



## Luminaire Property

Luminaire Description: **80W LED Street Light**

Luminaire Categories: Solar Powered

Lamp Categories:

Lamp Description:

Number of Lamp:

Lamp Lumen (lm): 5585.44

Luminous Length(m):

Luminous Width(m):

Luminous Height(m):

Voltage: 0.0 V

Current: 0.0 A

Power: 0.0 W

Power Factor: 0.000

Test Lab:

Photometric Type: Type C

Manufacturer: ADS LED Illumination Sdn Bhd

## Photometric Results

CIE Class: Direct

Measurement Flux: 5585.44 lm

Efficiency: NA...

Central Intensity: 1852.988cd

Max. Intensity: 2792.423cd

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

Max.Intensity Angle: C:0.0 G:64.0

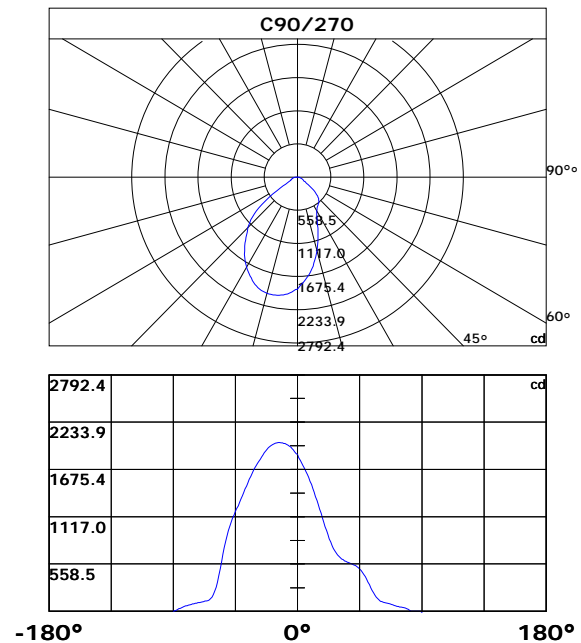
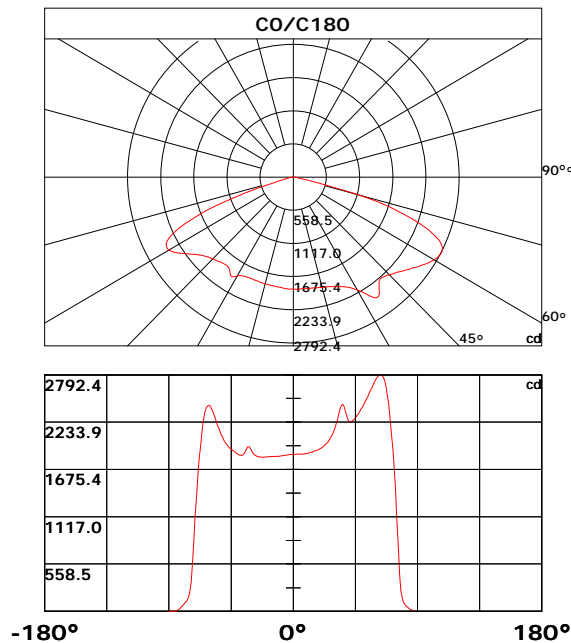
Beam Angle(50%Imax): L: -133.9 R:10.2

