



Luminaire Property

Luminaire Description: **120W LED Street Light**

Luminaire Categorie: Solar Powered

Lamp Categorie:

Lamp Description:

Number of Lamp:

Lamp Lumens(lm): 7382.37

Luminous Length(m): 0.0

Luminous Width(m): 0.0

Luminous Height(m): 0.0

Voltage: 0.0 V

Current: 0.0 A

Power: 0.0 W

Power Factor: 0.000 Test Lab:

Photometric Type: Type C

Manufactory: ADS LED Illumination Sdn Bhd

Photometric Results

CIE Class: Direct

Measurement Flux: 7382.37 lm

Efficiency: NA...!

Central Intensity: 2449.127cd

Max. Intensity: 3690.795cd

Field Angle(10%Imax): Left: -138.5 Right:13.8

Max.Intensity Angle: C:0.0 G:64.0

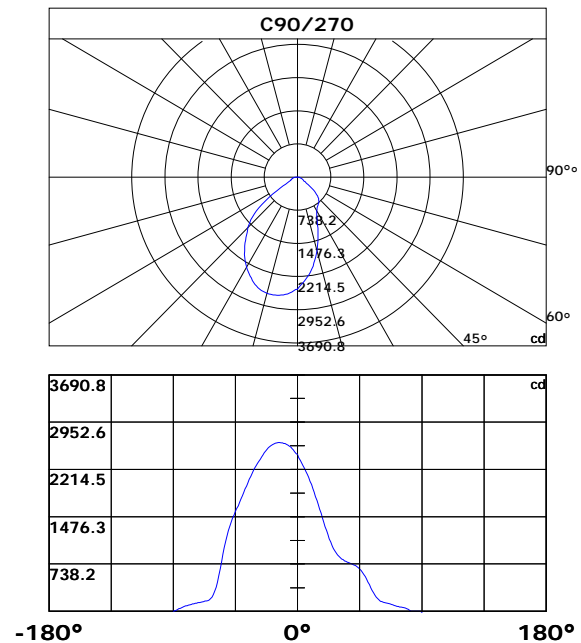
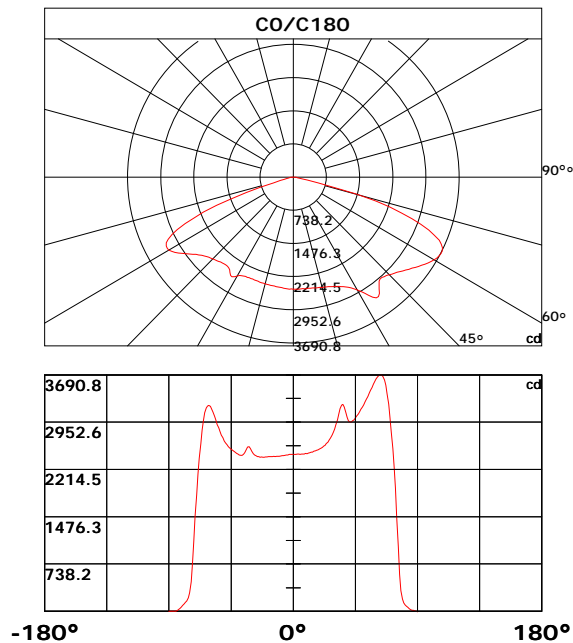
Beam Angle(50%Imax): L: -133.9 R:10.2

Luminaire Efficacy Rating(LER) : 100.00%

Upward Ratio: 0.0%

Downward Ratio: 100.0%

Beamwidth(50%Imax): C0/180=128.5 C90/270=76.2





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	2449.1	2450.8	2450.3	2452.7	2452.3	2450.2	2455.7	2455.5	2454.5	2462.0
C30.0	2449.1	2504.2	2490.9	2475.5	2455.6	2445.4	2426.4	2415.2	2399.1	2390.7
C60.0	2449.1	2419.0	2386.6	2360.7	2324.9	2293.3	2260.5	2223.0	2187.1	2151.4
C90.0	2449.1	2394.9	2352.4	2313.3	2272.4	2229.5	2183.3	2135.6	2087.7	2030.0
C120.0	2449.1	2389.1	2349.4	2315.7	2275.3	2236.3	2193.1	2149.7	2111.4	2057.3
C150.0	2449.1	2405.5	2385.8	2365.2	2339.6	2319.3	2289.0	2266.5	2239.9	2213.7
C180.0	2449.1	2447.5	2450.8	2448.7	2439.9	2438.6	2434.3	2428.9	2426.8	2426.3
C210.0	2449.1	2532.7	2549.5	2563.1	2581.4	2586.9	2599.3	2610.5	2617.4	2624.3
C240.0	2449.1	2473.5	2500.1	2523.7	2543.9	2564.1	2579.3	2594.2	2602.8	2615.8
C270.0	2449.1	2459.0	2490.7	2518.8	2541.9	2565.1	2580.8	2595.6	2606.5	2618.1
C300.0	2449.1	2443.5	2475.0	2499.9	2523.5	2545.4	2563.3	2577.3	2596.3	2604.2
C330.0	2449.1	2441.5	2460.3	2473.5	2492.4	2505.2	2518.9	2533.5	2545.4	2555.7
C360.0	2449.1	2450.8	2450.3	2452.7	2452.3	2450.2	2455.7	2455.5	2454.5	2462.0
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	2460.0	2468.0	2475.6	2482.8	2486.0	2499.0	2503.2	2512.7	2520.3	2535.3
C30.0	2374.8	2365.1	2354.4	2343.2	2333.7	2322.9	2311.7	2305.9	2300.2	2296.4
C60.0	2111.6	2070.2	2034.1	1988.5	1947.1	1902.4	1853.6	1809.6	1760.8	1709.3
C90.0	1979.1	1914.1	1858.0	1791.5	1727.9	1665.8	1597.6	1529.9	1457.5	1393.3
C120.0	2009.3	1948.1	1896.5	1835.8	1776.3	1719.4	1657.4	1602.8	1528.9	1471.8
C150.0	2185.6	2158.1	2129.9	2100.1	2069.7	2041.2	2005.5	1974.0	1939.0	1904.2
C180.0	2419.2	2418.0	2419.5	2414.6	2418.0	2415.3	2413.1	2415.9	2413.0	2409.5
C210.0	2632.8	2637.7	2643.3	2648.7	2648.2	2657.2	2664.7	2668.3	2672.0	2685.4
C240.0	2619.7	2626.5	2633.1	2632.2	2638.5	2637.3	2635.6	2630.3	2628.8	2620.5
C270.0	2621.8	2629.2	2632.4	2633.6	2636.5	2631.2	2625.0	2616.4	2606.3	2588.8
C300.0	2610.2	2620.1	2622.5	2628.8	2638.4	2642.0	2638.8	2645.5	2639.8	2641.5
C330.0	2569.3	2581.4	2590.3	2606.7	2614.6	2624.0	2637.0	2648.4	2658.3	2670.5
C360.0	2460.0	2468.0	2475.6	2482.8	2486.0	2499.0	2503.2	2512.7	2520.3	2535.3
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	2546.7	2558.9	2580.1	2592.9	2619.7	2641.0	2673.1	2705.5	2748.3	2794.5
C30.0	2292.6	2282.8	2276.1	2268.8	2266.5	2259.2	2254.6	2247.4	2241.9	2229.4
C60.0	1657.8	1610.5	1562.4	1503.1	1455.4	1399.3	1348.9	1297.2	1248.3	1207.1
C90.0	1321.2	1260.8	1201.6	1132.5	1080.8	1026.0	981.8	942.4	910.4	880.7
C120.0	1402.1	1346.6	1282.0	1224.7	1172.4	1120.7	1073.2	1022.1	986.2	951.3
C150.0	1868.0	1831.4	1794.3	1754.1	1719.9	1679.5	1643.2	1607.0	1571.1	1538.0
C180.0	2409.3	2407.5	2406.2	2409.3	2407.4	2416.3	2417.2	2428.0	2438.8	2460.5
C210.0	2709.2	2635.3	2694.2	2699.7	2711.0	2688.3	2684.0	2698.2	2704.6	2714.6
C240.0	2613.5	2599.1	2590.1	2570.9	2555.2	2535.4	2515.3	2494.2	2466.8	2444.0
C270.0	2574.7	2554.1	2526.7	2502.6	2473.8	2439.4	2409.7	2375.6	2342.4	2310.7
C300.0	2636.1	2634.9	2629.2	2626.8	2617.1	2605.5	2599.3	2579.9	2572.3	2553.1
C330.0	2684.2	2695.4	2709.5	2728.0	2741.3	2760.3	2781.8	2812.0	2846.8	2889.3
C360.0	2546.7	2558.9	2580.1	2592.9	2619.7	2641.0	2673.1	2705.5	2748.3	2794.5



