



Luminaire Property

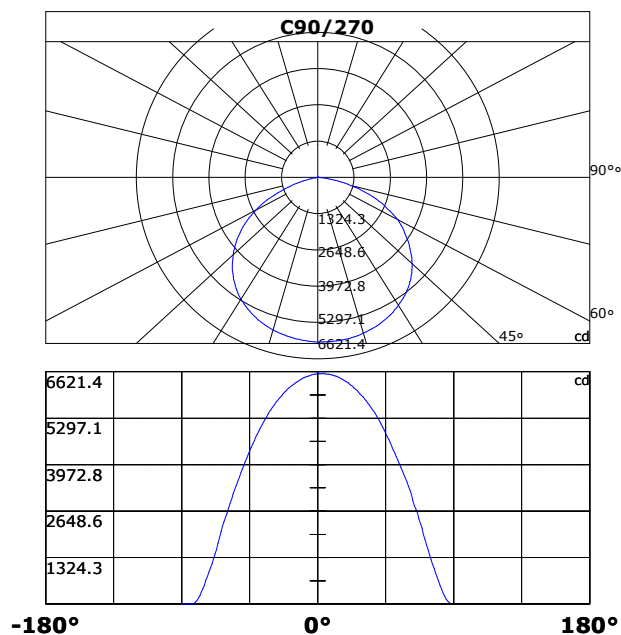
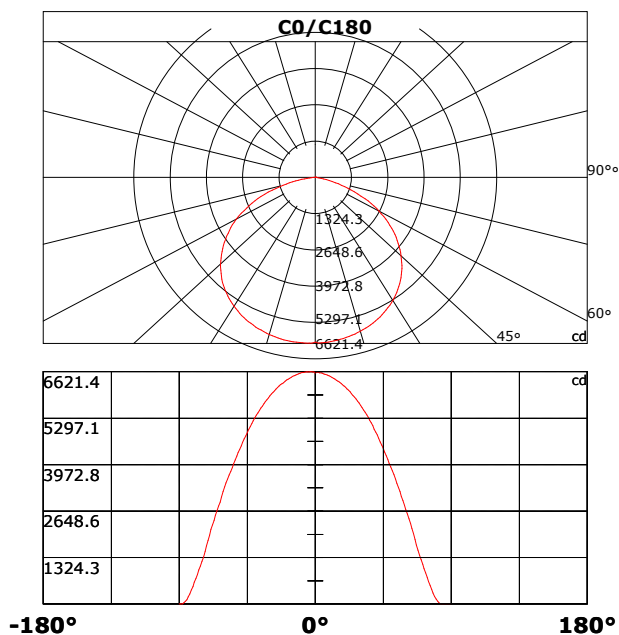
Luminaire Description: B8115-2
Luminaire Categorie: LED HIGHBAY UFO 150W
Lamp Categorie:
Lamp Description: BLANCO FRIO 5000K
Number of Lamp: 1
Lamp Lumens(lm): NA
Luminous Length(m): 0.34
Luminous Width(m): 0.0
Luminous Height(m): 0.169

Voltage: 232.5 V
Current: 0.679 A
Power: 149.36 W
Power Factor: 0.945
Test Lab: BLED
Photometric Type: Type C
Manufactory: B-LED

Photometric Results

CIE Class: Direct
Effective Luminous Flux: 18534.61 lm
Efficiency: 125.8009 lm/W
Central Intensity: 6580.215cd
Max. Intensity: 6621.395cd
Field Angle(10%Imax): NA

Max.Intensity Angle: C:180.0 G:3.0
Beam Angle(50%Imax): L: -57.2 R:58.1
Luminaire Efficacy Rating(LER) : 100.00%
Upward Ratio: NA
Downward Ratio: NA
Beamwidth(50%Imax): H=120.81V=120.49





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	6580.2	6611.5	6607.1	6592.8	6587.9	6571.9	6558.4	6542.2	6523.2	6510.9
C45.0	6580.2	6540.6	6539.2	6539.8	6538.4	6539.8	6531.8	6526.8	6516.9	6508.7
C90.0	6580.2	6564.2	6564.8	6567.5	6563.1	6561.5	6559.2	6554.8	6546.6	6537.3
C135.0	6580.2	6591.1	6593.6	6587.3	6591.1	6590.6	6581.5	6576.3	6568.0	6558.2
C180.0	6580.2	6616.4	6618.4	6621.4	6616.4	6614.2	6616.2	6609.3	6603.2	6594.7
C225.0	6580.2	6537.0	6531.8	6526.6	6516.4	6503.2	6491.6	6475.7	6463.3	6446.0
C270.0	6580.2	6556.8	6554.6	6540.8	6532.6	6518.3	6499.3	6488.6	6472.7	6450.1
C315.0	6580.2	6588.7	6583.5	6576.3	6566.1	6552.4	6540.3	6525.5	6512.8	6494.9
C360.0	6580.2	6611.5	6607.1	6592.8	6587.9	6571.9	6558.4	6542.2	6523.2	6510.9
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	6488.0	6462.8	6436.4	6414.7	6382.8	6355.0	6322.0	6290.1	6255.2	6219.2
C45.0	6496.3	6483.1	6466.1	6452.3	6431.4	6413.3	6391.0	6367.9	6344.0	6313.2
C90.0	6527.9	6512.3	6499.9	6479.5	6461.1	6435.5	6411.3	6384.9	6359.4	6336.0
C135.0	6547.7	6533.4	6517.8	6498.8	6481.7	6464.4	6438.0	6414.4	6389.1	6362.4
C180.0	6582.1	6563.6	6546.0	6529.0	6509.5	6485.0	6461.7	6437.5	6410.8	6387.2
C225.0	6424.3	6403.7	6380.3	6356.7	6327.5	6300.3	6264.3	6227.7	6186.7	6145.8
C270.0	6432.8	6406.9	6381.9	6357.7	6329.2	6299.7	6266.8	6234.3	6199.1	6161.4
C315.0	6471.6	6453.4	6429.5	6402.3	6378.7	6346.5	6314.9	6280.5	6243.7	6203.8
C360.0	6488.0	6462.8	6436.4	6414.7	6382.8	6355.0	6322.0	6290.1	6255.2	6219.2
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	6179.0	6135.1	6093.3	6049.6	5997.3	5945.4	5894.8	5839.0	5785.6	5729.3
C45.0	6283.8	6253.3	6222.0	6183.4	6149.6	6109.5	6071.3	6027.0	5984.4	5933.8
C90.0	6303.8	6271.4	6237.3	6205.4	6163.9	6124.1	6087.5	6040.5	5988.5	5947.6
C135.0	6331.6	6298.9	6269.2	6233.5	6197.5	6154.9	6115.5	6070.5	6027.3	5980.8
C180.0	6355.0	6311.8	6284.1	6252.7	6211.2	6169.4	6127.7	6080.9	6032.8	5991.0
C225.0	6100.7	6050.9	6001.5	5953.6	5910.7	5861.5	5805.7	5747.2	5690.0	5630.6
C270.0	6121.6	6078.2	6034.4	5986.6	5936.0	5888.5	5835.1	5781.0	5729.3	5661.9
C315.0	6161.2	6111.7	6061.1	6007.2	5957.8	5916.0	5862.9	5806.8	5744.4	5684.8
C360.0	6179.0	6135.1	6093.3	6049.6	5997.3	5945.4	5894.8	5839.0	5785.6	5729.3
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	5662.2	5603.4	5534.4	5468.4	5396.4	5319.4	5242.7	5166.8	5083.2	4989.2
C45.0	5886.8	5837.3	5784.5	5724.9	5670.2	5614.1	5550.3	5483.5	5420.8	5351.0
C90.0	5903.9	5846.7	5792.8	5735.1	5686.1	5623.4	5553.6	5498.9	5430.7	5355.4
C135.0	5926.4	5875.3	5822.5	5772.2	5705.9	5649.0	5584.1	5521.7	5458.2	5379.0
C180.0	5931.9	5878.6	5828.5	5768.6	5715.0	5645.4	5583.8	5519.0	5450.8	5384.8
C225.0	5567.9	5509.4	5434.3	5366.4	5301.0	5225.6	5150.3	5065.6	4986.7	4907.3
C270.0	5602.3	5543.1	5483.5	5400.8	5334.8	5255.3	5178.9	5098.4	5010.4	4926.2
C315.0	5629.5	5558.8	5494.5	5422.2	5357.1	5277.3	5192.9	5114.8	5034.3	4935.0
C360.0	5662.2	5603.4	5534.4	5468.4	5396.4	5319.4	5242.7	5166.8	5083.2	4989.2



