



Luminaire Property

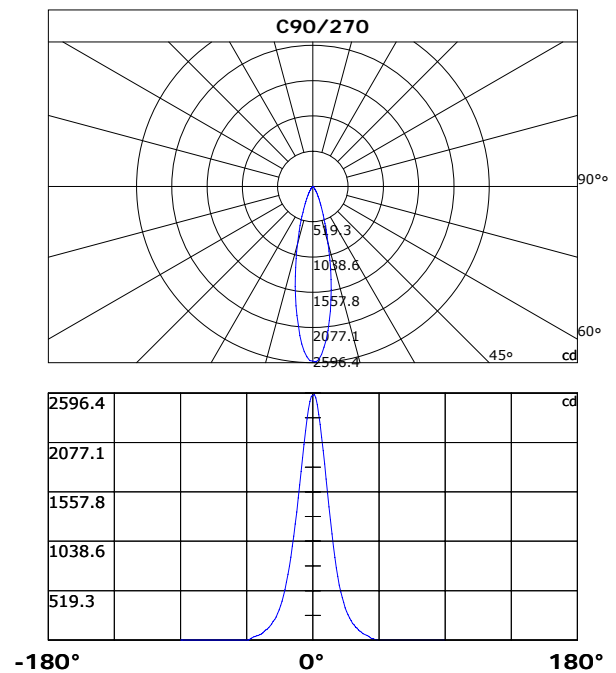
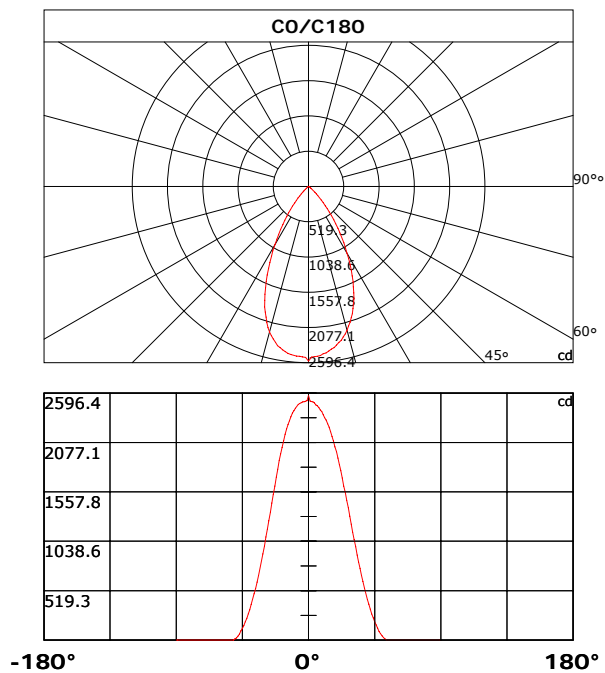
Luminaire Description: ALT-R32-1M-18LEDS-18W-3000K-10X60D
Luminaire Category: 洗墙灯
Lamp Category: LED
Lamp Description: 3030
Number of Lamp: 18
Lamp Lumens(lm): 1102.34
Luminous Length(m): 1.0
Luminous Width(m): 0.032
Luminous Height(m): 0.07

Voltage: 24.0 V
Current: 0.763 A
Power: 18.312 W
Power Factor: 1.000
Test Lab: 广州艾丽特光电科技有限公司
Photometric Type: Type C
Manufactory:

Photometric Results

CIE Class: Direct
Effective Luminous Flux: 999.99 lm
Efficiency: 60.1977 lm/W
Central Intensity: 2570.528cd
Max. Intensity: 2596.421cd
Field Angle(10%Imax): NA

Max.Intensity Angle: C:150.0 G:3.0
Beam Angle(50%Imax): L: -20.3 R:16.4
Luminaire Efficacy Rating(LER) : 100.00%
Upward Ratio: NA
Downward Ratio: NA
Beamwidth(50%Imax): H=44.77V=31.85





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	2570.5	2512.9	2506.5	2502.3	2492.9	2471.3	2464.1	2441.9	2416.7	2402.5
C30.0	2570.5	2578.6	2571.9	2547.1	2518.2	2479.7	2424.9	2375.8	2304.4	2230.4
C60.0	2570.5	2582.6	2546.3	2492.6	2416.1	2328.7	2208.6	2089.0	1967.2	1840.2
C90.0	2570.5	2581.5	2546.6	2474.4	2372.5	2264.2	2131.6	1989.4	1852.7	1692.0
C120.0	2570.5	2595.7	2580.5	2533.4	2472.3	2384.7	2272.7	2165.1	2032.1	1913.1
C150.0	2570.5	2581.2	2592.7	2596.4	2581.1	2558.8	2528.1	2484.3	2437.0	2372.0
C180.0	2570.5	2516.5	2509.9	2505.3	2503.7	2494.2	2487.1	2476.3	2457.1	2436.6
C210.0	2570.5	2570.7	2551.4	2524.6	2484.3	2443.5	2386.3	2322.0	2260.7	2186.0
C240.0	2570.5	2577.7	2539.9	2474.4	2388.9	2292.3	2179.3	2067.6	1932.9	1800.4
C270.0	2570.5	2563.6	2508.0	2430.4	2324.4	2201.3	2056.7	1914.5	1774.1	1631.2
C300.0	2570.5	2559.5	2502.8	2430.6	2329.5	2216.1	2104.9	1981.1	1859.4	1719.0
C330.0	2570.5	2537.6	2492.2	2456.2	2393.5	2338.7	2265.6	2189.4	2118.1	2036.2
C360.0	2570.5	2512.9	2506.5	2502.3	2492.9	2471.3	2464.1	2441.9	2416.7	2402.5
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	2370.0	2337.7	2313.5	2272.2	2238.2	2190.5	2139.4	2091.0	2030.5	1980.4
C30.0	2152.8	2062.9	1963.4	1849.0	1740.2	1630.2	1515.5	1418.5	1308.2	1204.9
C60.0	1701.9	1576.1	1449.6	1330.6	1209.7	1090.3	996.3	892.7	810.3	722.2
C90.0	1548.0	1399.2	1264.9	1116.4	982.7	868.1	757.8	667.1	576.4	506.7
C120.0	1771.9	1636.6	1515.3	1388.3	1268.2	1148.4	1035.5	940.7	841.0	745.9
C150.0	2296.9	2217.2	2117.3	2002.1	1889.8	1782.2	1663.5	1561.3	1443.8	1337.9
C180.0	2410.1	2387.4	2346.5	2305.4	2264.9	2218.8	2163.0	2096.4	2023.7	1957.1
C210.0	2102.8	2027.5	1942.9	1860.9	1768.5	1666.0	1584.8	1488.9	1394.4	1298.3
C240.0	1677.2	1551.1	1427.4	1297.3	1190.2	1080.1	979.1	872.4	787.7	701.2
C270.0	1494.5	1345.7	1220.2	1092.9	986.5	872.8	775.4	690.9	607.2	528.3
C300.0	1591.1	1468.6	1346.1	1217.9	1112.6	1006.5	913.3	814.2	725.3	653.9
C330.0	1943.3	1860.5	1778.5	1689.5	1599.6	1504.1	1410.8	1320.7	1240.5	1139.7
C360.0	2370.0	2337.7	2313.5	2272.2	2238.2	2190.5	2139.4	2091.0	2030.5	1980.4
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1912.4	1844.4	1780.7	1702.0	1617.7	1550.4	1466.2	1389.1	1302.9	1217.9
C30.0	1117.0	1025.1	938.7	858.2	782.2	711.2	639.1	580.2	523.0	462.4
C60.0	641.7	575.8	513.8	454.4	407.8	355.9	316.7	283.1	242.3	221.2
C90.0	447.7	395.5	337.7	299.7	267.2	231.8	204.9	173.2	160.0	136.0
C120.0	675.6	597.1	538.6	474.6	420.5	372.7	328.0	295.7	258.5	223.9
C150.0	1241.5	1152.2	1050.7	962.2	880.5	803.8	725.2	648.2	588.0	525.1
C180.0	1887.3	1794.6	1712.0	1618.4	1531.4	1439.5	1341.6	1253.7	1164.4	1084.1
C210.0	1212.7	1125.4	1044.6	971.2	882.7	813.5	743.9	683.0	616.0	562.2
C240.0	634.4	567.3	493.3	442.4	397.2	350.2	307.5	270.7	241.6	209.0
C270.0	468.1	408.2	362.4	319.1	279.8	243.0	216.2	196.6	167.8	149.8
C300.0	586.9	520.2	458.3	406.4	364.9	322.3	280.7	252.0	219.2	199.9
C330.0	1067.0	989.6	916.5	839.3	765.1	699.9	645.0	581.1	523.3	476.7
C360.0	1912.4	1844.4	1780.7	1702.0	1617.7	1550.4	1466.2	1389.1	1302.9	1217.9



