

Luminaire Property

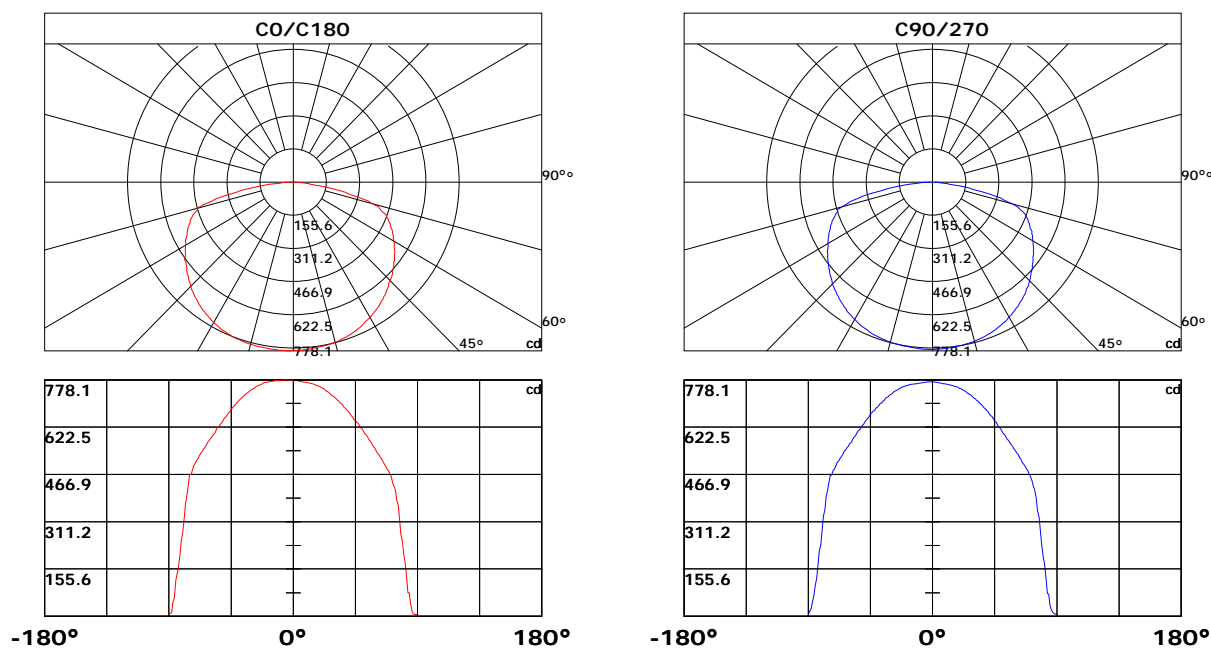
Luminaire Description: GO-36W
 Luminaire Categorie GALAXY ORION
 Lamp Categorie:
 Lamp Description: Samsung 2835
 Number of Lamp: Inner Emitting
 Lamp Lumens(lm): 2774.32
 Luminous Length(m):
 Luminous Width(m):
 Luminous Height(m):

Voltage: 119.1 V
 Current: 0.357 A
 Power: 36.08 W
 Power Factor: 0.902
 Test Lab: *MERCURY LIGHTING
 Photometric Type: Type C

Photometric Results

CIE Class: Direct
 Measurement Flux: 2774.32 lm
 Efficiency: 76.8936 lm/W
 Central Intensity: 772.864cd
 Max. Intensity: 778.147cd
 Field Angle(10%Imax): 170.68, 170.66

Max.Intensity Angle: C:180.0 G:3.0
 Beam Angle(50%Imax): 153.06, 152.24
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: 0.0%
 Downward Ratio: 100.0%



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	772.9	776.4	776.4	775.3	774.6	773.2	772.8	771.8	770.7	770.4
C30.0	772.9	767.9	767.5	766.8	765.8	765.0	763.6	763.3	762.2	761.5
C60.0	772.9	770.0	770.0	769.3	768.9	768.2	767.2	766.1	765.4	764.0
C90.0	772.9	771.1	770.0	769.7	769.3	768.2	767.5	766.1	765.0	764.7
C120.0	772.9	773.2	773.2	772.8	772.5	772.1	771.4	770.4	769.7	768.6
C150.0	772.9	775.0	774.6	774.6	773.9	773.2	772.5	772.1	771.4	771.4
C180.0	772.9	777.4	777.8	778.1	777.4	777.4	777.1	776.7	776.4	775.3
C210.0	772.9	768.6	768.6	768.6	768.2	767.9	767.2	766.5	766.1	765.8
C240.0	772.9	770.0	769.7	769.7	768.9	767.9	767.5	766.5	766.5	766.1
C270.0	772.9	771.8	771.4	771.4	771.1	770.7	769.3	768.9	767.9	767.2
C300.0	772.9	773.2	772.5	771.8	770.7	770.0	769.3	768.2	767.2	766.5
C330.0	772.9	775.0	775.0	773.9	773.2	772.1	771.4	770.7	769.3	768.6
C360.0	772.9	776.4	776.4	775.3	774.6	773.2	772.8	771.8	770.7	770.4
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	769.3	768.6	767.5	766.1	765.4	763.6	762.6	759.4	758.0	756.6
C30.0	760.8	759.7	759.0	758.0	757.6	755.1	755.1	753.0	750.9	749.8
C60.0	762.9	762.6	761.5	760.4	760.1	758.7	758.0	756.2	754.4	753.4
C90.0	764.0	762.9	762.6	761.2	760.1	759.0	757.3	755.5	754.4	751.9
C120.0	768.6	767.5	766.8	766.5	765.4	765.0	763.6	762.9	761.5	759.4
C150.0	771.1	770.7	770.4	769.7	768.9	767.9	767.2	765.4	764.7	762.9
C180.0	775.0	775.3	775.3	775.0	774.6	773.9	773.5	772.5	771.1	770.4
C210.0	765.4	765.4	765.0	764.3	764.0	763.3	762.6	761.5	760.4	759.0
C240.0	765.8	765.0	764.7	764.0	763.3	761.9	761.2	759.7	758.7	756.6
C270.0	766.8	766.1	765.4	765.0	764.3	763.6	762.9	761.9	760.1	758.3
C300.0	766.1	765.0	764.3	763.6	762.6	761.9	760.1	759.0	757.3	755.1
C330.0	767.9	766.8	766.1	765.4	765.0	763.6	762.6	761.9	759.7	759.0
C360.0	769.3	768.6	767.5	766.1	765.4	763.6	762.6	759.4	758.0	756.6
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	753.7	750.5	748.8	745.2	741.3	739.2	735.0	730.7	726.1	723.6
C30.0	747.3	746.3	743.1	739.9	738.1	735.0	731.1	728.9	724.7	720.4
C60.0	751.2	748.4	747.3	745.9	741.0	739.6	735.7	733.5	729.6	729.6
C90.0	749.1	747.7	744.9	743.1	739.6	735.7	733.9	729.6	727.5	722.9
C120.0	758.3	756.2	753.7	752.3	749.5	746.3	744.2	741.0	736.7	735.0
C150.0	760.8	759.4	756.9	755.5	752.3	748.8	747.0	743.5	741.3	737.1
C180.0	768.9	768.9	767.2	763.6	762.2	759.7	758.7	755.1	751.6	749.8
C210.0	756.9	755.8	753.7	752.3	749.5	747.7	744.9	743.1	739.6	735.7
C240.0	754.4	753.0	750.5	747.3	745.9	742.7	738.9	737.1	732.8	730.7
C270.0	757.6	755.1	754.1	751.6	748.8	745.6	743.8	742.0	738.1	734.2
C300.0	753.7	751.2	749.8	746.6	744.9	741.7	737.8	735.7	731.4	728.9
C330.0	756.9	755.5	753.0	749.8	748.4	745.2	743.5	739.9	738.1	733.9
C360.0	753.7	750.5	748.8	745.2	741.3	739.2	735.0	730.7	726.1	723.6