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	4906.2	4816.3	4726.1	4622.5	4526.2	4427.0	4330.5	4229.6	4116.3	4010.2
C45.0	5283.6	5210.8	5130.2	5059.3	4977.7	4897.1	4797.9	4719.8	4624.9	4537.8
C90.0	5285.9	5203.4	5128.6	5042.3	4961.1	4865.8	4777.0	4691.2	4595.0	4498.5
C135.0	5307.0	5230.0	5146.7	5073.0	4975.7	4892.7	4799.8	4714.0	4607.9	4516.6
C180.0	5301.2	5223.5	5146.5	5062.1	4977.9	4887.5	4795.1	4709.9	4607.6	4510.0
C225.0	4829.5	4727.5	4636.5	4552.1	4450.6	4354.7	4245.5	4147.7	4039.9	3931.6
C270.0	4843.0	4753.9	4652.7	4561.2	4464.9	4367.6	4269.8	4157.3	4054.8	3946.2
C315.0	4851.2	4765.4	4662.9	4571.3	4465.2	4363.5	4269.5	4161.7	4042.1	3944.2
C360.0	4906.2	4816.3	4726.1	4622.5	4526.2	4427.0	4330.5	4229.6	4116.3	4010.2
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	3906.9	3797.4	3689.9	3564.3	3446.4	3327.0	3207.7	3067.5	2945.5	2812.7
C45.0	4439.9	4334.9	4237.3	4134.8	4032.2	3909.3	3810.1	3697.4	3586.0	3472.8
C90.0	4396.7	4298.9	4205.4	4105.3	3993.2	3887.0	3786.2	3688.0	3590.2	3478.0
C135.0	4420.7	4323.1	4225.2	4110.8	4006.9	3894.8	3793.0	3667.1	3552.8	3438.7
C180.0	4414.6	4317.0	4217.8	4104.8	3997.3	3890.9	3784.5	3679.2	3564.6	3452.1
C225.0	3813.7	3692.4	3593.5	3476.9	3357.3	3226.4	3101.4	2968.5	2851.7	2712.3
C270.0	3840.3	3728.5	3607.2	3493.1	3374.6	3254.2	3120.6	2987.2	2867.1	2734.1
C315.0	3835.4	3728.5	3618.2	3489.8	3376.5	3256.4	3136.5	3005.9	2876.2	2740.6
C360.0	3906.9	3797.4	3689.9	3564.3	3446.4	3327.0	3207.7	3067.5	2945.5	2812.7
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	2687.3	2562.2	2424.8	2293.4	2155.6	2008.3	1834.5	1680.0	1538.2	1388.9
C45.0	3338.3	3226.7	3100.2	2976.0	2843.5	2707.7	2587.8	2460.2	2336.3	2196.0
C90.0	3369.7	3250.3	3119.0	2952.6	2800.9	2704.4	2584.8	2433.9	2297.5	2165.3
C135.0	3309.4	3202.5	3064.2	2939.1	2819.6	2685.7	2569.9	2432.5	2305.2	2157.0
C180.0	3338.3	3210.5	3054.0	2908.9	2791.2	2654.3	2532.8	2389.9	2258.4	2127.3
C225.0	2565.3	2449.5	2312.3	2176.2	2029.2	1858.2	1703.7	1552.5	1405.1	1271.2
C270.0	2595.0	2473.2	2347.5	2210.1	2067.9	1893.4	1725.9	1567.8	1424.3	1286.6
C315.0	2602.9	2486.9	2345.1	2221.6	2096.0	1936.5	1791.3	1613.8	1461.7	1335.8
C360.0	2687.3	2562.2	2424.8	2293.4	2155.6	2008.3	1834.5	1680.0	1538.2	1388.9
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	1267.4	1135.1	1003.4	885.8	764.3	643.0	531.1	411.8	314.5	218.3
C45.0	2049.0	1898.3	1736.9	1585.2	1430.1	1289.4	1159.9	1042.0	926.5	811.8
C90.0	1984.1	1843.6	1685.8	1547.5	1390.3	1260.5	1122.2	1018.0	892.1	772.0
C135.0	2016.8	1858.2	1699.8	1555.2	1404.8	1261.6	1147.5	1020.8	905.3	779.1
C180.0	1968.4	1810.9	1652.8	1500.5	1338.0	1218.7	1083.4	970.8	847.3	728.0
C225.0	1137.1	1008.9	901.4	771.4	674.9	573.2	475.3	356.9	274.9	204.0
C270.0	1155.2	1033.4	916.3	782.2	679.3	543.0	442.4	339.3	236.4	166.6
C315.0	1195.9	1065.0	955.9	823.1	705.4	607.3	522.9	391.5	314.2	237.3
C360.0	1267.4	1135.1	1003.4	885.8	764.3	643.0	531.1	411.8	314.5	218.3