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	2843.9	2916.1	2988.2	3080.9	3163.9	3219.7	3228.0	3188.4	3101.4	3032.2
C30.0	2224.3	2207.9	2187.1	2166.4	2133.5	2109.9	2095.4	2078.0	2066.4	2062.1
C60.0	1160.4	1123.1	1078.5	1049.0	1011.5	986.5	961.1	938.7	921.9	905.7
C90.0	856.3	835.4	813.9	802.8	786.2	777.8	765.6	760.8	750.7	742.7
C120.0	917.7	888.2	868.3	847.2	830.2	817.3	799.6	789.6	778.6	768.6
C150.0	1505.0	1471.9	1440.3	1412.6	1381.8	1355.3	1330.4	1306.9	1286.0	1266.5
C180.0	2498.9	2540.9	2571.3	2563.1	2522.7	2472.5	2448.7	2434.9	2436.2	2440.6
C210.0	2726.1	2744.9	2764.5	2782.1	2803.0	2816.3	2813.8	2790.1	2751.9	2706.5
C240.0	2415.3	2396.1	2364.2	2340.8	2314.4	2287.6	2262.5	2238.0	2209.1	2177.3
C270.0	2272.5	2234.3	2195.2	2151.1	2102.4	2059.7	2003.7	1956.6	1908.5	1854.0
C300.0	2538.5	2516.1	2500.1	2473.5	2446.1	2410.0	2376.4	2332.3	2296.9	2264.4
C330.0	2934.2	2976.8	3016.5	3044.0	3074.1	3093.9	3097.3	3078.8	3032.8	2971.4
C360.0	2843.9	2916.1	2988.2	3080.9	3163.9	3219.7	3228.0	3188.4	3101.4	3032.2
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	2973.6	2952.5	2955.8	2976.0	2991.8	3018.8	3049.3	3078.4	3112.6	3151.2
C30.0	2058.7	2055.7	2054.9	2056.8	2056.3	2062.9	2059.2	2054.5	2048.3	2032.8
C60.0	892.5	872.8	861.7	841.7	826.1	805.9	783.2	750.8	720.6	687.8
C90.0	733.6	723.0	714.0	694.4	678.7	660.1	636.3	607.6	576.0	539.8
C120.0	756.2	751.8	734.6	723.2	711.2	689.2	663.0	640.5	609.5	574.4
C150.0	1248.1	1232.3	1219.3	1205.6	1194.1	1185.9	1171.9	1157.4	1141.9	1120.7
C180.0	2452.7	2464.5	2483.2	2498.7	2512.9	2532.2	2549.7	2568.7	2597.6	2631.4
C210.0	2675.2	2656.2	2651.3	2653.4	2657.6	2667.4	2679.2	2690.7	2703.2	2721.6
C240.0	2150.9	2114.4	2089.2	2057.1	2030.8	2004.1	1974.1	1941.7	1899.6	1853.0
C270.0	1802.7	1751.6	1699.6	1647.5	1604.8	1560.5	1507.5	1457.1	1397.1	1336.7
C300.0	2233.8	2204.7	2173.3	2144.1	2110.9	2083.5	2046.2	2008.3	1954.0	1894.0
C330.0	2933.9	2906.7	2894.2	2896.4	2908.4	2924.5	2946.4	2975.1	3003.5	3037.3
C360.0	2973.6	2952.5	2955.8	2976.0	2991.8	3018.8	3049.3	3078.4	3112.6	3151.2
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	3186.8	3224.0	3271.2	3309.5	3356.6	3406.2	3448.0	3494.9	3544.3	3583.0
C30.0	2010.5	1981.9	1946.2	1888.7	1831.1	1745.1	1657.4	1547.5	1433.3	1305.2
C60.0	641.3	602.1	555.5	502.7	455.7	403.5	353.2	307.8	264.1	224.9
C90.0	499.3	455.0	416.9	368.4	327.3	287.3	251.1	221.0	196.2	174.8
C120.0	538.8	496.7	454.6	408.4	362.8	314.5	277.0	236.6	204.4	181.1
C150.0	1092.5	1060.8	1019.9	966.4	911.0	836.6	764.6	677.2	593.8	506.2
C180.0	2658.8	2707.9	2749.1	2804.4	2863.2	2917.6	2983.3	3045.7	3107.8	3153.2
C210.0	2741.9	2769.6	2796.2	2839.7	2873.3	2911.2	2941.1	2964.8	2979.1	2972.1
C240.0	1786.6	1722.0	1641.3	1534.2	1428.9	1297.9	1166.2	1015.8	871.1	726.4
C270.0	1260.2	1181.1	1098.5	994.2	897.0	775.6	670.7	554.2	457.5	375.7
C300.0	1820.0	1735.4	1638.0	1520.7	1399.6	1256.0	1119.2	957.3	812.2	682.0
C330.0	3077.3	3109.5	3141.8	3176.6	3198.3	3213.5	3216.3	3198.8	3169.1	3118.6
C360.0	3186.8	3224.0	3271.2	3309.5	3356.6	3406.2	3448.0	3494.9	3544.3	3583.0



