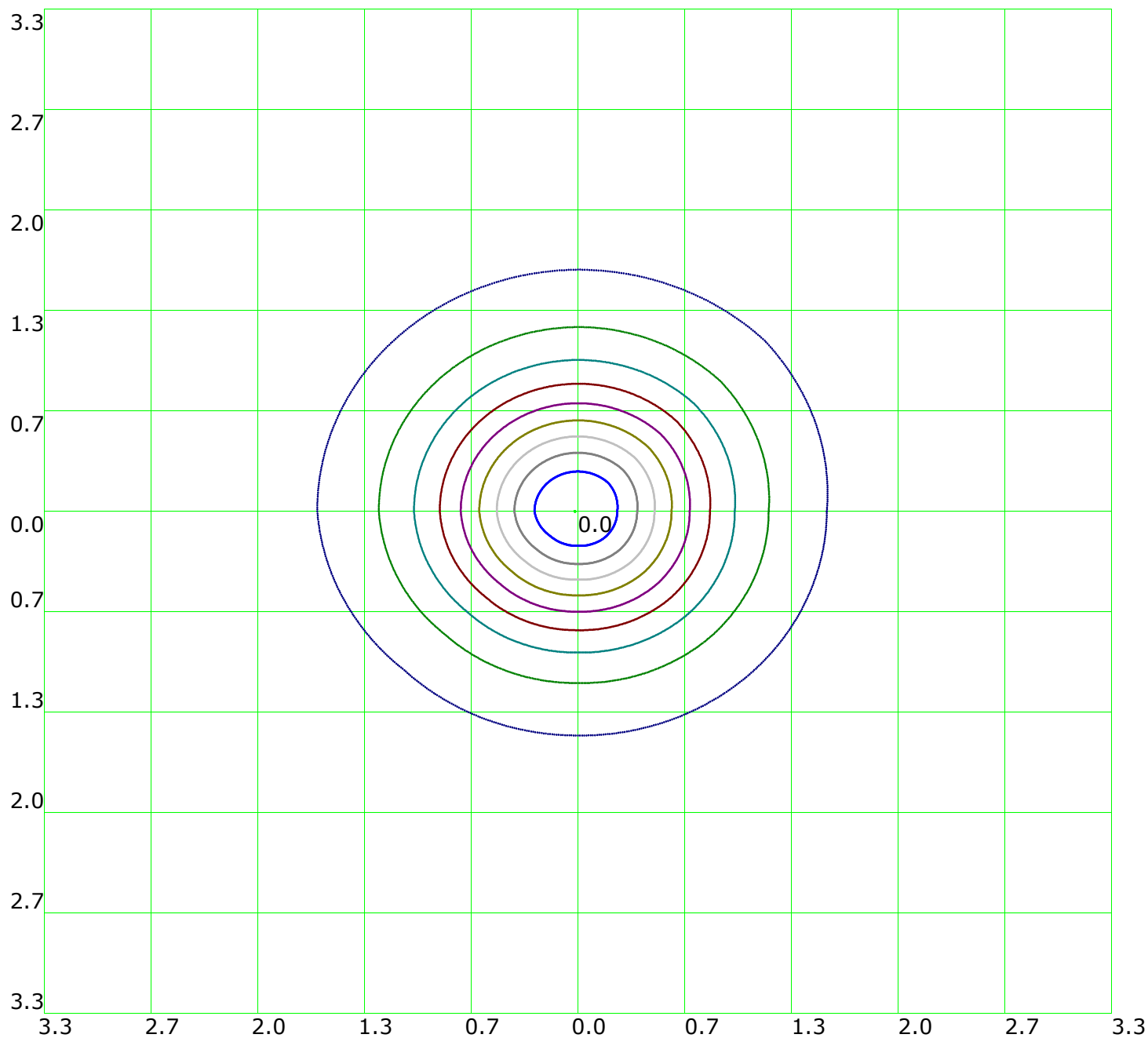


Isocandela(rectangle)