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	1132.2	1056.0	980.7	892.8	818.6	753.0	680.2	615.3	544.7	485.5
C30.0	421.9	372.1	327.2	293.0	264.4	222.2	198.5	171.5	151.7	128.1
C60.0	191.8	172.1	148.8	133.0	117.8	100.7	88.7	80.2	65.7	58.1
C90.0	125.8	105.1	93.1	83.5	68.0	60.5	53.4	46.6	39.9	25.1
C120.0	198.5	172.1	158.0	137.3	117.7	108.6	92.7	78.9	72.6	59.2
C150.0	473.7	421.4	372.1	333.1	290.7	253.4	224.5	195.2	172.2	143.8
C180.0	987.1	904.6	830.8	754.7	679.0	609.3	543.7	486.1	431.1	373.9
C210.0	505.5	459.7	411.1	366.1	331.2	296.0	267.9	230.7	205.0	180.2
C240.0	190.5	165.8	142.0	128.1	113.0	94.3	87.0	75.5	70.0	56.4
C270.0	132.6	115.0	105.2	92.4	76.5	62.7	57.2	49.1	44.9	38.6
C300.0	169.4	147.2	138.7	117.8	106.5	93.4	77.5	72.1	56.5	53.0
C330.0	434.7	391.9	349.5	308.8	281.5	254.0	222.7	194.9	170.9	152.2
C360.0	1132.2	1056.0	980.7	892.8	818.6	753.0	680.2	615.3	544.7	485.5
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	426.2	377.2	323.5	274.3	232.3	191.1	158.7	125.6	90.0	67.4
C30.0	108.5	92.6	72.6	61.6	44.0	34.5	23.3	11.6	3.7	0.0
C60.0	48.4	43.0	34.8	26.5	22.4	16.1	6.5	4.6	0.0	0.0
C90.0	15.9	15.0	6.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	55.9	40.6	31.1	28.4	18.0	15.0	9.5	0.9	0.0	0.0
C150.0	120.1	102.1	79.5	69.6	53.1	34.9	30.4	15.3	5.5	0.0
C180.0	319.0	276.6	229.3	192.7	151.3	123.5	96.7	63.7	41.5	23.1
C210.0	154.0	133.0	120.8	98.9	84.9	70.1	54.9	43.6	31.4	20.0
C240.0	48.7	38.2	30.4	30.1	23.1	13.2	12.5	1.4	0.0	0.0
C270.0	35.6	26.1	18.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
C300.0	47.7	31.1	26.9	22.7	14.6	13.6	7.4	3.7	0.0	0.0
C330.0	137.7	115.0	99.1	82.6	69.4	57.2	45.0	34.9	24.0	13.1
C360.0	426.2	377.2	323.5	274.3	232.3	191.1	158.7	125.6	90.0	67.4
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	44.2	25.3	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C180.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C210.0	16.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330.0	10.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C360.0	44.2	25.3	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Light intensity data Unit[cd]

C\G	G90.0									
C0.0	0.0									
C30.0	0.0									
C60.0	0.0									
C90.0	0.0									
C120.0	0.0									
C150.0	0.0									
C180.0	0.0									
C210.0	0.0									
C240.0	0.0									
C270.0	0.0									
C300.0	0.0									
C330.0	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	2570.53	0.00	0.00	0.00	0.00
0.0-1.0	2563.17	2.46	2.46	0.22	0.22
1.0-2.0	2537.40	7.32	9.78	0.66	0.89
2.0-3.0	2497.31	12.04	21.82	1.09	1.98
3.0-4.0	2439.79	16.53	38.34	1.50	3.48
4.0-5.0	2372.79	20.70	59.05	1.88	5.36
5.0-6.0	2292.49	24.52	83.57	2.22	7.58
6.0-7.0	2208.04	27.93	111.50	2.53	10.11
7.0-8.0	2117.70	30.96	142.46	2.81	12.92
8.0-9.0	2021.65	33.55	176.01	3.04	15.97
9.0-10.0	1921.71	35.69	211.69	3.24	19.20
10.0-11.0	1822.53	37.41	249.10	3.39	22.60
11.0-12.0	1723.81	38.77	287.87	3.52	26.11
12.0-13.0	1618.54	39.67	327.54	3.60	29.71
13.0-14.0	1520.91	40.18	367.72	3.65	33.36
14.0-15.0	1421.50	40.39	408.12	3.66	37.02
15.0-16.0	1327.87	40.29	448.40	3.65	40.68
16.0-17.0	1237.89	39.96	488.36	3.62	44.30
17.0-18.0	1149.09	39.36	527.71	3.57	47.87
18.0-19.0	1064.71	38.52	566.23	3.49	51.37
19.0-20.0	991.01	37.63	603.85	3.41	54.78
20.0-21.0	916.28	36.62	640.48	3.32	58.10
21.0-22.0	845.60	35.41	675.88	3.21	61.31
22.0-23.0	778.99	34.09	709.97	3.09	64.41
23.0-24.0	716.42	32.69	742.67	2.97	67.37
24.0-25.0	657.86	31.25	773.91	2.83	70.21
25.0-26.0	601.26	29.72	803.64	2.70	72.90
26.0-27.0	550.54	28.18	831.82	2.56	75.46
27.0-28.0	500.58	26.61	858.43	2.41	77.87
28.0-29.0	455.68	25.02	883.45	2.27	80.14
29.0-30.0	413.64	23.47	906.92	2.13	82.27
30.0-31.0	373.60	21.91	928.83	1.99	84.26
31.0-32.0	338.11	20.39	949.21	1.85	86.11
32.0-33.0	303.38	18.90	968.11	1.71	87.82
33.0-34.0	272.08	17.41	985.53	1.58	89.40
34.0-35.0	242.34	15.98	1001.50	1.45	90.85
35.0-36.0	216.18	14.60	1016.10	1.32	92.18
36.0-37.0	191.34	13.29	1029.39	1.21	93.38
37.0-38.0	168.76	12.02	1041.41	1.09	94.47
38.0-39.0	146.18	10.75	1052.16	0.98	95.45
39.0-40.0	126.48	9.51	1061.67	0.86	96.31