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	143.0	80.0	37.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0
C45.0	704.3	600.4	506.7	396.4	287.8	219.7	153.9	94.8	51.4	20.1
C90.0	639.7	532.0	419.5	310.4	223.0	142.4	86.0	37.9	8.5	0.0
C135.0	668.6	574.6	458.8	352.2	271.9	199.0	127.8	81.4	36.8	12.9
C180.0	621.9	501.4	404.1	287.3	202.6	129.0	73.7	29.4	4.7	0.0
C225.0	145.2	85.5	47.8	15.7	0.3	0.0	0.0	0.0	0.0	0.0
C270.0	95.4	45.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C315.0	166.0	104.2	60.8	27.2	6.6	0.0	0.0	0.0	0.0	0.0
C360.0	143.0	80.0	37.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0
C\G	G90.0									
C0.0	0.0									
C45.0	0.0									
C90.0	0.0									
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	6580.22	0.00	0.00	0.00	0.00
0.0-1.0	6575.79	6.29	6.29	0.03	0.03
1.0-2.0	6574.10	18.87	25.17	0.10	0.13
2.0-3.0	6569.06	31.43	56.60	0.17	0.30
3.0-4.0	6564.00	43.96	100.56	0.23	0.54
4.0-5.0	6556.48	56.44	157.01	0.30	0.84
5.0-6.0	6547.30	68.86	225.87	0.37	1.20
6.0-7.0	6537.40	81.22	307.09	0.43	1.63
7.0-8.0	6525.85	93.49	400.58	0.50	2.13
8.0-9.0	6512.59	105.67	506.25	0.56	2.69
9.0-10.0	6496.34	117.73	623.97	0.63	3.32
10.0-11.0	6477.40	129.63	753.61	0.69	4.01
11.0-12.0	6457.23	141.39	895.00	0.75	4.76
12.0-13.0	6436.38	153.01	1048.02	0.81	5.58
13.0-14.0	6412.73	164.47	1212.49	0.88	6.45
14.0-15.0	6387.47	175.73	1388.21	0.94	7.39
15.0-16.0	6358.74	186.77	1574.98	0.99	8.38
16.0-17.0	6329.67	197.59	1772.57	1.05	9.43
17.0-18.0	6298.50	208.21	1980.78	1.11	10.54
18.0-19.0	6266.13	218.60	2199.38	1.16	11.71
19.0-20.0	6229.60	228.71	2428.09	1.22	12.92
20.0-21.0	6188.91	238.46	2666.55	1.27	14.19
21.0-22.0	6150.36	247.96	2914.51	1.32	15.51
22.0-23.0	6109.01	257.23	3171.75	1.37	16.88
23.0-24.0	6065.51	266.18	3437.93	1.42	18.30
24.0-25.0	6021.14	274.82	3712.75	1.46	19.76
25.0-26.0	5975.06	283.17	3995.92	1.51	21.27
26.0-27.0	5924.10	291.12	4287.04	1.55	22.82
27.0-28.0	5872.79	298.67	4585.71	1.59	24.41
28.0-29.0	5819.97	305.92	4891.63	1.63	26.03
29.0-30.0	5763.85	312.76	5204.39	1.66	27.70
30.0-31.0	5706.57	319.21	5523.59	1.70	29.40
31.0-32.0	5646.87	325.26	5848.85	1.73	31.13
32.0-33.0	5582.30	330.82	6179.67	1.76	32.89
33.0-34.0	5520.79	336.01	6515.68	1.79	34.68
34.0-35.0	5451.20	340.75	6856.43	1.81	36.49
35.0-36.0	5379.59	344.85	7201.28	1.84	38.33
36.0-37.0	5308.60	348.59	7549.87	1.86	40.18
37.0-38.0	5234.39	351.91	7901.78	1.87	42.05
38.0-39.0	5153.51	354.57	8256.35	1.89	43.94
39.0-40.0	5075.94	356.77	8613.12	1.90	45.84



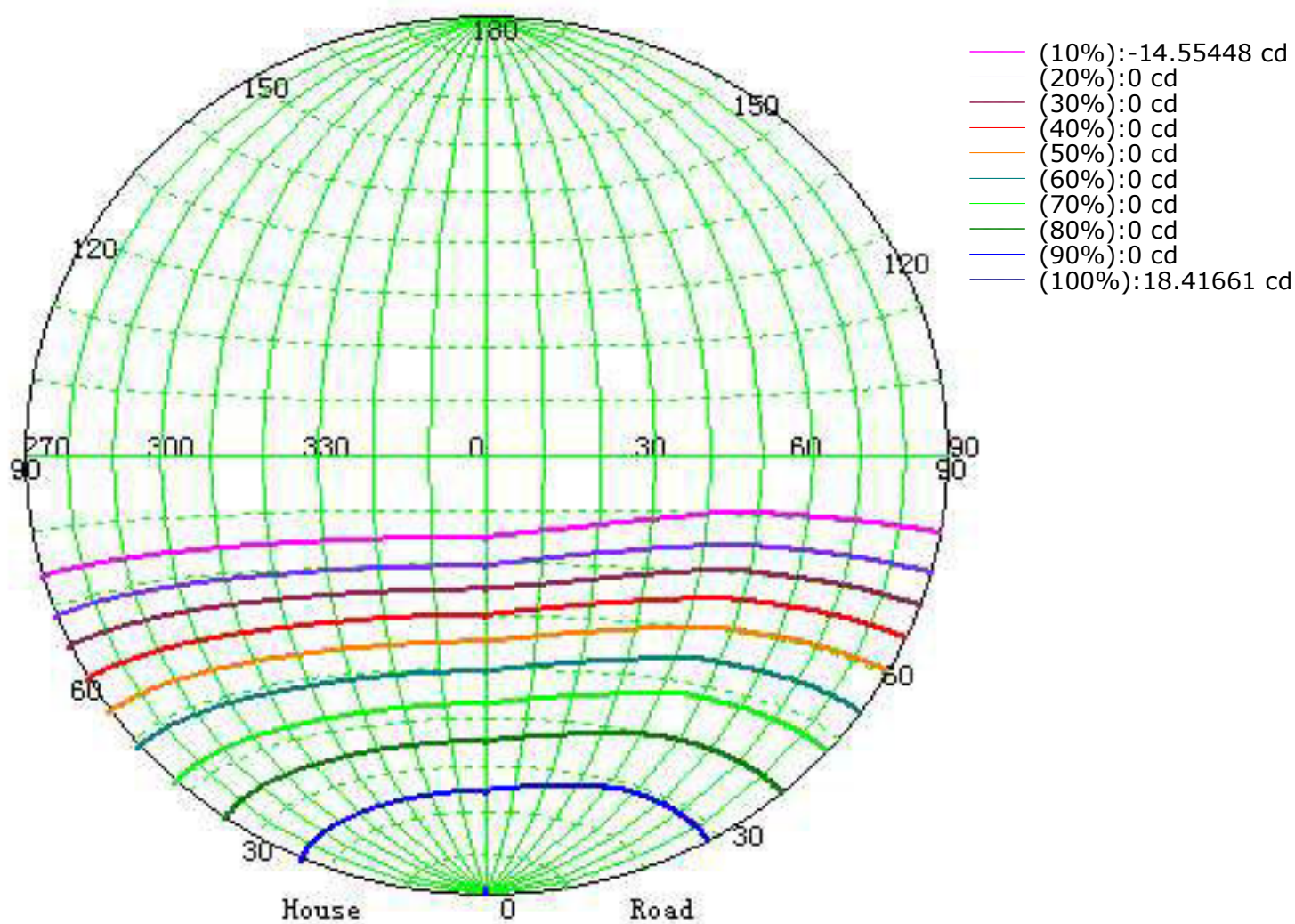
Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	4991.34	358.49	8971.61	1.91	47.75
41.0-42.0	4903.77	359.51	9331.11	1.91	49.66
42.0-43.0	4817.96	360.12	9691.24	1.92	51.58
43.0-44.0	4724.94	360.18	10051.41	1.92	53.49
44.0-45.0	4631.98	359.60	10411.01	1.91	55.41
45.0-46.0	4535.63	358.53	10769.53	1.91	57.32
46.0-47.0	4441.39	357.04	11126.57	1.90	59.22
47.0-48.0	4336.07	354.83	11481.40	1.89	61.11
48.0-49.0	4236.89	352.05	11833.46	1.87	62.98
49.0-50.0	4133.52	348.99	12182.45	1.86	64.84
50.0-51.0	4027.58	345.28	12527.73	1.84	66.67
51.0-52.0	3924.32	341.22	12868.95	1.82	68.49
52.0-53.0	3809.98	336.44	13205.40	1.79	70.28
53.0-54.0	3698.05	330.92	13536.32	1.76	72.04
54.0-55.0	3580.77	324.91	13861.23	1.73	73.77
55.0-56.0	3467.51	318.49	14179.73	1.70	75.47
56.0-57.0	3345.12	311.49	14491.21	1.66	77.12
57.0-58.0	3229.25	304.02	14795.24	1.62	78.74
58.0-59.0	3105.16	296.14	15091.37	1.58	80.32
59.0-60.0	2975.78	287.29	15378.66	1.53	81.85
60.0-61.0	2857.73	278.39	15657.05	1.48	83.33
61.0-62.0	2720.90	268.81	15925.86	1.43	84.76
62.0-63.0	2584.74	258.04	16183.90	1.37	86.13
63.0-64.0	2450.48	247.08	16430.98	1.31	87.45
64.0-65.0	2306.05	235.40	16666.37	1.25	88.70
65.0-66.0	2166.34	223.14	16889.51	1.19	89.89
66.0-67.0	2016.31	210.32	17099.83	1.12	91.01
67.0-68.0	1878.34	197.29	17297.12	1.05	92.06
68.0-69.0	1741.02	184.64	17481.76	0.98	93.04
69.0-70.0	1596.72	171.42	17653.18	0.91	93.95
70.0-71.0	1456.68	157.82	17811.00	0.84	94.79
71.0-72.0	1319.05	144.33	17955.33	0.77	95.56
72.0-73.0	1181.36	130.75	18086.08	0.70	96.26
73.0-74.0	1048.39	117.22	18203.30	0.62	96.88
74.0-75.0	924.58	104.24	18307.55	0.55	97.43
75.0-76.0	810.59	92.11	18399.66	0.49	97.92
76.0-77.0	693.86	80.21	18479.87	0.43	98.35
77.0-78.0	588.91	68.67	18548.54	0.37	98.72
78.0-79.0	489.63	57.95	18606.48	0.31	99.03
79.0-80.0	398.01	47.85	18654.34	0.25	99.28
80.0-81.0	315.46	38.58	18692.92	0.21	99.49

