



## Luminaire Property

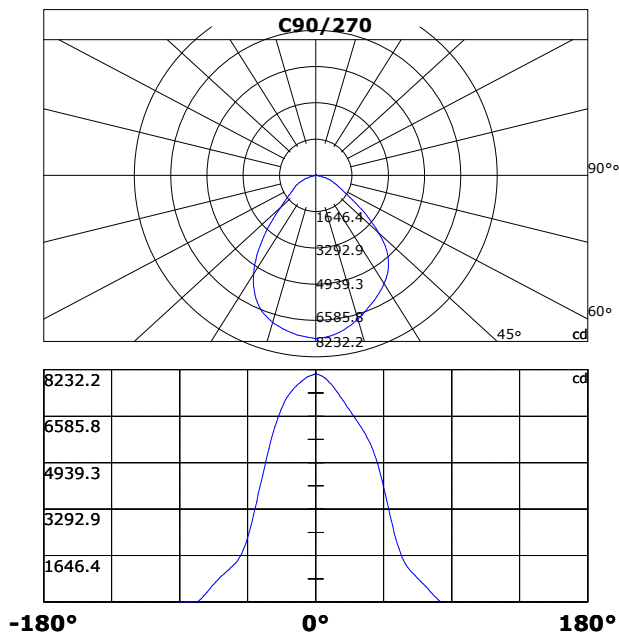
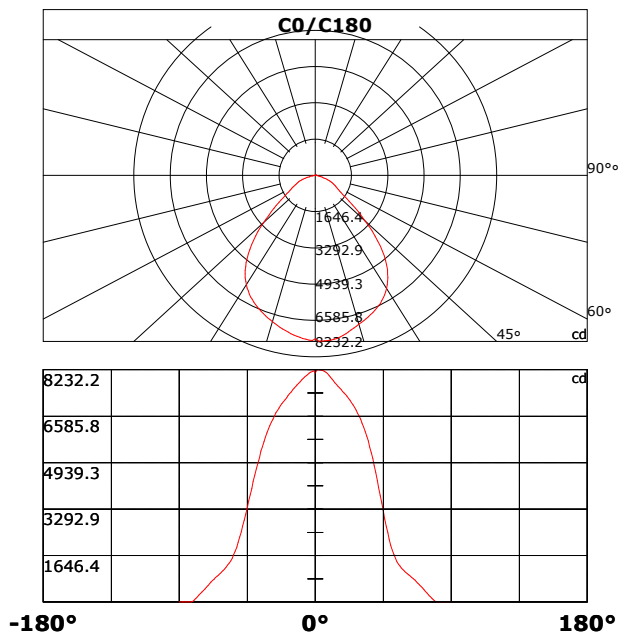
Luminaire Description: B8116-150  
 Luminaire Categorie: UFO HIGHBAY  
 Lamp Categorie: LED  
 Lamp Description: BLANCO FRIO 6500K  
 Number of Lamp: 1  
 Lamp Lumens(lm): NA  
 Luminous Length(m): 0.348  
 Luminous Width(m): 0.348  
 Luminous Height(m): 0.126

Voltage: 230.3 V  
 Current: 0.618 A  
 Power: 136.79 W  
 Power Factor: 0.960  
 Test Lab: BLED  
 Photometric Type: Type C  
 Manufactory:

## Photometric Results

CIE Class: Direct  
 Effective Luminous Flux: 13773.43 lm  
 Efficiency: 105.3209 lm/W  
 Central Intensity: 8116.51cd  
 Max. Intensity: 8232.197cd  
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:2.0  
 Beam Angle(50%Imax): L: -43.7 R:39.8  
 Luminaire Efficacy Rating(LER) : 576.274%  
 Upward Ratio: NA  
 Downward Ratio: NA  
 Beamwidth(50%Imax): H=88.35V=89.81





### Light intensity data Unit[cd]

<b>C\G</b>	<b>G0.0</b>	<b>G1.0</b>	<b>G2.0</b>	<b>G3.0</b>	<b>G4.0</b>	<b>G5.0</b>	<b>G6.0</b>	<b>G7.0</b>	<b>G8.0</b>	<b>G9.0</b>
<b>C0.0</b>	8116.5	8225.5	8232.2	8226.4	8214.5	8200.0	8180.1	8146.4	8099.8	8034.8
<b>C45.0</b>	8116.5	8027.3	8037.7	8045.8	8049.1	8042.7	8027.6	8003.2	7971.1	7936.0
<b>C90.0</b>	8116.5	8064.7	8058.0	8038.9	8012.0	7984.1	7946.7	7900.4	7847.6	7789.9
<b>C135.0</b>	8116.5	8124.1	8102.4	8065.9	8028.8	7991.9	7943.0	7905.3	7837.5	7782.7
<b>C180.0</b>	8116.5	8192.5	8172.2	8143.8	8110.2	8060.3	8024.4	7975.7	7925.3	7872.8
<b>C225.0</b>	8116.5	7980.4	7943.0	7909.3	7869.6	7822.4	7778.6	7729.7	7682.4	7636.6
<b>C270.0</b>	8116.5	8061.8	8048.2	8028.5	8007.6	7987.0	7963.2	7924.7	7878.6	7839.2
<b>C315.0</b>	8116.5	8152.8	8159.7	8158.6	8150.2	8134.3	8113.7	8084.7	8049.9	8012.5
<b>C360.0</b>	8116.5	8225.5	8232.2	8226.4	8214.5	8200.0	8180.1	8146.4	8099.8	8034.8
<b>C\G</b>	<b>G10.0</b>	<b>G11.0</b>	<b>G12.0</b>	<b>G13.0</b>	<b>G14.0</b>	<b>G15.0</b>	<b>G16.0</b>	<b>G17.0</b>	<b>G18.0</b>	<b>G19.0</b>
<b>C0.0</b>	7974.6	7905.0	7841.3	7772.8	7712.0	7648.8	7591.7	7534.3	7470.9	7414.9
<b>C45.0</b>	7886.7	7841.8	7777.2	7716.3	7646.8	7580.1	7509.9	7425.0	7347.4	7270.9
<b>C90.0</b>	7736.3	7664.7	7604.7	7532.9	7459.8	7387.7	7300.4	7229.4	7144.5	7071.2
<b>C135.0</b>	7721.8	7661.2	7586.2	7518.4	7444.2	7376.1	7304.7	7222.5	7148.8	7077.3
<b>C180.0</b>	7813.1	7755.1	7699.2	7637.5	7577.2	7511.1	7446.2	7383.9	7317.8	7246.5
<b>C225.0</b>	7592.0	7540.1	7487.4	7427.7	7374.0	7311.7	7251.4	7168.0	7094.7	7008.0
<b>C270.0</b>	7795.4	7752.8	7705.3	7650.8	7601.0	7540.7	7480.7	7404.2	7330.3	7250.6
<b>C315.0</b>	7973.4	7931.1	7884.1	7841.5	7794.8	7744.7	7696.0	7644.7	7595.8	7542.7
<b>C360.0</b>	7974.6	7905.0	7841.3	7772.8	7712.0	7648.8	7591.7	7534.3	7470.9	7414.9
<b>C\G</b>	<b>G20.0</b>	<b>G21.0</b>	<b>G22.0</b>	<b>G23.0</b>	<b>G24.0</b>	<b>G25.0</b>	<b>G26.0</b>	<b>G27.0</b>	<b>G28.0</b>	<b>G29.0</b>
<b>C0.0</b>	7350.3	7291.7	7220.4	7145.7	7069.4	6995.2	6906.8	6798.1	6699.9	6596.4
<b>C45.0</b>	7192.0	7112.0	7039.6	6968.3	6888.3	6813.8	6738.2	6666.3	6593.2	6515.0
<b>C90.0</b>	6981.6	6904.5	6830.3	6750.6	6677.3	6594.1	6519.9	6446.3	6370.4	6282.6
<b>C135.0</b>	6997.8	6923.1	6843.9	6777.6	6695.3	6621.1	6537.6	6447.8	6367.2	6280.0
<b>C180.0</b>	7174.9	7106.5	7038.4	6956.1	6872.9	6788.0	6700.2	6608.3	6486.6	6378.8
<b>C225.0</b>	6920.2	6811.2	6701.1	6596.4	6466.3	6327.2	6179.9	6020.6	5860.3	5696.2
<b>C270.0</b>	7157.5	7054.7	6923.9	6811.8	6680.5	6534.1	6353.6	6207.5	6043.4	5851.3
<b>C315.0</b>	7488.5	7421.6	7351.7	7274.1	7177.2	7069.4	6953.5	6823.1	6689.8	6557.0
<b>C360.0</b>	7350.3	7291.7	7220.4	7145.7	7069.4	6995.2	6906.8	6798.1	6699.9	6596.4
<b>C\G</b>	<b>G30.0</b>	<b>G31.0</b>	<b>G32.0</b>	<b>G33.0</b>	<b>G34.0</b>	<b>G35.0</b>	<b>G36.0</b>	<b>G37.0</b>	<b>G38.0</b>	<b>G39.0</b>
<b>C0.0</b>	6477.3	6344.3	6206.0	6046.6	5877.4	5714.8	5495.4	5298.6	5080.7	4848.8
<b>C45.0</b>	6432.4	6348.7	6269.5	6179.7	6080.3	5989.3	5881.1	5771.9	5645.8	5502.3
<b>C90.0</b>	6201.7	6117.1	6029.5	5937.4	5831.6	5726.9	5623.5	5493.9	5351.0	5210.2
<b>C135.0</b>	6180.5	6081.1	5978.5	5866.7	5744.6	5608.4	5461.8	5315.4	5146.7	4952.0
<b>C180.0</b>	6257.9	6133.6	5998.2	5831.0	5680.0	5507.6	5341.2	5117.5	4924.1	4720.7
<b>C225.0</b>	5489.9	5297.1	5085.0	4866.2	4638.4	4430.3	4200.5	3959.3	3715.9	3461.7
<b>C270.0</b>	5642.6	5437.7	5229.0	4989.4	4769.4	4528.8	4279.8	4059.3	3825.1	3569.8
<b>C315.0</b>	6387.2	6219.6	6034.5	5838.0	5619.7	5419.2	5185.0	4937.5	4685.9	4405.9
<b>C360.0</b>	6477.3	6344.3	6206.0	6046.6	5877.4	5714.8	5495.4	5298.6	5080.7	4848.8