Zonal Luminous Flux Data

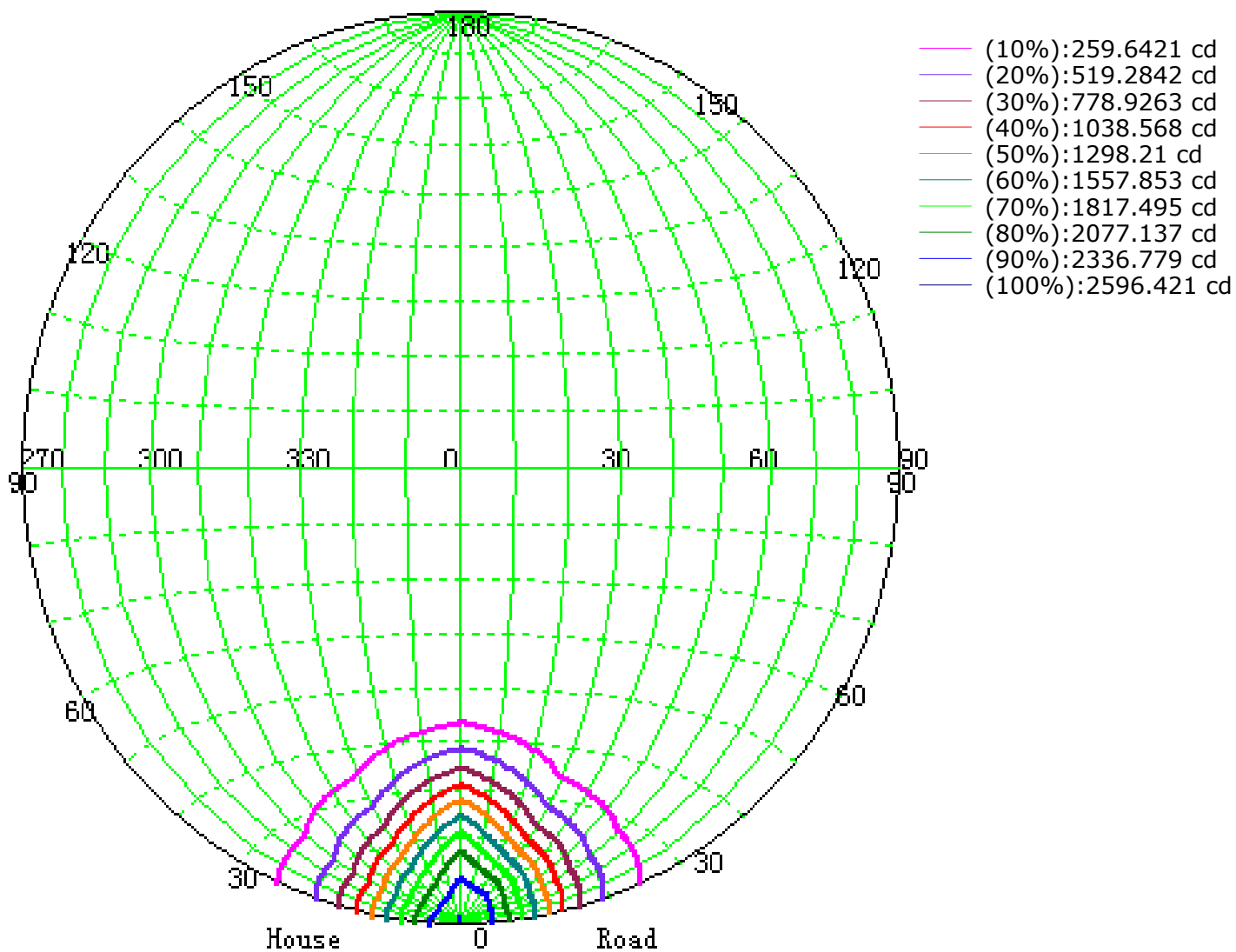
Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	107.55	8.33	1070.01	0.76	97.07
41.0-42.0	89.38	7.15	1077.16	0.65	97.72
42.0-43.0	74.78	6.08	1083.24	0.55	98.27
43.0-44.0	59.43	5.07	1088.31	0.46	98.73
44.0-45.0	47.43	4.11	1092.41	0.37	99.10
45.0-46.0	37.08	3.31	1095.72	0.30	99.40
46.0-47.0	25.45	2.49	1098.21	0.23	99.63
47.0-48.0	16.35	1.69	1099.90	0.15	99.78
48.0-49.0	10.30	1.09	1100.99	0.10	99.88
49.0-50.0	7.12	0.73	1101.72	0.07	99.94
50.0-51.0	2.85	0.42	1102.14	0.04	99.98
51.0-52.0	0.97	0.16	1102.30	0.01	100.00
52.0-53.0	0.00	0.04	1102.34	0.00	100.00
53.0-54.0	0.00	0.00	1102.34	0.00	100.00
54.0-55.0	0.00	0.00	1102.34	0.00	100.00
55.0-56.0	0.00	0.00	1102.34	0.00	100.00
56.0-57.0	0.00	0.00	1102.34	0.00	100.00
57.0-58.0	0.00	0.00	1102.34	0.00	100.00
58.0-59.0	0.00	0.00	1102.34	0.00	100.00
59.0-60.0	0.00	0.00	1102.34	0.00	100.00
60.0-61.0	0.00	0.00	1102.34	0.00	100.00
61.0-62.0	0.00	0.00	1102.34	0.00	100.00
62.0-63.0	0.00	0.00	1102.34	0.00	100.00
63.0-64.0	0.00	0.00	1102.34	0.00	100.00
64.0-65.0	0.00	0.00	1102.34	0.00	100.00
65.0-66.0	0.00	0.00	1102.34	0.00	100.00
66.0-67.0	0.00	0.00	1102.34	0.00	100.00
67.0-68.0	0.00	0.00	1102.34	0.00	100.00
68.0-69.0	0.00	0.00	1102.34	0.00	100.00
69.0-70.0	0.00	0.00	1102.34	0.00	100.00
70.0-71.0	0.00	0.00	1102.34	0.00	100.00
71.0-72.0	0.00	0.00	1102.34	0.00	100.00
72.0-73.0	0.00	0.00	1102.34	0.00	100.00
73.0-74.0	0.00	0.00	1102.34	0.00	100.00
74.0-75.0	0.00	0.00	1102.34	0.00	100.00
75.0-76.0	0.00	0.00	1102.34	0.00	100.00
76.0-77.0	0.00	0.00	1102.34	0.00	100.00
77.0-78.0	0.00	0.00	1102.34	0.00	100.00
78.0-79.0	0.00	0.00	1102.34	0.00	100.00
79.0-80.0	0.00	0.00	1102.34	0.00	100.00
80.0-81.0	0.00	0.00	1102.34	0.00	100.00

Zonal Luminous Flux Data

[illegible]



Iso-Candela [cd]