Light intensity data Unit[cd]

C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	721.1	716.2	710.9	708.0	702.7	699.6	693.5	687.5	684.3	678.0
C30.0	718.0	713.0	708.0	705.2	699.6	693.9	691.1	685.0	682.2	675.8
C60.0	723.3	718.7	716.2	711.2	708.8	703.1	697.4	695.0	688.9	685.7
C90.0	717.6	715.5	710.2	707.3	702.0	699.2	693.5	687.2	684.0	678.0
C120.0	732.5	725.8	723.3	718.7	715.8	710.5	704.9	702.4	696.4	693.2
C150.0	730.7	730.7	725.8	720.8	718.3	713.0	707.3	704.5	698.5	692.5
C180.0	745.9	743.8	739.6	735.3	732.5	727.5	725.4	719.7	716.9	711.2
C210.0	733.5	729.3	725.0	722.6	717.6	712.3	709.8	704.2	701.7	695.7
C240.0	726.5	721.9	719.4	713.7	711.2	705.9	700.3	697.4	691.4	688.2
C270.0	730.0	727.5	723.3	720.8	718.3	710.5	708.0	702.4	699.6	693.9
C300.0	724.7	719.7	717.6	712.3	709.8	704.2	698.5	695.7	689.6	683.6
C330.0	729.6	725.0	722.9	718.0	712.7	710.2	704.5	699.2	696.0	690.0
C360.0	721.1	716.2	710.9	708.0	702.7	699.6	693.5	687.5	684.3	678.0
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	674.8	667.3	660.3	656.7	645.7	645.7	638.3	634.4	627.0	619.2
C30.0	669.1	666.3	659.2	656.0	648.9	645.4	634.1	630.2	626.6	618.8
C60.0	679.4	673.4	669.8	663.4	659.5	652.5	645.4	641.8	634.4	626.6
C90.0	674.8	667.7	661.0	657.4	650.0	642.6	638.7	630.9	622.7	618.5
C120.0	687.2	680.8	677.6	670.9	667.7	660.6	657.1	650.0	645.7	645.7
C150.0	689.3	682.9	679.7	673.0	665.2	661.7	654.2	650.7	642.9	635.5
C180.0	705.6	702.7	696.7	690.0	686.8	680.1	672.6	669.5	661.7	654.6
C210.0	689.6	683.3	683.3	673.4	666.6	663.1	656.0	652.5	645.0	637.6
C240.0	682.2	675.5	672.3	665.6	662.4	654.9	647.5	644.0	632.6	632.6
C270.0	687.9	684.7	678.3	675.5	668.8	665.2	657.4	650.3	646.4	639.4
C300.0	680.4	673.7	667.0	663.8	656.4	649.3	645.0	637.2	629.8	626.3
C330.0	684.0	680.8	674.4	670.9	664.2	657.1	653.2	646.1	646.1	634.4
C360.0	674.8	667.3	660.3	656.7	645.7	645.7	638.3	634.4	627.0	619.2
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	615.3	607.5	599.7	595.8	587.7	579.5	575.6	567.5	558.3	554.8
C30.0	614.9	607.2	599.4	595.1	587.3	579.5	575.3	567.5	563.6	555.5
C60.0	618.8	614.9	607.2	599.4	595.5	591.6	583.8	575.6	571.8	563.3
C90.0	611.0	602.9	598.7	590.9	582.7	578.5	570.3	566.1	557.6	549.1
C120.0	630.2	626.3	618.8	611.0	606.8	599.4	591.6	587.7	579.5	571.8
C150.0	631.6	623.8	619.9	612.1	604.3	600.1	592.6	588.7	580.6	576.7
C180.0	650.7	642.6	635.1	630.5	622.7	622.7	610.3	602.2	597.6	589.1
C210.0	633.7	626.3	622.7	615.3	611.4	604.0	596.2	592.3	584.5	580.6
C240.0	625.2	617.1	613.2	601.5	597.6	593.7	586.3	578.1	574.2	565.7
C270.0	631.6	627.7	620.3	612.8	608.6	601.1	593.0	589.1	580.6	572.5
C300.0	618.5	614.6	607.2	603.3	595.5	587.7	583.8	576.0	572.1	563.6
C330.0	630.5	622.7	614.9	611.0	603.3	599.4	591.2	583.4	579.5	571.4
C360.0	615.3	607.5	599.7	595.8	587.7	579.5	575.6	567.5	558.3	554.8

Light intensity data Unit[cd]