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	1853.0	1854.3	1853.9	1855.7	1855.4	1853.8	1858.0	1857.8	1857.1	1862.7
C30.0	1853.0	1894.6	1884.6	1872.9	1857.9	1850.2	1835.8	1827.3	1815.2	1808.8
C60.0	1853.0	1830.2	1805.7	1786.1	1759.0	1735.1	1710.2	1681.9	1654.7	1627.7
C90.0	1853.0	1812.0	1779.8	1750.2	1719.3	1686.8	1651.8	1615.8	1579.6	1535.9
C120.0	1853.0	1807.6	1777.6	1752.1	1721.5	1692.0	1659.2	1626.5	1597.5	1556.6
C150.0	1853.0	1820.0	1805.1	1789.5	1770.1	1754.8	1731.9	1714.8	1694.7	1674.9
C180.0	1853.0	1851.8	1854.3	1852.6	1846.0	1845.0	1841.8	1837.7	1836.1	1835.7
C210.0	1853.0	1916.2	1928.9	1939.2	1953.1	1957.2	1966.6	1975.1	1980.3	1985.5
C240.0	1853.0	1871.4	1891.5	1909.4	1924.7	1940.0	1951.5	1962.7	1969.2	1979.1
C270.0	1853.0	1860.4	1884.5	1905.7	1923.1	1940.8	1952.6	1963.8	1972.0	1980.8
C300.0	1853.0	1848.7	1872.5	1891.4	1909.3	1925.8	1939.4	1949.9	1964.3	1970.3
C330.0	1853.0	1847.2	1861.5	1871.4	1885.7	1895.4	1905.8	1916.8	1925.8	1933.6
C360.0	1853.0	1854.3	1853.9	1855.7	1855.4	1853.8	1858.0	1857.8	1857.1	1862.7
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	1861.2	1867.3	1873.0	1878.5	1880.9	1890.7	1893.9	1901.1	1906.8	1918.2
C30.0	1796.7	1789.4	1781.3	1772.9	1765.7	1757.5	1749.0	1744.6	1740.3	1737.5
C60.0	1597.6	1566.3	1539.0	1504.5	1473.1	1439.4	1402.4	1369.1	1332.2	1293.2
C90.0	1497.3	1448.2	1405.8	1355.4	1307.3	1260.3	1208.7	1157.5	1102.7	1054.1
C120.0	1520.2	1473.9	1434.8	1389.0	1343.9	1300.9	1254.0	1212.7	1156.8	1113.6
C150.0	1653.6	1632.8	1611.5	1588.9	1565.9	1544.3	1517.3	1493.5	1467.0	1440.7
C180.0	1830.3	1829.5	1830.6	1826.9	1829.5	1827.4	1825.7	1827.9	1825.6	1823.0
C210.0	1991.9	1995.6	1999.9	2004.0	2003.6	2010.4	2016.1	2018.8	2021.6	2031.7
C240.0	1982.0	1987.2	1992.2	1991.5	1996.3	1995.3	1994.1	1990.1	1988.9	1982.6
C270.0	1983.6	1989.2	1991.6	1992.6	1994.7	1990.7	1986.1	1979.5	1971.9	1958.7
C300.0	1974.8	1982.4	1984.2	1988.9	1996.2	1998.9	1996.5	2001.6	1997.2	1998.5
C330.0	1943.9	1953.1	1959.8	1972.2	1978.2	1985.3	1995.2	2003.7	2011.3	2020.4
C360.0	1861.2	1867.3	1873.0	1878.5	1880.9	1890.7	1893.9	1901.1	1906.8	1918.2
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1926.8	1936.1	1952.0	1961.8	1982.0	1998.1	2022.4	2047.0	2079.3	2114.3
C30.0	1734.6	1727.2	1722.1	1716.6	1714.8	1709.3	1705.8	1700.4	1696.2	1686.7
C60.0	1254.3	1218.5	1182.1	1137.2	1101.1	1058.7	1020.5	981.4	944.5	913.3
C90.0	999.6	953.9	909.1	856.9	817.7	776.2	742.8	713.0	688.8	666.4
C120.0	1060.8	1018.8	970.0	926.6	887.0	847.9	812.0	773.3	746.2	719.7
C150.0	1413.3	1385.6	1357.5	1327.1	1301.2	1270.7	1243.2	1215.8	1188.7	1163.6
C180.0	1822.9	1821.5	1820.5	1822.8	1821.4	1828.1	1828.8	1837.0	1845.2	1861.6
C210.0	2049.8	1993.8	2038.4	2042.5	2051.1	2033.9	2030.7	2041.4	2046.3	2053.8
C240.0	1977.3	1966.4	1959.6	1945.1	1933.2	1918.3	1903.1	1887.1	1866.4	1849.1
C270.0	1948.0	1932.4	1911.7	1893.4	1871.7	1845.6	1823.2	1797.3	1772.3	1748.3
C300.0	1994.5	1993.5	1989.2	1987.4	1980.1	1971.3	1966.6	1951.9	1946.2	1931.7
C330.0	2030.8	2039.3	2050.0	2064.0	2074.0	2088.4	2104.7	2127.6	2153.9	2186.0
C360.0	1926.8	1936.1	1952.0	1961.8	1982.0	1998.1	2022.4	2047.0	2079.3	2114.3