### Light intensity data Unit[cd]

<b>C\G</b>	<b>G40.0</b>	<b>G41.0</b>	<b>G42.0</b>	<b>G43.0</b>	<b>G44.0</b>	<b>G45.0</b>	<b>G46.0</b>	<b>G47.0</b>	<b>G48.0</b>	<b>G49.0</b>
<b>C0.0</b>	4599.8	4315.2	4050.6	3779.6	3509.5	3209.0	2947.8	2684.7	2449.0	2221.5
<b>C45.0</b>	5361.8	5198.0	5023.2	4840.1	4601.0	4410.6	4157.5	3938.4	3650.3	3413.8
<b>C90.0</b>	5056.0	4894.3	4703.3	4492.6	4287.4	4059.0	3847.7	3582.0	3351.3	3125.5
<b>C135.0</b>	4775.2	4569.7	4362.4	4158.1	3898.7	3708.0	3467.2	3260.8	3007.8	2811.0
<b>C180.0</b>	4501.0	4285.4	4032.7	3805.4	3585.2	3353.9	3119.7	2893.6	2689.0	2493.9
<b>C225.0</b>	3228.4	3007.2	2787.2	2575.4	2362.9	2178.1	2013.4	1857.5	1707.4	1605.6
<b>C270.0</b>	3339.4	3110.1	2895.6	2680.6	2472.8	2286.4	2125.9	1973.1	1847.1	1722.2
<b>C315.0</b>	4147.1	3887.4	3624.6	3332.7	3068.1	2809.3	2555.4	2317.4	2077.8	1883.0
<b>C360.0</b>	4599.8	4315.2	4050.6	3779.6	3509.5	3209.0	2947.8	2684.7	2449.0	2221.5
<b>C\G</b>	<b>G50.0</b>	<b>G51.0</b>	<b>G52.0</b>	<b>G53.0</b>	<b>G54.0</b>	<b>G55.0</b>	<b>G56.0</b>	<b>G57.0</b>	<b>G58.0</b>	<b>G59.0</b>
<b>C0.0</b>	1999.8	1827.9	1679.8	1545.3	1432.6	1342.5	1272.6	1206.5	1148.3	1092.9
<b>C45.0</b>	3153.9	2912.7	2645.0	2398.6	2190.8	1980.4	1814.0	1643.6	1508.5	1408.6
<b>C90.0</b>	2898.0	2685.5	2442.9	2257.2	2063.0	1901.5	1734.6	1601.9	1488.8	1383.6
<b>C135.0</b>	2598.3	2417.7	2231.9	2041.5	1893.7	1744.2	1629.4	1501.3	1397.0	1315.8
<b>C180.0</b>	2307.0	2121.2	1950.2	1808.8	1679.8	1557.0	1460.7	1377.5	1305.7	1234.4
<b>C225.0</b>	1523.9	1450.9	1376.4	1312.3	1252.6	1206.0	1156.1	1101.9	1057.9	1011.5
<b>C270.0</b>	1625.0	1538.4	1462.2	1390.9	1334.3	1277.6	1230.0	1179.6	1126.8	1079.9
<b>C315.0</b>	1757.2	1655.8	1551.5	1466.5	1388.9	1315.5	1246.8	1188.3	1141.1	1088.6
<b>C360.0</b>	1999.8	1827.9	1679.8	1545.3	1432.6	1342.5	1272.6	1206.5	1148.3	1092.9
<b>C\G</b>	<b>G60.0</b>	<b>G61.0</b>	<b>G62.0</b>	<b>G63.0</b>	<b>G64.0</b>	<b>G65.0</b>	<b>G66.0</b>	<b>G67.0</b>	<b>G68.0</b>	<b>G69.0</b>
<b>C0.0</b>	1046.6	1003.1	957.6	909.5	865.7	819.6	772.4	720.8	665.1	611.5
<b>C45.0</b>	1312.6	1232.6	1162.5	1103.4	1051.5	1000.8	949.8	901.9	859.3	813.8
<b>C90.0</b>	1305.7	1215.8	1151.5	1090.0	1031.2	975.0	916.7	865.1	812.4	755.6
<b>C135.0</b>	1234.7	1163.6	1094.7	1035.5	984.3	928.9	875.6	826.3	779.1	722.6
<b>C180.0</b>	1176.7	1114.4	1061.6	1017.0	961.3	916.1	861.4	813.3	761.9	704.3
<b>C225.0</b>	967.4	917.6	875.6	829.2	772.4	716.7	661.1	602.9	549.5	488.7
<b>C270.0</b>	1031.5	984.5	935.3	885.1	832.4	779.9	717.9	661.1	606.0	545.2
<b>C315.0</b>	1043.7	995.8	949.5	906.0	857.6	815.3	751.5	698.5	643.4	583.4
<b>C360.0</b>	1046.6	1003.1	957.6	909.5	865.7	819.6	772.4	720.8	665.1	611.5
<b>C\G</b>	<b>G70.0</b>	<b>G71.0</b>	<b>G72.0</b>	<b>G73.0</b>	<b>G74.0</b>	<b>G75.0</b>	<b>G76.0</b>	<b>G77.0</b>	<b>G78.0</b>	<b>G79.0</b>
<b>C0.0</b>	549.8	487.8	432.7	369.2	311.0	254.8	197.1	143.7	89.8	36.2
<b>C45.0</b>	769.8	719.6	662.5	612.7	559.1	499.9	444.0	383.7	330.7	274.2
<b>C90.0</b>	707.5	648.1	591.2	538.2	481.1	421.7	359.4	301.1	246.4	186.1
<b>C135.0</b>	673.8	619.9	559.7	509.2	451.3	393.3	337.4	277.7	226.0	171.6
<b>C180.0</b>	651.5	588.0	531.3	474.1	418.8	357.9	293.0	236.2	184.0	127.5
<b>C225.0</b>	429.8	368.7	305.2	247.8	190.7	134.8	85.2	35.4	0.0	0.0
<b>C270.0</b>	480.3	412.7	348.1	281.7	220.3	162.9	112.8	60.0	12.2	0.0
<b>C315.0</b>	529.8	469.8	405.8	348.4	291.0	235.1	179.1	127.8	75.4	26.4
<b>C360.0</b>	549.8	487.8	432.7	369.2	311.0	254.8	197.1	143.7	89.8	36.2