(10%): 12.1cd	(20%): 24.1cd	(30%): 36.2cd	(40%): 48.3cd
(50%): 60.3cd	(60%): 72.4cd	(70%): 84.5cd	(80%): 96.6cd
(90%): 108.6cd	(100%): 120.7cd		

Isolx curve



Height: 1 m

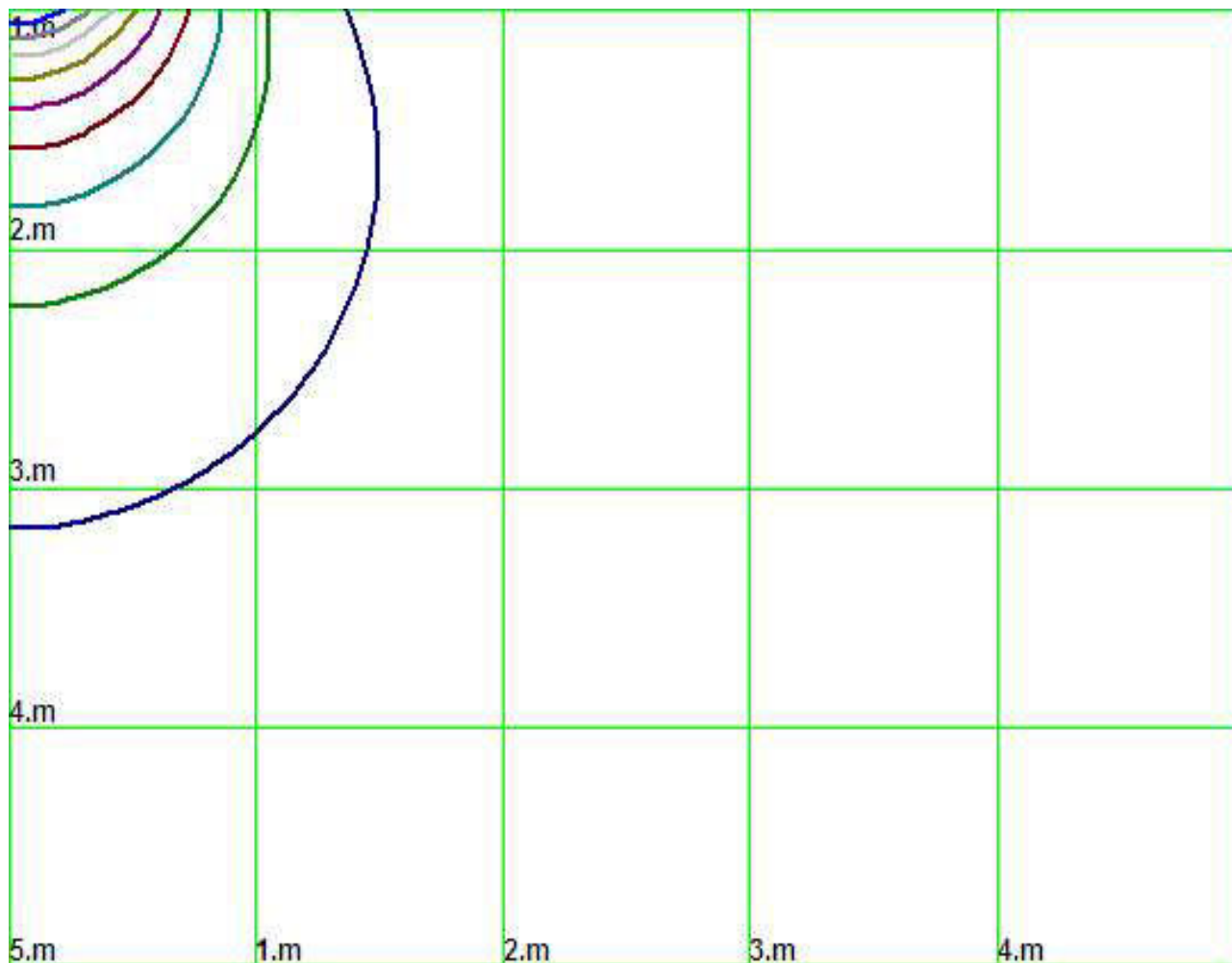
(10%): 12.1lx
(50%): 60.4lx
(90%): 108.6lx