## 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	2151.7	2206.3	2260.8	2331.0	2393.8	2436.0	2442.2	2412.3	2346.5	2294.1
C30.0	1682.9	1670.5	1654.7	1639.0	1614.2	1596.4	1585.4	1572.2	1563.4	1560.2
C60.0	878.0	849.7	816.0	793.7	765.3	746.4	727.1	710.2	697.5	685.3
C90.0	647.9	632.1	615.8	607.4	594.8	588.5	579.3	575.6	567.9	561.9
C120.0	694.3	672.0	656.9	641.0	628.1	618.3	604.9	597.4	589.1	581.5
C150.0	1138.7	1113.6	1089.7	1068.8	1045.4	1025.4	1006.6	988.8	972.9	958.3
C180.0	1890.7	1922.4	1945.5	1939.2	1908.6	1870.7	1852.6	1842.2	1843.2	1846.5
C210.0	2062.6	2076.7	2091.6	2104.9	2120.7	2130.8	2128.9	2111.0	2082.0	2047.7
C240.0	1827.4	1812.9	1788.7	1771.0	1751.1	1730.8	1711.8	1693.2	1671.3	1647.3
C270.0	1719.4	1690.5	1660.9	1627.5	1590.6	1558.3	1516.0	1480.4	1444.0	1402.7
C300.0	1920.6	1903.6	1891.5	1871.4	1850.7	1823.4	1798.0	1764.6	1737.8	1713.2
C330.0	2220.0	2252.2	2282.3	2303.1	2325.8	2340.8	2343.4	2329.4	2294.6	2248.1
C360.0	2151.7	2206.3	2260.8	2331.0	2393.8	2436.0	2442.2	2412.3	2346.5	2294.1
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	2249.8	2233.8	2236.3	2251.6	2263.5	2284.0	2307.1	2329.1	2355.0	2384.2
C30.0	1557.6	1555.3	1554.7	1556.2	1555.8	1560.8	1558.0	1554.4	1549.7	1538.0
C60.0	675.2	660.4	651.9	636.8	625.0	609.8	592.6	568.0	545.2	520.4
C90.0	555.0	547.0	540.2	525.4	513.5	499.4	481.4	459.7	435.8	408.4
C120.0	572.1	568.8	555.8	547.2	538.1	521.4	501.6	484.6	461.1	434.6
C150.0	944.3	932.4	922.5	912.2	903.4	897.3	886.7	875.7	863.9	847.9
C180.0	1855.7	1864.6	1878.8	1890.5	1901.3	1915.9	1929.1	1943.5	1965.3	1990.9
C210.0	2024.0	2009.6	2006.0	2007.5	2010.7	2018.1	2027.1	2035.8	2045.2	2059.2
C240.0	1627.4	1599.8	1580.6	1556.4	1536.5	1516.2	1493.6	1469.1	1437.2	1402.0
C270.0	1363.9	1325.2	1285.9	1246.5	1214.2	1180.7	1140.6	1102.4	1057.0	1011.3
C300.0	1690.1	1668.1	1644.3	1622.2	1597.1	1576.4	1548.1	1519.5	1478.4	1432.9
C330.0	2219.8	2199.1	2189.7	2191.4	2200.5	2212.7	2229.2	2251.0	2272.5	2298.0
C360.0	2249.8	2233.8	2236.3	2251.6	2263.5	2284.0	2307.1	2329.1	2355.0	2384.2
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	2411.1	2439.2	2475.0	2503.9	2539.6	2577.1	2608.7	2644.2	2681.6	2710.8
C30.0	1521.1	1499.5	1472.5	1429.0	1385.4	1320.3	1254.0	1170.8	1084.4	987.5
C60.0	485.2	455.5	420.3	380.3	344.8	305.3	267.2	232.9	199.8	170.2
C90.0	377.8	344.2	315.4	278.8	247.6	217.4	189.9	167.2	148.5	132.2
C120.0	407.7	375.8	344.0	309.0	274.5	238.0	209.6	179.0	154.6	137.1
C150.0	826.5	802.6	771.7	731.1	689.2	633.0	578.5	512.3	449.3	383.0
C180.0	2011.6	2048.8	2080.0	2121.8	2166.3	2207.4	2257.2	2304.4	2351.3	2385.7
C210.0	2074.5	2095.5	2115.6	2148.5	2173.9	2202.6	2225.2	2243.2	2253.9	2248.6
C240.0	1351.8	1302.9	1241.8	1160.7	1081.1	982.0	882.3	768.6	659.1	549.6
C270.0	953.4	893.6	831.1	752.2	678.7	586.8	507.4	419.3	346.1	284.3
C300.0	1377.0	1313.0	1239.3	1150.6	1058.9	950.3	846.7	724.3	614.5	516.0
C330.0	2328.3	2352.6	2377.0	2403.4	2419.8	2431.3	2433.4	2420.2	2397.7	2359.5
C360.0	2411.1	2439.2	2475.0	2503.9	2539.6	2577.1	2608.7	2644.2	2681.6	2710.8



