



Luminaire Property

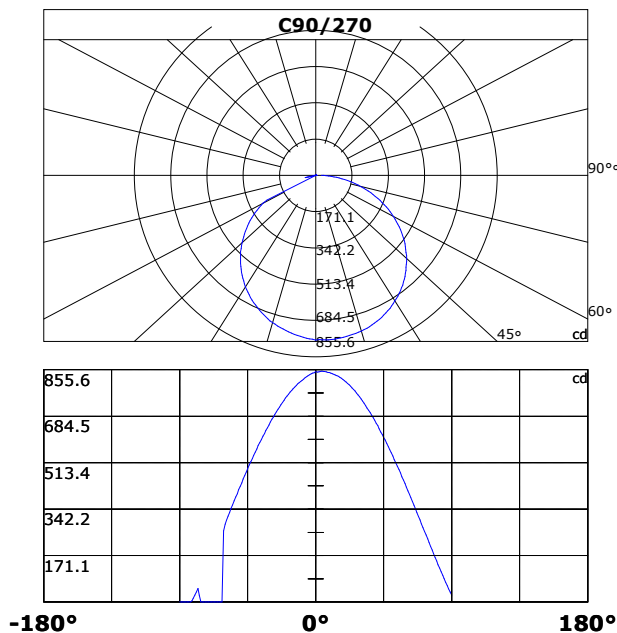
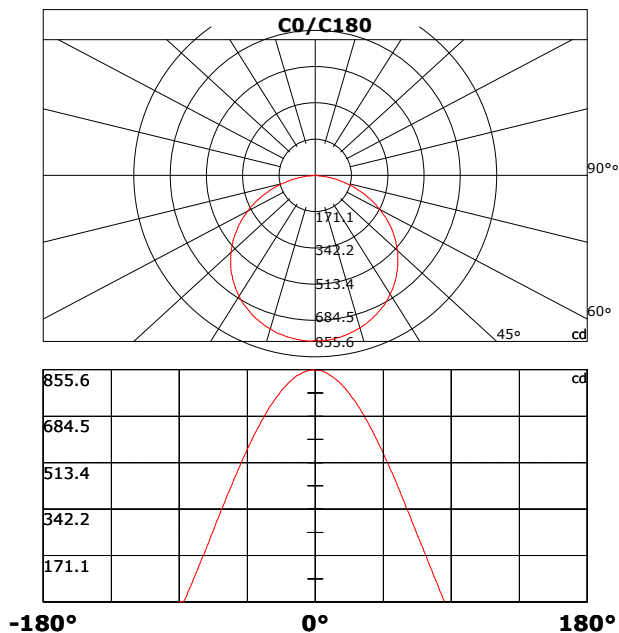
Luminaire Description: B1264-BF
 Luminaire Categorie: DOWNLIGHT SLIM 25W
 Lamp Categorie:
 Lamp Description: BLANCO FRIO 6000K
 Number of Lamp: 1
 Lamp Lumens(lm): NA
 Luminous Length(m): 0.23
 Luminous Width(m): 0.23
 Luminous Height(m): 0.035

Voltage: 231.8 V
 Current: 0.121 A
 Power: 25.04 W
 Power Factor: 0.895
 Test Lab: BLED
 Photometric Type: Type C
 Manufactory:

Photometric Results

CIE Class: Direct
 Effective Luminous Flux: 2291.00 lm
 Efficiency: 93.1494 lm/W
 Central Intensity: 849.397cd
 Max. Intensity: 855.603cd
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:180.0 G:2.0
 Beam Angle(50%Imax): L: -53.6 R:56.5
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: NA
 Downward Ratio: NA
 Beamwidth(50%Imax): H=116.21V=118.45





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	849.4	854.7	854.1	854.0	852.2	850.2	847.8	844.9	842.2	838.9
C45.0	849.4	845.5	846.2	846.9	847.2	847.8	847.4	846.8	845.8	844.6
C90.0	849.4	847.1	848.3	849.5	849.7	849.5	848.7	847.8	846.1	845.6
C135.0	849.4	850.5	850.7	850.8	850.5	849.6	848.8	847.0	845.9	843.6
C180.0	849.4	855.4	855.6	854.2	853.0	851.6	849.4	847.9	845.2	843.4
C225.0	849.4	842.3	840.3	837.3	835.4	832.2	829.0	825.7	821.1	817.4
C270.0	849.4	844.9	843.4	840.6	837.1	833.6	830.1	826.1	821.4	816.7
C315.0	849.4	848.6	847.3	845.8	844.1	841.9	838.7	835.8	833.3	829.3
C360.0	849.4	854.7	854.1	854.0	852.2	850.2	847.8	844.9	842.2	838.9
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	835.1	831.4	827.4	823.1	818.2	813.9	809.0	803.3	797.5	791.0
C45.0	842.5	840.8	838.2	836.2	833.5	830.5	827.2	823.5	819.4	815.6
C90.0	842.8	840.8	838.8	836.6	833.9	831.0	827.7	824.3	819.9	815.6
C135.0	841.8	839.4	836.4	833.8	830.1	826.4	822.6	818.6	813.5	808.5
C180.0	839.8	836.3	835.0	830.0	825.2	819.6	815.8	810.9	805.2	799.6
C225.0	812.8	808.3	802.8	797.6	792.1	786.4	780.0	773.3	766.4	759.3
C270.0	812.5	807.5	802.4	797.2	791.4	786.0	779.9	773.5	765.5	758.1
C315.0	825.9	821.5	817.6	812.9	808.0	802.2	797.2	790.9	785.1	779.4
C360.0	835.1	831.4	827.4	823.1	818.2	813.9	809.0	803.3	797.5	791.0
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	784.9	778.3	771.5	764.1	756.5	749.1	742.3	733.7	724.8	716.7
C45.0	810.7	806.3	801.0	795.8	790.3	784.4	777.8	771.4	764.5	757.0
C90.0	810.5	806.1	801.3	795.5	789.3	783.6	776.9	770.5	762.9	755.7
C135.0	803.5	798.6	792.3	786.9	780.5	774.4	767.6	758.8	752.8	744.4
C180.0	793.1	787.4	781.5	773.7	766.1	760.0	751.8	744.2	735.6	727.6
C225.0	752.6	744.9	736.5	728.9	720.0	712.2	702.2	693.0	684.1	675.2
C270.0	750.9	743.1	734.2	726.8	718.6	710.0	701.2	691.4	681.9	673.3
C315.0	771.9	765.3	758.2	751.2	743.5	735.1	727.0	718.5	710.2	701.4
C360.0	784.9	778.3	771.5	764.1	756.5	749.1	742.3	733.7	724.8	716.7
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	707.3	698.3	689.6	678.6	668.8	658.8	649.2	637.8	627.6	616.9
C45.0	749.8	742.3	734.8	726.2	717.5	709.2	700.4	691.8	682.2	671.9
C90.0	747.8	740.8	732.6	723.8	715.4	706.8	698.7	688.4	678.2	670.0
C135.0	736.8	727.7	720.0	711.3	702.3	693.5	683.3	673.8	663.5	654.1
C180.0	719.1	710.7	700.3	691.7	682.2	672.1	663.1	650.9	641.6	631.0
C225.0	665.7	654.3	643.9	633.9	623.3	612.5	601.2	589.8	577.2	563.3
C270.0	663.4	652.1	642.0	631.6	620.6	610.8	598.0	587.6	576.7	564.3
C315.0	691.6	682.5	672.4	662.6	652.0	642.1	632.3	620.9	608.3	596.2
C360.0	707.3	698.3	689.6	678.6	668.8	658.8	649.2	637.8	627.6	616.9