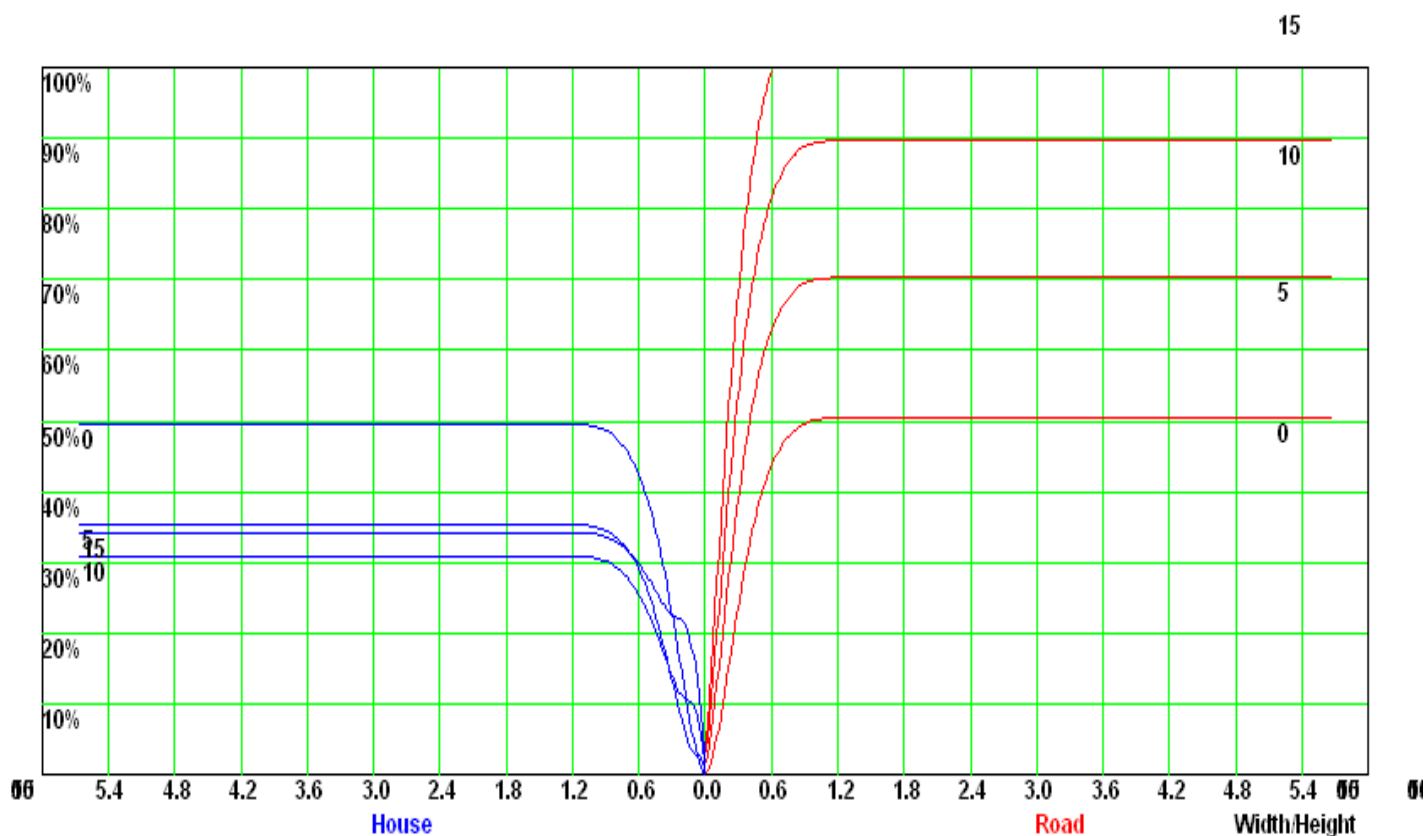


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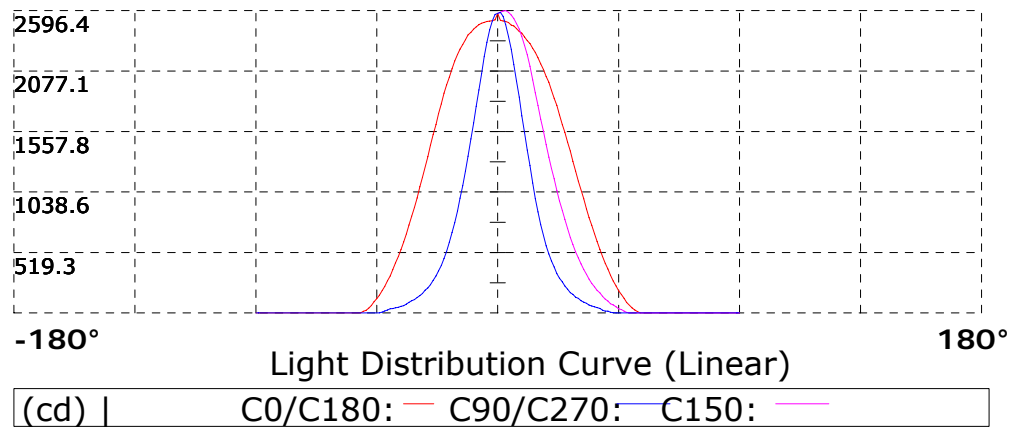
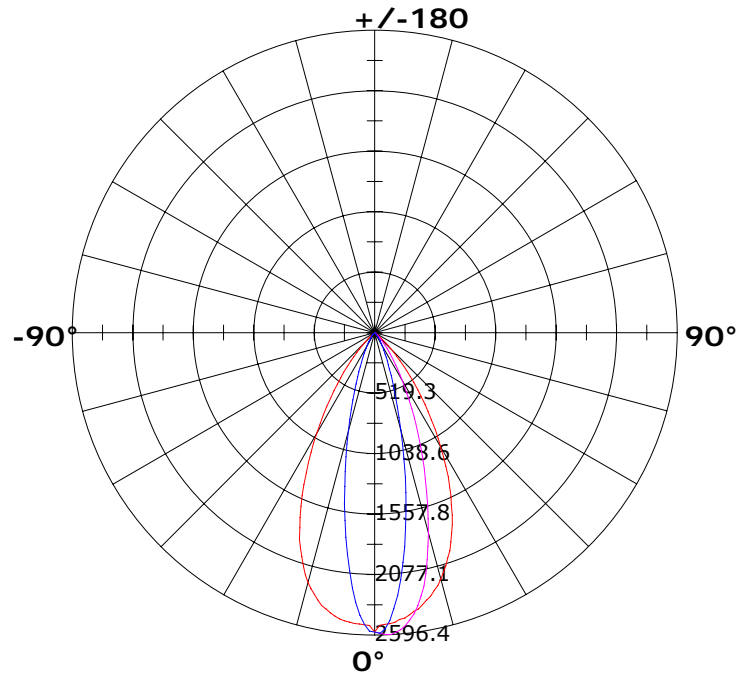
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Coefficient Utilization Curve





Light Distribution Curve [Unit: cd]