C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	545.9	536.7	532.5	523.2	518.6	509.4	499.5	494.6	484.0	478.6
C30.0	543.1	543.1	534.2	525.7	521.5	512.3	502.7	498.1	488.2	477.6
C60.0	555.5	550.5	542.0	537.8	529.3	520.4	515.8	506.6	501.7	491.7
C90.0	544.8	536.3	531.7	522.9	518.6	504.8	500.2	494.6	484.7	479.3
C120.0	567.9	559.7	550.9	546.6	537.8	529.3	524.3	514.8	510.1	499.9
C150.0	568.2	555.5	555.5	546.3	537.4	532.5	522.9	512.6	507.3	495.6
C180.0	584.8	576.4	572.1	563.3	554.8	550.2	542.0	537.4	528.2	518.6
C210.0	571.8	563.3	559.0	550.5	546.3	537.4	528.2	523.6	513.7	502.7
C240.0	557.2	553.0	544.5	540.2	531.0	521.8	516.9	506.6	500.9	488.6
C270.0	568.2	559.7	555.5	547.0	542.4	533.2	524.7	520.1	510.9	505.9
C300.0	555.1	550.9	541.7	537.4	527.9	518.3	513.3	504.1	499.2	488.6
C330.0	567.5	559.0	554.8	545.9	537.1	528.2	523.6	514.4	504.5	499.2
C360.0	545.9	536.7	532.5	523.2	518.6	509.4	499.5	494.6	484.0	478.6
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	466.6	459.9	436.5	426.6	415.3	383.8	363.2	318.0	269.0	246.2
C30.0	471.9	459.5	453.2	437.9	429.1	409.6	378.5	357.9	314.4	291.9
C60.0	486.8	476.2	464.8	458.8	444.7	428.0	417.7	391.6	353.0	331.5
C90.0	467.7	460.9	446.4	428.4	417.4	388.7	348.0	326.1	281.7	237.2
C120.0	488.9	482.5	469.4	462.0	444.3	433.7	406.4	366.4	344.4	297.9
C150.0	482.2	474.4	457.0	434.0	419.2	377.7	354.4	306.6	259.0	236.1
C180.0	513.7	502.4	496.0	482.5	467.0	467.0	432.6	394.0	370.3	321.3
C210.0	496.7	483.6	468.0	458.8	437.6	407.1	385.5	362.5	288.0	264.6
C240.0	474.4	466.6	447.8	436.9	408.5	366.8	320.1	296.3	272.5	226.1
C270.0	495.6	484.7	478.3	464.5	464.5	437.9	413.1	395.8	352.2	328.7
C300.0	476.9	470.5	456.3	439.0	428.4	400.8	359.7	336.9	290.1	244.0
C330.0	488.9	477.9	471.9	458.5	451.0	433.0	409.3	393.7	352.9	330.2
C360.0	466.6	459.9	436.5	426.6	415.3	383.8	363.2	318.0	269.0	246.2
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	202.3	180.9	139.3	77.3	77.3	44.8	16.0	7.5	6.2	5.0
C30.0	247.6	204.3	183.1	141.8	122.0	76.3	50.1	28.0	16.7	10.5
C60.0	285.2	241.4	219.8	177.5	138.1	117.9	79.9	47.8	11.3	9.1
C90.0	194.1	172.9	131.6	75.4	73.0	36.4	22.1	13.1	9.2	8.1
C120.0	275.4	230.0	208.2	165.3	125.1	105.1	64.2	48.5	27.4	20.6
C150.0	189.4	167.7	125.7	75.2	65.9	30.6	15.3	10.3	8.8	7.3
C180.0	273.0	249.6	204.4	160.9	140.4	119.2	59.4	47.9	12.9	10.3
C210.0	219.2	196.9	175.4	132.9	112.3	53.4	46.7	26.4	16.7	15.0
C240.0	204.2	160.6	118.9	77.6	58.6	23.8	9.9	7.0	6.6	6.2
C270.0	281.9	235.3	212.8	166.2	124.2	103.8	65.7	47.8	26.1	15.7
C300.0	221.7	178.2	154.4	112.7	73.2	57.7	25.5	7.4	5.7	5.5
C330.0	284.6	239.0	216.7	195.1	152.7	111.5	73.5	47.2	14.9	10.8
C360.0	202.3	180.9	139.3	77.3	77.3	44.8	16.0	7.5	6.2	5.0

Light intensity data Unit[cd]

C\G	G90.0									
C0.0	6.7									
C30.0	4.3									
C60.0	6.9									
C90.0	6.9									
C120.0	13.7									
C150.0	13.7									
C180.0	7.7									
C210.0	13.3									
C240.0	13.3									
C270.0	5.2									
C300.0	5.2									
C330.0	6.7									
C360.0	6.7									

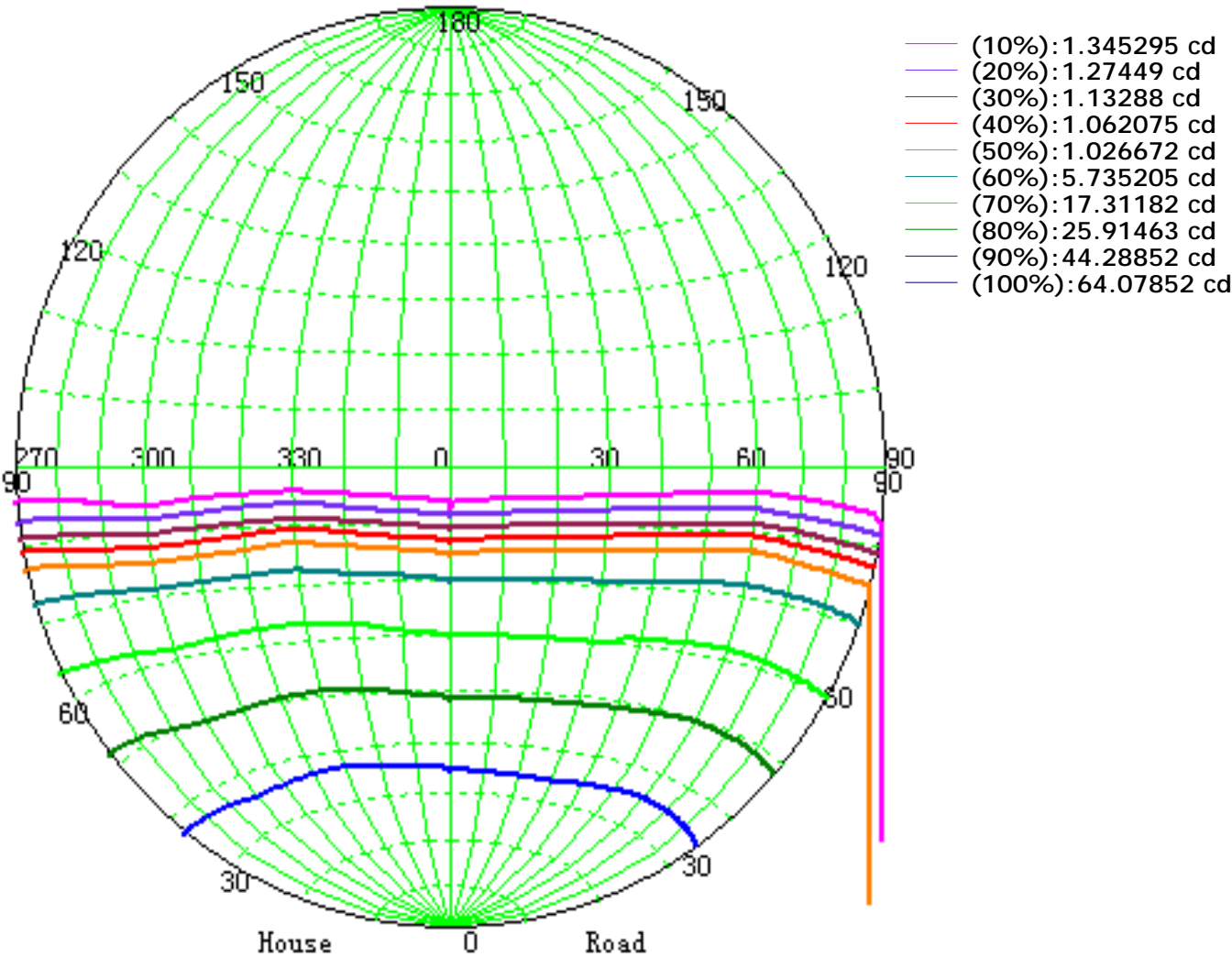
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	772.86	0.00	0.00	0.00	0.00
0.0-1.0	772.45	0.74	0.74	0.02	0.02
1.0-2.0	772.22	2.22	2.96	0.07	0.09
2.0-3.0	771.83	3.69	6.65	0.12	0.21
3.0-4.0	771.21	5.17	11.81	0.16	0.38
4.0-5.0	770.51	6.63	18.45	0.21	0.59
5.0-6.0	769.74	8.09	26.54	0.26	0.84
6.0-7.0	768.94	9.55	36.09	0.30	1.15
7.0-8.0	768.15	11.00	47.09	0.35	1.50
8.0-9.0	767.50	12.45	59.54	0.40	1.89
9.0-10.0	766.97	13.89	73.42	0.44	2.33
10.0-11.0	766.32	15.32	88.74	0.49	2.82
11.0-12.0	765.73	16.75	105.49	0.53	3.35
12.0-13.0	764.93	18.17	123.66	0.58	3.93
13.0-14.0	764.28	19.57	143.23	0.62	4.55
14.0-15.0	763.13	20.97	164.20	0.67	5.21
15.0-16.0	762.22	22.35	186.55	0.71	5.92
16.0-17.0	760.74	23.72	210.27	0.75	6.68
17.0-18.0	759.27	25.06	235.33	0.80	7.47
18.0-19.0	757.70	26.39	261.72	0.84	8.31
19.0-20.0	755.75	27.70	289.42	0.88	9.19
20.0-21.0	754.01	28.99	318.41	0.92	10.11
21.0-22.0	751.92	30.26	348.67	0.96	11.07
22.0-23.0	749.44	31.50	380.18	1.00	12.07
23.0-24.0	746.79	32.71	412.89	1.04	13.11
24.0-25.0	743.92	33.90	446.79	1.08	14.19
25.0-26.0	741.18	35.06	481.84	1.11	15.30
26.0-27.0	738.35	36.20	518.04	1.15	16.45
27.0-28.0	734.81	37.30	555.34	1.18	17.63
28.0-29.0	731.83	38.37	593.71	1.22	18.85
29.0-30.0	727.79	39.41	633.12	1.25	20.10
30.0-31.0	723.92	40.40	673.52	1.28	21.39
31.0-32.0	720.18	41.37	714.89	1.31	22.70
32.0-33.0	716.16	42.32	757.20	1.34	24.04
33.0-34.0	712.45	43.23	800.44	1.37	25.42
34.0-35.0	707.49	44.10	844.53	1.40	26.82
35.0-36.0	702.86	44.91	889.44	1.43	28.24
36.0-37.0	698.34	45.70	935.14	1.45	29.69
37.0-38.0	694.12	46.48	981.62	1.48	31.17
38.0-39.0	688.81	47.20	1028.82	1.50	32.67
39.0-40.0	683.68	47.87	1076.69	1.52	34.19