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	605.9	594.8	582.7	571.4	559.9	547.8	535.4	522.4	511.3	499.2
C45.0	662.3	652.7	642.9	631.7	621.0	611.3	600.0	589.3	576.5	566.3
C90.0	659.0	649.6	637.9	626.7	617.7	606.1	596.5	583.6	571.8	561.0
C135.0	643.6	632.5	621.6	612.3	599.1	589.8	577.2	566.2	553.9	542.1
C180.0	619.7	608.2	596.8	585.6	574.1	562.5	550.3	537.4	525.0	514.3
C225.0	550.5	537.6	524.5	511.2	496.2	481.2	468.9	457.0	443.5	430.4
C270.0	552.0	541.0	529.1	516.1	504.7	490.3	478.8	465.6	453.2	439.1
C315.0	584.3	571.9	559.3	545.5	532.4	519.0	505.1	492.0	480.3	468.4
C360.0	605.9	594.8	582.7	571.4	559.9	547.8	535.4	522.4	511.3	499.2
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	485.4	474.3	460.3	447.2	434.9	419.8	407.2	393.6	379.8	367.2
C45.0	553.5	543.3	530.2	517.7	506.7	493.8	482.3	467.8	454.9	443.9
C90.0	549.2	538.1	524.6	512.8	500.3	488.6	475.0	461.8	450.0	436.8
C135.0	529.5	518.0	505.5	491.6	480.2	466.9	454.9	441.5	426.8	414.2
C180.0	500.0	488.3	474.4	462.1	449.6	435.2	422.3	408.6	396.3	381.0
C225.0	416.6	403.2	390.5	375.4	362.3	348.5	335.1	320.7	307.4	292.3
C270.0	426.3	413.7	399.7	386.9	372.7	358.2	344.9	330.8	315.8	301.3
C315.0	455.7	442.3	428.1	415.4	401.8	388.5	374.7	361.8	347.3	333.5
C360.0	485.4	474.3	460.3	447.2	434.9	419.8	407.2	393.6	379.8	367.2
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	352.5	338.5	325.5	311.5	296.3	283.0	269.3	255.9	241.5	228.0
C45.0	430.1	416.2	403.0	389.9	377.4	363.6	349.6	335.5	322.9	308.0
C90.0	423.7	409.8	397.1	384.2	370.8	356.9	342.4	329.4	315.4	301.6
C135.0	400.9	388.6	372.9	359.7	347.3	332.8	320.2	304.1	291.4	277.9
C180.0	368.1	354.0	340.5	327.8	311.9	299.6	284.4	270.9	256.4	242.8
C225.0	279.0	266.4	250.5	236.6	222.5	209.8	194.6	181.3	168.3	155.2
C270.0	287.1	261.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C315.0	319.9	305.8	292.1	279.5	265.1	250.0	236.7	222.9	209.7	195.5
C360.0	352.5	338.5	325.5	311.5	296.3	283.0	269.3	255.9	241.5	228.0
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	213.7	200.0	186.7	171.9	158.3	145.1	131.6	118.2	104.4	89.8
C45.0	295.4	281.5	266.7	253.7	239.6	225.6	212.5	197.3	184.3	171.1
C90.0	288.0	274.4	259.8	246.8	233.1	219.3	205.1	191.1	178.3	164.6
C135.0	263.8	249.9	236.1	222.0	207.6	195.3	180.7	167.1	153.6	139.5
C180.0	229.0	214.2	200.3	187.1	173.0	160.5	145.4	132.7	118.3	105.4
C225.0	142.0	128.1	115.4	102.1	89.4	76.8	64.7	52.9	40.3	28.7
C270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	50.0	36.4
C315.0	182.6	169.0	154.8	142.3	128.8	114.9	103.1	89.5	77.2	63.8
C360.0	213.7	200.0	186.7	171.9	158.3	145.1	131.6	118.2	104.4	89.8



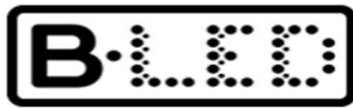
Light intensity data Unit[cd]

C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	76.1	62.4	47.6	34.4	21.5	9.1	0.6	0.0	0.0	0.0
C45.0	157.6	143.7	130.8	117.8	104.7	91.3	78.1	64.9	52.0	39.9
C90.0	151.3	137.9	125.2	111.3	98.7	86.9	73.1	61.3	48.9	37.4
C135.0	126.2	113.1	99.6	86.4	73.2	59.8	46.3	34.2	22.3	11.7
C180.0	91.2	77.9	65.6	51.6	39.1	25.9	12.4	2.9	0.0	0.0
C225.0	18.4	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	25.2	14.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C315.0	52.8	39.4	26.8	14.7	4.2	0.0	0.0	0.0	0.0	0.0
C360.0	76.1	62.4	47.6	34.4	21.5	9.1	0.6	0.0	0.0	0.0
C\G	G90.0									
C0.0	0.0									
C45.0	28.7									
C90.0	25.1									
C135.0	3.0									
C180.0	0.0									
C225.0	0.0									
C270.0	0.0									
C315.0	0.0									
C360.0	0.0									