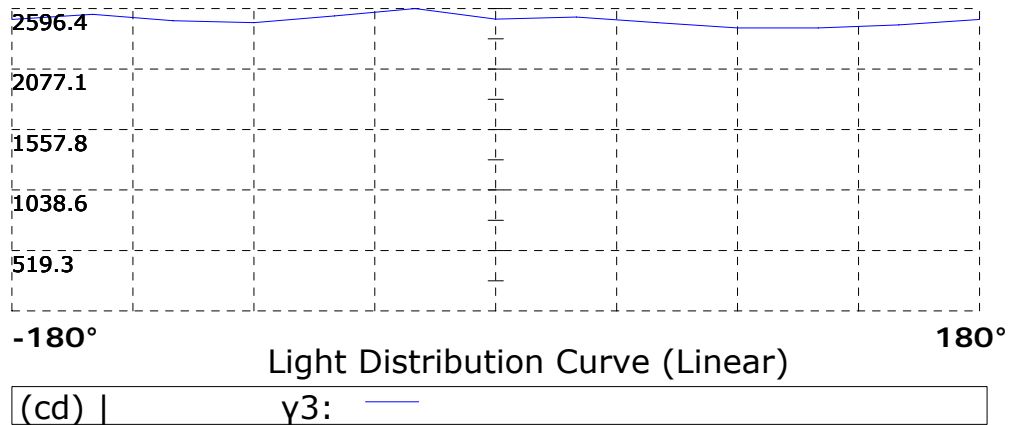
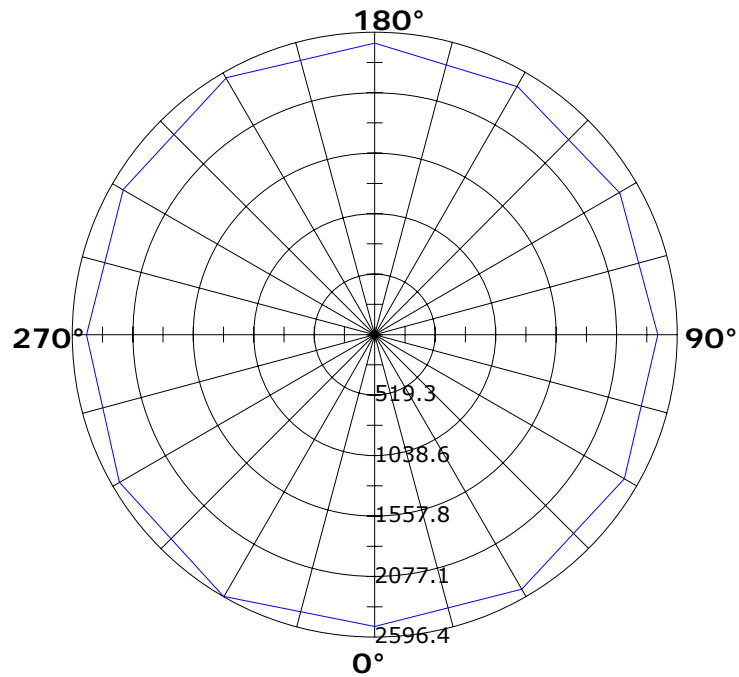
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Max Plane Light Distribution Curve [Unit: cd]

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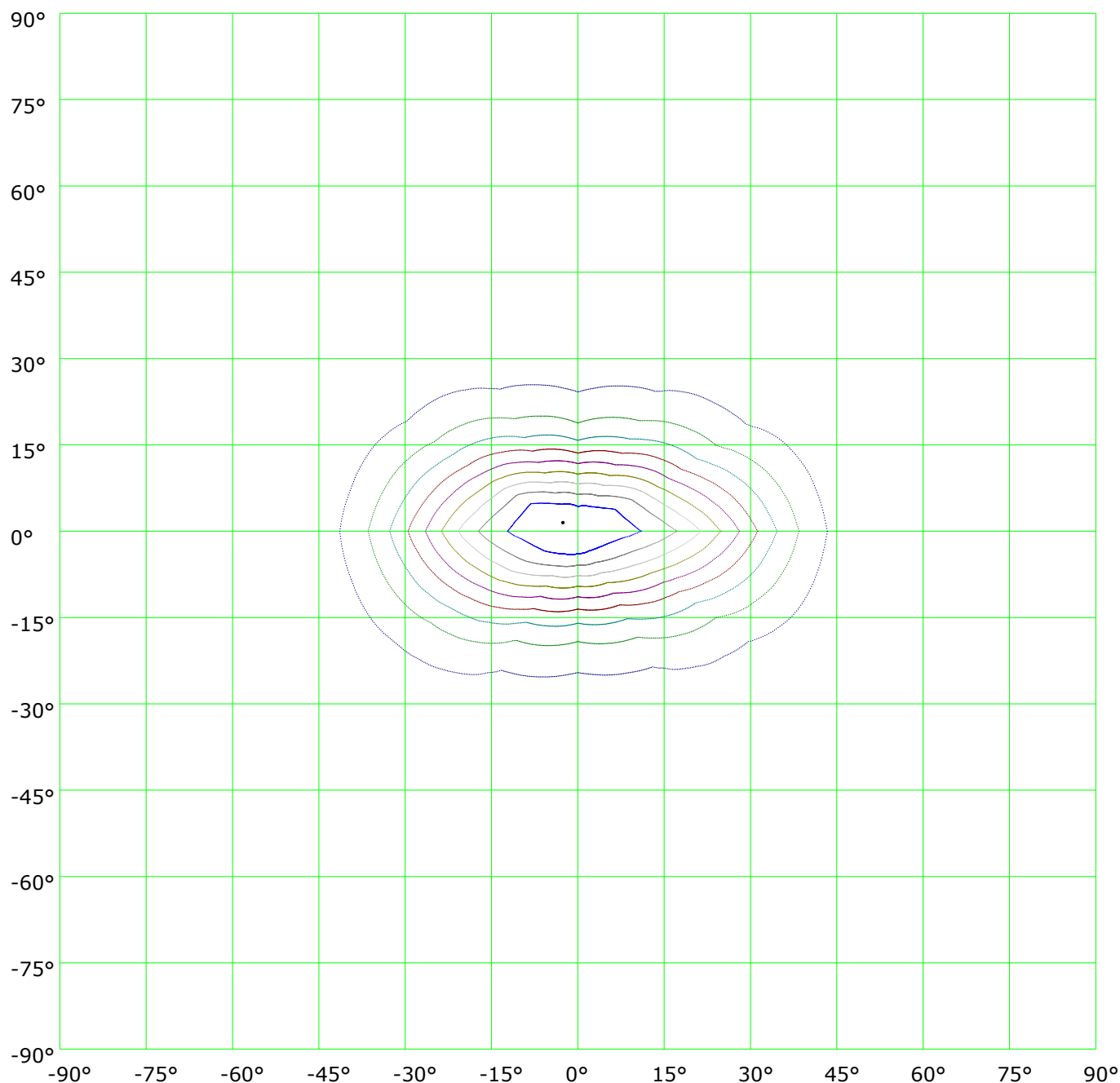