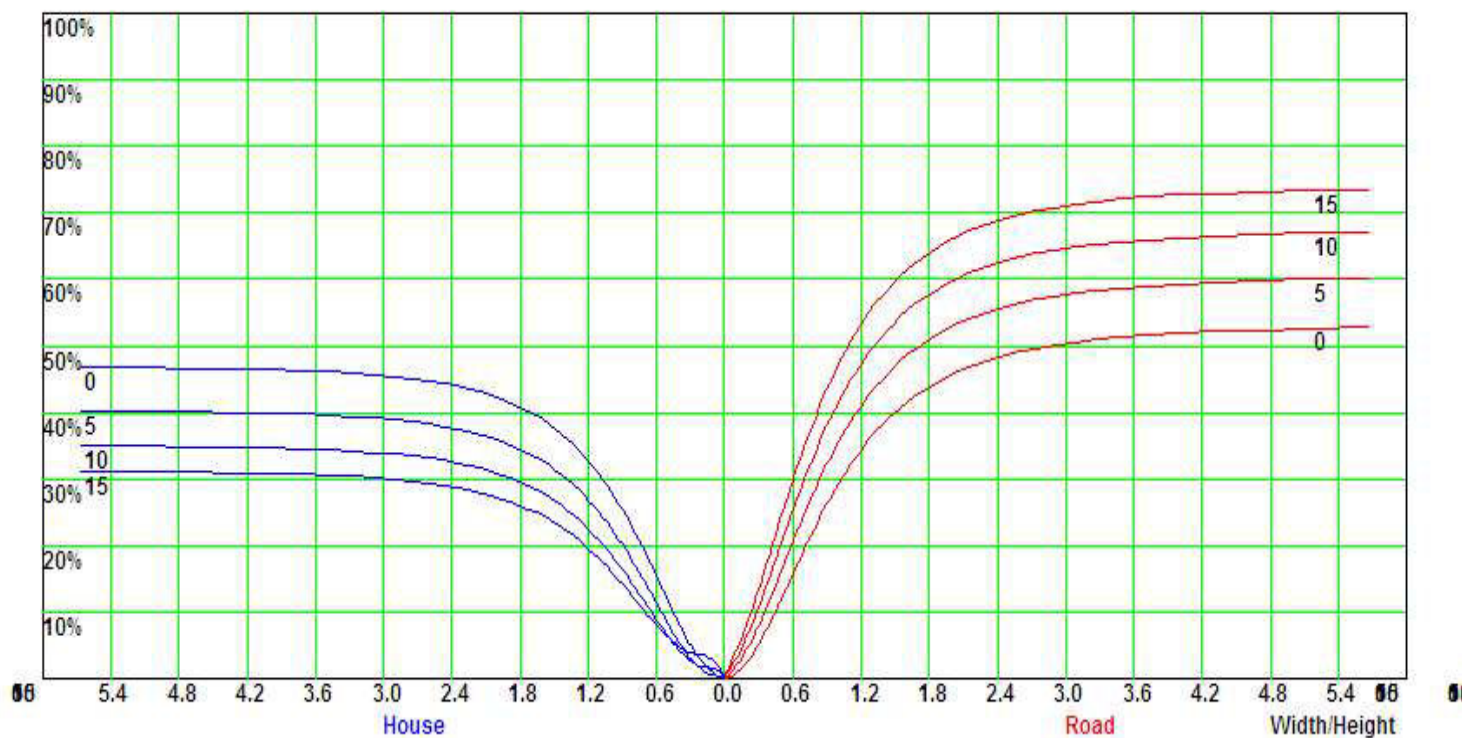


Equipment:CPM-1800 Date:2018-10-10 Operator:BLEDD Test Distance:5.98m
Temperature:25°C Humidity:65% Test Report:1