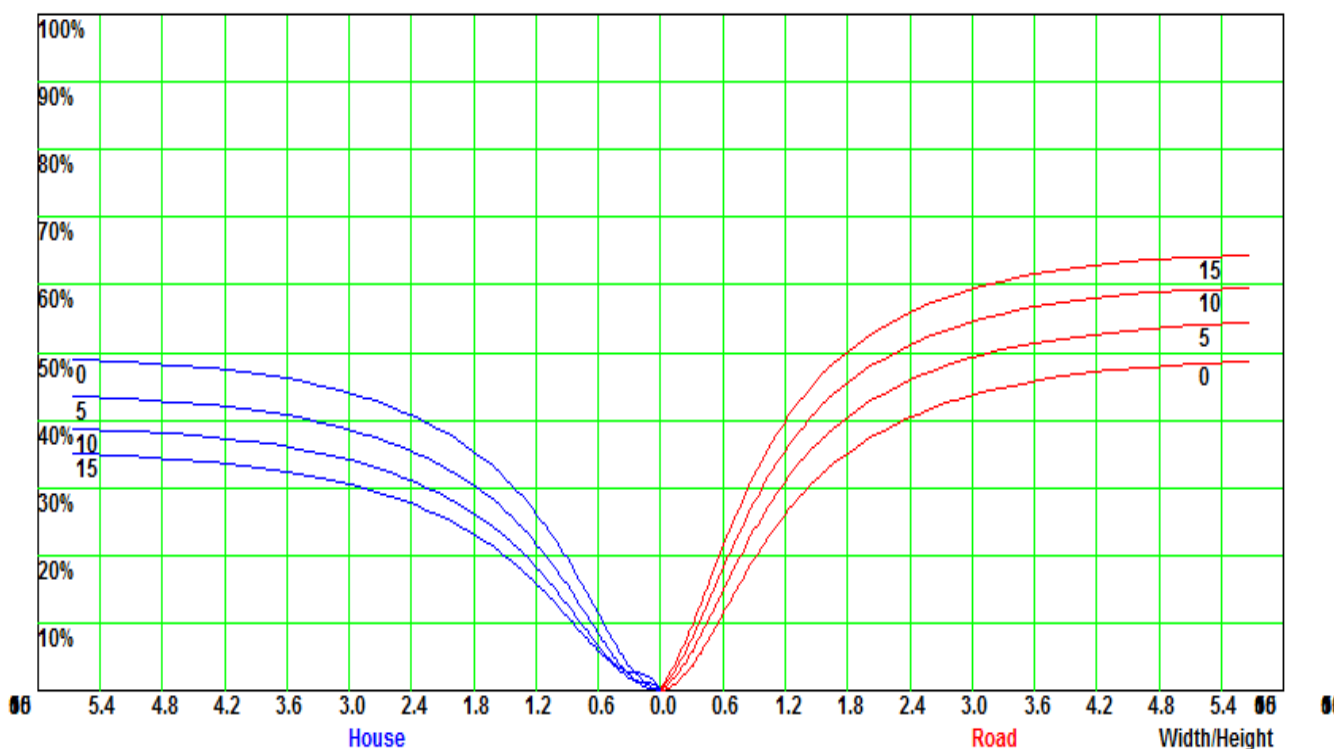
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	678.25	48.50	1125.19	1.54	35.73
41.0-42.0	673.30	49.10	1174.29	1.56	37.29
42.0-43.0	668.05	49.69	1223.98	1.58	38.86
43.0-44.0	661.85	50.19	1274.17	1.59	40.46
44.0-45.0	656.51	50.67	1324.84	1.61	42.07
45.0-46.0	649.96	51.09	1375.93	1.62	43.69
46.0-47.0	644.80	51.50	1427.43	1.64	45.32
47.0-48.0	638.43	51.87	1479.30	1.65	46.97
48.0-49.0	632.44	52.19	1531.49	1.66	48.63
49.0-50.0	626.00	52.47	1583.96	1.67	50.29
50.0-51.0	619.46	52.69	1636.65	1.67	51.97
51.0-52.0	613.08	52.89	1689.54	1.68	53.65
52.0-53.0	606.56	53.05	1742.60	1.68	55.33
53.0-54.0	600.28	53.19	1795.79	1.69	57.02
54.0-55.0	594.76	53.34	1849.13	1.69	58.71
55.0-56.0	587.50	53.42	1902.56	1.70	60.41
56.0-57.0	581.19	53.44	1955.99	1.70	62.11
57.0-58.0	575.00	53.47	2009.46	1.70	63.81
58.0-59.0	567.83	53.43	2062.89	1.70	65.50
59.0-60.0	560.83	53.32	2116.21	1.69	67.20
60.0-61.0	553.67	53.19	2169.40	1.69	68.88
61.0-62.0	547.85	53.08	2222.47	1.69	70.57
62.0-63.0	540.57	52.94	2275.41	1.68	72.25
63.0-64.0	533.55	52.71	2328.11	1.67	73.92
64.0-65.0	524.81	52.38	2380.49	1.66	75.59
65.0-66.0	517.85	52.02	2432.51	1.65	77.24
66.0-67.0	510.62	51.71	2484.23	1.64	78.88
67.0-68.0	502.77	51.34	2535.56	1.63	80.51
68.0-69.0	493.86	50.84	2586.41	1.61	82.13
69.0-70.0	484.19	50.23	2636.64	1.59	83.72
70.0-71.0	474.92	49.57	2686.21	1.57	85.29
71.0-72.0	462.15	48.73	2734.94	1.55	86.84
72.0-73.0	448.99	47.65	2782.58	1.51	88.35
73.0-74.0	435.57	46.50	2829.09	1.48	89.83
74.0-75.0	411.17	44.74	2873.83	1.42	91.25
75.0-76.0	382.38	42.12	2915.95	1.34	92.59
76.0-77.0	353.82	39.25	2955.20	1.25	93.84
77.0-78.0	312.30	35.66	2990.86	1.13	94.97
78.0-79.0	279.64	31.80	3022.66	1.01	95.98
79.0-80.0	239.89	28.01	3050.67	0.89	96.87
80.0-81.0	204.74	24.04	3074.72	0.76	97.63