(20%): 24.1lx
(60%): 72.4lx
(100%): 120.6lx

(30%): 36.2lx
(70%): 84.5lx

(40%): 48.3lx
(80%): 96.6lx

Space Isolx Curve



(10%): 12.1lx	(20%): 24.1lx	(30%): 36.2lx	(40%): 48.3lx
(50%): 60.4lx	(60%): 72.4lx	(70%): 84.5lx	(80%): 96.6lx
(90%): 108.6lx	(100%): 120.6lx		

Luminance Limiting Curve

Diameter: 120mm

Length: 120mm

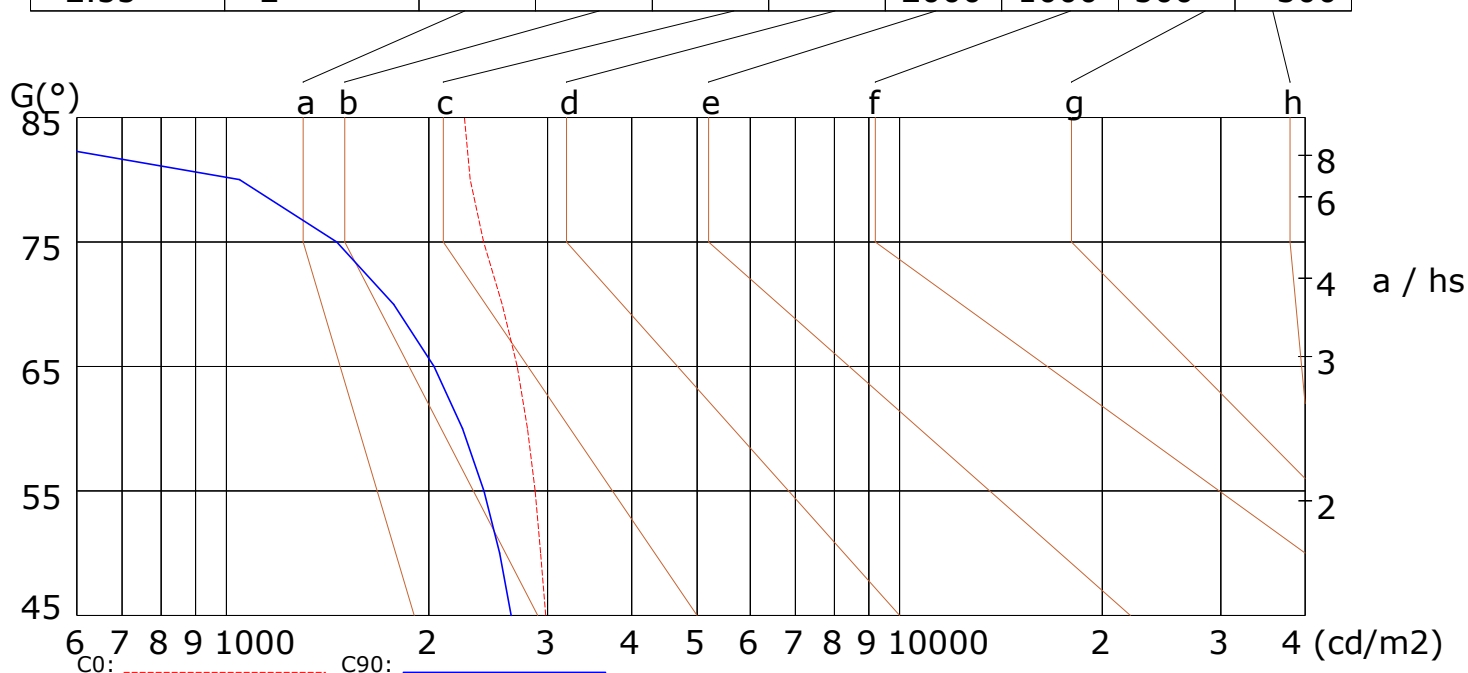
Width: 120mm

Height: 30mm

(cd/m²)