Zonal Luminous Flux Data

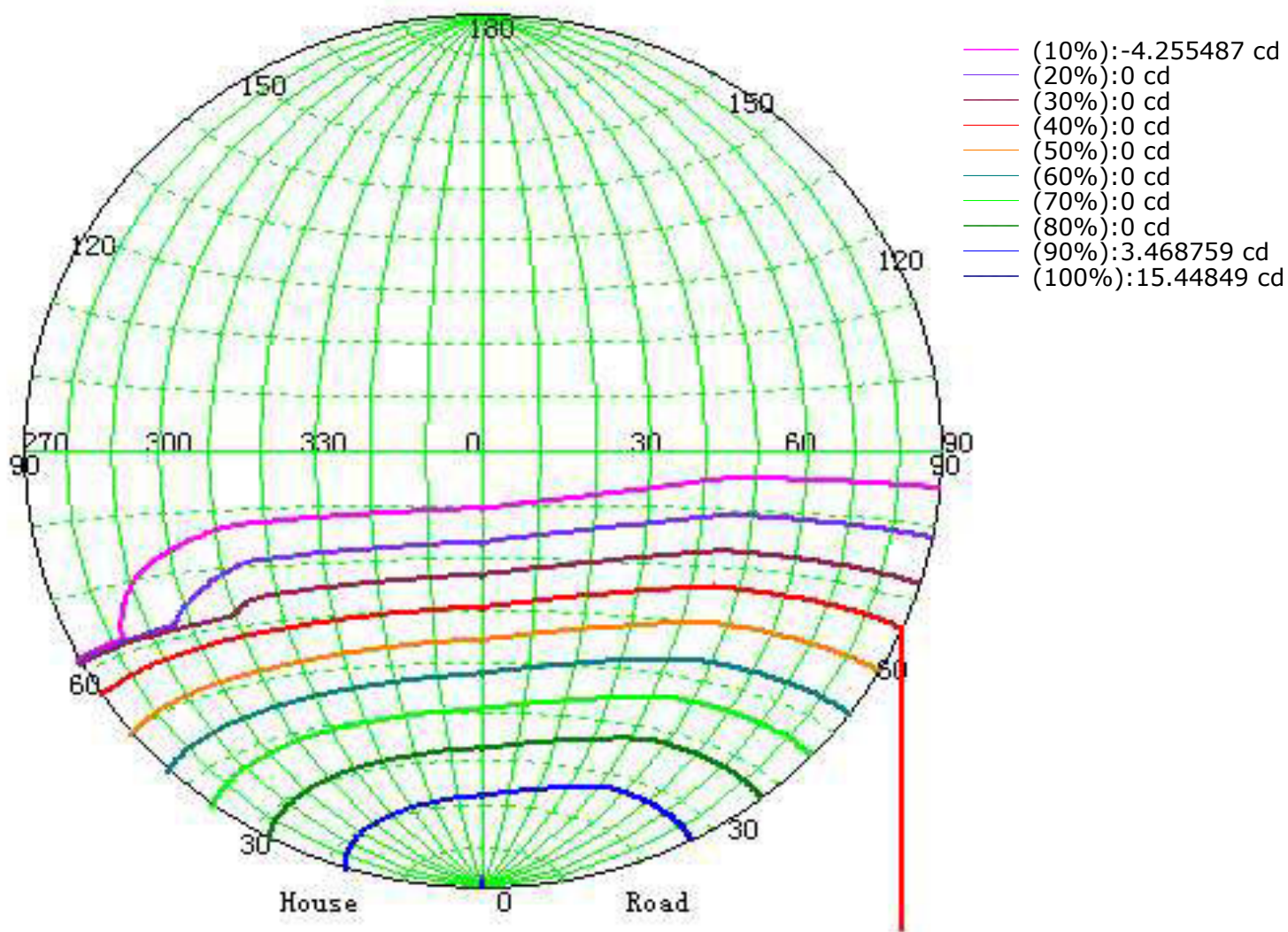
Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	849.40	0.00	0.00	0.00	0.00
0.0-1.0	848.61	0.81	0.81	0.03	0.03
1.0-2.0	848.24	2.44	3.25	0.10	0.14
2.0-3.0	847.39	4.06	7.30	0.17	0.31
3.0-4.0	846.14	5.67	12.97	0.24	0.56
4.0-5.0	844.55	7.27	20.25	0.31	0.87
5.0-6.0	842.50	8.87	29.11	0.38	1.25
6.0-7.0	840.25	10.44	39.56	0.45	1.70
7.0-8.0	837.63	12.01	51.56	0.51	2.21
8.0-9.0	834.92	13.56	65.12	0.58	2.79
9.0-10.0	831.64	15.08	80.20	0.65	3.44
10.0-11.0	828.25	16.59	96.79	0.71	4.15
11.0-12.0	824.82	18.07	114.86	0.77	4.92
12.0-13.0	820.93	19.53	134.39	0.84	5.76
13.0-14.0	816.53	20.96	155.35	0.90	6.66
14.0-15.0	812.00	22.36	177.71	0.96	7.62
15.0-16.0	807.43	23.73	201.43	1.02	8.64
16.0-17.0	802.28	25.07	226.50	1.07	9.71
17.0-18.0	796.56	26.36	252.86	1.13	10.84
18.0-19.0	790.89	27.62	280.48	1.18	12.03
19.0-20.0	784.75	28.84	309.32	1.24	13.26
20.0-21.0	778.75	30.02	339.34	1.29	14.55
21.0-22.0	772.06	31.16	370.51	1.34	15.88
22.0-23.0	765.36	32.26	402.77	1.38	17.27
23.0-24.0	758.11	33.31	436.07	1.43	18.70
24.0-25.0	751.11	34.32	470.39	1.47	20.17
25.0-26.0	743.35	35.28	505.67	1.51	21.68
26.0-27.0	735.19	36.17	541.84	1.55	23.23
27.0-28.0	727.11	37.02	578.86	1.59	24.82
28.0-29.0	718.90	37.83	616.69	1.62	26.44
29.0-30.0	710.19	38.59	655.28	1.65	28.09
30.0-31.0	701.08	39.27	694.55	1.68	29.78
31.0-32.0	691.96	39.91	734.46	1.71	31.49
32.0-33.0	682.45	40.49	774.95	1.74	33.22
33.0-34.0	672.77	41.01	815.97	1.76	34.98
34.0-35.0	663.21	41.49	857.46	1.78	36.76
35.0-36.0	653.27	41.92	899.37	1.80	38.56
36.0-37.0	642.62	42.26	941.64	1.81	40.37
37.0-38.0	631.90	42.54	984.18	1.82	42.19
38.0-39.0	620.95	42.76	1026.94	1.83	44.03
39.0-40.0	609.66	42.92	1069.86	1.84	45.87