### 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
<b>C0.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C45.0</b>	219.1	162.3	110.4	65.8	20.3	0.0	0.0	0.0	0.0	0.0
<b>C90.0</b>	138.2	87.2	40.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C135.0</b>	117.4	70.4	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C180.0</b>	75.4	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C225.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C270.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C315.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C360.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C\G</b>	<b>G90.0</b>									
<b>C0.0</b>	0.0									
<b>C45.0</b>	0.0									
<b>C90.0</b>	0.0									
<b>C135.0</b>	0.0									
<b>C180.0</b>	0.0									
<b>C225.0</b>	0.0									
<b>C270.0</b>	0.0									
<b>C315.0</b>	0.0									
<b>C360.0</b>	0.0									



## Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	8116.51	0.00	0.00	0.00	0.00
0.0-1.0	8103.64	7.76	7.76	0.31	0.31
1.0-2.0	8094.18	23.25	31.01	0.93	1.24
2.0-3.0	8077.16	38.68	69.69	1.55	2.79
3.0-4.0	8055.24	54.00	123.69	2.16	4.95
4.0-5.0	8027.85	69.19	192.88	2.77	7.72
5.0-6.0	7997.16	84.22	277.09	3.37	11.08
6.0-7.0	7958.77	99.04	376.13	3.96	15.05
7.0-8.0	7911.52	113.58	489.71	4.54	19.59
8.0-9.0	7863.08	127.84	617.55	5.11	24.70
9.0-10.0	7811.67	141.85	759.41	5.67	30.38
10.0-11.0	7756.50	155.56	914.96	6.22	36.60
11.0-12.0	7698.17	168.94	1083.91	6.76	43.36
12.0-13.0	7637.23	181.99	1265.90	7.28	50.64
13.0-14.0	7576.22	194.73	1460.63	7.79	58.43
14.0-15.0	7512.61	207.15	1667.77	8.29	66.71
15.0-16.0	7447.65	219.21	1886.98	8.77	75.48
16.0-17.0	7376.50	230.85	2117.84	9.23	84.71
17.0-18.0	7306.25	242.09	2359.92	9.68	94.40
18.0-19.0	7235.25	252.99	2612.92	10.12	104.52
19.0-20.0	7157.86	263.43	2876.35	10.54	115.05
20.0-21.0	7078.17	273.36	3149.71	10.93	125.99
21.0-22.0	6993.68	282.78	3432.49	11.31	137.30
22.0-23.0	6910.06	291.74	3724.23	11.67	148.97
23.0-24.0	6815.90	300.10	4024.33	12.00	160.97
24.0-25.0	6717.87	307.73	4332.05	12.31	173.28
25.0-26.0	6611.21	314.63	4646.69	12.59	185.87
26.0-27.0	6502.24	320.82	4967.51	12.83	198.70
27.0-28.0	6388.85	326.37	5293.89	13.05	211.76
28.0-29.0	6269.66	331.18	5625.07	13.25	225.00
29.0-30.0	6133.69	334.89	5959.96	13.40	238.40
30.0-31.0	5997.40	337.59	6297.55	13.50	251.90
31.0-32.0	5853.79	339.52	6637.07	13.58	265.48
32.0-33.0	5694.36	340.21	6977.28	13.61	279.09
33.0-34.0	5530.17	339.69	7316.97	13.59	292.68
34.0-35.0	5365.65	338.38	7655.35	13.54	306.21
35.0-36.0	5183.54	335.89	7991.24	13.44	319.65
36.0-37.0	4994.17	331.94	8323.18	13.28	332.93
37.0-38.0	4796.91	326.81	8649.99	13.07	346.00
38.0-39.0	4583.91	320.19	8970.19	12.81	358.81
39.0-40.0	4376.08	312.49	9282.68	12.50	371.31



## Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	4158.41	303.91	9586.59	12.16	383.46
41.0-42.0	3934.96	294.05	9880.63	11.76	395.23
42.0-43.0	3708.06	283.12	10163.75	11.32	406.55
43.0-44.0	3473.20	271.04	10434.79	10.84	417.39
44.0-45.0	3251.77	258.45	10693.24	10.34	427.73
45.0-46.0	3029.33	245.64	10938.88	9.83	437.56
46.0-47.0	2813.45	232.38	11171.27	9.30	446.85
47.0-48.0	2597.46	218.74	11390.01	8.75	455.60
48.0-49.0	2409.58	205.62	11595.62	8.22	463.82
49.0-50.0	2232.89	193.56	11789.18	7.74	471.57
50.0-51.0	2076.28	182.31	11971.50	7.29	478.86
51.0-52.0	1917.49	171.38	12142.87	6.86	485.71
52.0-53.0	1777.65	160.74	12303.61	6.43	492.14
53.0-54.0	1654.48	151.27	12454.88	6.05	498.20
54.0-55.0	1540.57	142.62	12597.50	5.70	503.90
55.0-56.0	1443.04	134.82	12732.32	5.39	509.29
56.0-57.0	1350.08	127.71	12860.03	5.11	514.40
57.0-58.0	1271.75	121.24	12981.27	4.85	519.25
58.0-59.0	1201.91	115.65	13096.92	4.63	523.88
59.0-60.0	1139.85	110.63	13207.55	4.43	528.30
60.0-61.0	1078.43	105.86	13313.41	4.23	532.54
61.0-62.0	1023.52	101.28	13414.70	4.05	536.59
62.0-63.0	971.96	97.05	13511.75	3.88	540.47
63.0-64.0	919.54	92.82	13604.56	3.71	544.18
64.0-65.0	869.05	88.52	13693.08	3.54	547.72
65.0-66.0	813.29	83.94	13777.02	3.36	551.08
66.0-67.0	761.23	79.17	13856.19	3.17	554.25
67.0-68.0	709.60	74.51	13930.70	2.98	557.23
68.0-69.0	653.12	69.52	14000.21	2.78	560.01
69.0-70.0	599.04	64.31	14064.52	2.57	562.58
70.0-71.0	539.33	58.84	14123.36	2.35	564.93
71.0-72.0	479.55	52.98	14176.34	2.12	567.05
72.0-73.0	422.67	47.18	14223.52	1.89	568.94
73.0-74.0	365.41	41.43	14264.95	1.66	570.60
74.0-75.0	307.54	35.56	14300.50	1.42	572.02
75.0-76.0	250.99	29.65	14330.16	1.19	573.21
76.0-77.0	195.71	23.82	14353.97	0.95	574.16
77.0-78.0	145.57	18.27	14372.24	0.73	574.89
78.0-79.0	102.75	13.34	14385.58	0.53	575.42
79.0-80.0	68.76	9.25	14394.83	0.37	575.79
80.0-81.0	43.54	6.07	14400.90	0.24	576.04