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	3623.7	3657.5	3677.0	3689.9	3690.8	3665.7	3608.8	3527.9	3386.9	3235.0
C30.0	1156.9	1013.4	843.1	701.9	545.4	423.4	321.5	234.6	180.1	145.4
C60.0	198.0	174.9	155.0	146.2	134.5	127.3	121.2	114.5	108.7	103.5
C90.0	157.2	151.2	139.8	135.0	131.3	126.5	121.7	116.2	107.2	100.4
C120.0	159.9	144.3	133.0	123.2	115.4	113.8	110.8	100.6	96.4	86.3
C150.0	417.1	340.4	265.9	214.4	166.8	141.7	121.4	114.3	105.1	99.9
C180.0	3198.0	3211.3	3206.8	3171.7	3096.9	2975.6	2827.1	2613.8	2390.7	2140.4
C210.0	2952.8	2907.7	2836.7	2741.6	2611.8	2464.5	2287.2	2067.2	1859.0	1608.4
C240.0	577.3	457.3	346.3	276.6	214.4	178.4	155.6	147.9	137.5	133.7
C270.0	309.3	263.0	220.2	196.9	177.1	168.4	161.8	160.2	152.0	147.4
C300.0	537.7	429.8	336.2	266.8	214.7	185.8	163.3	153.4	150.4	139.3
C330.0	3039.0	2941.9	2808.0	2655.4	2467.2	2276.4	2068.4	1823.0	1597.6	1335.8
C360.0	3623.7	3657.5	3677.0	3689.9	3690.8	3665.7	3608.8	3527.9	3386.9	3235.0
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	3017.9	2796.6	2539.3	2247.5	1925.2	1460.7	1010.6	577.0	322.7	190.1
C30.0	131.1	117.5	115.5	102.8	99.9	93.3	89.6	84.3	79.5	52.9
C60.0	92.3	85.7	82.0	70.0	64.7	58.6	51.0	46.8	44.1	33.7
C90.0	93.0	84.3	77.9	76.0	67.4	63.5	59.5	53.1	49.2	44.5
C120.0	81.2	75.8	68.2	62.6	60.4	57.7	47.5	44.1	35.3	30.5
C150.0	89.4	83.3	75.0	67.6	60.6	54.9	45.3	36.9	31.5	23.5
C180.0	1816.1	1487.0	1098.0	757.6	459.5	291.8	211.4	163.2	142.5	113.4
C210.0	1375.7	1132.9	928.4	751.2	574.1	441.1	321.6	240.8	175.9	137.2
C240.0	128.1	117.9	116.4	106.2	99.7	91.7	90.5	82.4	79.9	69.8
C270.0	143.4	136.2	134.6	127.2	125.7	117.7	115.7	105.0	101.0	96.3
C300.0	136.9	129.2	123.8	117.0	115.1	107.9	104.0	100.6	89.6	91.3
C330.0	1105.2	877.7	702.0	546.7	407.5	313.2	234.0	184.8	138.4	106.8
C360.0	3017.9	2796.6	2539.3	2247.5	1925.2	1460.7	1010.6	577.0	322.7	190.1
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	128.7	100.2	78.3	61.3	39.0	26.5	19.6	17.2	4.0	0.0
C30.0	52.8	52.7	51.3	50.0	28.5	9.3	0.0	0.0	0.0	0.0
C60.0	32.1	24.8	21.6	10.3	5.6	0.0	0.0	0.0	0.0	0.0
C90.0	33.1	17.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	25.8	17.0	15.6	6.1	0.2	0.0	0.0	0.0	0.0	0.0
C150.0	21.1	14.6	10.4	5.3	2.4	0.0	0.0	0.0	0.0	0.0
C180.0	92.0	68.3	45.2	26.6	12.2	0.0	0.0	0.0	0.0	0.0
C210.0	109.5	87.8	79.8	74.8	67.2	52.1	36.1	20.3	0.0	0.0
C240.0	69.8	58.3	53.0	48.7	38.6	36.6	23.1	17.2	7.1	0.0
C270.0	87.9	84.5	76.9	68.4	59.0	47.1	40.1	24.4	17.6	5.5
C300.0	80.1	79.3	72.3	67.4	64.8	57.5	48.4	35.3	23.9	8.1
C330.0	88.3	76.5	66.0	57.9	51.3	42.2	33.9	23.2	15.5	6.6
C360.0	128.7	100.2	78.3	61.3	39.0	26.5	19.6	17.2	4.0	0.0



Light intensity data Unit[cd]

C\G	G90.0									
C0.0	-5.6									
C30.0	-12.6									
C60.0	0.0									
C90.0	-19.2									
C120.0	0.0									
C150.0	-13.9									
C180.0	0.0									
C210.0	0.0									
C240.0	-17.1									
C270.0	0.0									
C300.0	-0.2									
C330.0	0.0									
C360.0	-5.6									



Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	2449.13	0.00	0.00	0.00	0.00
0.0-1.0	2446.77	2.34	2.34	0.03	0.03
1.0-2.0	2445.16	7.02	9.36	0.10	0.13
2.0-3.0	2442.57	11.69	21.05	0.16	0.29
3.0-4.0	2436.92	16.33	37.39	0.22	0.51
4.0-5.0	2431.61	20.94	58.33	0.28	0.79
5.0-6.0	2423.66	25.52	83.85	0.35	1.14
6.0-7.0	2415.46	30.04	113.88	0.41	1.54
7.0-8.0	2406.24	34.51	148.39	0.47	2.01
8.0-9.0	2395.79	38.92	187.31	0.53	2.54
9.0-10.0	2382.77	43.24	230.55	0.59	3.12
10.0-11.0	2369.71	47.49	278.04	0.64	3.77
11.0-12.0	2357.48	51.68	329.72	0.70	4.47
12.0-13.0	2342.22	55.77	385.49	0.76	5.22
13.0-14.0	2327.91	59.78	445.27	0.81	6.03
14.0-15.0	2313.13	63.71	508.98	0.86	6.89
15.0-16.0	2295.28	67.53	576.51	0.91	7.81
16.0-17.0	2279.98	71.25	647.76	0.97	8.77
17.0-18.0	2260.40	74.86	722.62	1.01	9.79
18.0-19.0	2243.87	78.37	800.98	1.06	10.85
19.0-20.0	2226.28	81.82	882.80	1.11	11.96
20.0-21.0	2201.43	85.02	967.82	1.15	13.11
21.0-22.0	2187.69	88.20	1056.02	1.19	14.30
22.0-23.0	2167.77	91.39	1147.41	1.24	15.54
23.0-24.0	2151.71	94.44	1241.85	1.28	16.82
24.0-25.0	2130.89	97.38	1339.23	1.32	18.14
25.0-26.0	2115.17	100.23	1439.45	1.36	19.50
26.0-27.0	2100.79	103.14	1542.60	1.40	20.90
27.0-28.0	2089.84	106.10	1648.70	1.44	22.33
28.0-29.0	2081.10	109.12	1757.82	1.48	23.81
29.0-30.0	2074.44	112.20	1870.02	1.52	25.33
30.0-31.0	2070.98	115.36	1985.38	1.56	26.89
31.0-32.0	2065.67	118.51	2103.89	1.61	28.50
32.0-33.0	2059.46	121.53	2225.42	1.65	30.15
33.0-34.0	2047.48	124.29	2349.71	1.68	31.83
34.0-35.0	2033.88	126.75	2476.46	1.72	33.55
35.0-36.0	2015.21	128.92	2605.38	1.75	35.29
36.0-37.0	1991.09	130.66	2736.04	1.77	37.06
37.0-38.0	1961.69	131.94	2867.98	1.79	38.85
38.0-39.0	1932.67	132.93	3000.91	1.80	40.65
39.0-40.0	1909.32	134.00	3134.90	1.82	42.46