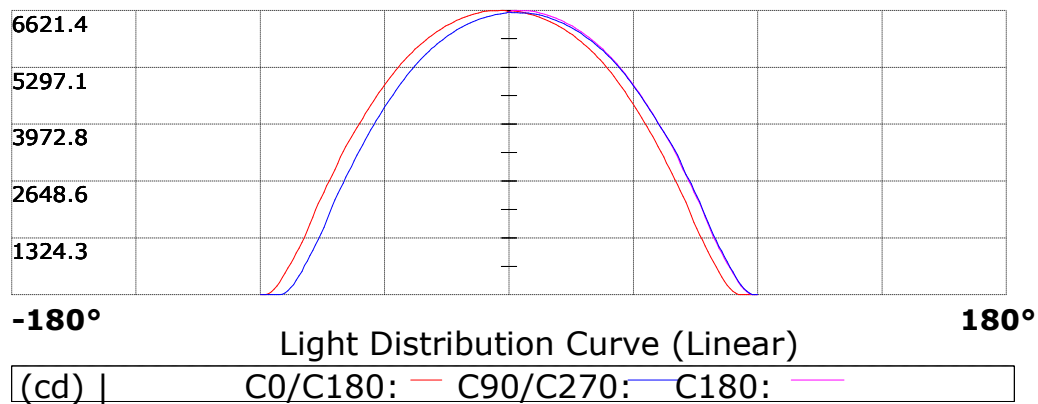
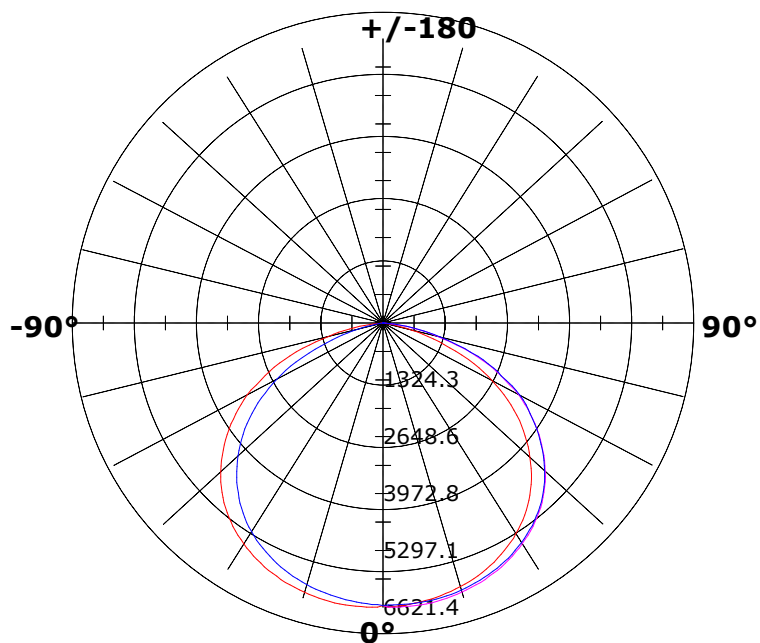
Iso-Candela [cd]

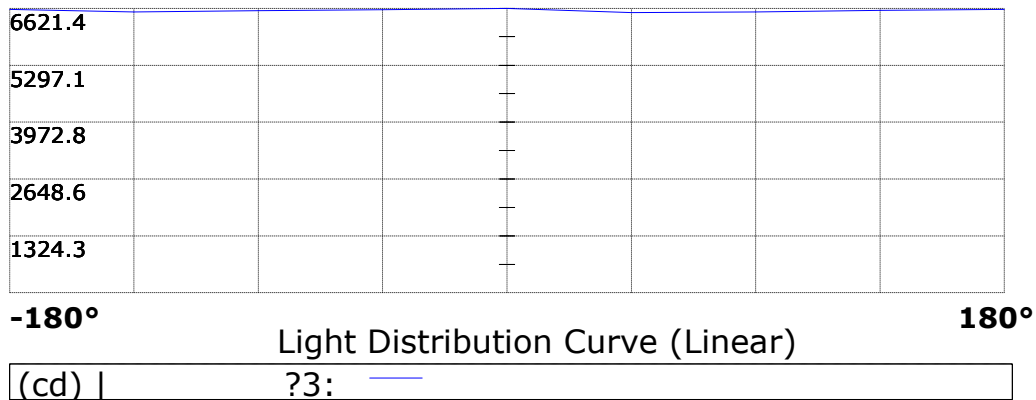
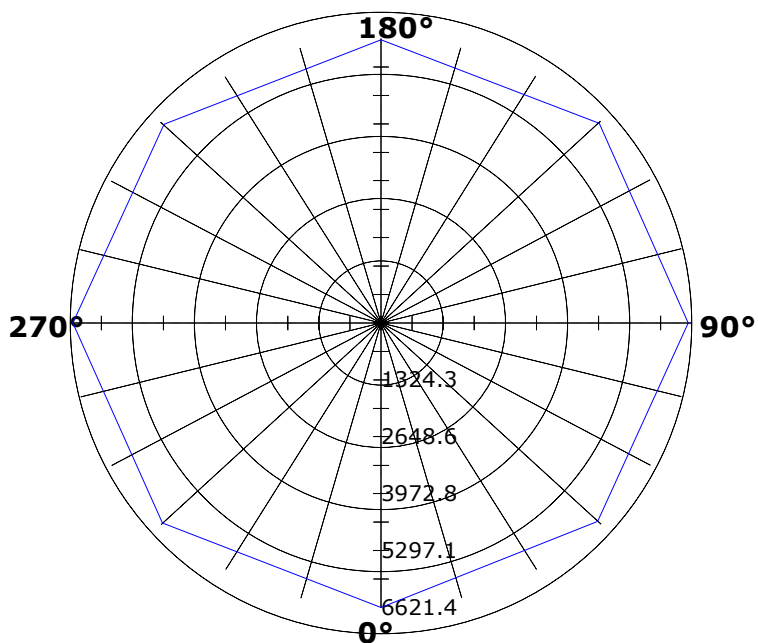