## 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	2741.7	2767.2	2782.0	2791.8	2792.4	2773.4	2730.4	2669.2	2562.5	2447.6
C30.0	875.3	766.7	637.9	531.0	412.7	320.4	243.2	177.5	136.3	110.0
C60.0	149.8	132.3	117.3	110.6	101.8	96.3	91.7	86.6	82.3	78.3
C90.0	118.9	114.4	105.8	102.2	99.3	95.7	92.1	87.9	81.1	76.0
C120.0	121.0	109.2	100.6	93.2	87.3	86.1	83.8	76.1	72.9	65.3
C150.0	315.6	257.5	201.2	162.2	126.2	107.2	91.8	86.5	79.5	75.6
C180.0	2419.6	2429.7	2426.3	2399.7	2343.1	2251.3	2139.0	1977.5	1808.8	1619.4
C210.0	2234.0	2199.9	2146.3	2074.3	1976.1	1864.6	1730.5	1564.0	1406.5	1216.9
C240.0	436.8	346.0	262.0	209.3	162.2	134.9	117.7	111.9	104.0	101.2
C270.0	234.0	199.0	166.6	149.0	134.0	127.4	122.4	121.2	115.0	111.6
C300.0	406.8	325.2	254.3	201.8	162.4	140.6	123.5	116.0	113.8	105.4
C330.0	2299.3	2225.8	2124.5	2009.0	1866.7	1722.3	1564.9	1379.3	1208.8	1010.7
C360.0	2741.7	2767.2	2782.0	2791.8	2792.4	2773.4	2730.4	2669.2	2562.5	2447.6
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	2283.3	2115.8	1921.2	1700.4	1456.6	1105.1	764.6	436.6	244.2	143.8
C30.0	99.2	88.9	87.4	77.8	75.6	70.6	67.8	63.7	60.2	40.0
C60.0	69.8	64.8	62.0	53.0	48.9	44.4	38.6	35.4	33.4	25.5
C90.0	70.4	63.7	58.9	57.5	51.0	48.0	45.0	40.2	37.2	33.7
C120.0	61.4	57.3	51.6	47.4	45.7	43.7	35.9	33.3	26.7	23.1
C150.0	67.6	63.0	56.7	51.2	45.9	41.5	34.3	27.9	23.8	17.8
C180.0	1374.0	1125.1	830.8	573.2	347.7	220.8	160.0	123.5	107.8	85.8
C210.0	1040.9	857.2	702.5	568.4	434.4	333.8	243.3	182.2	133.1	103.8
C240.0	96.9	89.2	88.1	80.3	75.5	69.4	68.4	62.3	60.5	52.8
C270.0	108.5	103.0	101.8	96.2	95.1	89.1	87.5	79.5	76.4	72.8
C300.0	103.6	97.7	93.7	88.5	87.1	81.6	78.7	76.1	67.8	69.0
C330.0	836.2	664.0	531.1	413.6	308.3	237.0	177.0	139.8	104.7	80.8
C360.0	2283.3	2115.8	1921.2	1700.4	1456.6	1105.1	764.6	436.6	244.2	143.8
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	97.4	75.8	59.3	46.4	29.5	20.0	14.9	13.0	3.0	0.0
C30.0	39.9	39.9	38.8	37.8	21.6	7.0	0.0	0.0	0.0	0.0
C60.0	24.3	18.7	16.3	7.8	4.3	0.0	0.0	0.0	0.0	0.0
C90.0	25.0	13.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	19.6	12.9	11.8	4.6	0.2	0.0	0.0	0.0	0.0	0.0
C150.0	15.9	11.1	7.8	4.0	1.8	0.0	0.0	0.0	0.0	0.0
C180.0	69.6	51.6	34.2	20.2	9.2	0.0	0.0	0.0	0.0	0.0
C210.0	82.9	66.4	60.3	56.6	50.8	39.4	27.3	15.4	0.0	0.0
C240.0	52.8	44.1	40.1	36.8	29.2	27.7	17.5	13.0	5.4	0.0
C270.0	66.5	64.0	58.2	51.8	44.6	35.6	30.4	18.5	13.3	4.2
C300.0	60.6	60.0	54.7	51.0	49.0	43.5	36.6	26.7	18.1	6.1
C330.0	66.8	57.9	49.9	43.8	38.8	31.9	25.7	17.6	11.7	5.0
C360.0	97.4	75.8	59.3	46.4	29.5	20.0	14.9	13.0	3.0	0.0