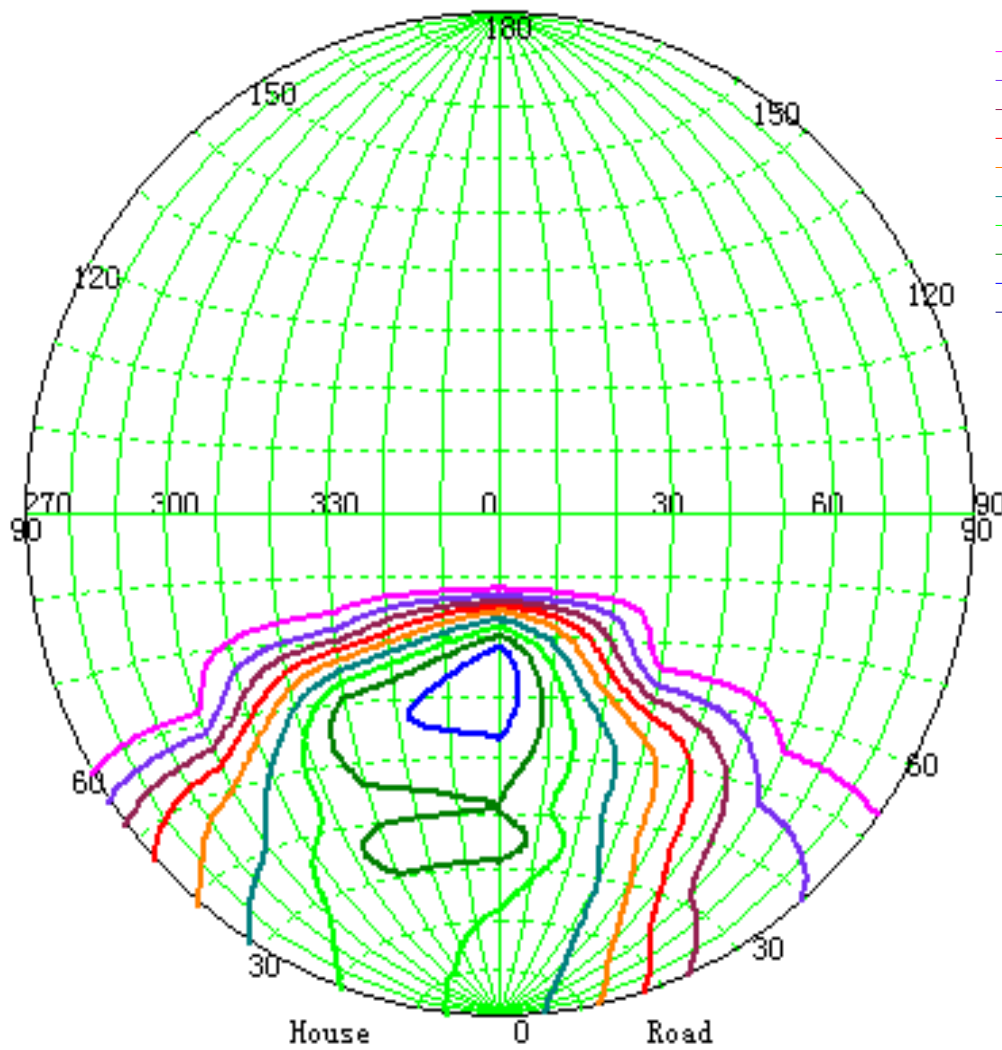


Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	1890.51	135.31	3270.21	1.83	44.30
41.0-42.0	1877.58	136.90	3407.12	1.85	46.15
42.0-43.0	1866.25	138.68	3545.80	1.88	48.03
43.0-44.0	1856.97	140.52	3686.32	1.90	49.93
44.0-45.0	1849.59	142.45	3828.77	1.93	51.86
45.0-46.0	1838.84	144.25	3973.02	1.95	53.82
46.0-47.0	1827.57	145.82	4118.84	1.98	55.79
47.0-48.0	1813.66	147.20	4266.04	1.99	57.79
48.0-49.0	1798.40	148.33	4414.37	2.01	59.80
49.0-50.0	1776.17	149.04	4563.40	2.02	61.81
50.0-51.0	1753.82	149.35	4712.75	2.02	63.84
51.0-52.0	1727.45	149.38	4862.14	2.02	65.86
52.0-53.0	1692.83	148.78	5010.92	2.02	67.88
53.0-54.0	1658.73	147.72	5158.64	2.00	69.88
54.0-55.0	1613.75	146.08	5304.72	1.98	71.86
55.0-56.0	1570.66	143.89	5448.61	1.95	73.81
56.0-57.0	1518.48	141.24	5589.86	1.91	75.72
57.0-58.0	1469.40	138.17	5728.03	1.87	77.59
58.0-59.0	1416.93	134.94	5862.97	1.83	79.42
59.0-60.0	1360.58	131.22	5994.19	1.78	81.20
60.0-61.0	1307.71	127.34	6121.52	1.72	82.92
61.0-62.0	1247.35	123.12	6244.64	1.67	84.59
62.0-63.0	1193.31	118.70	6363.34	1.61	86.20
63.0-64.0	1130.54	114.03	6477.37	1.54	87.74
64.0-65.0	1070.60	108.93	6586.30	1.48	89.22
65.0-66.0	1005.74	103.60	6689.90	1.40	90.62
66.0-67.0	931.14	97.39	6787.29	1.32	91.94
67.0-68.0	855.98	90.53	6877.82	1.23	93.17
68.0-69.0	772.97	83.10	6960.92	1.13	94.29
69.0-70.0	684.19	74.84	7035.76	1.01	95.30
70.0-71.0	593.65	66.05	7101.81	0.89	96.20
71.0-72.0	505.09	57.13	7158.94	0.77	96.97
72.0-73.0	419.37	48.34	7207.28	0.65	97.63
73.0-74.0	338.33	39.83	7247.12	0.54	98.17
74.0-75.0	262.68	31.75	7278.87	0.43	98.60
75.0-76.0	198.39	24.48	7303.35	0.33	98.93
76.0-77.0	143.25	18.21	7321.56	0.25	99.18
77.0-78.0	107.48	13.42	7334.98	0.18	99.36
78.0-79.0	82.48	10.21	7345.19	0.14	99.50
79.0-80.0	68.43	8.14	7353.33	0.11	99.61
80.0-81.0	56.84	6.77	7360.10	0.09	99.70



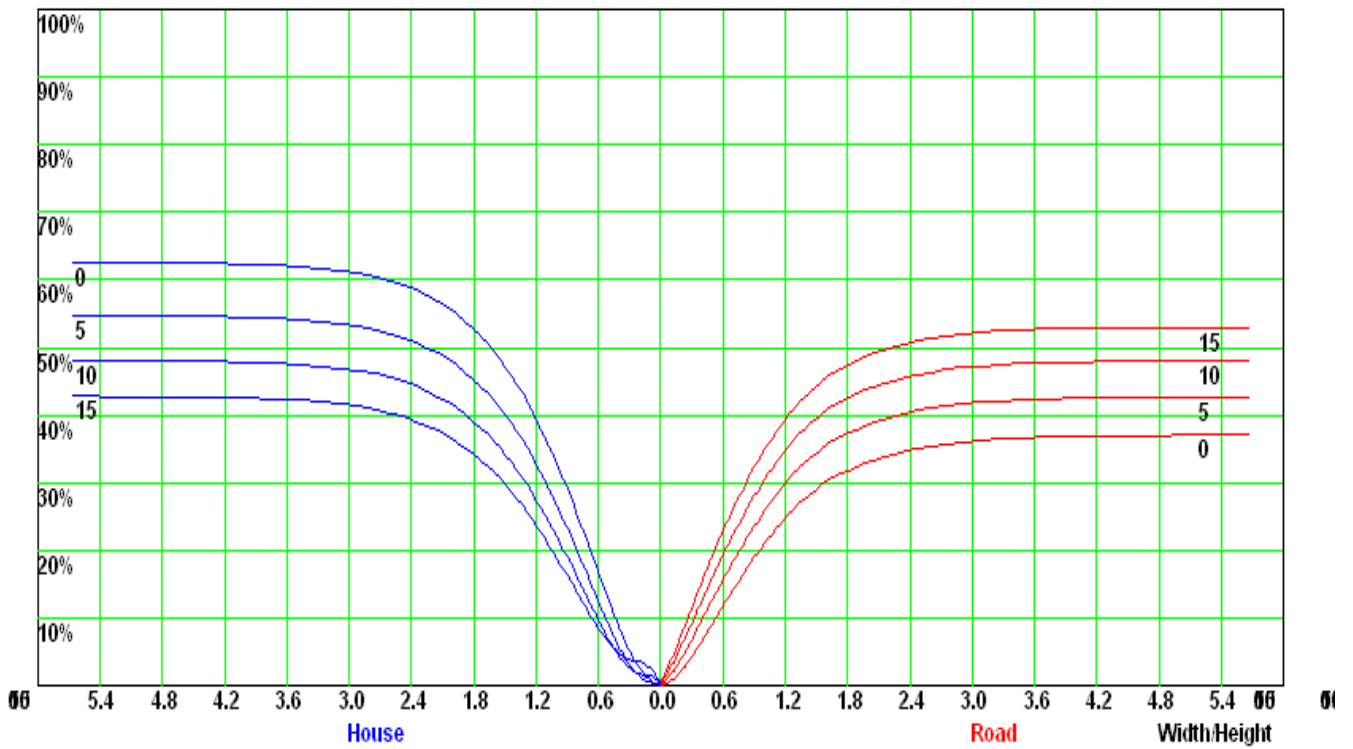
Iso-Candela [cd]



- (10%): 511.7439 cd
- (20%): 1023.488 cd
- (30%): 1535.232 cd
- (40%): 2046.976 cd
- (50%): 2558.719 cd
- (60%): 3070.463 cd
- (70%): 3582.207 cd
- (80%): 4093.951 cd
- (90%): 4605.695 cd
- (100%): 5117.439 cd