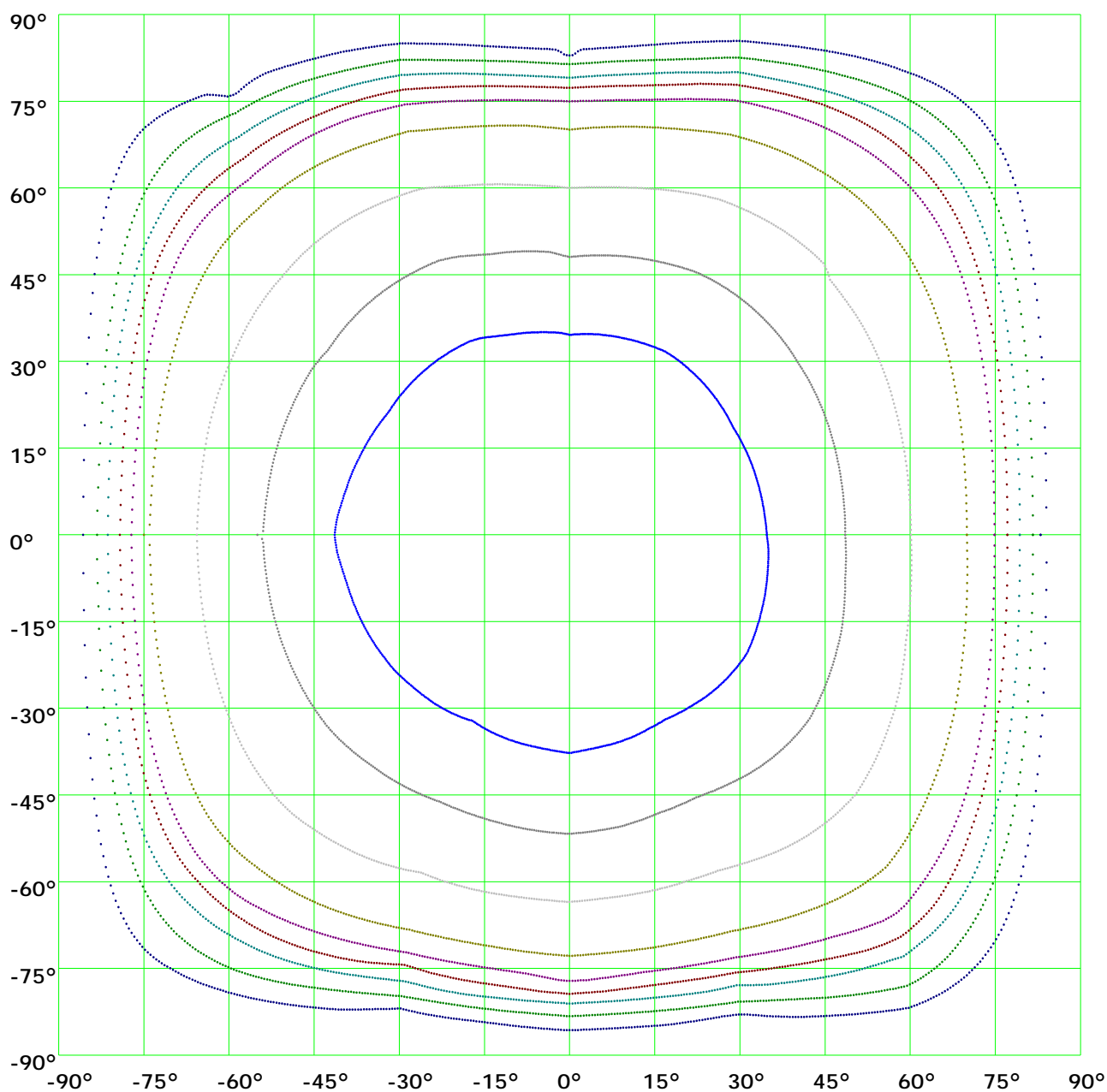
Iso-Candela [cd]