## Light intensity data Unit[cd]

C\G	G90.0									
C0.0	-4.3									
C30.0	-9.5									
C60.0	0.0									
C90.0	-14.5									
C120.0	0.0									
C150.0	-10.5									
C180.0	0.0									
C210.0	0.0									
C240.0	-12.9									
C270.0	0.0									
C300.0	-0.2									
C330.0	0.0									
C360.0	-4.3									



## Zonal Luminous Flux Data

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	1852.99	0.00	0.00	0.00	0.00
0.0-1.0	1851.20	1.77	1.77	0.03	0.03
1.0-2.0	1849.98	5.31	7.08	0.10	0.13
2.0-3.0	1848.03	8.84	15.93	0.16	0.29
3.0-4.0	1843.75	12.36	28.29	0.22	0.51
4.0-5.0	1839.73	15.85	44.13	0.28	0.79
5.0-6.0	1833.72	19.30	63.44	0.35	1.14
6.0-7.0	1827.51	22.73	86.16	0.41	1.54
7.0-8.0	1820.54	26.11	112.27	0.47	2.01
8.0-9.0	1812.63	29.44	141.72	0.53	2.54
9.0-10.0	1802.78	32.72	174.43	0.59	3.12
10.0-11.0	1792.90	35.93	210.36	0.64	3.77
11.0-12.0	1783.65	39.10	249.46	0.70	4.47
12.0-13.0	1772.10	42.20	291.66	0.76	5.22
13.0-14.0	1761.28	45.23	336.88	0.81	6.03
14.0-15.0	1750.10	48.21	385.09	0.86	6.89
15.0-16.0	1736.59	51.09	436.18	0.91	7.81
16.0-17.0	1725.01	53.91	490.09	0.97	8.77
17.0-18.0	1710.20	56.64	546.73	1.01	9.79
18.0-19.0	1697.69	59.29	606.02	1.06	10.85
19.0-20.0	1684.38	61.90	667.92	1.11	11.96
20.0-21.0	1665.58	64.33	732.24	1.15	13.11
21.0-22.0	1655.19	66.73	798.98	1.19	14.30
22.0-23.0	1640.12	69.14	868.12	1.24	15.54
23.0-24.0	1627.96	71.45	939.57	1.28	16.82
24.0-25.0	1612.22	73.67	1013.25	1.32	18.14
25.0-26.0	1600.32	75.83	1089.08	1.36	19.50
26.0-27.0	1589.44	78.04	1167.12	1.40	20.90
27.0-28.0	1581.15	80.27	1247.39	1.44	22.33
28.0-29.0	1574.54	82.56	1329.95	1.48	23.81
29.0-30.0	1569.50	84.89	1414.84	1.52	25.33
30.0-31.0	1566.89	87.28	1502.12	1.56	26.89
31.0-32.0	1562.87	89.66	1591.79	1.61	28.50
32.0-33.0	1558.17	91.95	1683.73	1.65	30.15
33.0-34.0	1549.10	94.04	1777.77	1.68	31.83
34.0-35.0	1538.81	95.90	1873.67	1.72	33.55
35.0-36.0	1524.69	97.54	1971.21	1.75	35.29
36.0-37.0	1506.44	98.86	2070.07	1.77	37.06
37.0-38.0	1484.20	99.82	2169.89	1.79	38.85
38.0-39.0	1462.24	100.57	2270.46	1.80	40.65
39.0-40.0	1444.58	101.38	2371.84	1.82	42.46