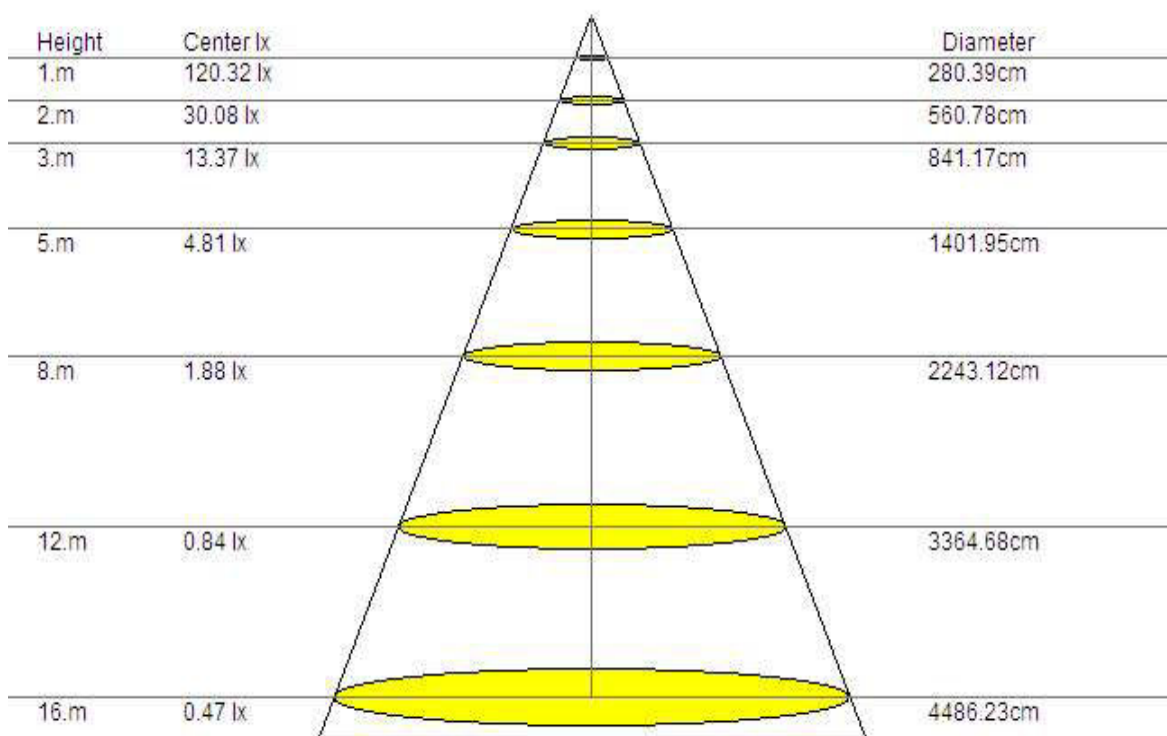
?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	2982	2929	2873	2801	2703	2568	2411	2303	2257
C90	2649	2546	2412	2243	2034	1772	1458	1045	65

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: 109.00° (50% I_{max})