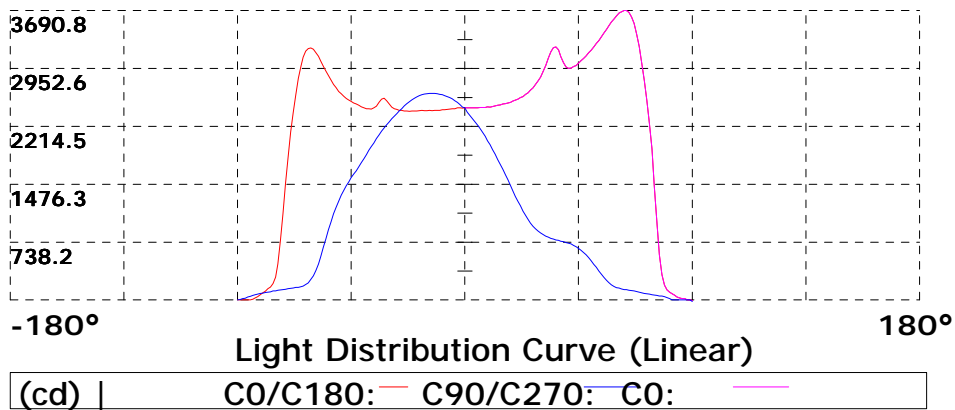
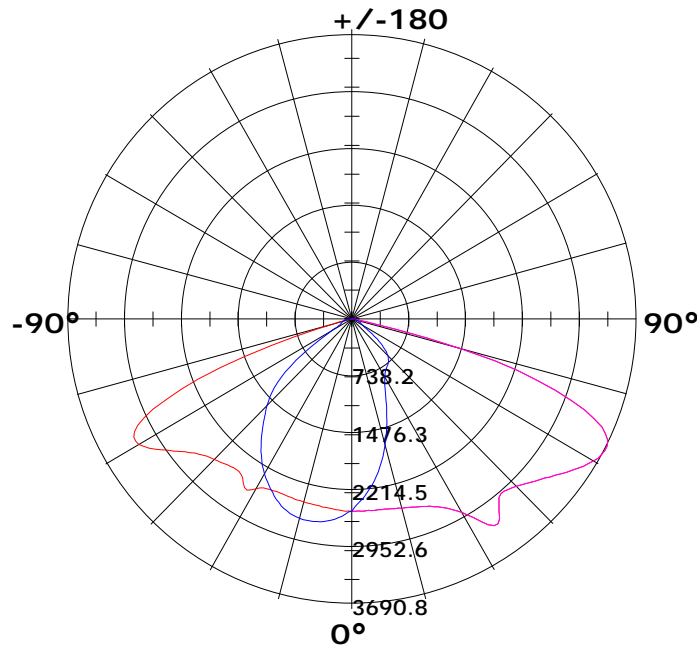


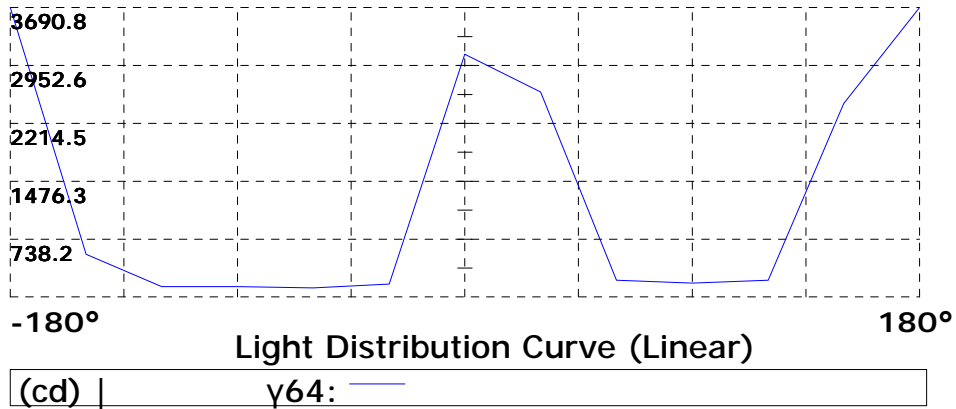
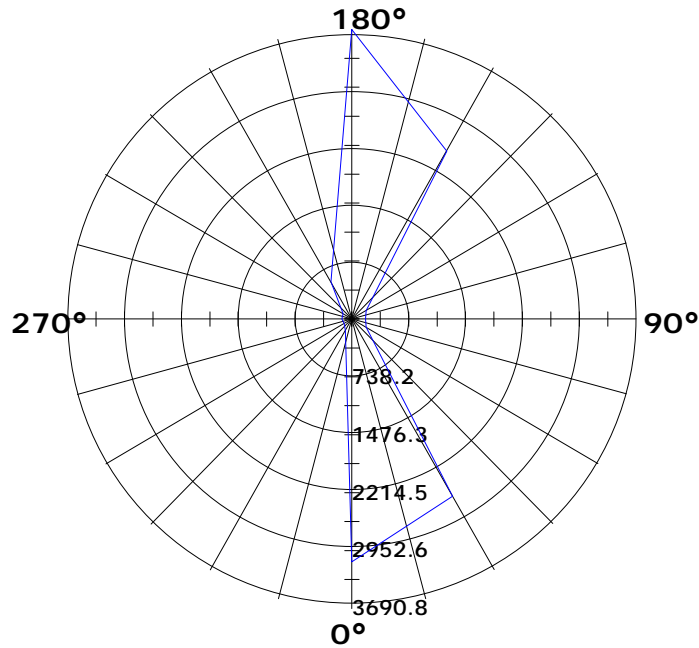
Coefficient Utilization Curve





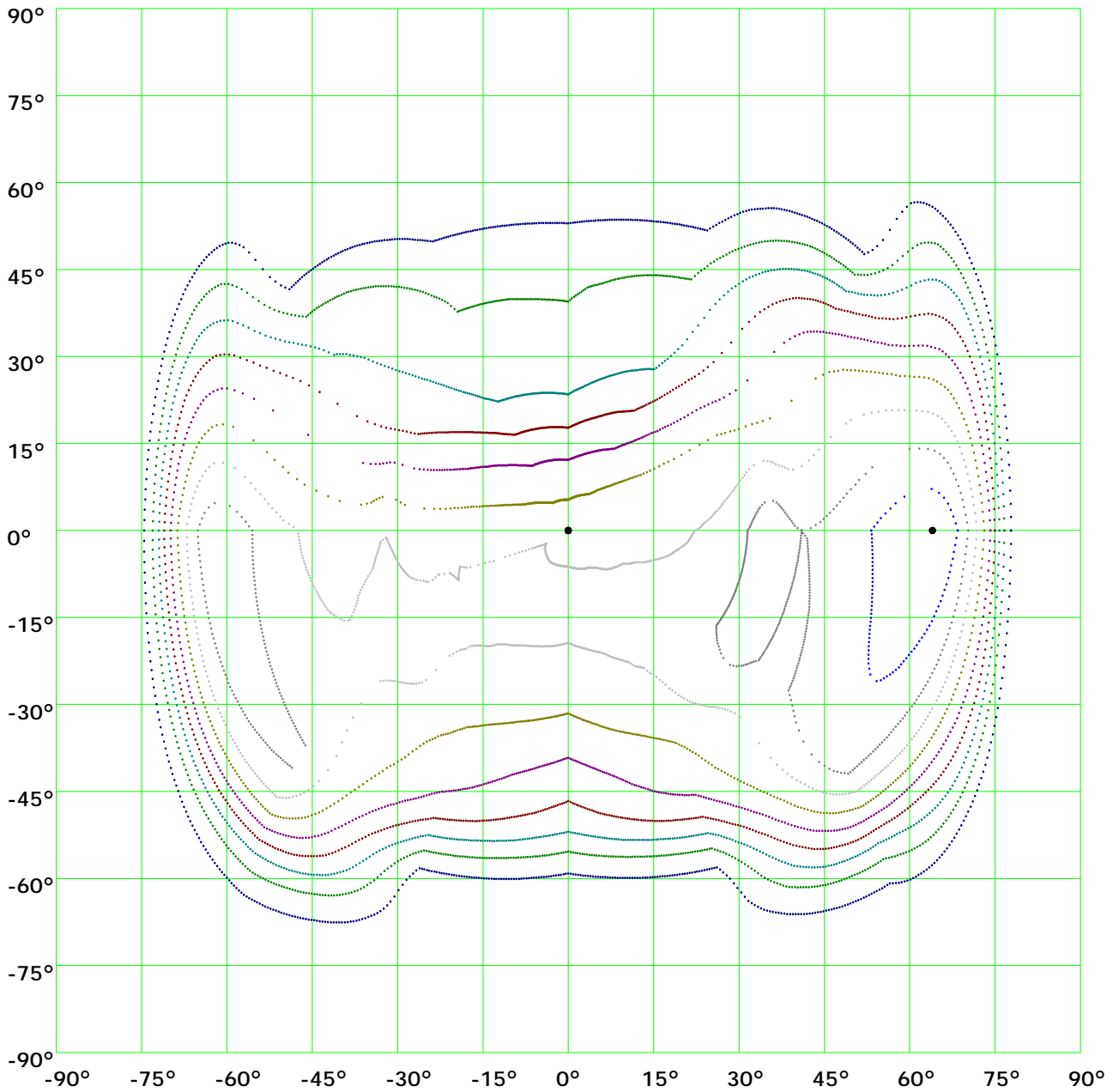
Light Distribution Curve [Unit: cd]