## Zonal Luminous Flux Data

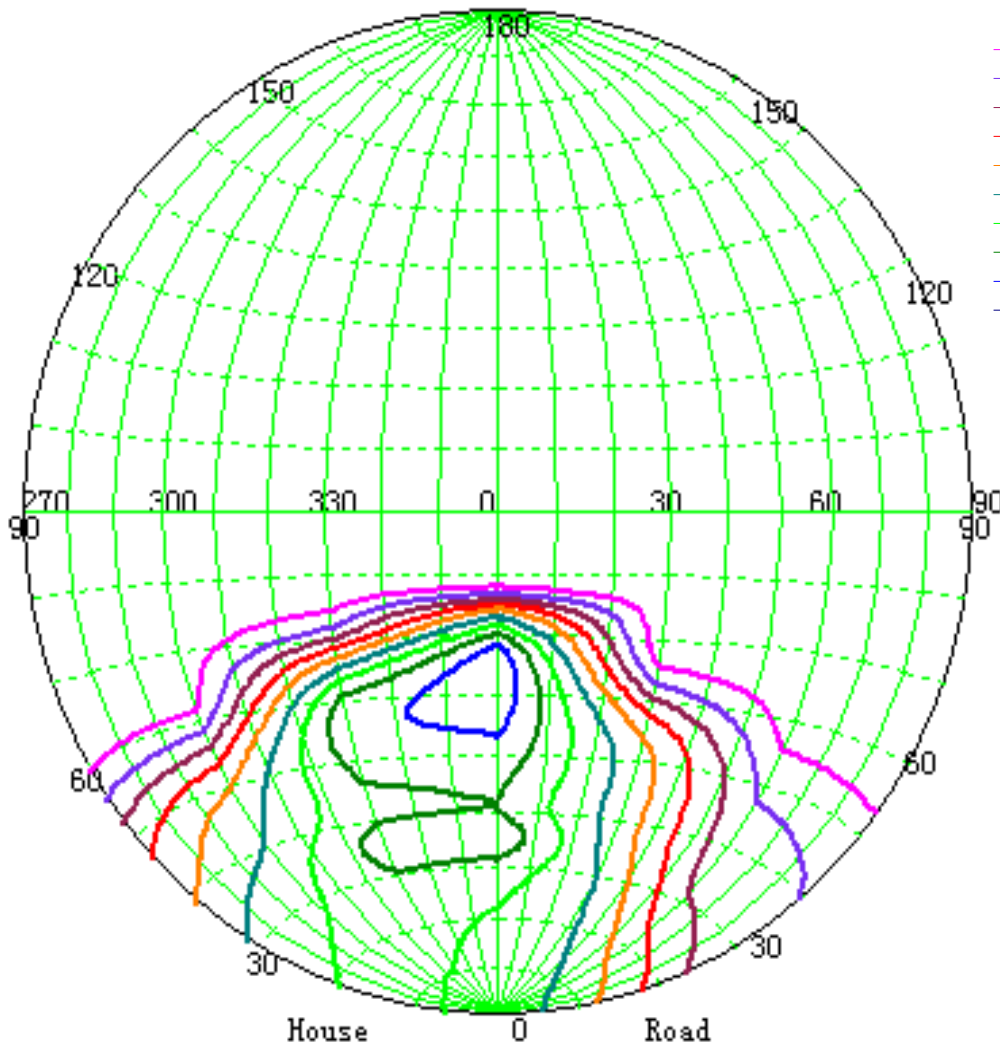
Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	1430.35	102.37	2474.22	1.83	44.30
41.0-42.0	1420.56	103.58	2577.79	1.85	46.15
42.0-43.0	1411.99	104.93	2682.72	1.88	48.03
43.0-44.0	1404.97	106.32	2789.04	1.90	49.93
44.0-45.0	1399.38	107.77	2896.81	1.93	51.86
45.0-46.0	1391.25	109.14	3005.95	1.95	53.82
46.0-47.0	1382.72	110.33	3116.28	1.98	55.79
47.0-48.0	1372.20	111.37	3227.65	1.99	57.79
48.0-49.0	1360.65	112.23	3339.87	2.01	59.80
49.0-50.0	1343.84	112.76	3452.63	2.02	61.81
50.0-51.0	1326.93	113.00	3565.63	2.02	63.84
51.0-52.0	1306.97	113.02	3678.65	2.02	65.86
52.0-53.0	1280.78	112.57	3791.22	2.02	67.88
53.0-54.0	1254.98	111.77	3902.98	2.00	69.88
54.0-55.0	1220.95	110.52	4013.50	1.98	71.86
55.0-56.0	1188.35	108.87	4122.37	1.95	73.81
56.0-57.0	1148.87	106.86	4229.24	1.91	75.72
57.0-58.0	1111.73	104.54	4333.78	1.87	77.59
58.0-59.0	1072.04	102.09	4435.87	1.83	79.42