Coefficient Utilization Curve

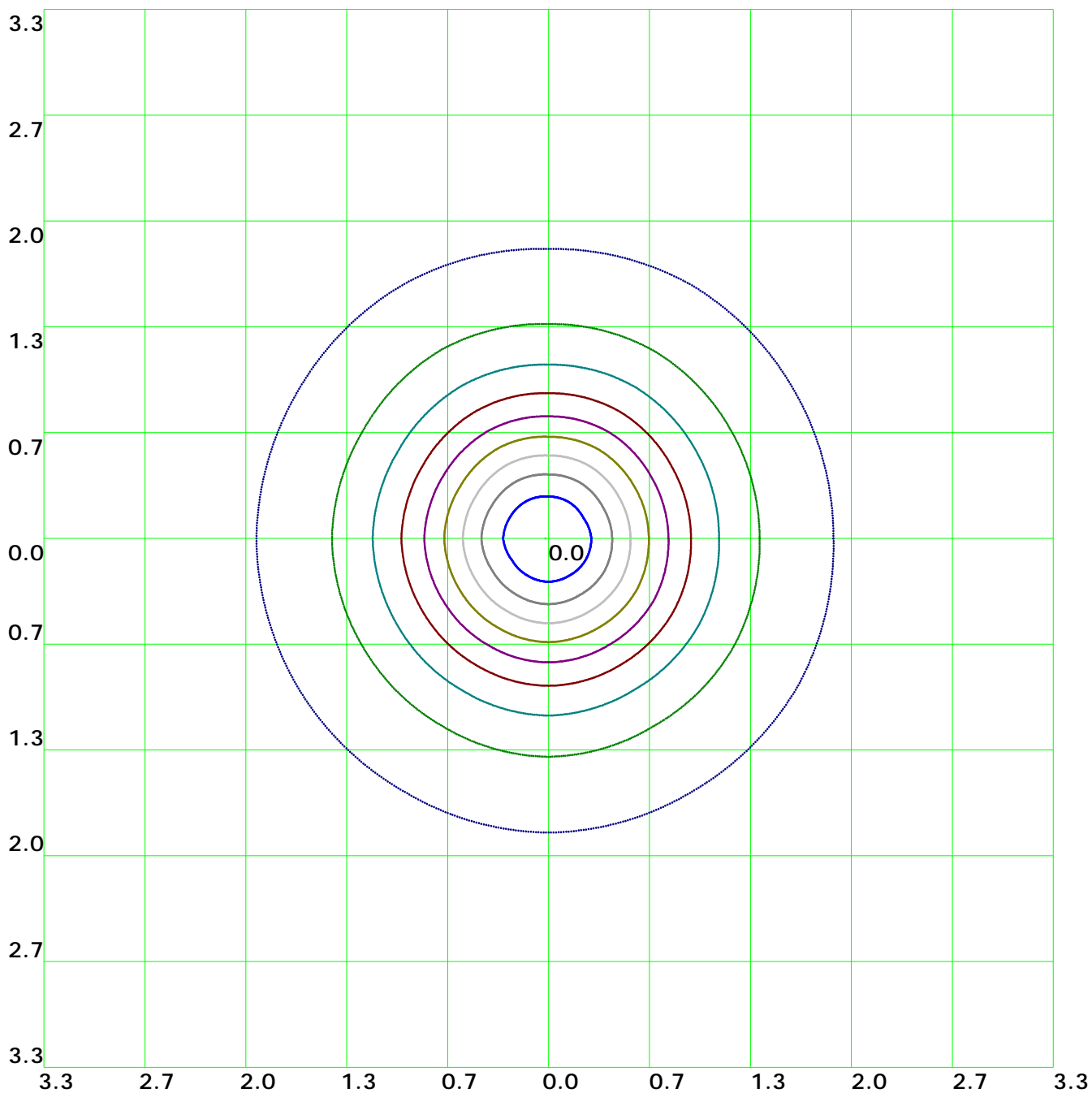


Isocandela(rectangle)



— (10%): 77.8cd	— (20%): 155.6cd	— (30%): 233.4cd	— (40%): 311.3cd
— (50%): 389.1cd	— (60%): 466.9cd	— (70%): 544.7cd	— (80%): 622.5cd
— (90%): 700.3cd	— (100%): 778.1cd		

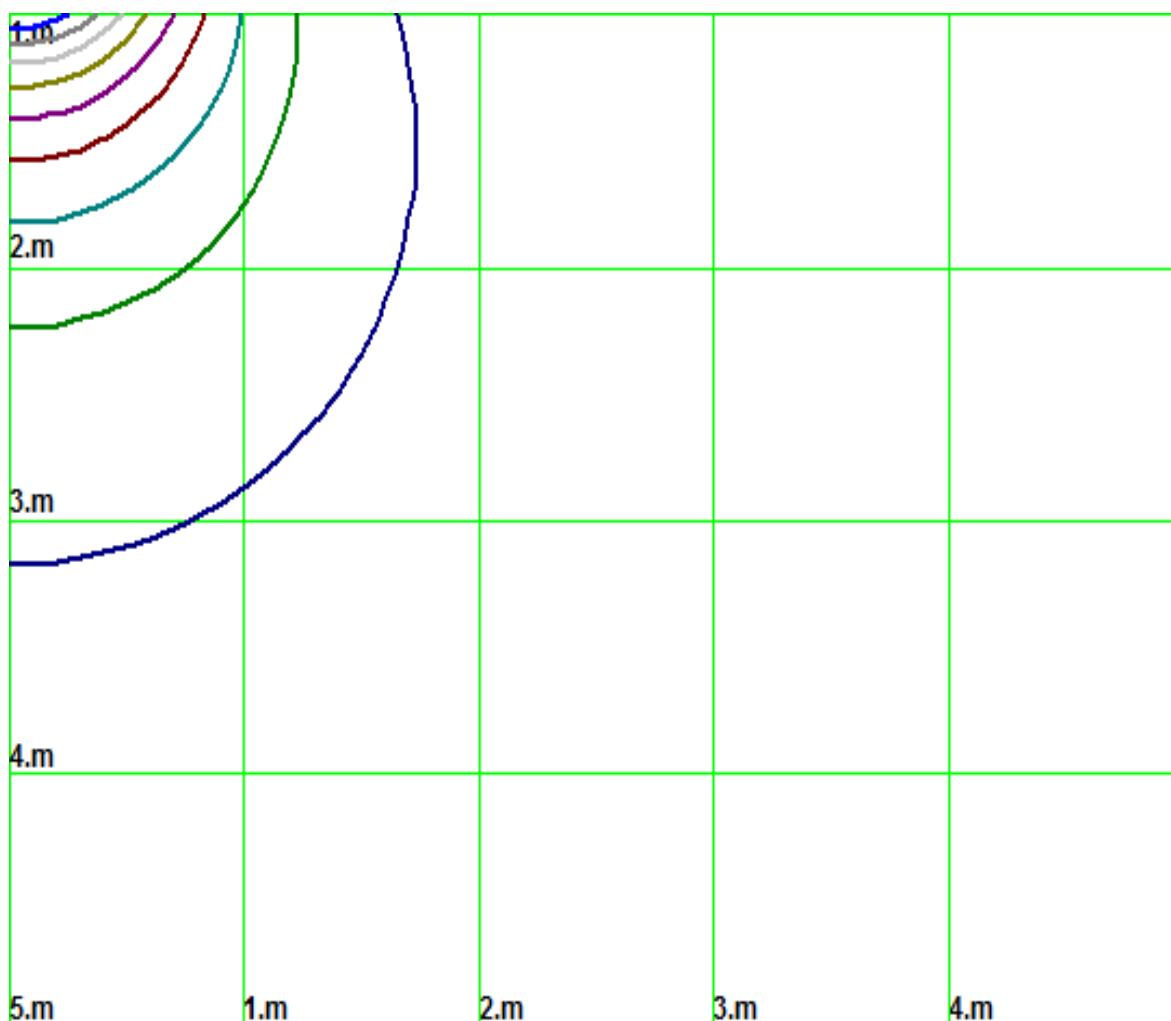
Isolx curve



Height: 1 m

- (10%): 77.8lx — (20%): 155.6lx — (30%): 233.4lx — (40%): 311.3lx
- (50%): 389.1lx — (60%): 466.9lx — (70%): 544.7lx — (80%): 622.5lx
- (90%): 700.3lx — (100%): 777.4lx