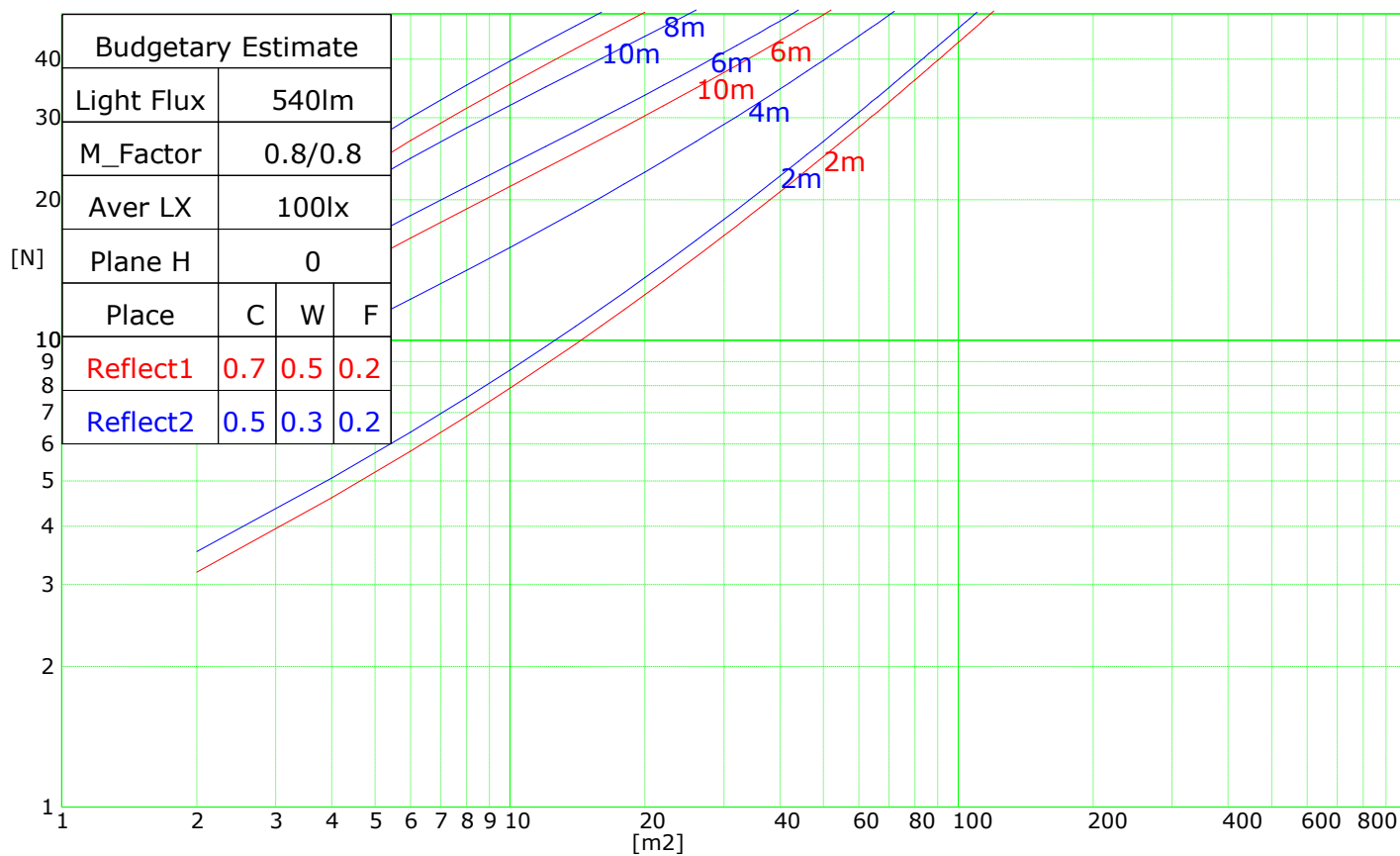


Coefficients of Utilization

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	0.73	0.73	0.73	0.71	0.71	0.71	0.68	0.68	0.68	0.65	0.65	0.65	0.62	0.62	0.62	0.61
1	0.64	0.63	0.62	0.63	0.62	0.61	0.61	0.60	0.59	0.58	0.57	0.55	0.54	0.53	0.51	0.48
2	0.55	0.53	0.52	0.54	0.52	0.51	0.53	0.51	0.49	0.51	0.48	0.46	0.48	0.46	0.43	0.40
3	0.47	0.45	0.44	0.47	0.45	0.43	0.46	0.43	0.41	0.45	0.42	0.39	0.43	0.40	0.37	0.34
4	0.41	0.39	0.38	0.41	0.38	0.37	0.40	0.38	0.35	0.40	0.36	0.34	0.38	0.35	0.32	0.29
5	0.35	0.34	0.33	0.36	0.34	0.32	0.36	0.33	0.31	0.36	0.32	0.29	0.35	0.31	0.28	0.25
6	0.31	0.30	0.29	0.32	0.30	0.28	0.32	0.29	0.27	0.32	0.28	0.26	0.32	0.28	0.24	0.22
7	0.28	0.26	0.25	0.28	0.26	0.25	0.29	0.26	0.24	0.29	0.25	0.23	0.29	0.25	0.22	0.20
8	0.25	0.24	0.23	0.26	0.23	0.22	0.26	0.23	0.21	0.27	0.23	0.20	0.27	0.23	0.19	0.18
9	0.23	0.21	0.20	0.23	0.21	0.20	0.24	0.21	0.19	0.24	0.21	0.18	0.25	0.21	0.18	0.16
10	0.21	0.19	0.18	0.21	0.19	0.18	0.22	0.19	0.17	0.23	0.19	0.17	0.23	0.19	0.16	0.14



Indoor Budgetary Estimate Chart





UGR Glare Index

Ceiling		70	70	50	50	30	70	70	50	50	30
Wall		50	30	50	30	30	50	30	50	30	30