Zonal Luminous Flux Data

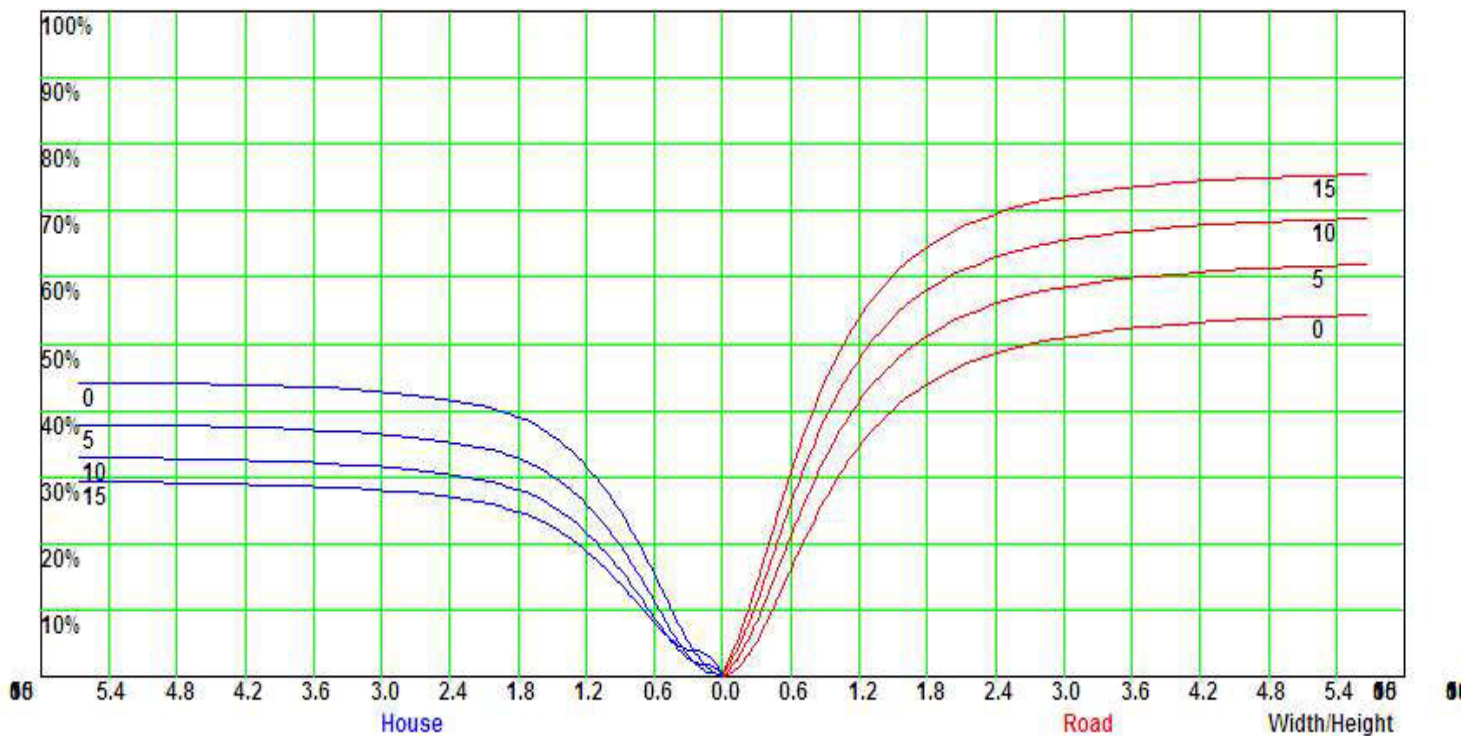
Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	598.54	43.02	1112.89	1.84	47.71
41.0-42.0	586.83	43.07	1155.95	1.85	49.56
42.0-43.0	575.08	43.04	1198.99	1.85	51.40
43.0-44.0	563.15	42.96	1241.95	1.84	53.25
44.0-45.0	551.02	42.82	1284.77	1.84	55.08
45.0-46.0	539.02	42.63	1327.40	1.83	56.91
46.0-47.0	526.70	42.39	1369.79	1.82	58.73
47.0-48.0	514.44	42.09	1411.88	1.80	60.53
48.0-49.0	502.59	41.77	1453.64	1.79	62.32
49.0-50.0	489.54	41.37	1495.01	1.77	64.10
50.0-51.0	477.66	40.92	1535.93	1.75	65.85
51.0-52.0	464.17	40.41	1576.34	1.73	67.58
52.0-53.0	451.14	39.82	1616.16	1.71	69.29
53.0-54.0	438.56	39.21	1655.37	1.68	70.97
54.0-55.0	424.92	38.54	1693.92	1.65	72.62
55.0-56.0	412.07	37.82	1731.74	1.62	74.25
56.0-57.0	398.32	37.05	1768.79	1.59	75.83
57.0-58.0	384.78	36.21	1805.00	1.55	77.39
58.0-59.0	371.28	35.35	1840.35	1.52	78.90
59.0-60.0	357.66	34.44	1874.79	1.48	80.38
60.0-61.0	342.65	33.42	1908.21	1.43	81.81
61.0-62.0	297.71	30.86	1939.06	1.32	83.13
62.0-63.0	286.15	28.40	1967.46	1.22	84.35
63.0-64.0	273.92	27.48	1994.94	1.18	85.53
64.0-65.0	261.98	26.52	2021.46	1.14	86.67
65.0-66.0	249.66	25.53	2046.99	1.09	87.76
66.0-67.0	237.49	24.50	2071.49	1.05	88.81
67.0-68.0	225.70	23.46	2094.95	1.01	89.82
68.0-69.0	213.64	22.41	2117.36	0.96	90.78
69.0-70.0	201.81	21.34	2138.70	0.91	91.69
70.0-71.0	189.62	20.23	2158.93	0.87	92.56
71.0-72.0	177.48	19.09	2178.02	0.82	93.38
72.0-73.0	165.74	17.95	2195.97	0.77	94.15
73.0-74.0	153.73	16.80	2212.76	0.72	94.87
74.0-75.0	142.20	15.64	2228.40	0.67	95.54
75.0-76.0	130.38	14.47	2242.87	0.62	96.16
76.0-77.0	121.73	13.44	2256.31	0.58	96.74
77.0-78.0	113.32	12.58	2268.89	0.54	97.27
78.0-79.0	99.92	11.46	2280.35	0.49	97.77
79.0-80.0	87.35	10.10	2290.44	0.43	98.20
80.0-81.0	74.45	8.75	2299.19	0.38	98.57

Iso-Candela [cd]

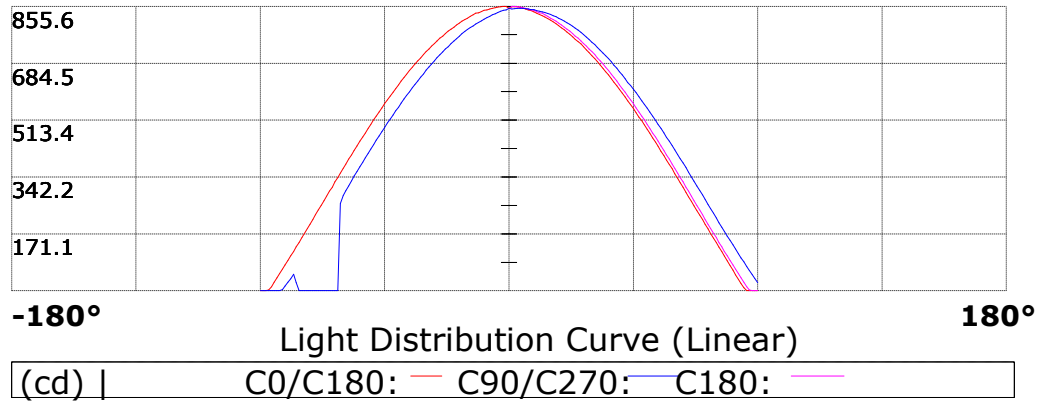
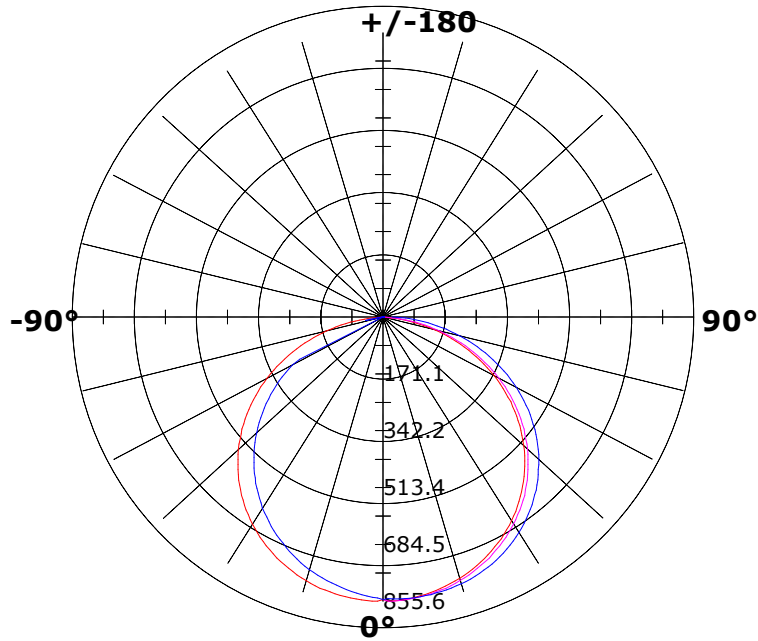