59.0-60.0	1029.40	99.28	4535.15	1.78	81.20
60.0-61.0	989.40	96.34	4631.49	1.72	82.92
61.0-62.0	943.73	93.15	4724.64	1.67	84.59
62.0-63.0	902.85	89.81	4814.45	1.61	86.20
63.0-64.0	855.36	86.27	4900.72	1.54	87.74
64.0-65.0	810.01	82.42	4983.14	1.48	89.22
65.0-66.0	760.93	78.38	5061.52	1.40	90.62
66.0-67.0	704.49	73.69	5135.20	1.32	91.94
67.0-68.0	647.63	68.49	5203.70	1.23	93.17
68.0-69.0	584.83	62.87	5266.57	1.13	94.29
69.0-70.0	517.65	56.62	5323.20	1.01	95.30
70.0-71.0	449.15	49.97	5373.16	0.89	96.20
71.0-72.0	382.15	43.23	5416.39	0.77	96.97
72.0-73.0	317.29	36.58	5452.96	0.65	97.63
73.0-74.0	255.98	30.14	5483.10	0.54	98.17
74.0-75.0	198.74	24.03	5507.13	0.43	98.60
75.0-76.0	150.10	18.52	5525.64	0.33	98.93
76.0-77.0	108.38	13.78	5539.43	0.25	99.18
77.0-78.0	81.32	10.16	5549.58	0.18	99.36
78.0-79.0	62.40	7.72	5557.30	0.14	99.50
79.0-80.0	51.77	6.16	5563.46	0.11	99.61
80.0-81.0	43.00	5.13	5568.58	0.09	99.70