Floor		20	20	20	20	20	20	20	20	20	20
Room Size		Weft to light axis direction of observation					Direction of light axis parallel observation				
X	Y										
2H	2H	14.8	15.9	15.1	15.9	16.5	14.5	15.9	14.9	16.1	16.4
	3H	16.2	17.5	16.6	17.7	18.1	16.2	17.3	16.5	17.8	18.0
	4H	17.0	18.1	17.3	18.5	18.7	16.9	18.0	17.2	18.6	18.9
	6H	17.6	18.5	18.1	18.9	19.0	17.5	18.4	17.8	19.0	19.0
	8H	17.9	18.8	18.1	19.0	19.3	17.9	18.8	17.9	19.0	19.4
	12H	17.8	18.9	18.2	19.1	19.6	17.9	18.6	18.1	19.3	19.4
4H	2H	15.7	16.6	15.9	16.8	17.0	15.5	16.6	15.7	16.8	17.0
	3H	17.3	18.4	17.7	18.3	18.7	17.4	18.3	17.5	18.4	18.8
	4H	18.2	19.0	18.6	19.1	19.4	18.0	18.9	18.4	19.2	19.5
	6H	18.8	19.5	19.1	19.9	20.1	18.7	19.5	19.0	19.7	20.2
	8H	19.1	19.7	19.4	19.9	20.4	19.0	19.6	19.3	19.9	20.2
	12H	19.2	20.0	19.5	20.2	20.4	19.2	19.7	19.5	20.1	20.6
8H	4H	18.5	19.2	19.0	19.4	19.9	18.4	19.1	18.7	19.4	19.9
	6H	19.4	19.9	19.9	20.2	20.5	19.3	19.8	19.7	20.1	20.6
	8H	19.6	20.2	20.1	20.5	21.0	19.7	20.1	20.0	20.4	21.0
	12H	20.0	20.4	20.5	20.8	21.2	19.9	20.3	20.3	20.8	21.2
	4H	18.6	19.2	18.9	19.4	19.8	18.5	19.1	18.8	19.5	19.9
	6H	19.5	20.0	19.9	20.2	20.7	19.5	19.8	19.7	20.2	20.7
12H	8H	19.8	20.4	20.4	20.5	21.0	19.9	20.1	20.2	20.6	21.0