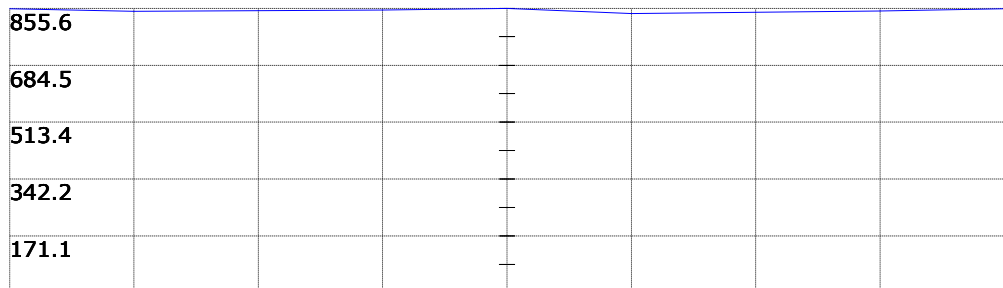
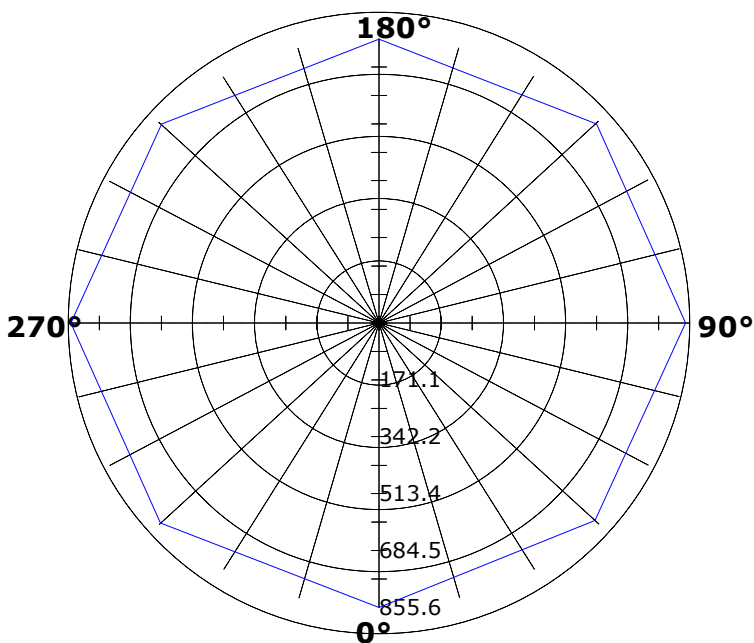


Coefficient Utilization Curve



Light Distribution Curve [Unit: cd]