Coefficient Utilization Curve

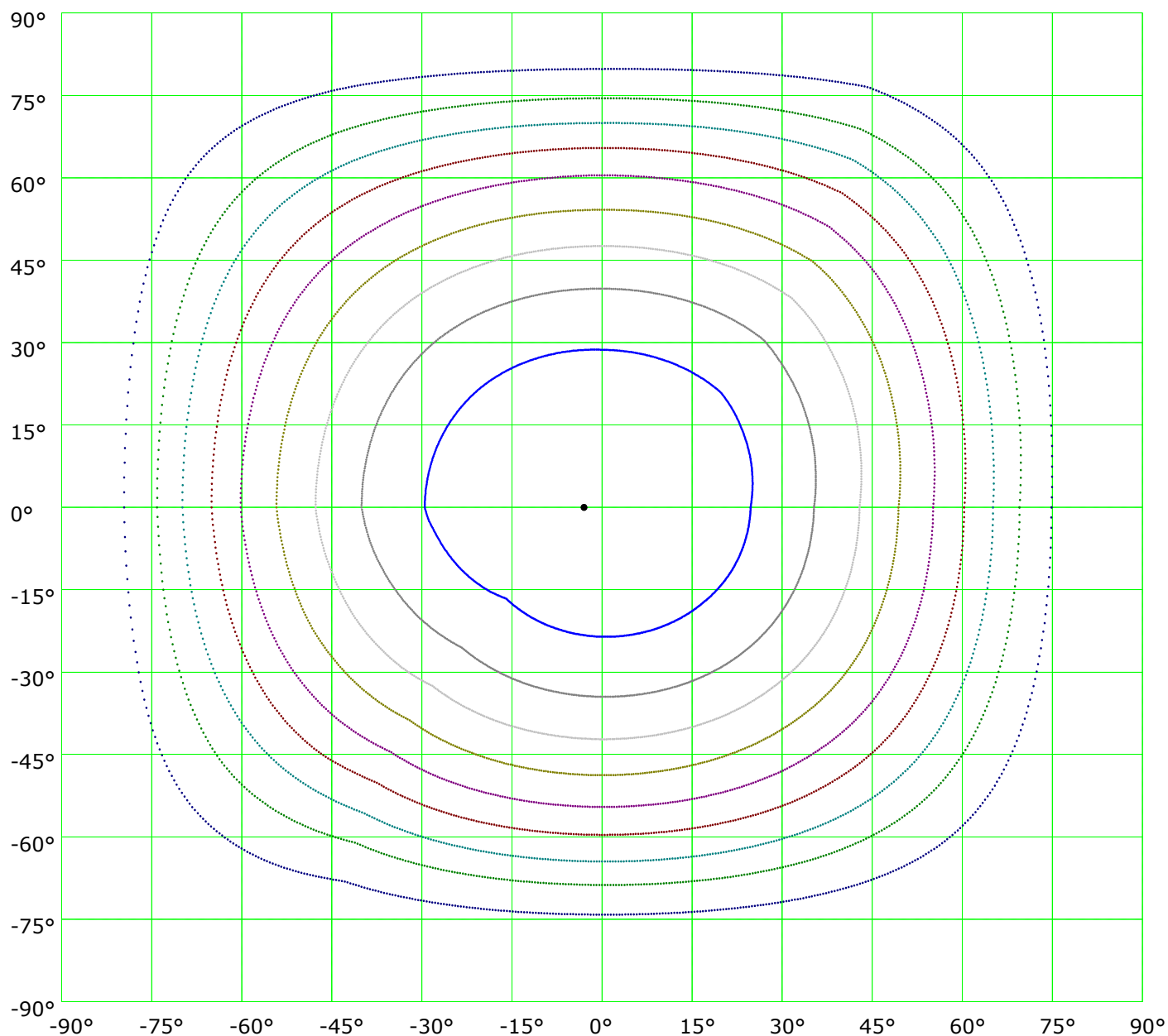


Light Distribution Curve [Unit: cd]



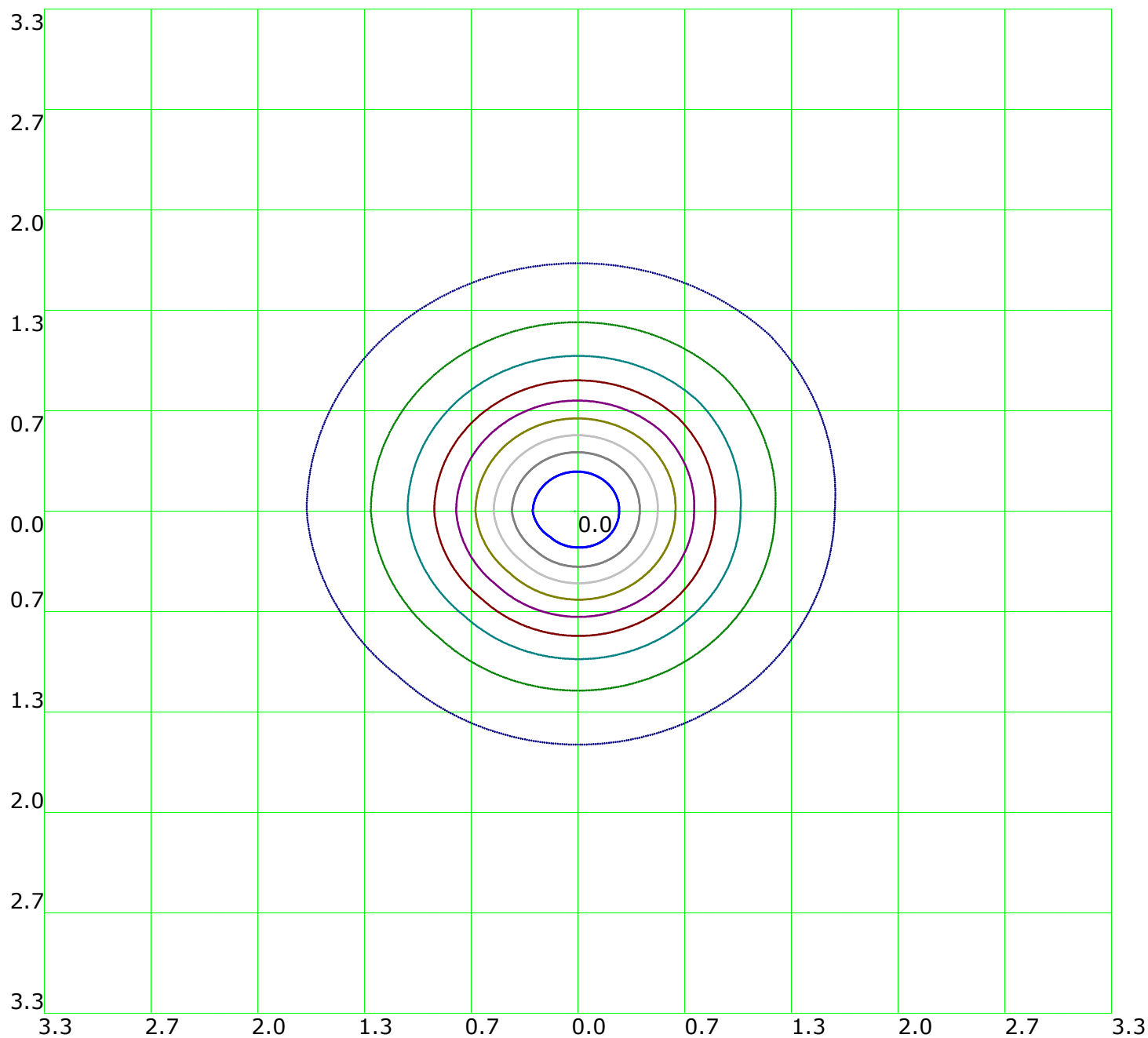


Isocandela(rectangle)



(10%): 662.1cd	(20%): 1324.3cd	(30%): 1986.4cd	(40%): 2648.6cd
(50%): 3310.7cd	(60%): 3972.8cd	(70%): 4635.cd	(80%): 5297.1cd
(90%): 5959.3cd	(100%): 6621.4cd		