Space Isolx Curve



- (10%): 77.8lx — (20%): 155.6lx — (30%): 233.4lx — (40%): 311.3lx
- (50%): 389.1lx — (60%): 466.9lx — (70%): 544.7lx — (80%): 622.5lx
- (90%): 700.3lx — (100%): 777.4lx

Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

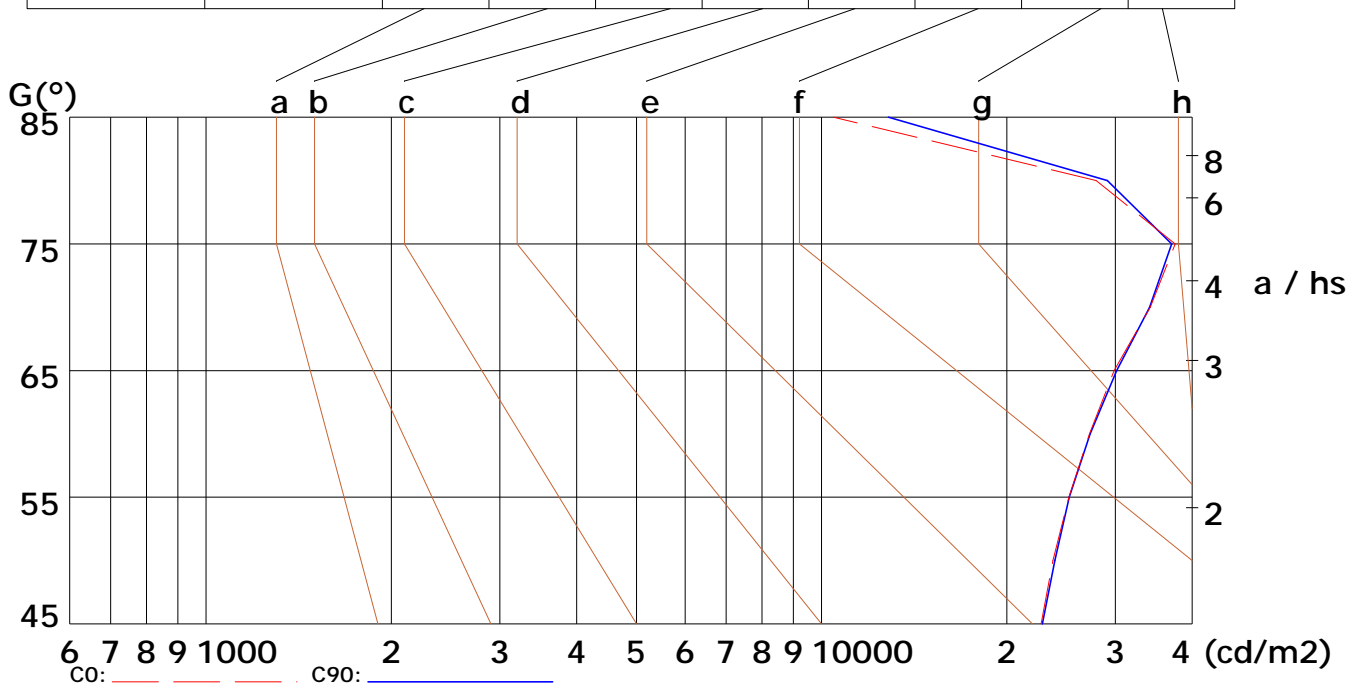
Width: 0mm

Height: 0mm

(cd/m²)

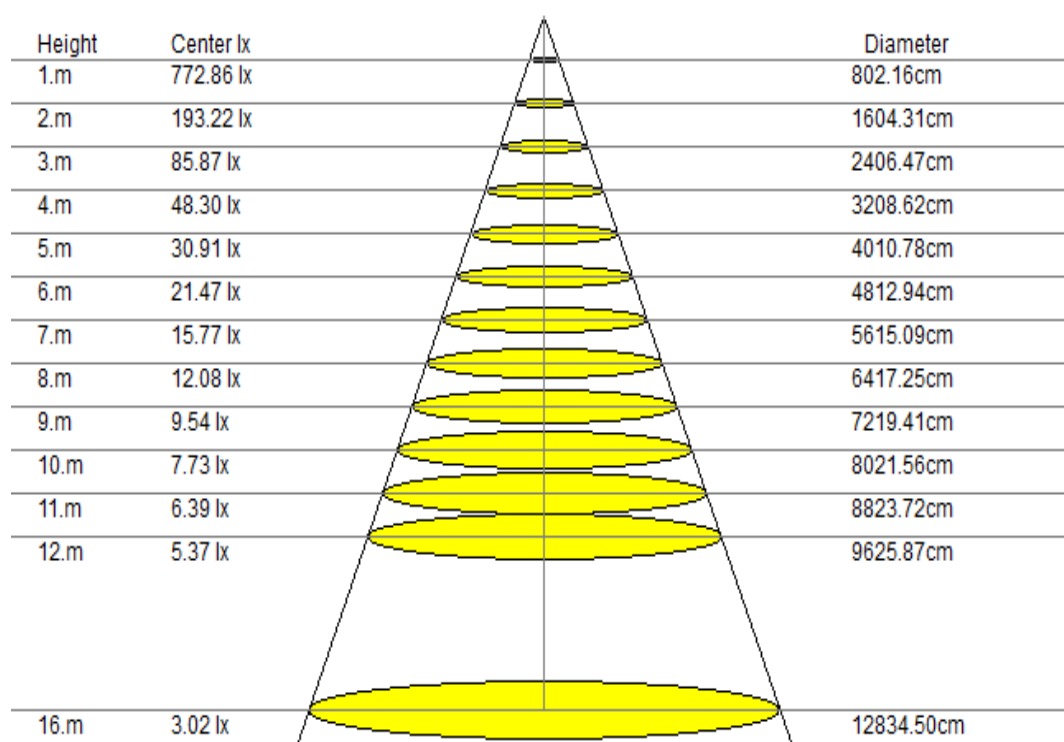
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	22718	23766	25214	27242	29864	34184	37547	27941	10449
C90	22830	23931	25260	27295	30136	34107	37069	29129	12846