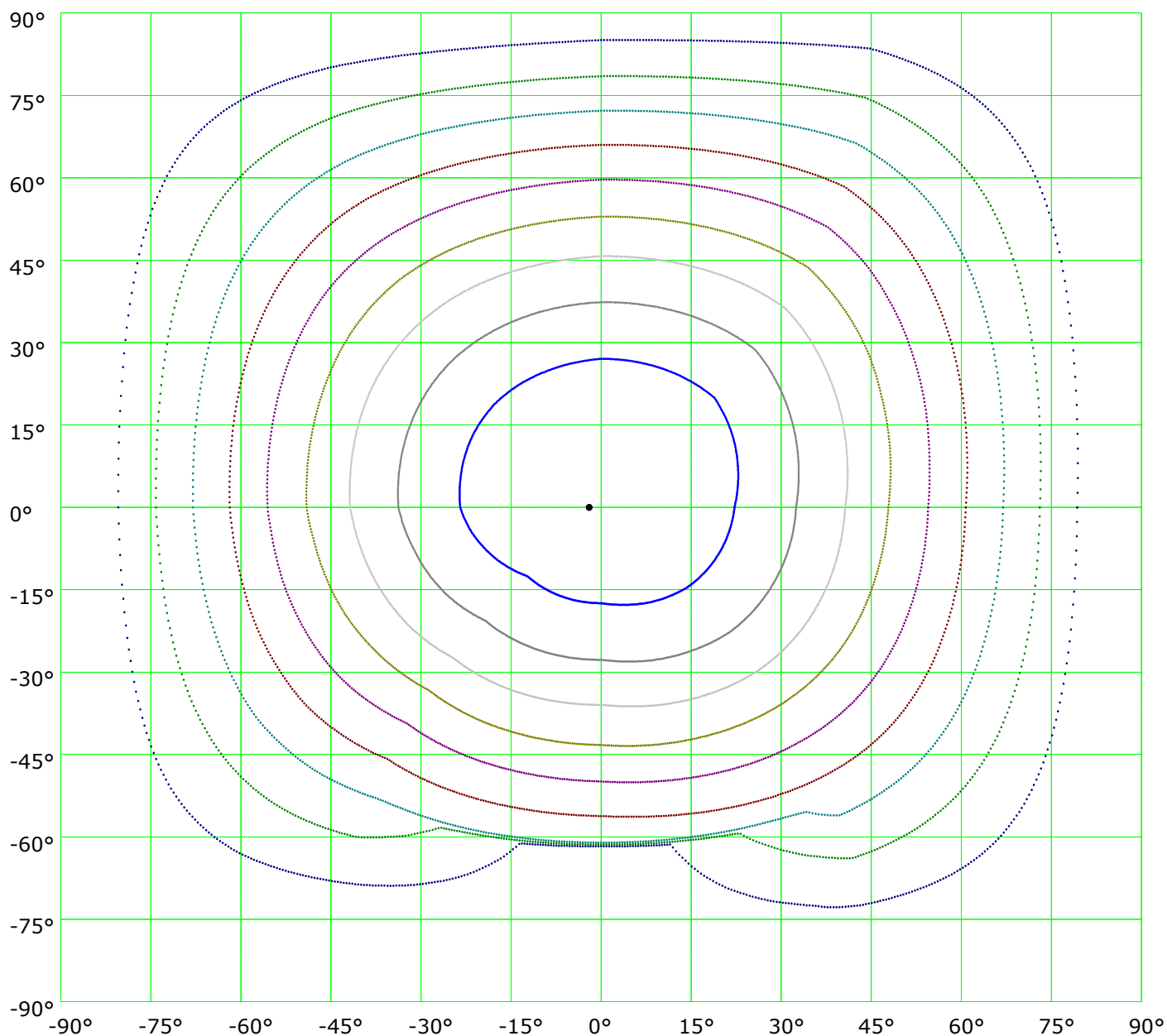




-180° **180°**
Light Distribution Curve (Linear)
(cd) | ?2: —



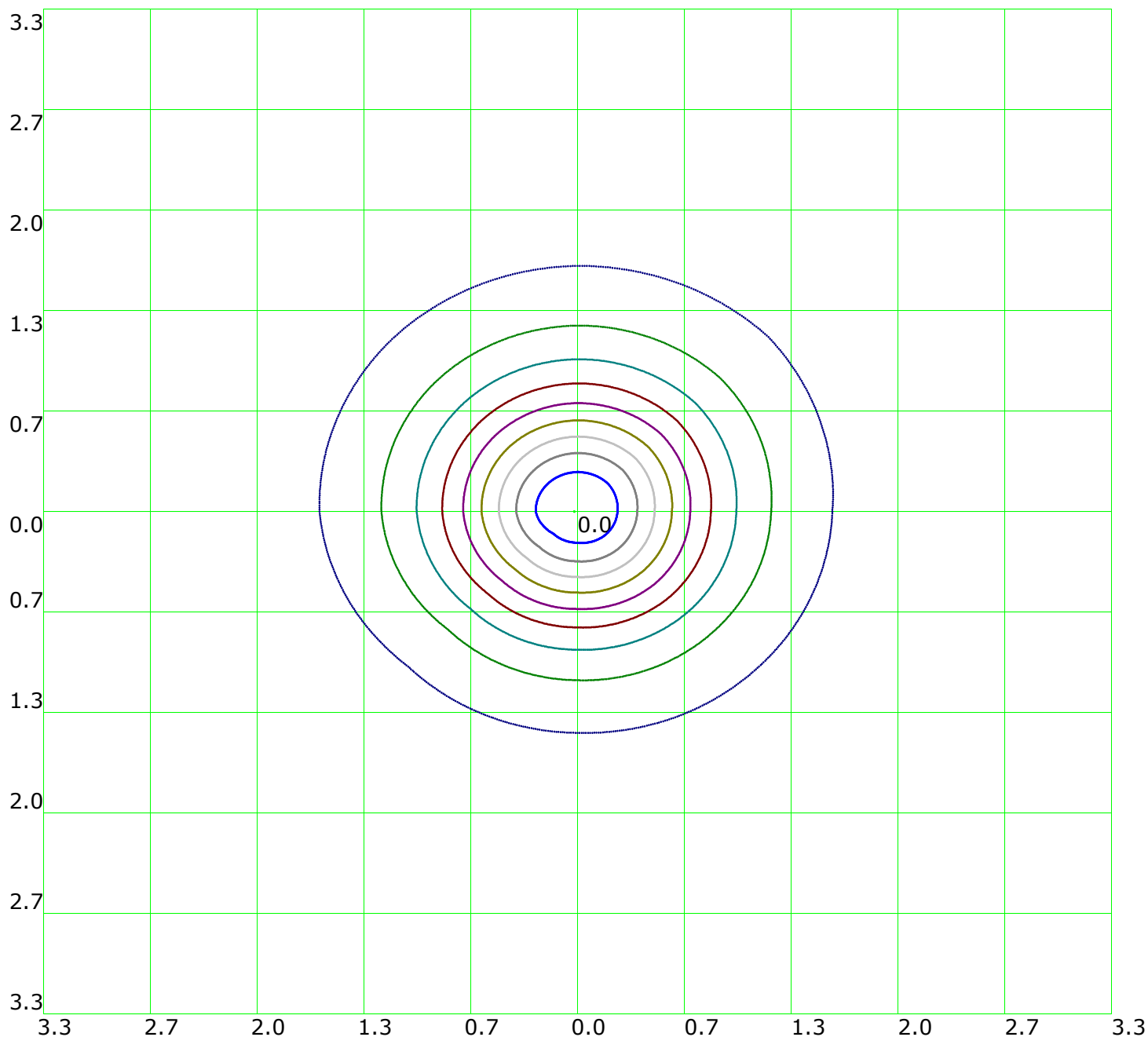
Isocandela(rectangle)



— (10%): 85.6cd	— (20%): 171.1cd	— (30%): 256.7cd	— (40%): 342.2cd
— (50%): 427.8cd	— (60%): 513.4cd	— (70%): 598.9cd	— (80%): 684.5cd
— (90%): 770.cd	— (100%): 855.6cd		



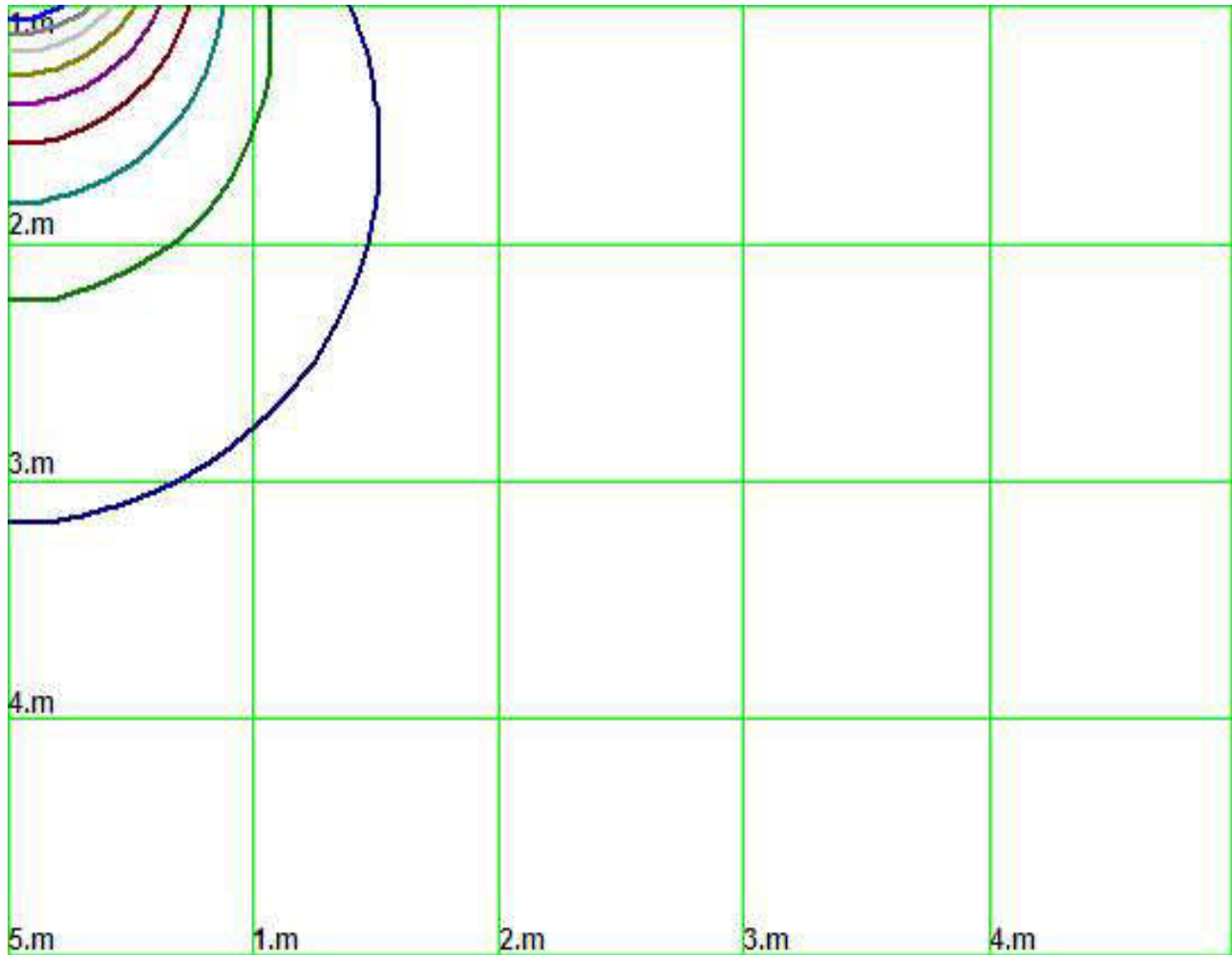
Isolx curve



Height: 1 m

- | | | | |
|------------------|-------------------|------------------|------------------|
| — (10%): 85.6lx | — (20%): 171.1lx | — (30%): 256.7lx | — (40%): 342.2lx |
| — (50%): 427.8lx | — (60%): 513.4lx | — (70%): 598.9lx | — (80%): 684.5lx |
| — (90%): 770.1lx | — (100%): 854.8lx | | |