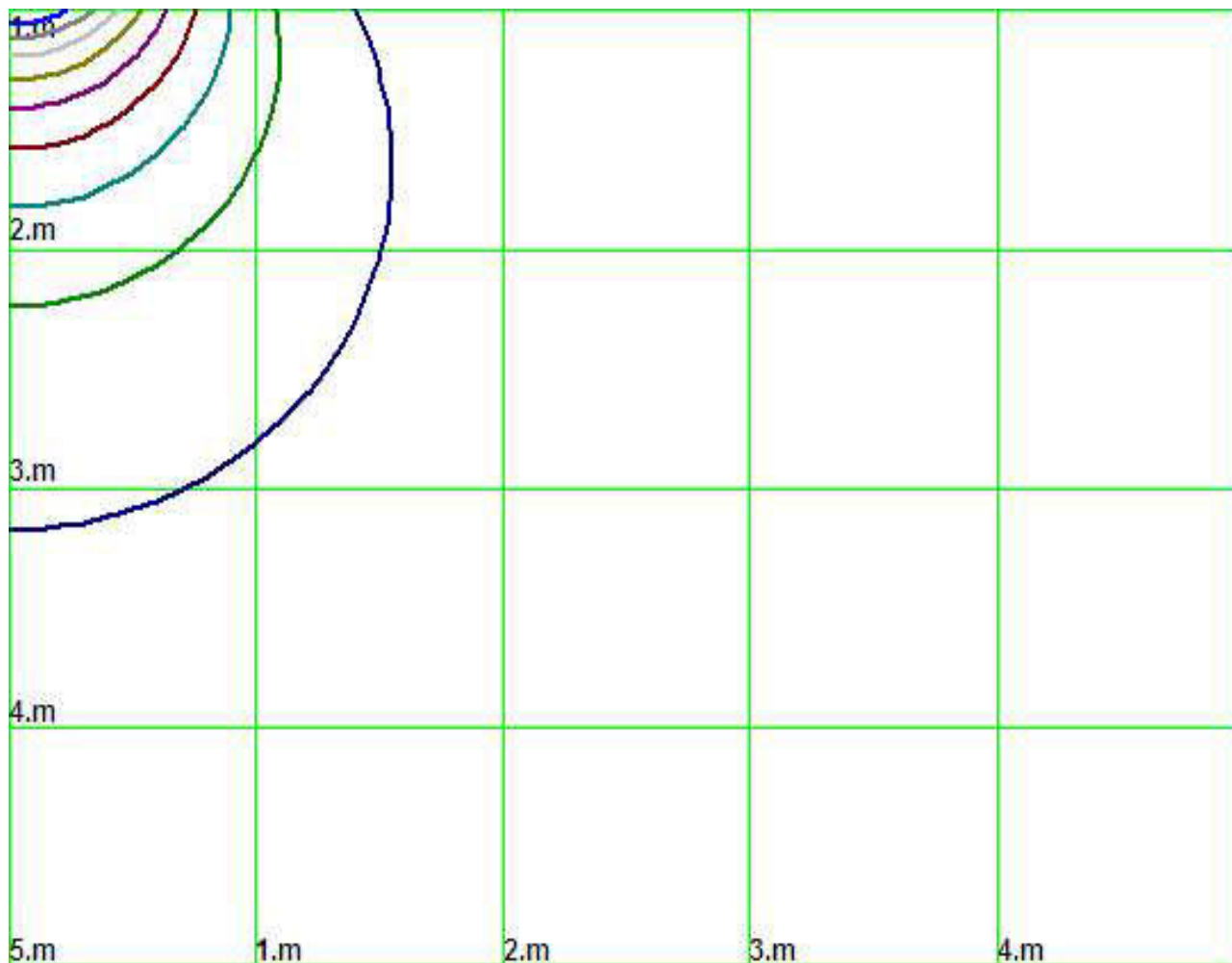
Isolx curve



Height: 1 m

(10%): 662.1lx	(20%): 1324.3lx	(30%): 1986.4lx	(40%): 2648.6lx
(50%): 3310.7lx	(60%): 3972.8lx	(70%): 4635.1lx	(80%): 5297.1lx
(90%): 5959.3lx	(100%): 6614.8lx		

Space Isolx Curve



— (10%): 662.1lx	— (20%): 1324.3lx	— (30%): 1986.4lx	— (40%): 2648.6lx
— (50%): 3310.7lx	— (60%): 3972.8lx	— (70%): 4635.1lx	— (80%): 5297.1lx
— (90%): 5959.3lx	— (100%): 6614.8lx		

Luminance Limiting Curve

Diameter: 340mm

Length: 340mm

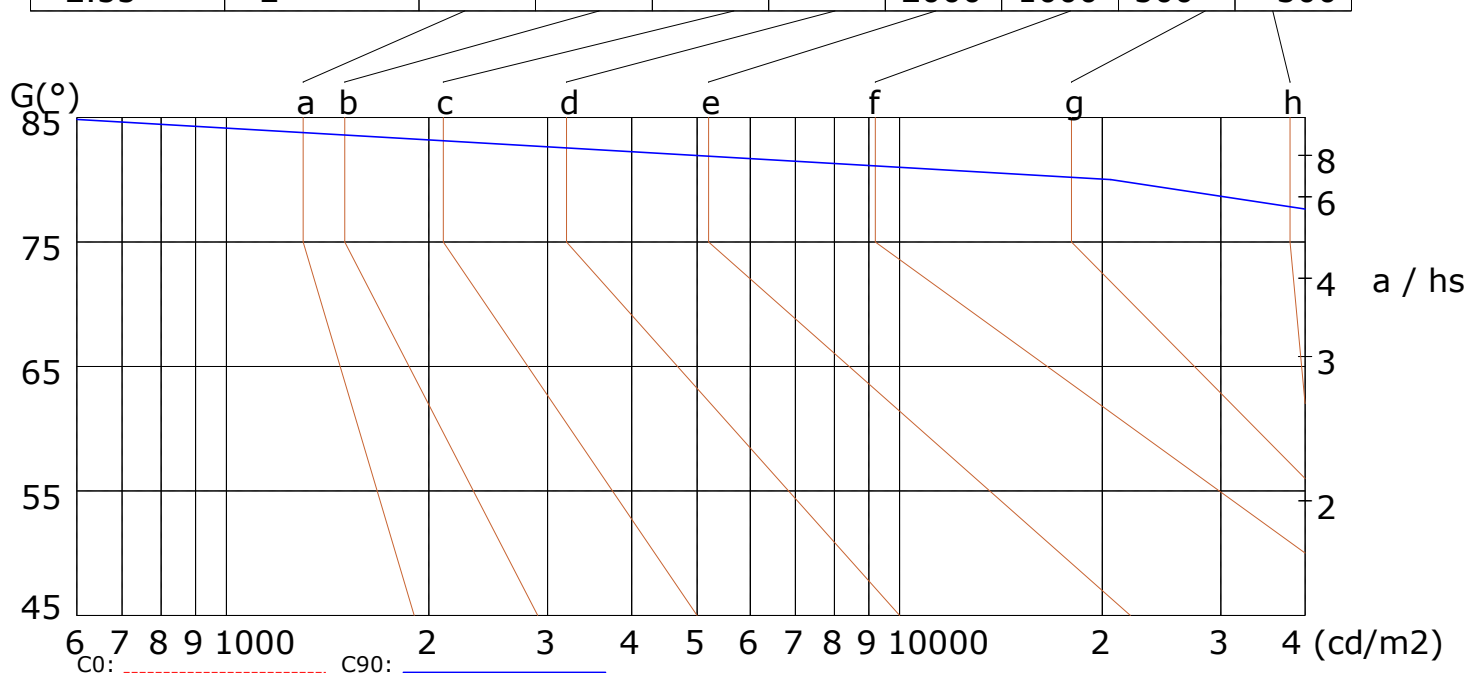
Width: 340mm

Height: 169mm

(cd/m²)