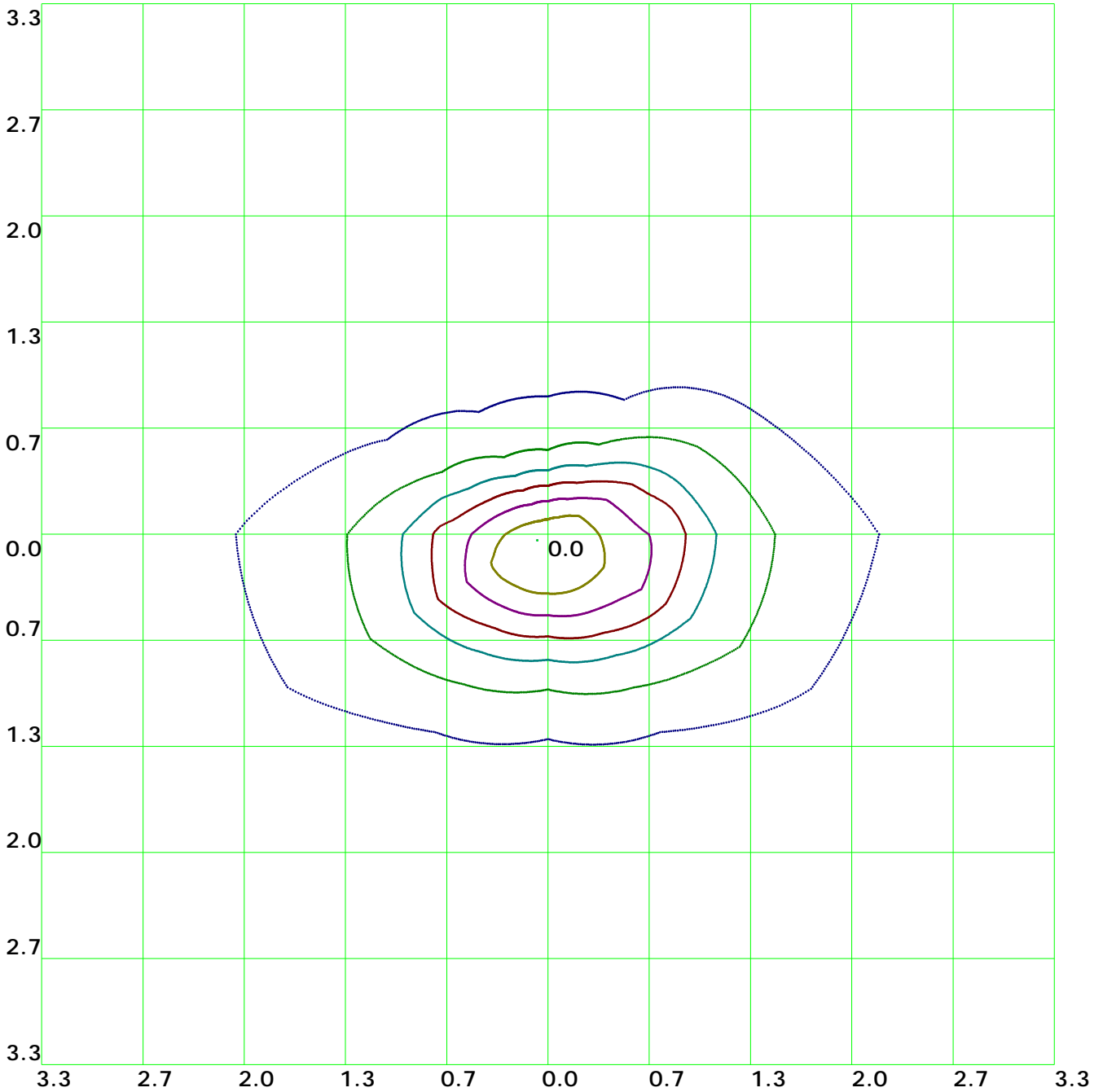
Isocandela(rectangle)



— (10%): 369.1cd	— (20%): 738.2cd	— (30%): 1107.2cd	— (40%): 1476.3cd
— (50%): 1845.4cd	— (60%): 2214.5cd	— (70%): 2583.6cd	— (80%): 2952.6cd
— (90%): 3321.7cd	— (100%): 3690.8cd		