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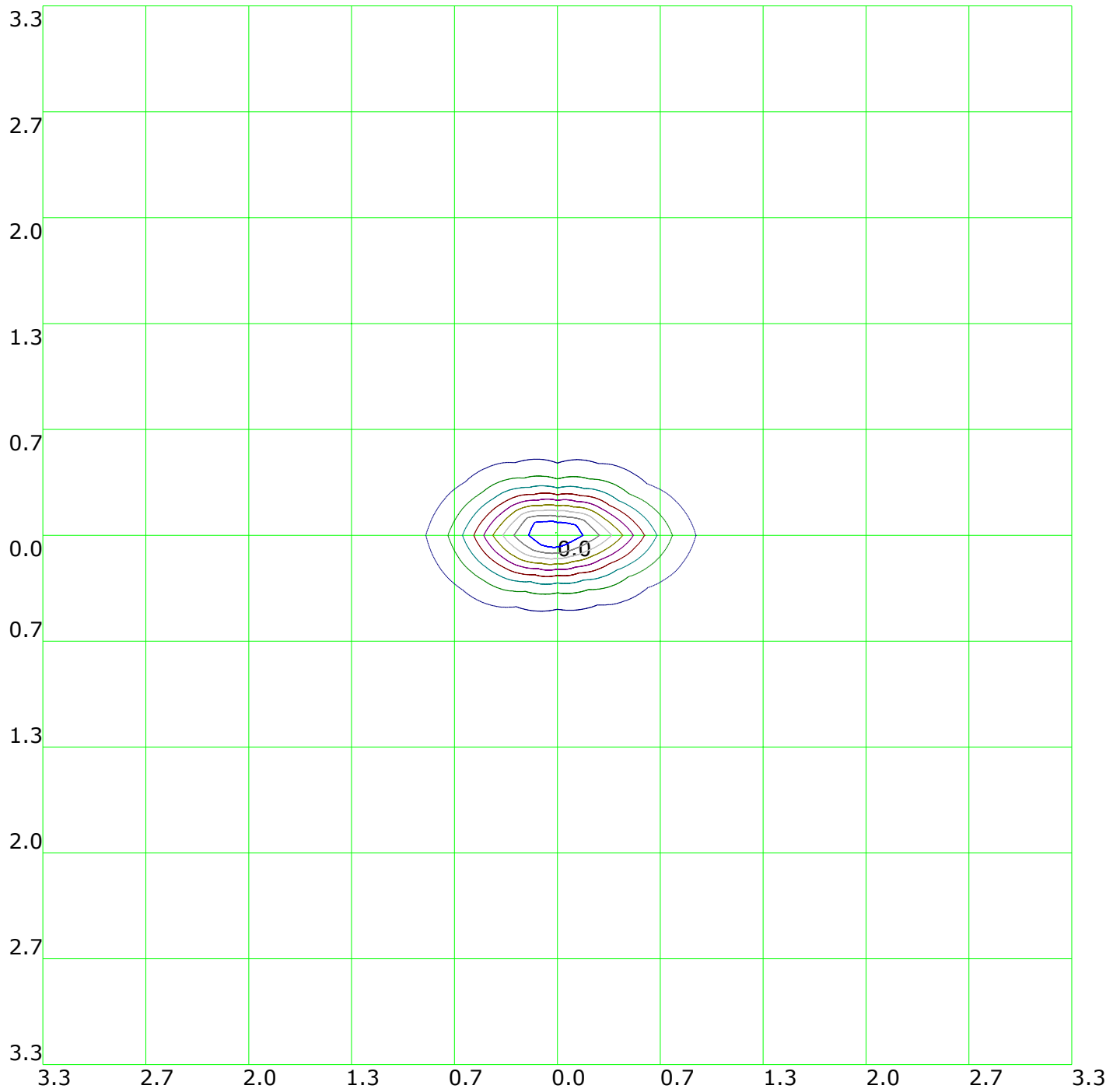
Isocandela(rectangle)



(10%): 259.6cd	(20%): 519.3cd	(30%): 778.9cd	(40%): 1038.6cd
(50%): 1298.2cd	(60%): 1557.9cd	(70%): 1817.5cd	(80%): 2077.1cd
(90%): 2336.8cd	(100%): 2596.4cd		



Isolx curve

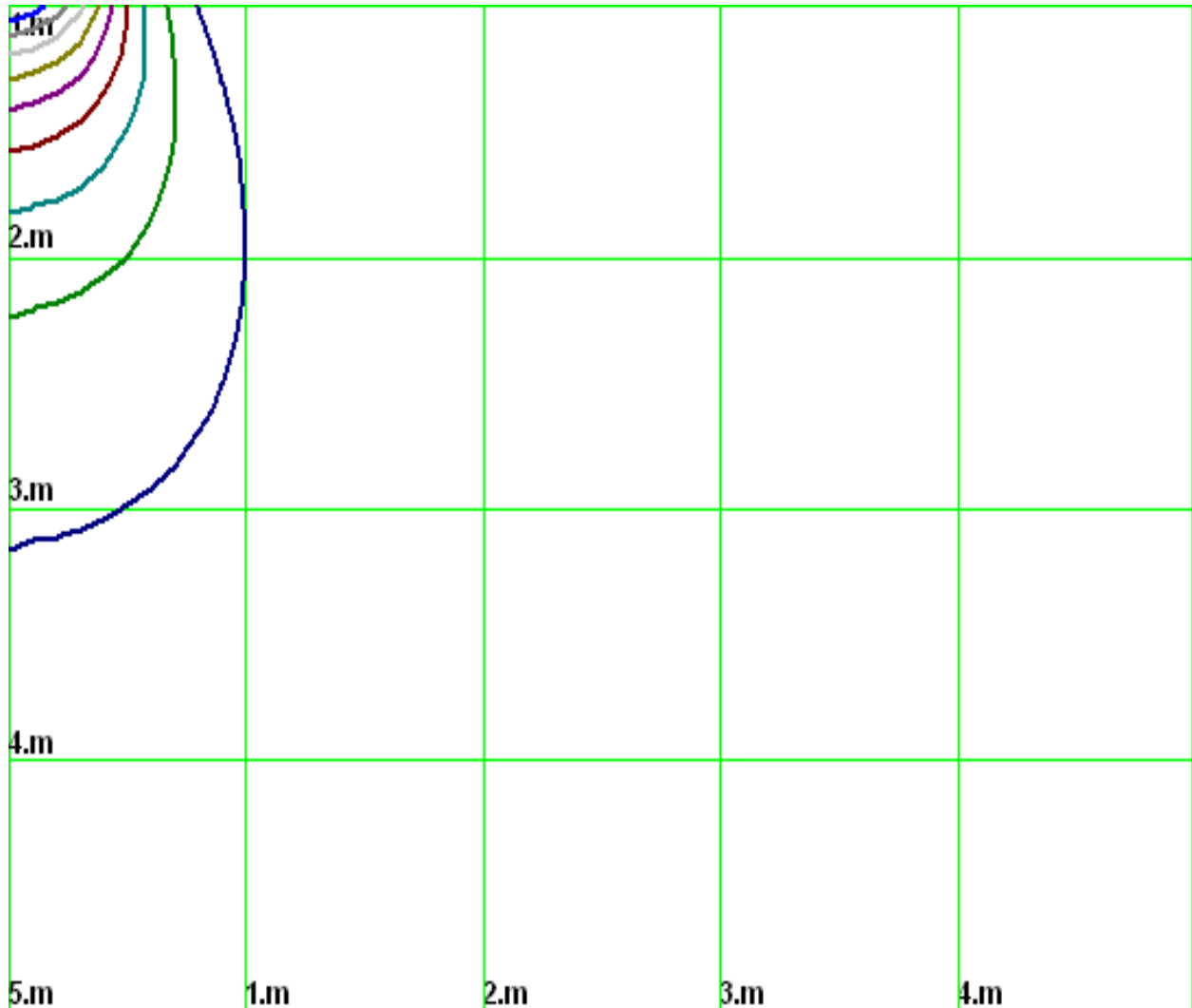


Height: 1 m

(10%): 259.6lx	(20%): 519.3lx	(30%): 778.9lx	(40%): 1038.6lx
(50%): 1298.2lx	(60%): 1557.9lx	(70%): 1817.5lx	(80%): 2077.1lx
(90%): 2336.8lx	(100%): 2593.8lx		