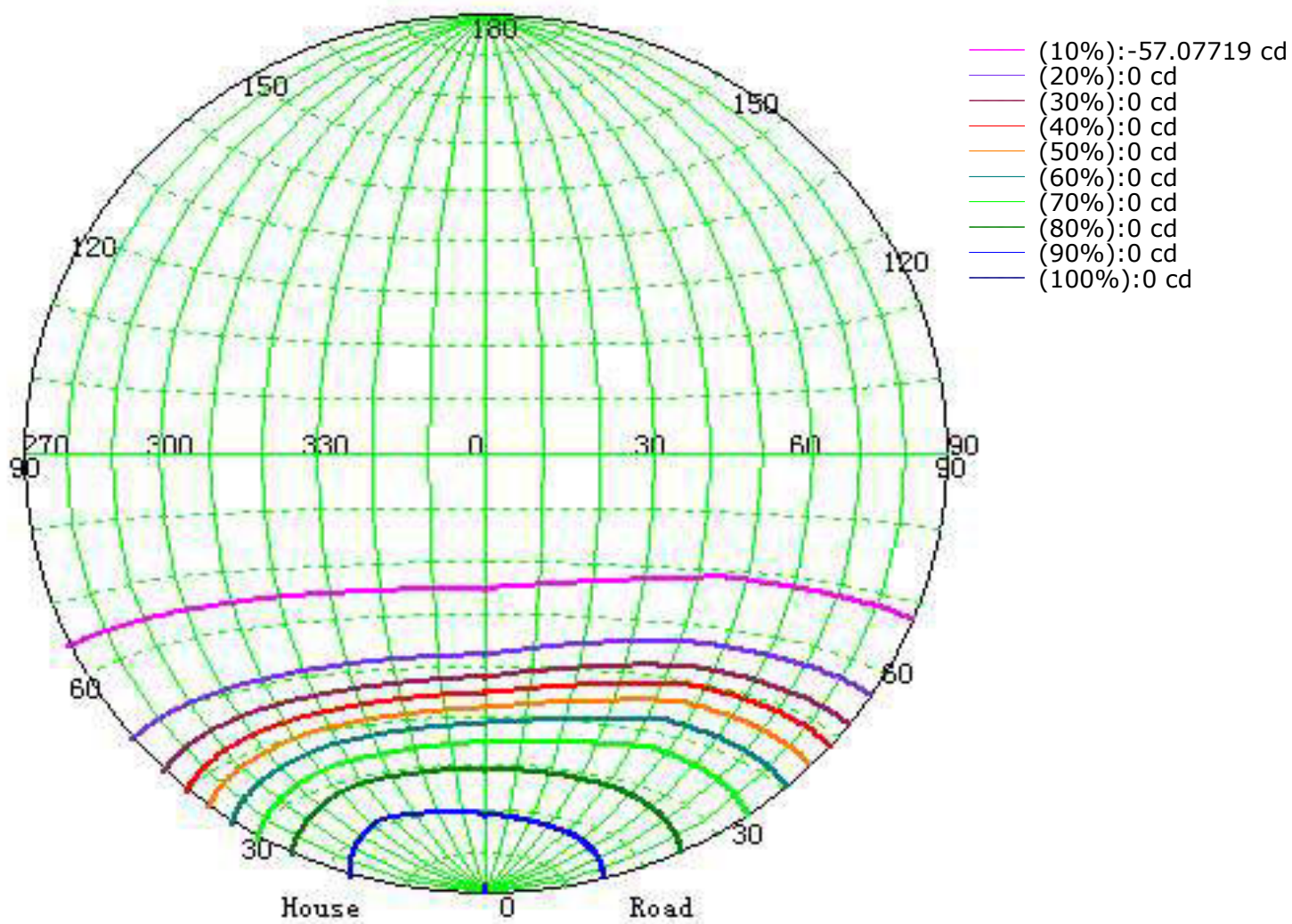


## Zonal Luminous Flux Data

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	22.21	3.57	14404.46	0.14	576.18
82.0-83.0	8.22	1.65	14406.12	0.07	576.24
83.0-84.0	2.54	0.59	14406.70	0.02	576.27
84.0-85.0	0.00	0.14	14406.84	0.01	576.27
85.0-86.0	0.00	0.00	14406.84	0.00	576.27
86.0-87.0	0.00	0.00	14406.84	0.00	576.27
87.0-88.0	0.00	0.00	14406.84	0.00	576.27
88.0-89.0	0.00	0.00	14406.84	0.00	576.27
89.0-90.0	0.00	0.00	14406.84	0.00	576.27



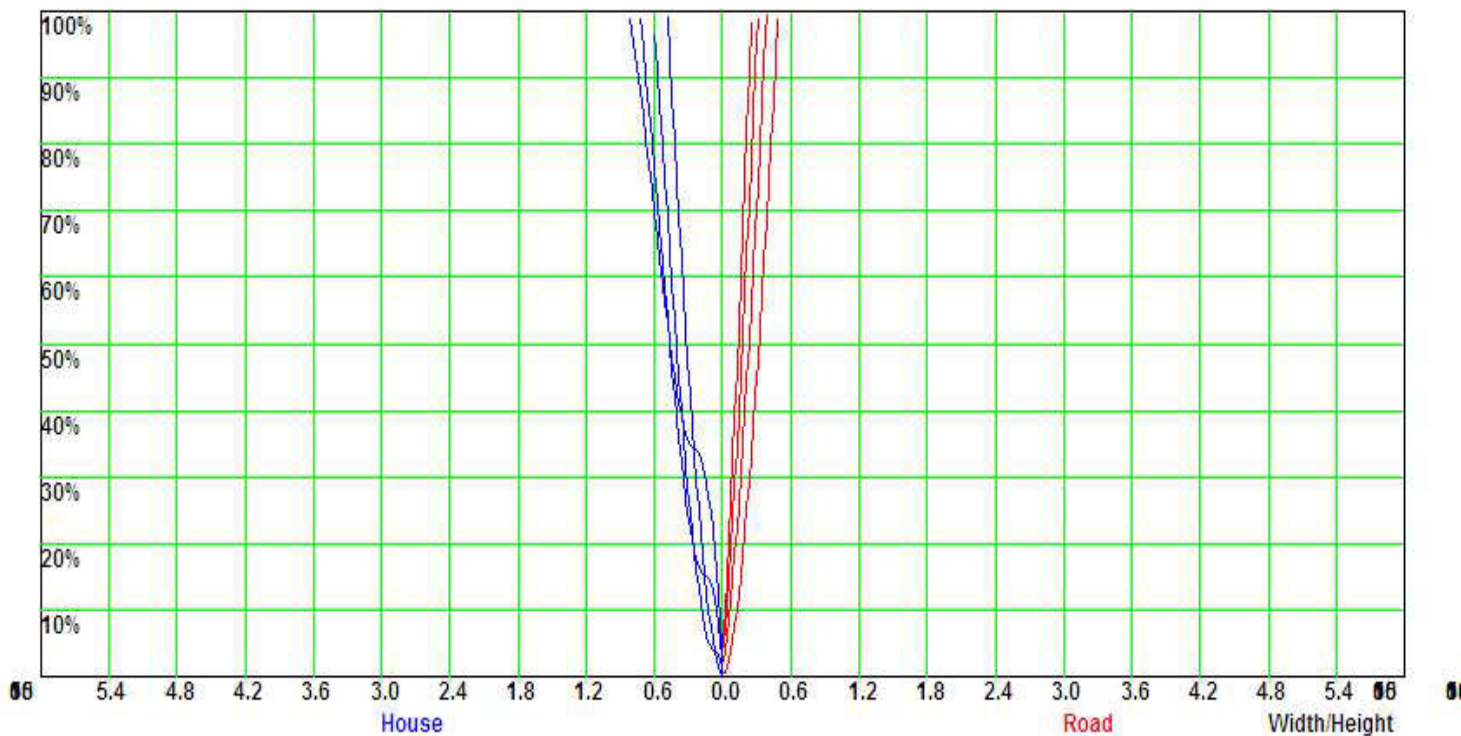
# Iso-Candela [cd]