Isolx curve

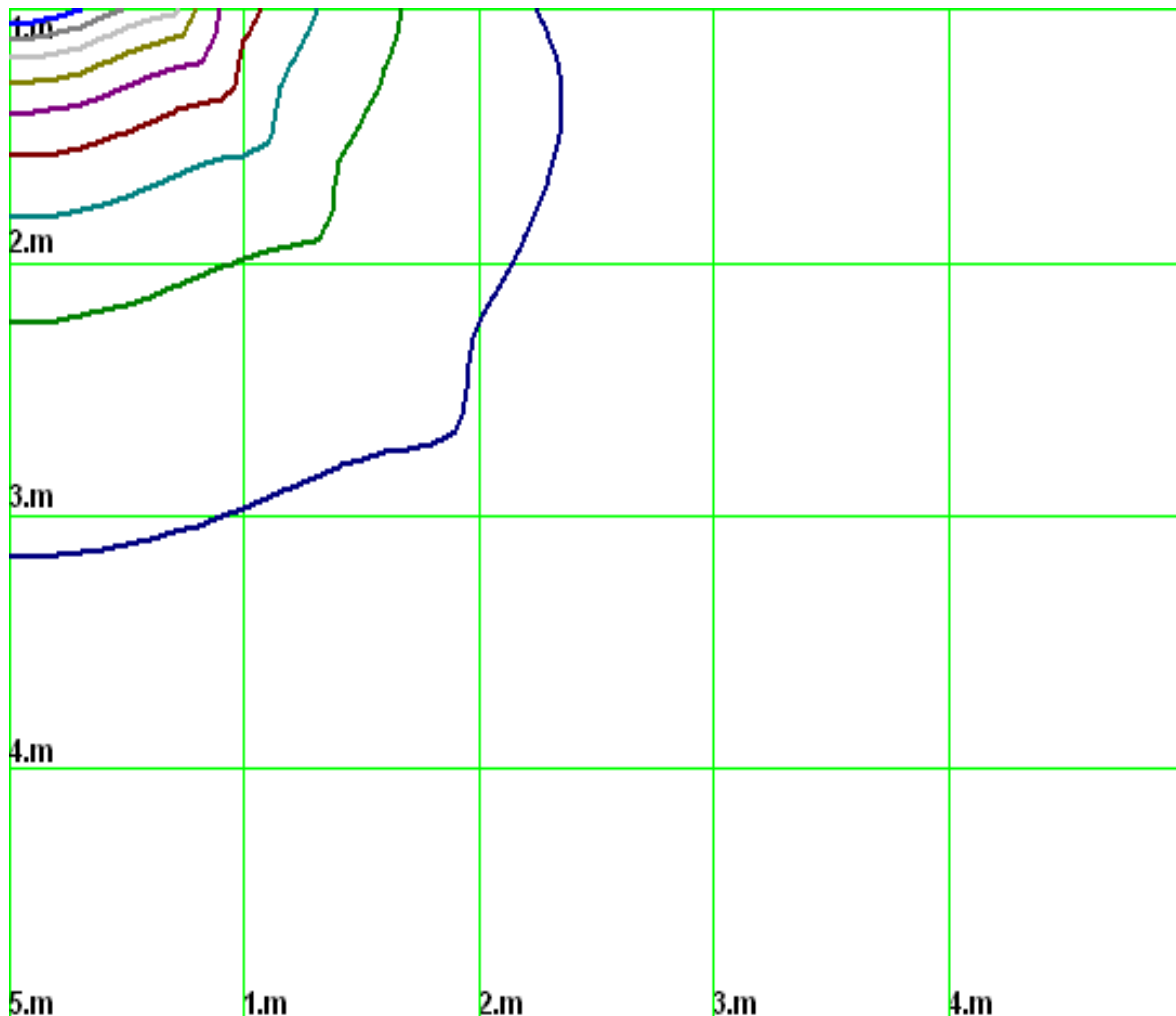


Height: 1 m

- | | | | |
|-------------------|--------------------|-------------------|-------------------|
| — (10%): 369.1lx | — (20%): 738.2lx | — (30%): 1107.2lx | — (40%): 1476.3lx |
| — (50%): 1845.4lx | — (60%): 2214.5lx | — (70%): 2583.6lx | — (80%): 2952.6lx |
| — (90%): 3321.7lx | — (100%): 3687.1lx | | |



Space Isolx Curve



— (10%): 369.1lx	— (20%): 738.2lx	— (30%): 1107.2lx	— (40%): 1476.3lx
— (50%): 1845.4lx	— (60%): 2214.5lx	— (70%): 2583.6lx	— (80%): 2952.6lx
— (90%): 3321.7lx	— (100%): 3687.1lx		



Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

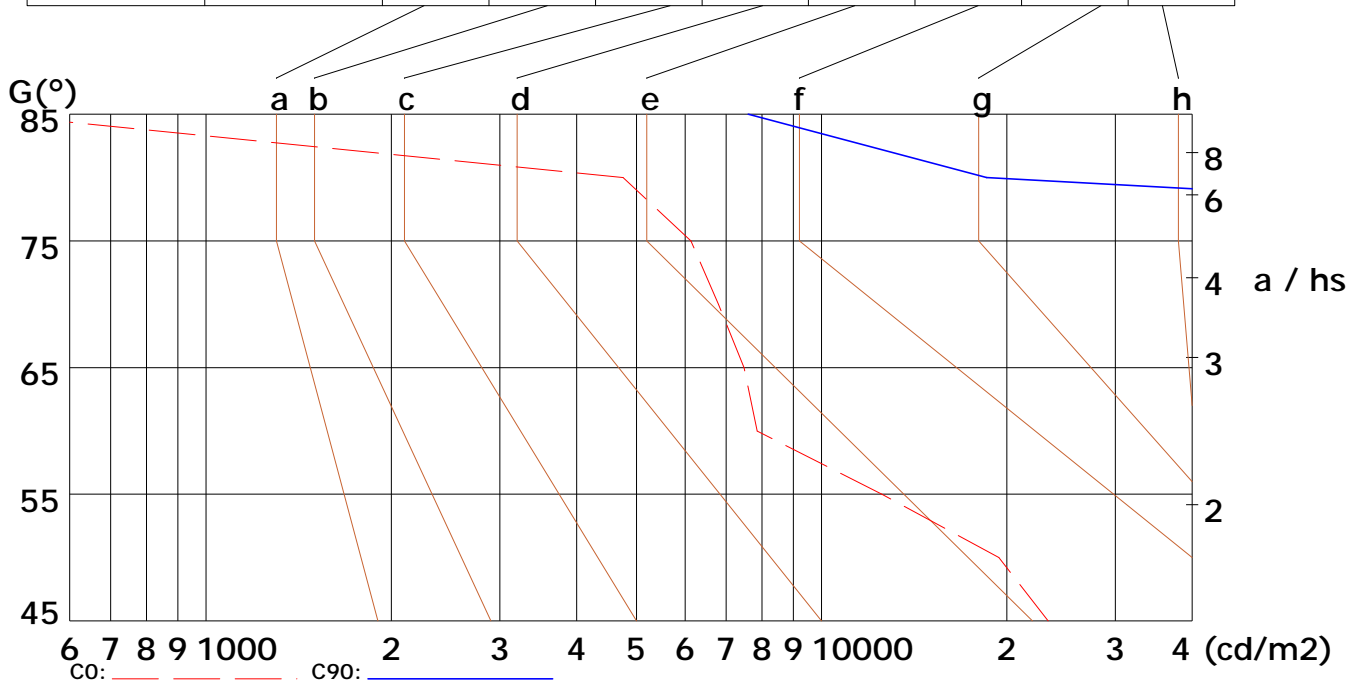
Width: 0mm

Height: 0mm

(cd/m²)

γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	23339	19420	12523	7858	7480	6801	6131	4760	0
C90	10673	21239	46148	46318	11872	16842	20594	41091	8534 7599

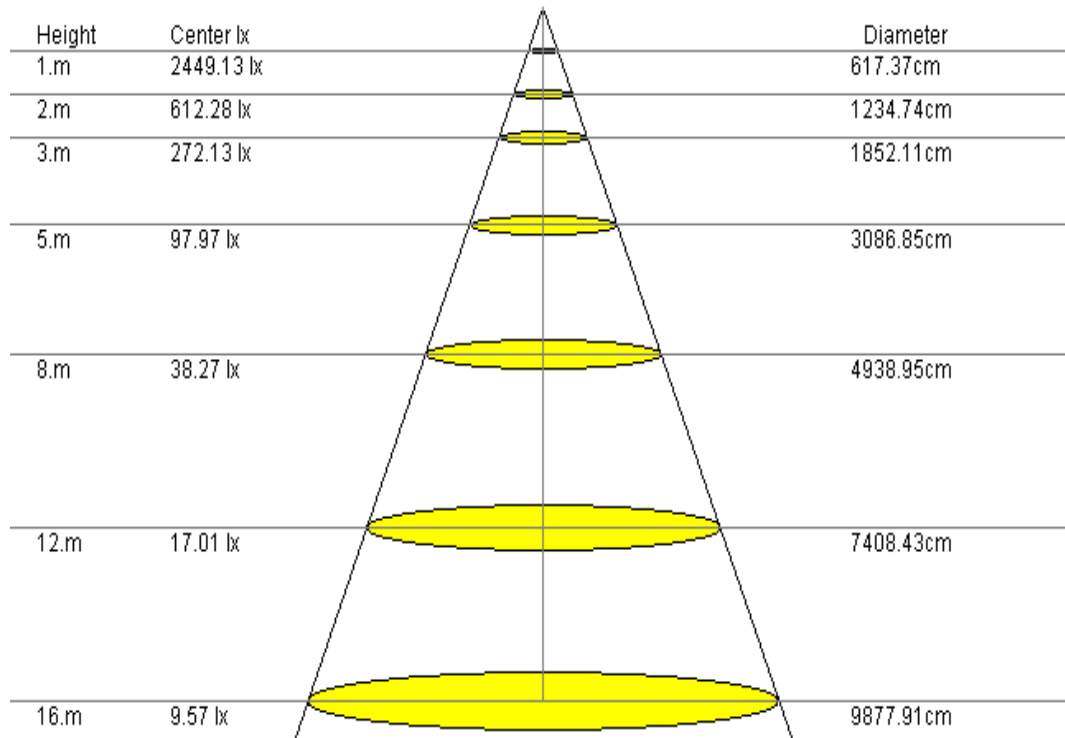
Glare	Quality	Service Values Illuminance (lx)									
1.15	A	2000	1000	500	≤300						
1.5	B		2000	1000	500	≤300					
1.85	C			2000	1000	500	≤300				
2.2	D				2000	1000	500	≤300			
2.55	E					2000	1000	500	≤300		