Space Isolx Curve



— (10%): 85.6lx	— (20%): 171.1lx	— (30%): 256.7lx	— (40%): 342.2lx
— (50%): 427.8lx	— (60%): 513.4lx	— (70%): 598.9lx	— (80%): 684.5lx
— (90%): 770.lx	— (100%): 854.8lx		



Luminance Limiting Curve

Diameter: 230mm

Length: 230mm

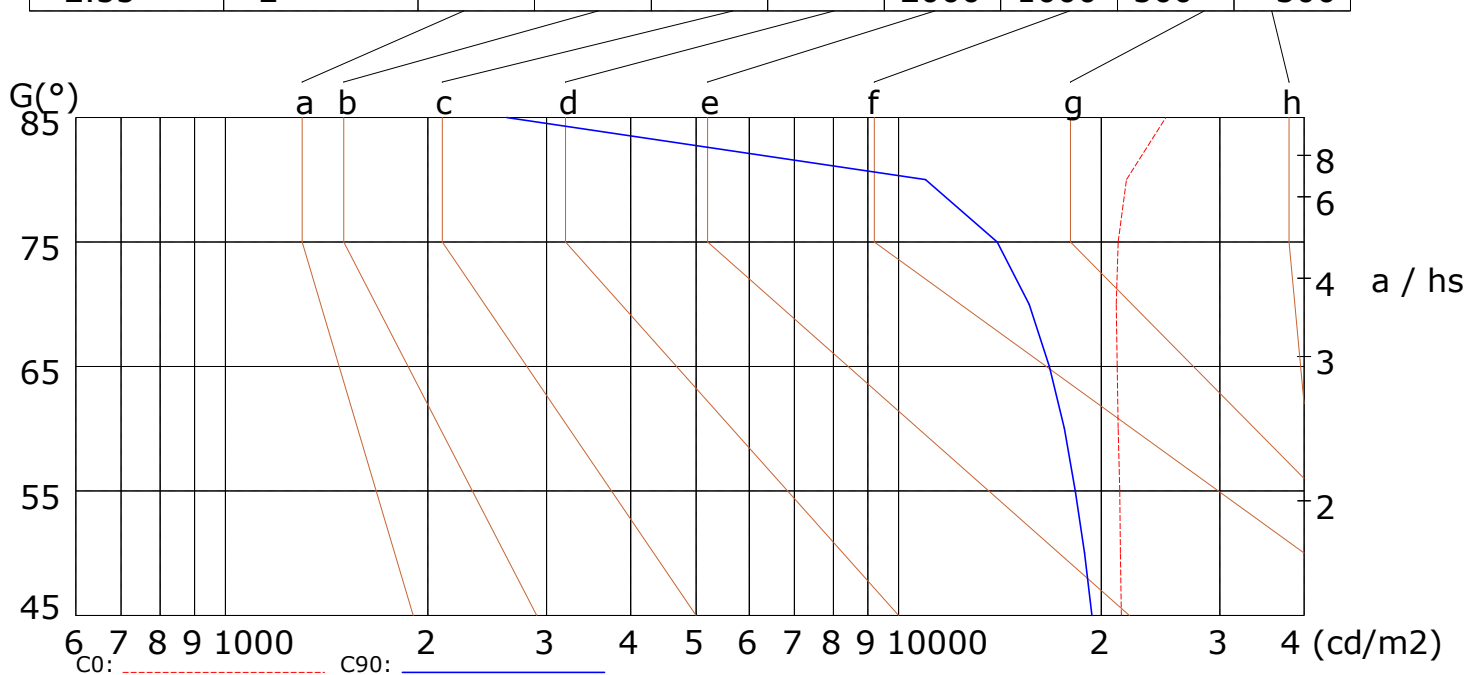
Width: 230mm

Height: 35mm

(cd/m²)

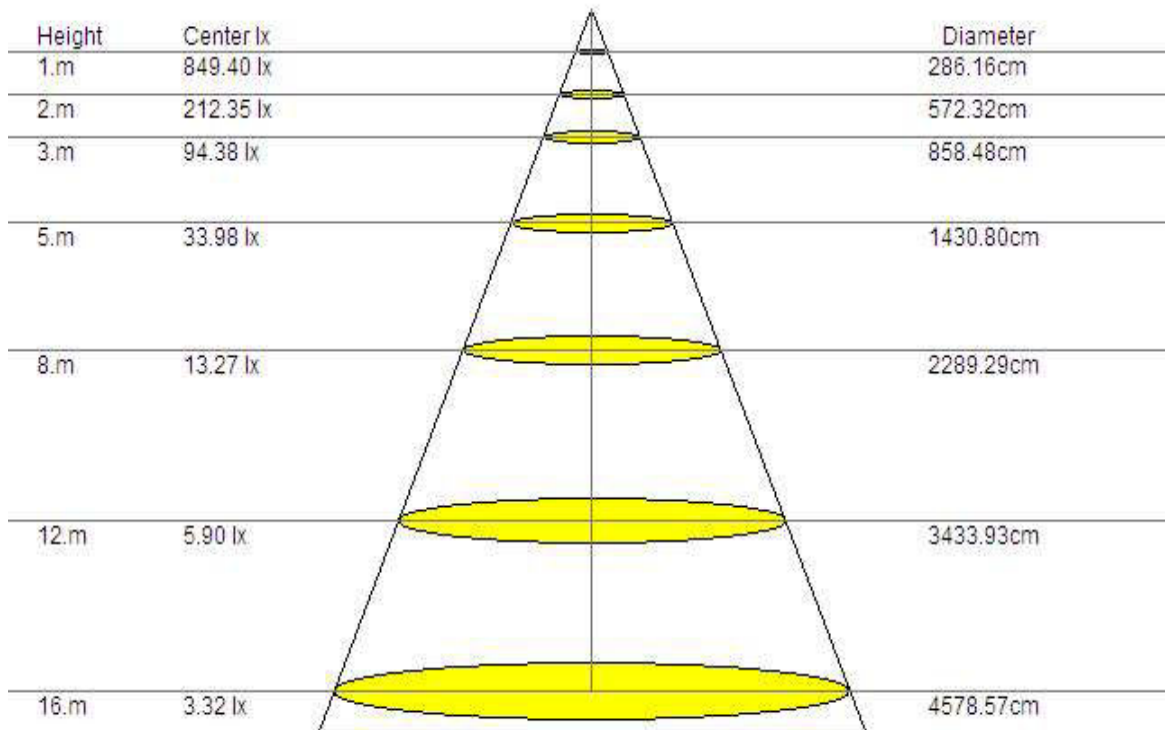
?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	21430	21362	21296	21186	21114	21050	21181	21788	24926
C90	19368	18881	18296	17623	16741	15623	14017	10961	2616

Glare	Quality	Service Values Illuminance (lx)							
		2000	1000	500	=300				
1.15	A								
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: 110.10°(50%Imax)