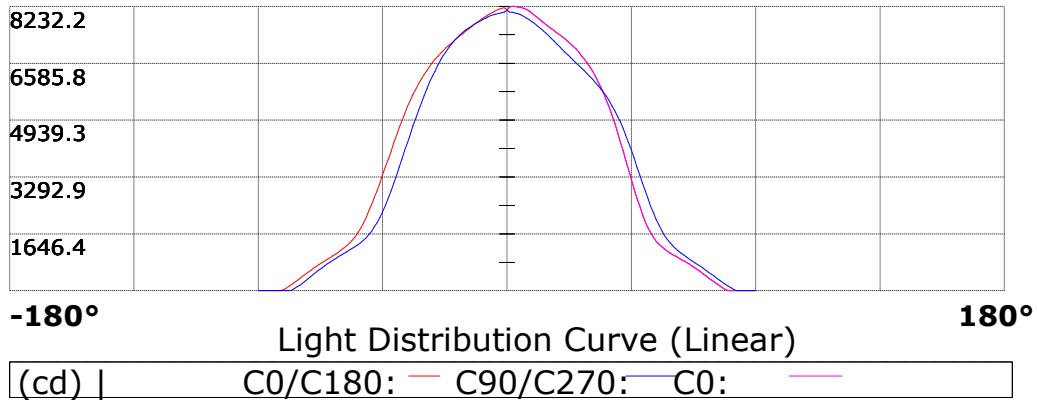
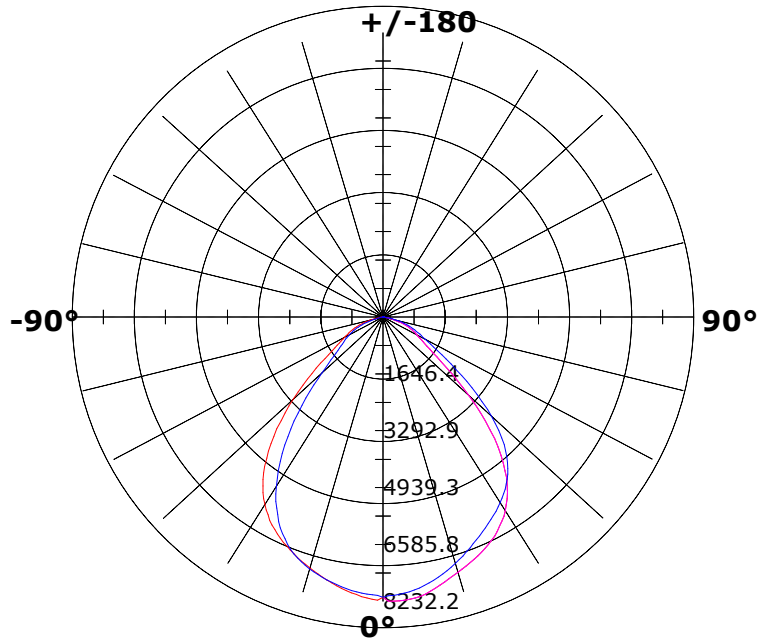


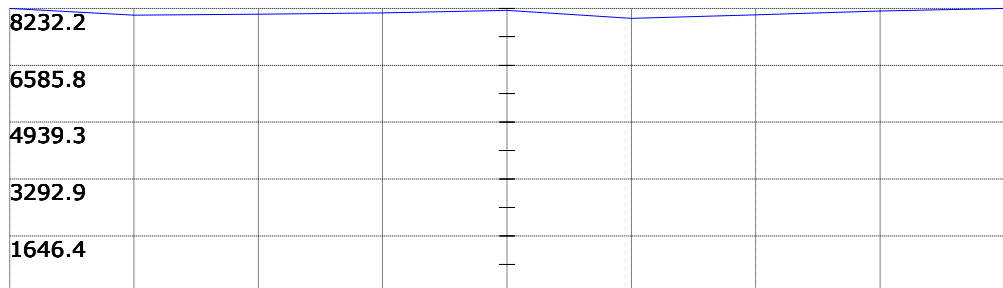
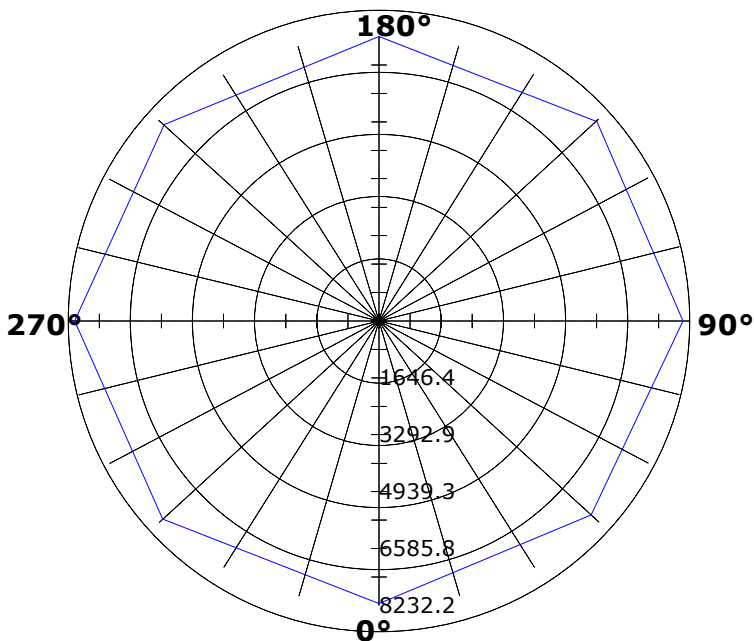


## Coefficient Utilization Curve



Light Distribution Curve [Unit: cd]