Space Isolx Curve



— (10%): 259.6lx	— (20%): 519.3lx	— (30%): 778.9lx	— (40%): 1038.6lx
— (50%): 1298.2lx	— (60%): 1557.9lx	— (70%): 1817.5lx	— (80%): 2077.1lx
— (90%): 2336.8lx	— (100%): 2593.8lx		



Luminance Limiting Curve

Diameter: 1000mm

Length: 1000mm

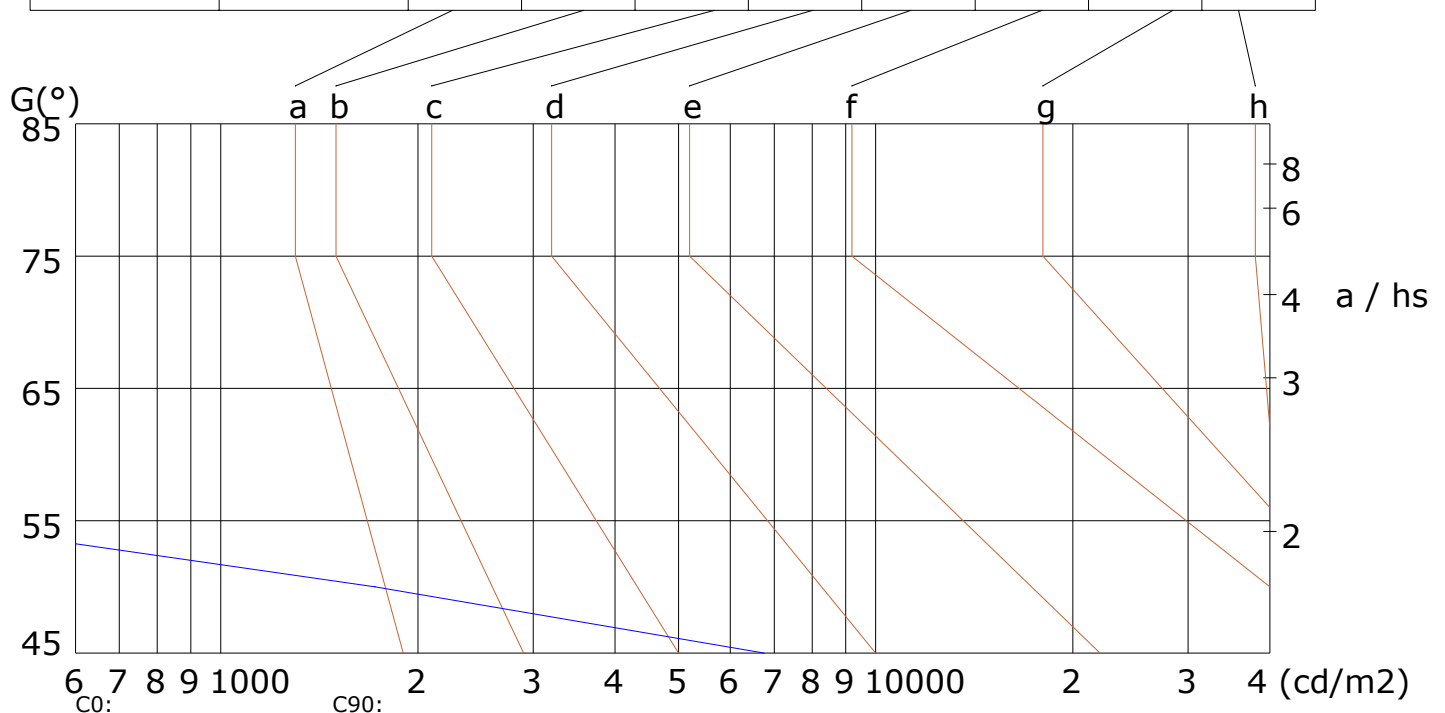
Width: 32mm

Height: 70mm

(cd/m²)

γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	0	0							
C90	6757	1719							

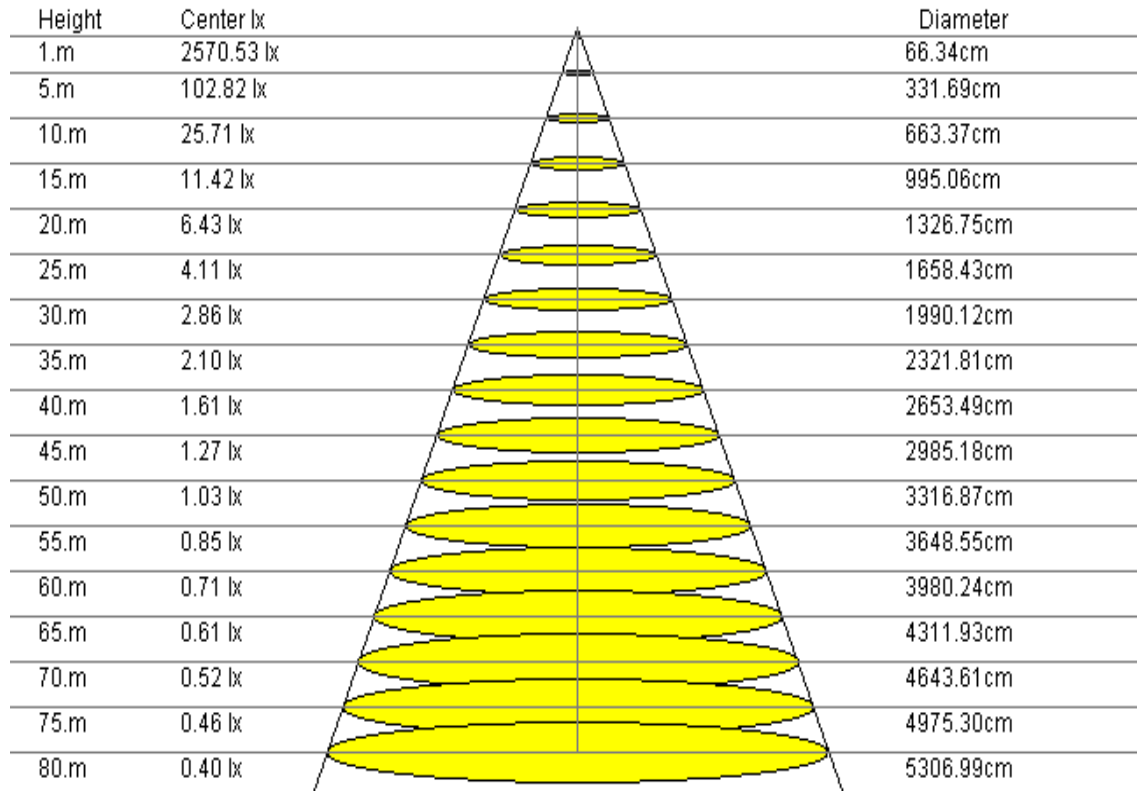
Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	≤300				
1.5	B		2000	1000	500	≤300			
1.85	C			2000	1000	500	≤300		
2.2	D				2000	1000	500	≤300	
2.55	E					2000	1000	500	≤300



Lum. Limiting Curve (C0/C90)