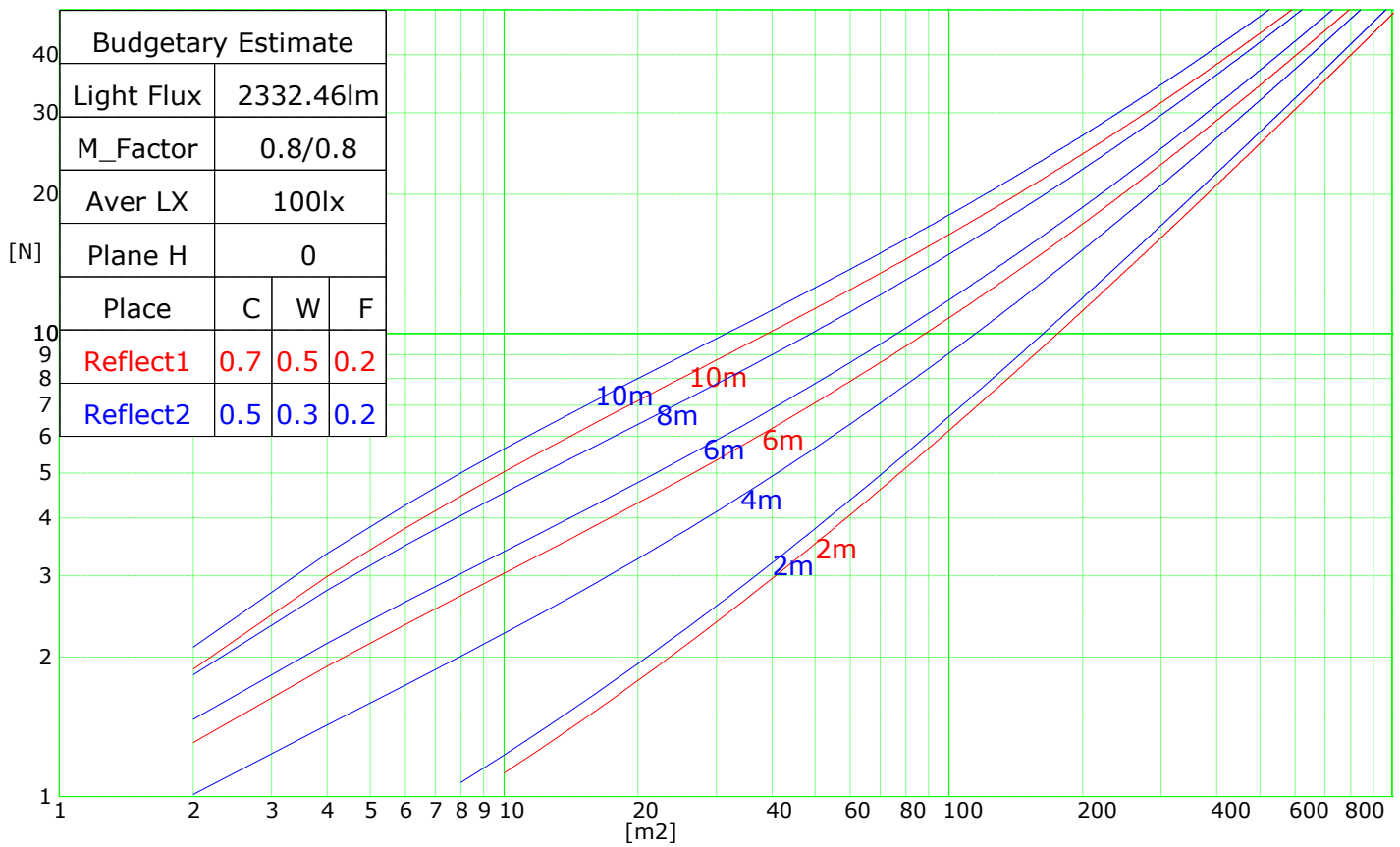


Coefficients of Utilization

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	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	1.05	1.03	1.01	1.03	1.01	1.00	1.00	0.98	0.96	0.95	0.93	0.90	0.89	0.86	0.84	0.79
2	0.89	0.87	0.85	0.88	0.85	0.83	0.86	0.83	0.80	0.83	0.79	0.76	0.78	0.74	0.71	0.66
3	0.76	0.73	0.71	0.76	0.73	0.70	0.75	0.71	0.67	0.73	0.68	0.64	0.70	0.64	0.60	0.56
4	0.66	0.63	0.61	0.66	0.63	0.60	0.66	0.61	0.58	0.65	0.59	0.55	0.63	0.57	0.52	0.48
5	0.58	0.55	0.53	0.58	0.55	0.52	0.59	0.54	0.50	0.58	0.52	0.48	0.57	0.50	0.45	0.41
6	0.51	0.48	0.46	0.52	0.48	0.46	0.52	0.47	0.44	0.52	0.46	0.42	0.51	0.45	0.40	0.36
7	0.45	0.43	0.41	0.46	0.43	0.40	0.47	0.42	0.39	0.47	0.41	0.37	0.47	0.40	0.35	0.32
8	0.41	0.38	0.37	0.42	0.38	0.36	0.43	0.38	0.35	0.43	0.37	0.33	0.43	0.37	0.32	0.28
9	0.37	0.34	0.33	0.38	0.34	0.32	0.39	0.34	0.31	0.40	0.34	0.30	0.40	0.34	0.29	0.26
10	0.34	0.31	0.30	0.35	0.31	0.29	0.36	0.31	0.28	0.37	0.31	0.27	0.37	0.31	0.26	0.23



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 X Y	Weft to light axis direction of observation					Direction of light axis parallel observation					
2H	2H	14.6	16.0	15.0	16.0	16.4	14.6	15.8	14.9	15.9	16.3
	3H	16.3	17.4	16.6	17.8	18.0	16.1	17.3	16.4	17.7	17.9
	4H	17.1	18.0	17.4	18.5	18.8	16.9	17.9	17.3	18.6	18.7
	6H	17.5	18.6	17.9	18.8	19.1	17.5	18.3	17.8	18.9	19.1
	8H	17.9	18.9	18.0	18.9	19.4	17.9	18.8	18.0	19.0	19.3
4H	12H	17.8	18.9	18.2	19.3	19.5	17.7	18.8	18.1	19.2	19.5
	2H	15.8	16.6	15.9	16.7	17.0	15.6	16.5	15.8	16.9	17.1
	3H	17.4	18.4	17.8	18.4	18.8	17.4	18.2	17.6	18.4	18.7
	4H	18.2	19.0	18.5	19.2	19.6	18.1	18.8	18.4	19.2	19.5
	6H	18.8	19.5	19.1	19.7	20.2	18.8	19.3	19.1	19.9	20.0
8H	8H	19.1	19.7	19.5	19.9	20.3	19.0	19.6	19.3	20.0	20.3
	12H	19.2	19.9	19.7	20.1	20.5	19.1	19.8	19.4	20.1	20.5
	4H	18.5	19.1	18.9	19.4	19.8	18.4	19.1	18.8	19.3	20.0
	6H	19.3	19.9	19.8	20.3	20.6	19.3	19.8	19.7	20.2	20.6
	8H	19.7	20.1	20.2	20.5	21.0	19.5	20.1	20.1	20.5	20.9
12H	12H	20.0	20.4	20.3	20.8	21.3	19.9	20.4	20.2	20.8	21.3
	4H	18.6	19.2	19.0	19.6	19.9	18.5	19.0	18.8	19.6	19.8
	6H	19.5	20.0	19.9	20.2	20.7	19.3	19.8	19.8	20.3	20.6
	8H	20.0	20.4	20.4	20.6	21.0	19.8	20.2	20.1	20.6	21.0