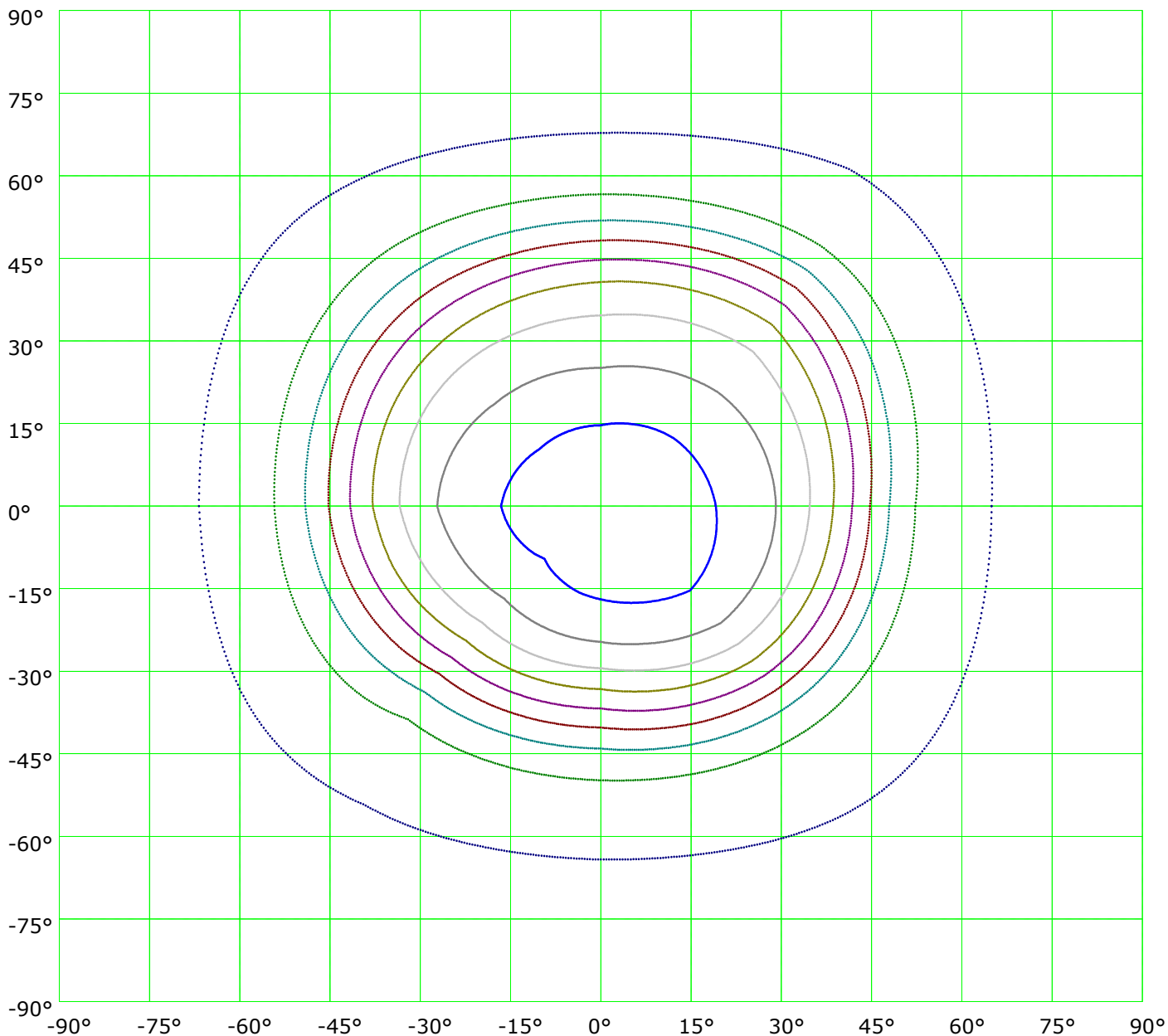




**-180°** Light Distribution Curve (Linear) **180°**  
 (cd) | ?2: —



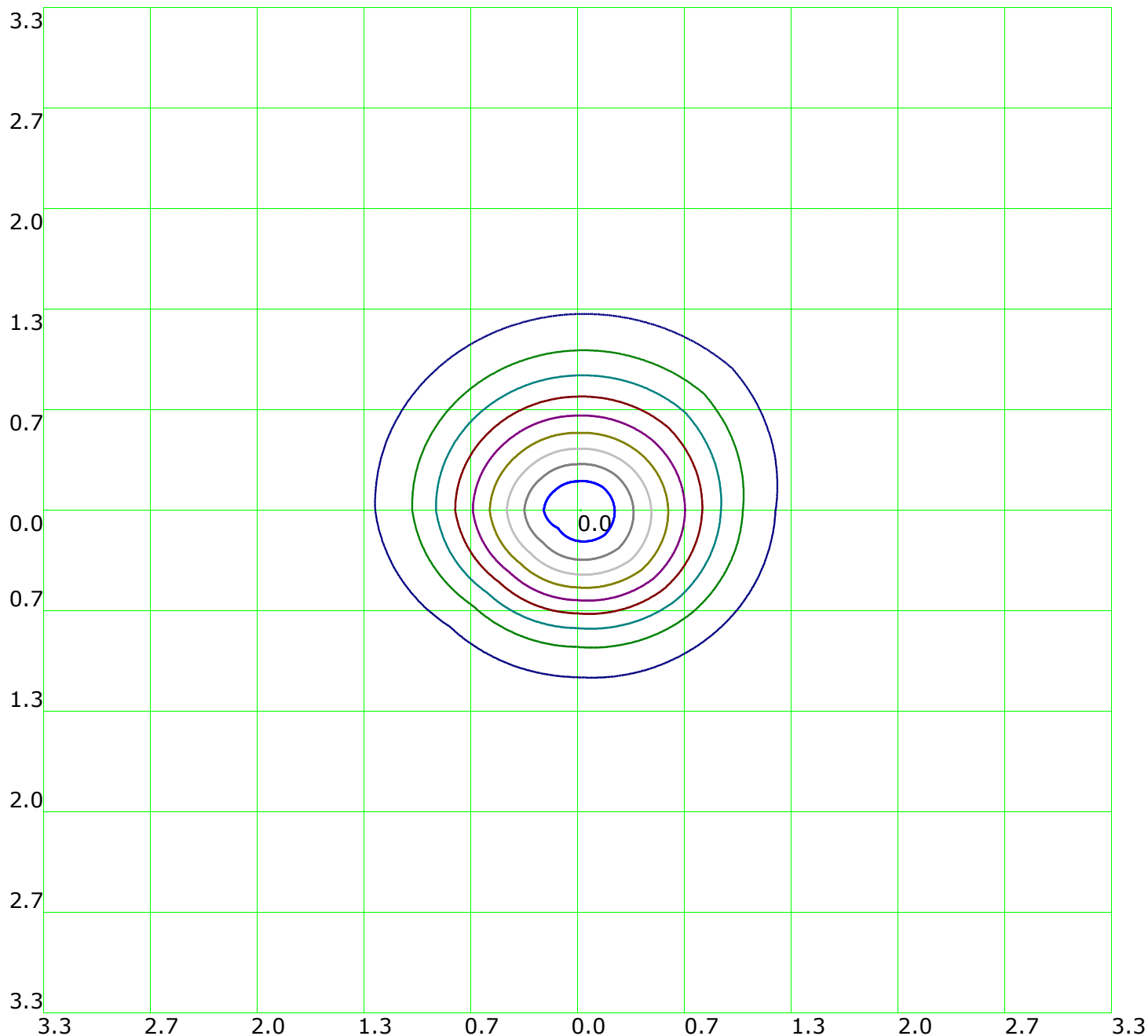
## Isocandela(rectangle)



(10%): 823.2cd	(20%): 1646.4cd	(30%): 2469.7cd	(40%): 3292.9cd
(50%): 4116.1cd	(60%): 4939.3cd	(70%): 5762.5cd	(80%): 6585.8cd
(90%): 7409.cd	(100%): 8232.2cd		