Lum. Limiting Curve (C0/C90)



Lux-Distance Curve



Beam Angle: 144.10° (50%Imax)

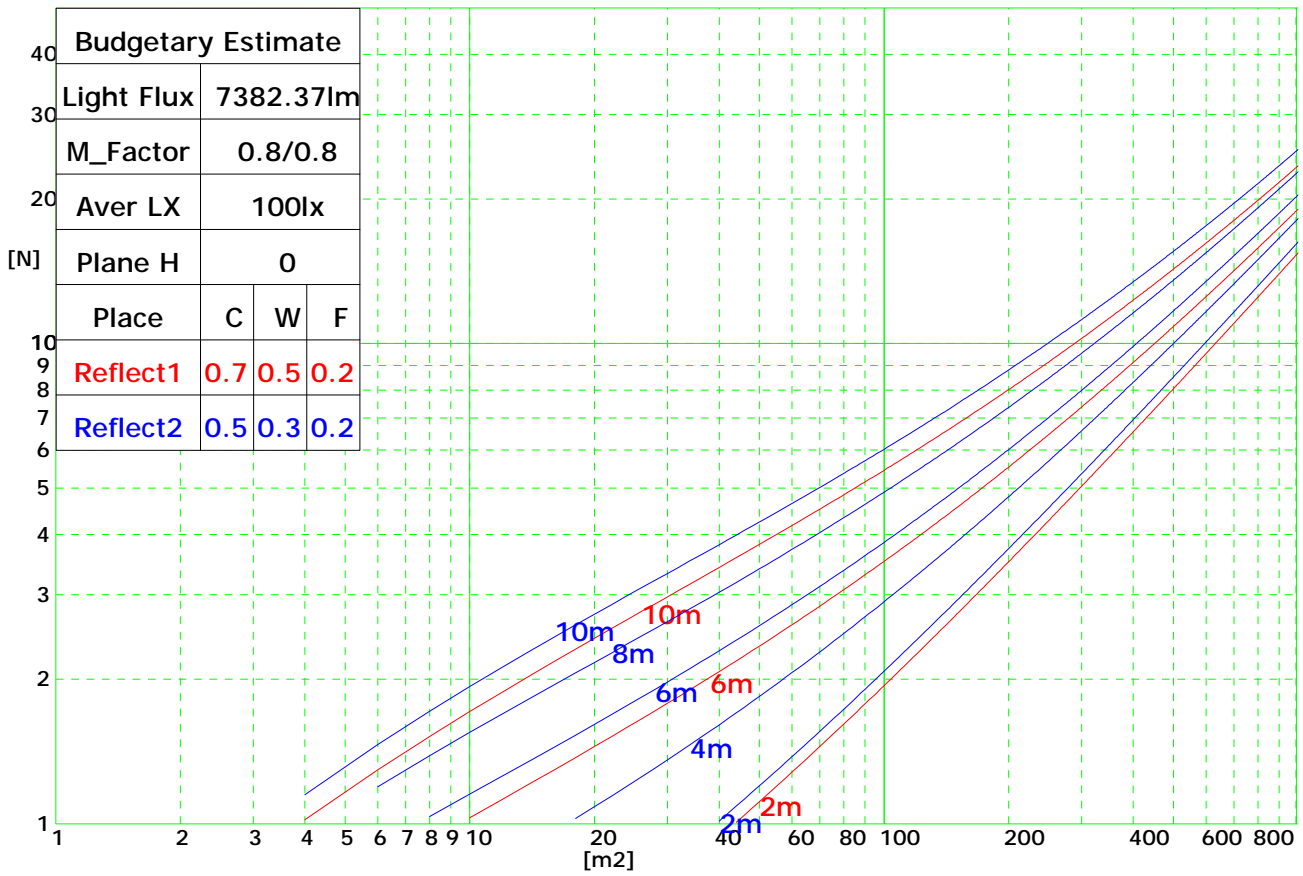


Coefficients of Utilization

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	1.06	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	0.87	0.85	0.89	0.86	0.84	0.87	0.83	0.80	0.83	0.79	0.76	0.79	0.75	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	0.65	0.62	0.60	0.66	0.62	0.59	0.65	0.61	0.57	0.64	0.59	0.54	0.62	0.56	0.51	0.47
5	0.57	0.54	0.52	0.57	0.53	0.51	0.58	0.52	0.49	0.57	0.51	0.47	0.56	0.49	0.44	0.40
6	0.49	0.47	0.45	0.50	0.47	0.44	0.51	0.46	0.42	0.51	0.45	0.40	0.50	0.44	0.38	0.35
7	0.44	0.41	0.39	0.45	0.41	0.39	0.46	0.41	0.37	0.46	0.40	0.36	0.46	0.39	0.34	0.31
8	0.39	0.36	0.35	0.40	0.36	0.34	0.41	0.36	0.33	0.42	0.36	0.32	0.42	0.35	0.30	0.27
9	0.35	0.33	0.31	0.36	0.33	0.31	0.38	0.33	0.29	0.39	0.33	0.28	0.39	0.32	0.27	0.24
10	0.32	0.29	0.28	0.33	0.30	0.28	0.34	0.30	0.27	0.35	0.30	0.26	0.36	0.29	0.24	0.22



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	Left to light axis direction of observation					Direction of light axis parallel observation					
X	Y										
2H	2H	15.4	16.8	15.8	16.9	17.3	15.3	16.7	15.7	16.9	17.3
	3H	17.1	18.4	17.5	18.8	18.9	17.1	18.3	17.4	18.8	19.0
	4H	17.9	19.0	18.3	19.7	19.8	17.8	19.0	18.1	19.6	19.7
	6H	18.4	19.6	19.0	19.9	20.1	18.4	19.5	18.8	19.9	20.1
	8H	18.8	19.9	19.1	20.1	20.5	18.8	19.8	19.0	19.9	20.3
4H	12H	18.8	19.7	19.1	20.3	20.6	18.7	19.7	19.0	20.2	20.6
	2H	16.5	17.5	16.6	17.7	18.0	16.5	17.4	16.5	17.7	18.0
	3H	18.4	19.3	18.7	19.5	19.8	18.2	19.3	18.7	19.5	19.8
	4H	19.0	20.0	19.6	20.1	20.5	19.1	20.0	19.3	20.1	20.6
	6H	19.8	20.5	20.2	20.8	21.1	19.7	20.5	20.1	20.9	21.3
8H	8H	20.1	20.7	20.5	21.1	21.4	20.1	20.6	20.3	21.1	21.5
	12H	20.2	20.9	20.6	21.2	21.7	20.2	20.9	20.6	21.2	21.7
	4H	19.6	20.3	19.8	20.4	20.9	19.4	20.1	19.7	20.4	21.0
	6H	20.4	21.0	20.8	21.4	21.8	20.3	20.9	20.8	21.4	21.6
	8H	20.8	21.3	21.2	21.7	22.1	20.6	21.2	21.1	21.7	22.1
12H	12H	21.0	21.5	21.4	21.9	22.3	21.0	21.4	21.5	21.8	22.3
	4H	19.5	20.2	20.0	20.5	20.9	19.5	20.1	19.9	20.7	21.0
	6H	20.6	21.1	20.9	21.3	21.8	20.5	21.0	20.9	21.4	21.8
	8H	21.0	21.4	21.4	21.7	22.3	20.9	21.3	21.3	21.6	22.2