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

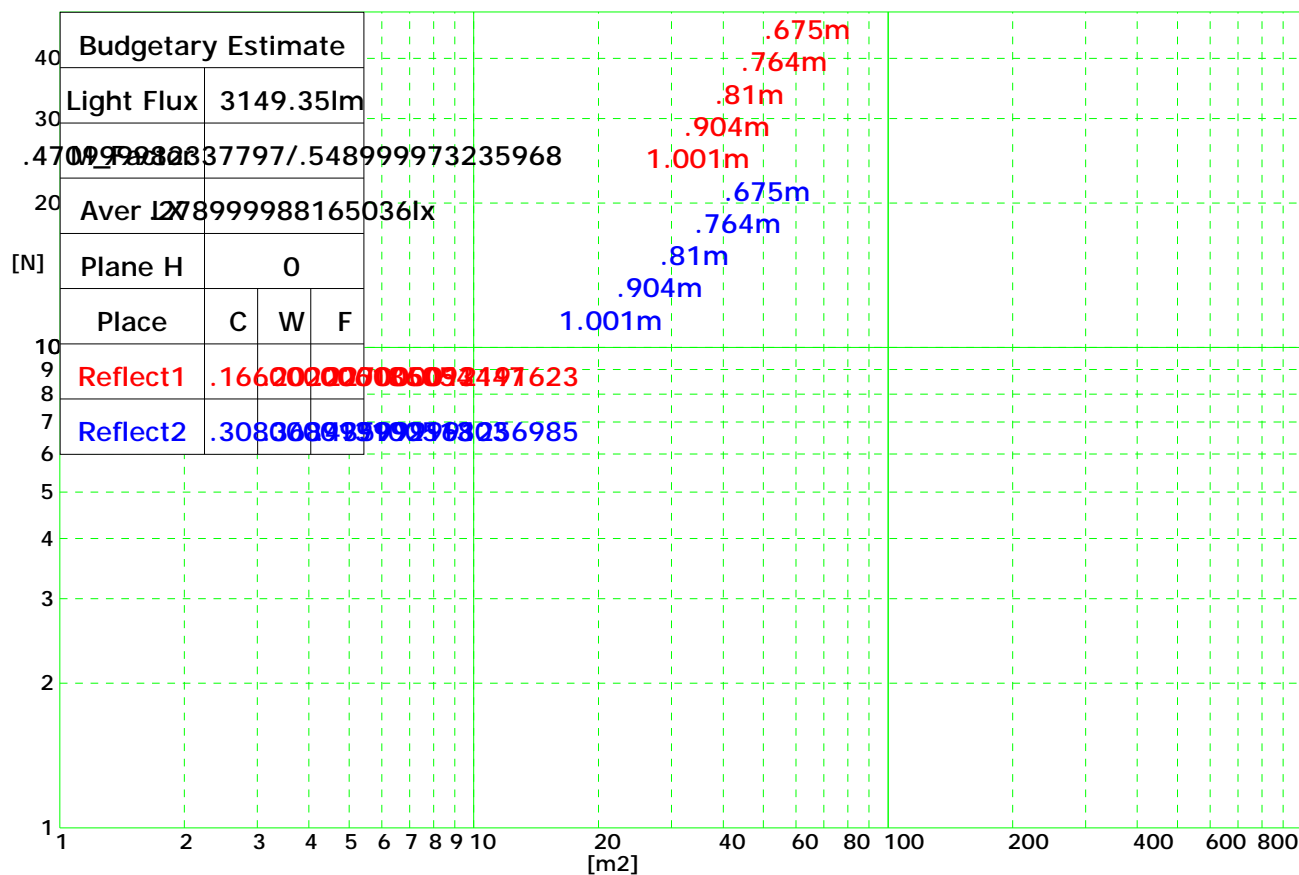


Beam Angle: 152.00° (50%Imax)

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	1.00	0.98	0.96	0.99	0.96	0.94	0.96	0.93	0.90	0.91	0.88	0.86	0.85	0.82	0.79	0.74
2	0.81	0.78	0.76	0.81	0.77	0.75	0.80	0.75	0.72	0.77	0.72	0.68	0.73	0.68	0.64	0.59
3	0.67	0.64	0.62	0.68	0.63	0.60	0.67	0.62	0.58	0.66	0.60	0.55	0.63	0.57	0.52	0.48
4	0.57	0.53	0.51	0.57	0.53	0.50	0.58	0.52	0.48	0.57	0.51	0.46	0.56	0.49	0.44	0.39
5	0.48	0.45	0.43	0.49	0.45	0.42	0.51	0.45	0.41	0.51	0.44	0.39	0.50	0.43	0.37	0.33
6	0.42	0.39	0.37	0.43	0.39	0.36	0.45	0.39	0.35	0.45	0.39	0.34	0.45	0.38	0.32	0.29
7	0.37	0.34	0.32	0.38	0.34	0.32	0.40	0.34	0.31	0.41	0.34	0.29	0.41	0.34	0.28	0.25
8	0.33	0.30	0.28	0.34	0.30	0.28	0.36	0.31	0.27	0.37	0.31	0.26	0.38	0.30	0.25	0.22
9	0.29	0.27	0.25	0.31	0.27	0.25	0.33	0.28	0.24	0.34	0.28	0.23	0.35	0.28	0.22	0.19
10	0.27	0.24	0.23	0.28	0.24	0.22	0.30	0.25	0.22	0.31	0.25	0.21	0.32	0.25	0.20	0.17

Indoor Budgetary Estimate Chart



UGR

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	Left to light axis direction of observation					Direction of light axis parallel observation					
X	Y										
2H	2H	16.3	17.7	16.6	17.7	18.2	16.1	17.6	16.6	17.8	18.2
	3H	18.1	19.3	18.4	19.7	20.0	18.0	19.2	18.4	19.7	19.8
	4H	18.7	19.9	19.2	20.7	20.9	18.8	20.0	19.1	20.7	20.9
	6H	19.5	20.5	20.0	20.9	21.0	19.3	20.4	19.9	21.0	21.2
	8H	19.9	20.9	20.0	21.0	21.5	19.8	20.9	20.0	21.1	21.5
4H	12H	19.7	20.9	20.2	21.4	21.7	19.7	20.7	20.0	21.4	21.7
	2H	17.4	18.5	17.4	18.6	18.9	17.4	18.4	17.5	18.6	18.9
	3H	19.3	20.3	19.6	20.4	20.9	19.2	20.2	19.5	20.5	20.8
	4H	20.0	21.1	20.5	21.3	21.6	20.1	21.0	20.4	21.2	21.6
	6H	20.7	21.6	21.2	22.0	22.3	20.8	21.5	21.2	21.8	22.3
8H	8H	21.1	21.8	21.6	22.2	22.5	21.1	21.7	21.3	22.2	22.5
	12H	21.3	21.9	21.8	22.3	22.7	21.2	21.9	21.7	22.3	22.7
	4H	20.6	21.2	20.9	21.5	22.1	20.3	21.2	20.9	21.6	22.1
	6H	21.4	22.1	21.9	22.5	22.9	21.3	21.9	21.9	22.5	22.8
	8H	21.7	22.3	22.3	22.8	23.3	21.8	22.3	22.3	22.7	23.2
12H	12H	22.2	22.7	22.7	23.0	23.6	22.1	22.5	22.6	23.0	23.5
	4H	20.6	21.3	20.9	21.6	22.1	20.4	21.1	20.9	21.6	22.1
	6H	21.7	22.1	22.0	22.5	22.9	21.5	22.1	22.0	22.4	22.9
	8H	22.0	22.6	22.6	22.9	23.4	21.8	22.4	22.4	22.8	23.4