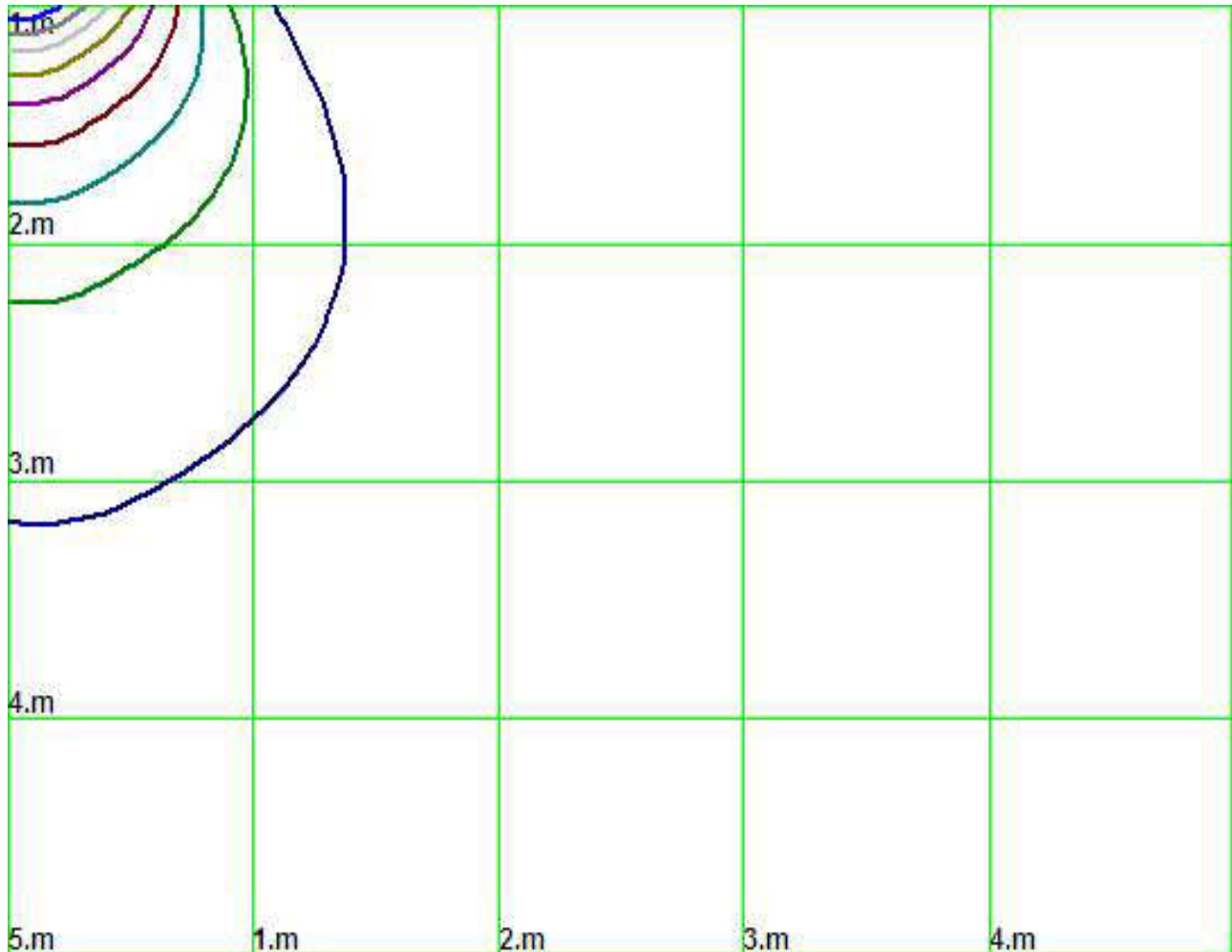
### Isolx curve



Height: 1 m

- |                   |                   |                   |                   |
|-------------------|-------------------|-------------------|-------------------|
| — (10%): 823.2lx  | — (20%): 1646.4lx | — (30%): 2469.7lx | — (40%): 3292.9lx |
| — (50%): 4116.1lx | — (60%): 4939.3lx | — (70%): 5762.5lx | — (80%): 6585.8lx |
| — (90%): 7409.lx  | — (100%): 8224.lx |                   |                   |

## Space Isolx Curve



— (10%): 823.2lx	— (20%): 1646.4lx	— (30%): 2469.7lx	— (40%): 3292.9lx
— (50%): 4116.1lx	— (60%): 4939.3lx	— (70%): 5762.5lx	— (80%): 6585.8lx
— (90%): 7409.lx	— (100%): 8224.lx		



## Luminance Limiting Curve

Diameter: 300mm

Length: 300mm

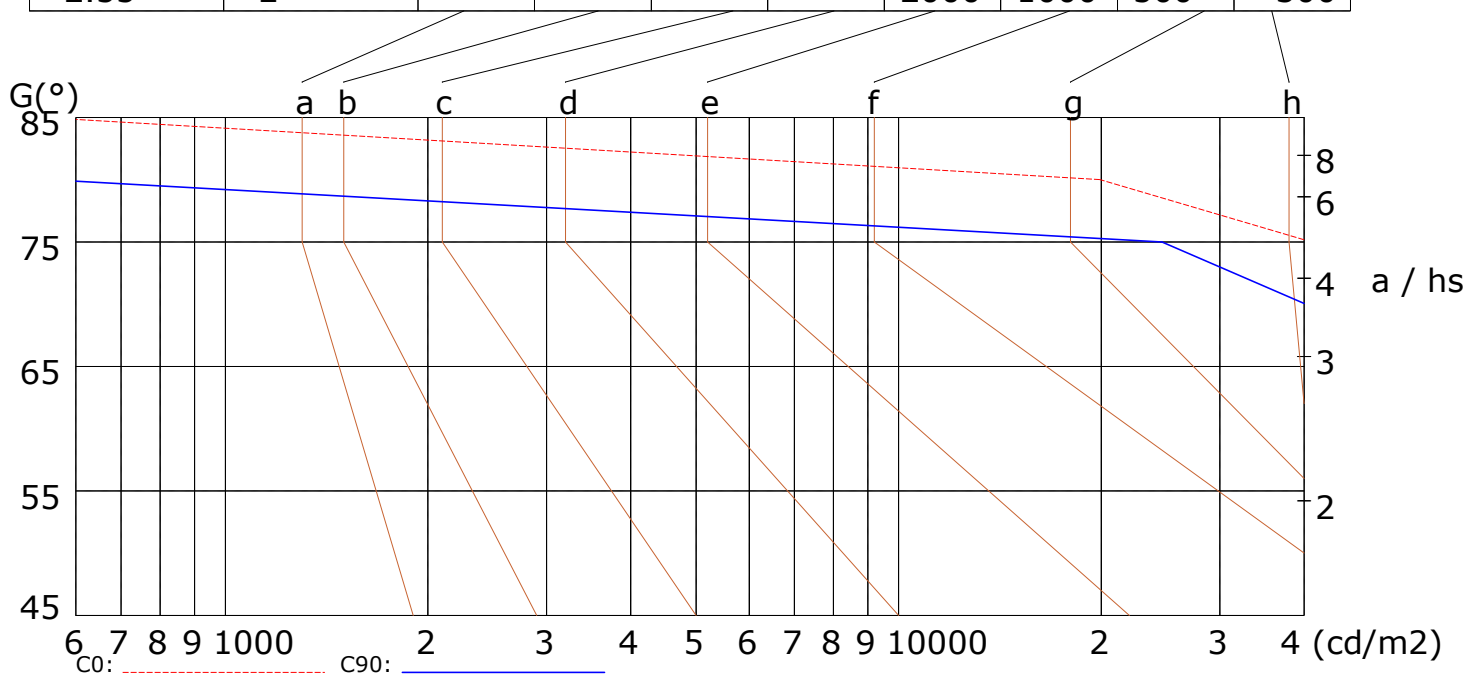
Width: 300mm

Height: 30mm

(cd/m<sup>2</sup>)

?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	14350	7112	7118	2880	65283	57675	51713	40734	
C90	11345	4777	79	58514	52329	48485	40188	24609	

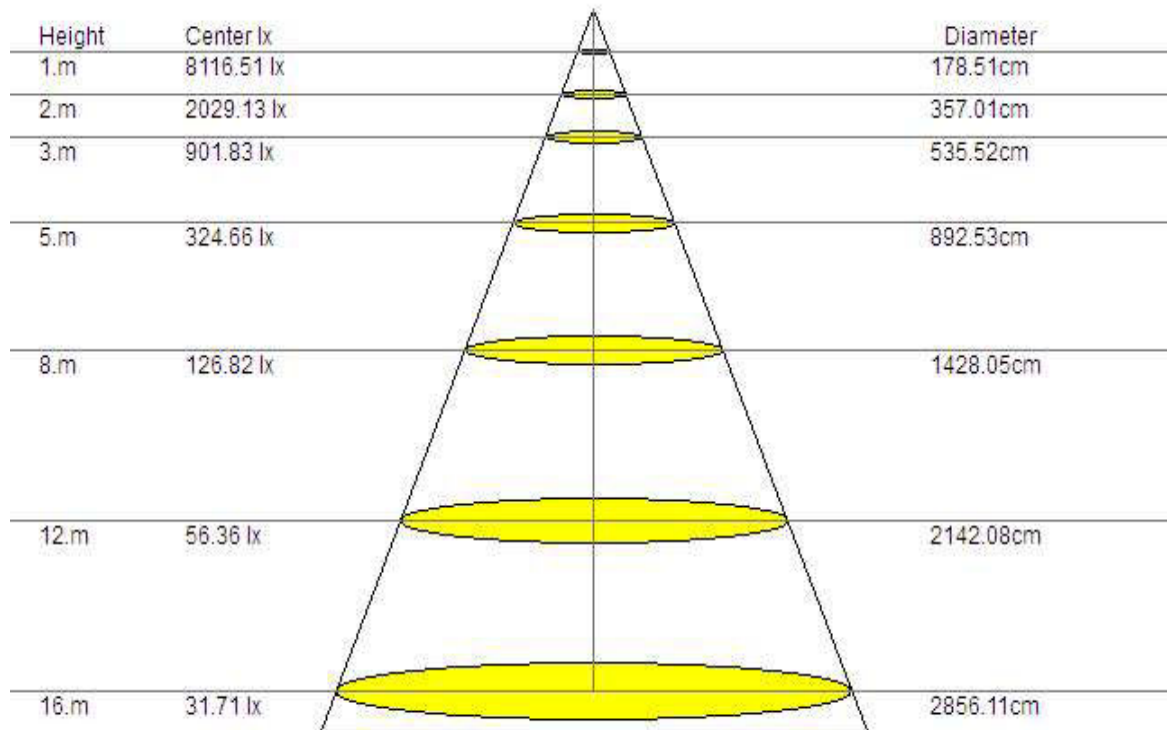
Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	=300				
1.5	B		2000	1000	500	=300			
1.85	C			2000	1000	500	=300		
2.2	D				2000	1000	500	=300	
2.55	E					2000	1000	500	=300