Lux-Distance Curve



Beam Angle:36.70°(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	1.15	1.15	1.14	1.14	1.13	1.12	1.09	1.08	1.07	1.04	1.02	1.02	0.96	0.95	0.94	0.89
2	1.09	1.08	1.08	1.08	1.06	1.05	1.04	1.02	1.01	0.99	0.97	0.95	0.93	0.91	0.89	0.84
3	1.04	1.02	1.02	1.02	1.01	0.99	0.99	0.97	0.95	0.94	0.92	0.90	0.89	0.86	0.84	0.80
4	0.98	0.97	0.96	0.97	0.95	0.94	0.94	0.91	0.90	0.90	0.87	0.85	0.85	0.82	0.80	0.75
5	0.93	0.92	0.91	0.92	0.90	0.89	0.89	0.87	0.85	0.86	0.83	0.80	0.82	0.78	0.76	0.72
6	0.89	0.87	0.87	0.88	0.86	0.85	0.85	0.82	0.80	0.82	0.79	0.76	0.79	0.75	0.72	0.68
7	0.85	0.83	0.82	0.83	0.82	0.80	0.81	0.78	0.76	0.78	0.75	0.72	0.75	0.71	0.68	0.65
8	0.81	0.79	0.78	0.80	0.78	0.77	0.78	0.75	0.73	0.75	0.72	0.69	0.72	0.68	0.65	0.62
9	0.77	0.76	0.75	0.76	0.74	0.73	0.74	0.71	0.70	0.72	0.68	0.66	0.69	0.65	0.62	0.59
10	0.74	0.72	0.72	0.73	0.71	0.70	0.71	0.68	0.66	0.69	0.65	0.63	0.67	0.63	0.59	0.56

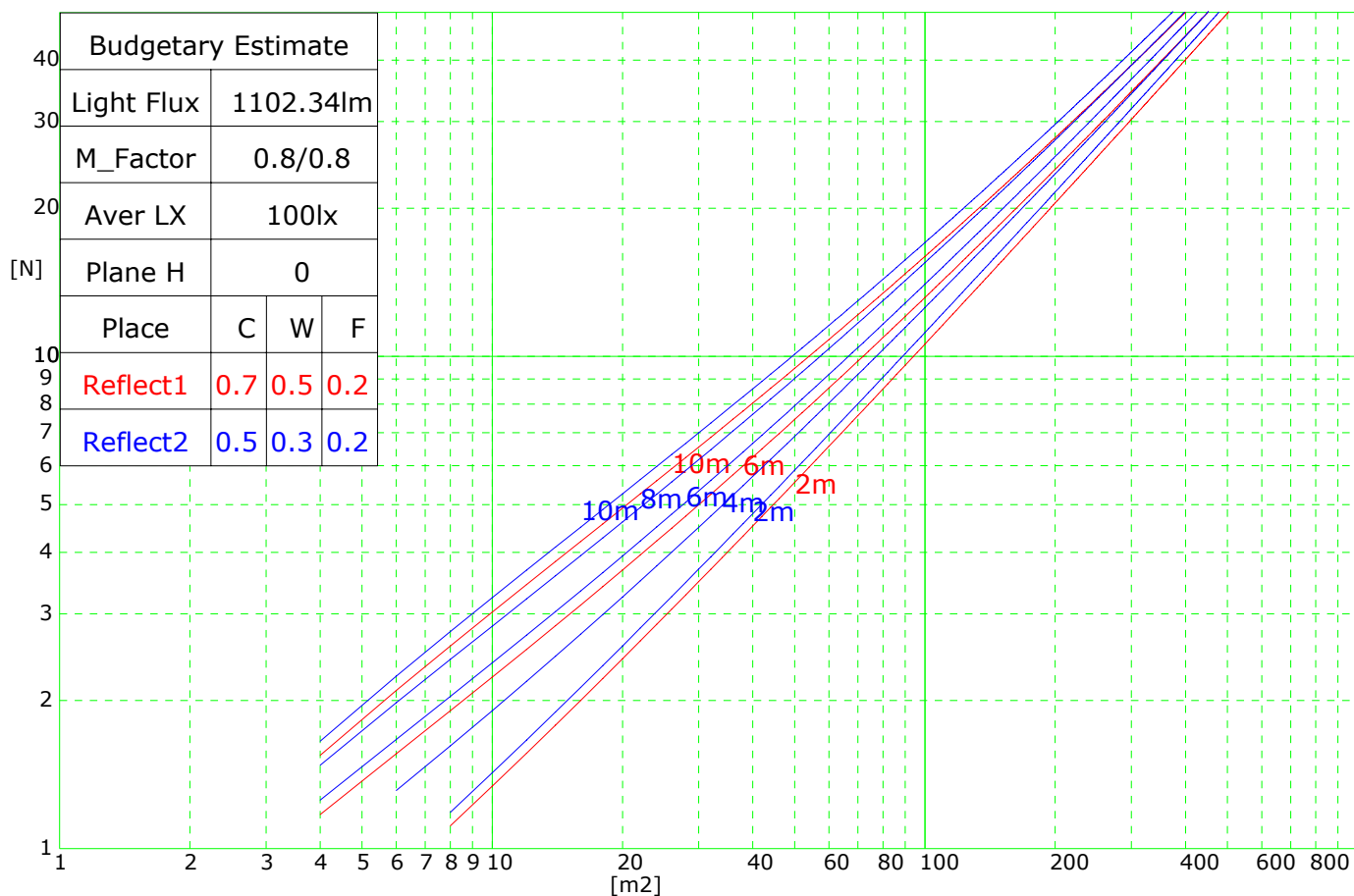


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Indoor Budgetary Estimate Chart





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	13.1	14.2	13.3	14.1	14.6	13.0	14.1	13.1	14.2	14.7
	3H	14.5	15.5	14.8	15.9	15.9	14.3	15.4	14.6	15.8	15.9
	4H	15.0	16.1	15.4	16.6	16.7	15.0	16.0	15.4	16.4	16.7
	6H	15.7	16.4	16.0	16.8	16.8	15.5	16.3	15.8	16.8	16.9
	8H	15.8	16.7	16.0	16.9	17.1	15.7	16.6	15.9	16.8	17.1
	12H	15.9	16.7	16.1	17.0	17.3	15.7	16.6	16.1	17.0	17.4
4H	2H	13.9	14.7	14.1	14.9	15.1	13.9	14.7	14.0	15.0	15.0
	3H	15.5	16.4	15.7	16.3	16.7	15.4	16.2	15.6	16.3	16.6
	4H	16.2	16.8	16.4	16.9	17.3	16.0	16.8	16.3	16.9	17.4
	6H	16.7	17.3	17.0	17.5	17.9	16.6	17.3	16.8	17.5	17.8
	8H	16.8	17.5	17.2	17.7	18.0	16.9	17.3	17.1	17.7	18.0
	12H	17.1	17.6	17.4	17.8	18.2	17.0	17.5	17.3	17.8	18.1
8H	4H	16.4	17.0	16.7	17.2	17.6	16.4	17.0	16.6	17.3	17.6
	6H	17.1	17.6	17.5	17.9	18.3	17.0	17.5	17.4	17.9	18.2
	8H	17.6	17.9	17.9	18.2	18.5	17.4	17.8	17.9	18.1	18.7
	12H	17.8	18.1	18.1	18.5	18.7	17.5	18.0	18.0	18.5	18.8
12H	4H	16.5	17.1	16.9	17.4	17.6	16.4	16.9	16.8	17.2	17.6
	6H	17.3	17.8	17.7	17.9	18.4	17.2	17.7	17.6	17.9	18.3
	8H	17.6	18.0	18.1	18.2	18.7	17.5	17.9	18.0	18.3	18.7