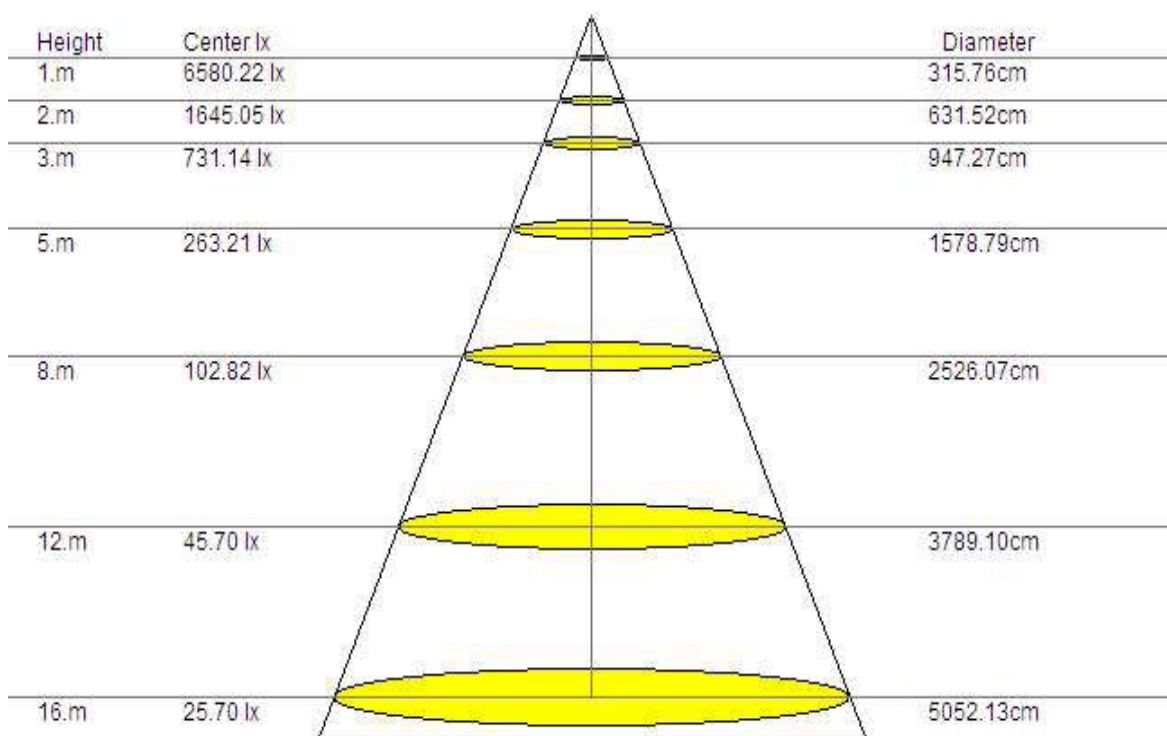
?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	17203	117100	31694	22168	48315	99781	45028	12175	392100
C90	15651	18151	9501	4501	1313	4366	1187	992	640
	62113	20583							

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: 115.30°(50%Imax)

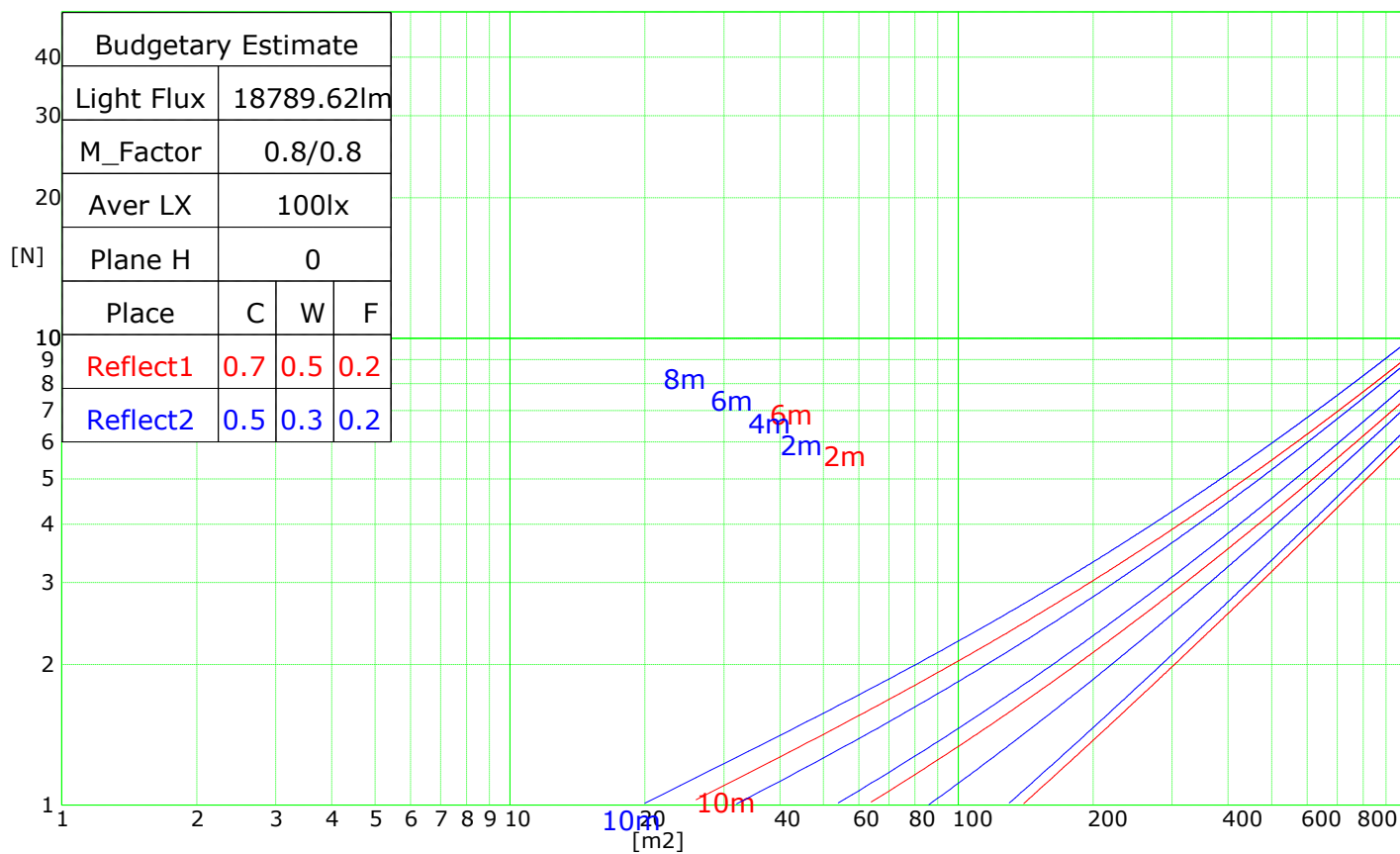


Coefficients of Utilization

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	1.06	1.04	1.03	1.04	1.02	1.01	1.01	0.99	0.97	0.96	0.94	0.92	0.89	0.87	0.85	0.80
2	0.90	0.88	0.86	0.89	0.87	0.84	0.87	0.84	0.81	0.84	0.80	0.77	0.79	0.75	0.72	0.67
3	0.77	0.74	0.72	0.77	0.74	0.71	0.76	0.72	0.68	0.74	0.69	0.65	0.70	0.65	0.61	0.56
4	0.67	0.64	0.62	0.67	0.63	0.61	0.67	0.62	0.58	0.65	0.60	0.55	0.63	0.57	0.52	0.48
5	0.58	0.55	0.53	0.59	0.55	0.52	0.59	0.54	0.50	0.58	0.52	0.48	0.57	0.51	0.45	0.42
6	0.51	0.48	0.47	0.52	0.48	0.46	0.53	0.48	0.44	0.52	0.47	0.42	0.52	0.45	0.40	0.36
7	0.46	0.43	0.41	0.46	0.43	0.40	0.47	0.42	0.39	0.48	0.42	0.37	0.47	0.41	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	0.38	0.33	0.44	0.37	0.32	0.29
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	0.33	0.31	0.30	0.34	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		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