Lum. Limiting Curve (C0/C90)



## Lux-Distance Curve



Beam Angle: 83.50° (50% I<sub>max</sub>)

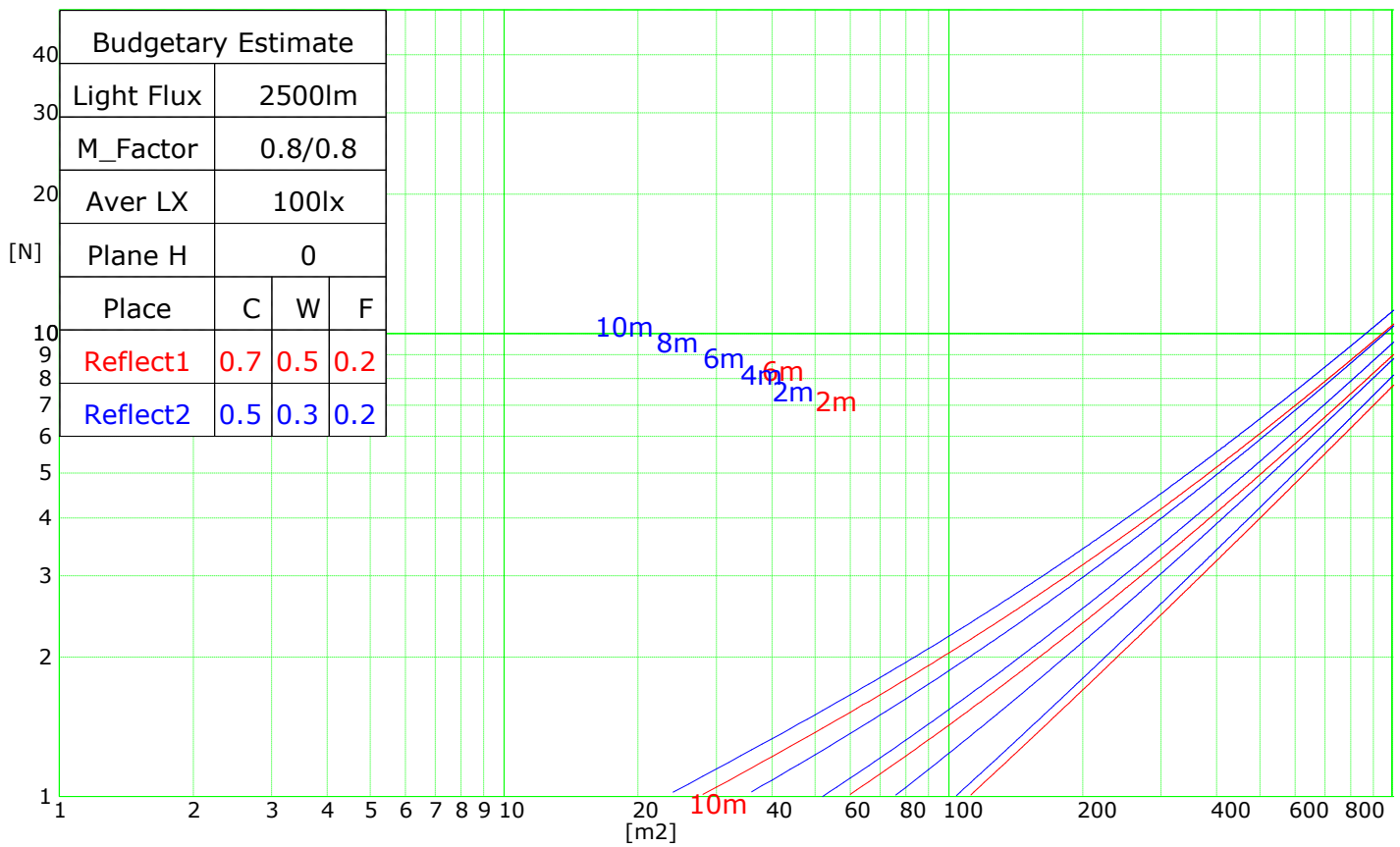


## Coefficients of Utilization

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	6.86	6.86	6.86	6.70	6.70	6.70	6.40	6.40	6.40	6.13	6.13	6.13	5.88	5.88	5.88	5.76
1	6.32	6.24	6.18	6.23	6.14	6.07	6.00	5.90	5.82	5.70	5.60	5.51	5.31	5.20	5.11	4.81
2	5.62	5.50	5.42	5.55	5.42	5.32	5.38	5.22	5.09	5.15	4.98	4.83	4.85	4.67	4.50	4.23
3	4.99	4.87	4.78	4.96	4.80	4.68	4.84	4.64	4.48	4.66	4.44	4.25	4.44	4.19	3.98	3.73
4	4.46	4.33	4.24	4.45	4.27	4.15	4.37	4.14	3.97	4.24	3.98	3.77	4.07	3.78	3.55	3.31
5	4.01	3.87	3.78	4.01	3.83	3.70	3.96	3.72	3.54	3.87	3.59	3.37	3.74	3.43	3.18	2.96
6	3.62	3.48	3.40	3.63	3.45	3.33	3.61	3.36	3.18	3.55	3.25	3.03	3.46	3.13	2.87	2.66
7	3.29	3.16	3.07	3.30	3.13	3.01	3.30	3.05	2.88	3.27	2.97	2.74	3.20	2.86	2.60	2.40
8	3.00	2.87	2.80	3.02	2.85	2.74	3.04	2.79	2.62	3.02	2.72	2.50	2.98	2.63	2.37	2.18
9	2.75	2.63	2.56	2.78	2.61	2.50	2.80	2.56	2.40	2.80	2.50	2.29	2.78	2.43	2.17	2.00
10	2.53	2.42	2.35	2.56	2.40	2.30	2.60	2.36	2.20	2.61	2.31	2.10	2.59	2.25	2.00	1.83



## 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	13.9	15.1	14.2	15.1	15.6	13.7	14.9	14.0	15.0	15.5
	3H	15.5	16.4	15.7	16.7	17.0	15.2	16.3	15.7	16.9	17.0
	4H	16.2	17.0	16.4	17.6	17.6	16.0	16.9	16.2	17.6	17.7
	6H	16.6	17.6	17.0	17.8	18.0	16.5	17.4	16.8	17.7	18.0
	8H	16.9	17.8	17.1	17.8	18.3	16.8	17.6	17.0	17.9	18.2
4H	12H	17.0	17.8	17.3	18.2	18.5	16.8	17.7	17.1	18.1	18.5
	2H	14.9	15.8	14.9	15.9	16.2	14.8	15.7	14.8	15.9	16.1
	3H	16.4	17.3	16.7	17.4	17.8	16.4	17.3	16.6	17.5	17.7
	4H	17.1	18.0	17.5	18.1	18.5	17.0	17.9	17.3	18.0	18.3
	6H	17.9	18.6	18.1	18.6	19.0	17.6	18.4	18.0	18.7	18.9
8H	8H	18.0	18.7	18.4	18.8	19.3	17.9	18.6	18.3	18.9	19.2
	12H	18.2	18.8	18.6	18.9	19.3	18.0	18.7	18.4	19.1	19.3
	4H	17.6	18.1	17.8	18.3	18.8	17.3	18.1	17.7	18.3	18.8
	6H	18.3	18.8	18.6	19.1	19.3	18.2	18.7	18.6	19.2	19.4
	8H	18.6	19.0	19.1	19.3	19.7	18.5	18.9	18.9	19.3	19.8
12H	12H	18.9	19.2	19.3	19.7	20.0	18.7	19.2	19.2	19.6	20.0
	4H	17.6	18.1	18.0	18.4	18.8	17.4	18.0	17.9	18.4	18.7
	6H	18.5	18.8	18.8	19.2	19.4	18.4	18.9	18.7	19.1	19.5
	8H	18.7	19.3	19.3	19.4	19.8	18.6	19.1	19.2	19.4	19.9