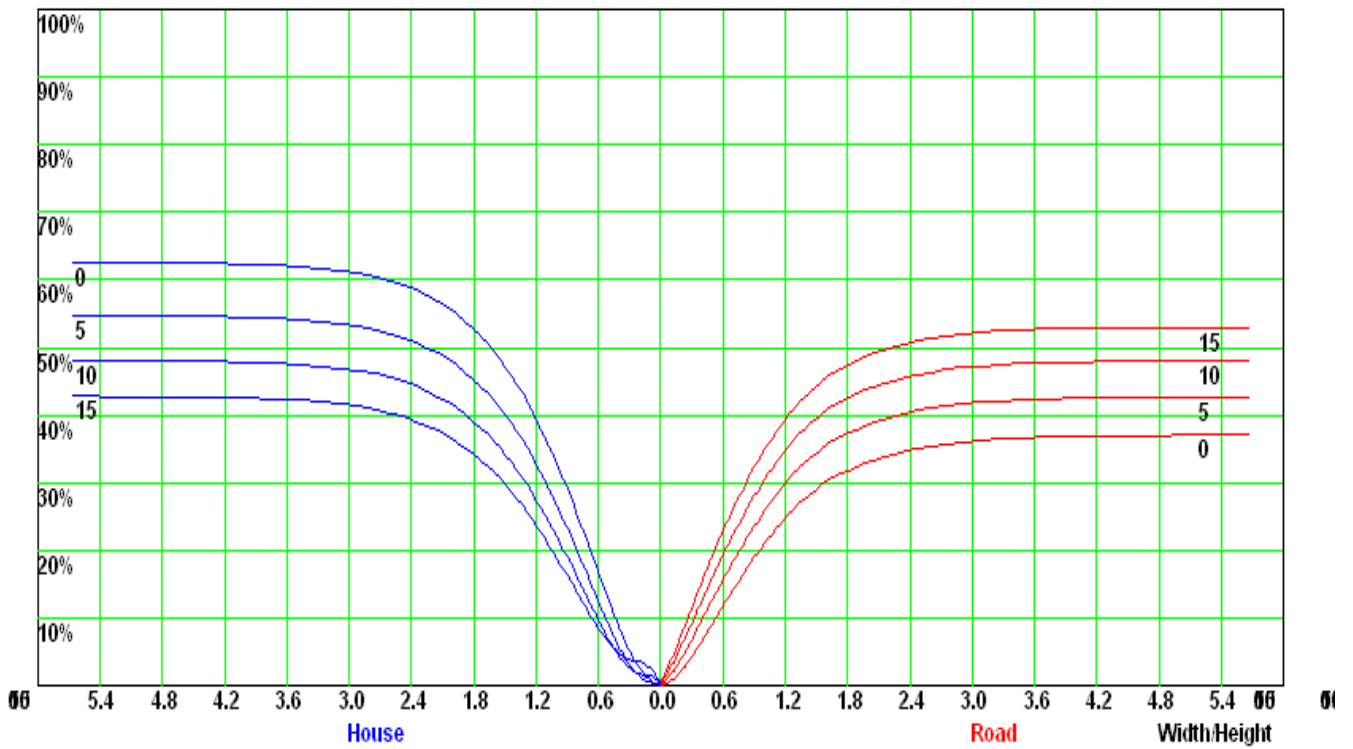
## Iso-Candela [cd]



- (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

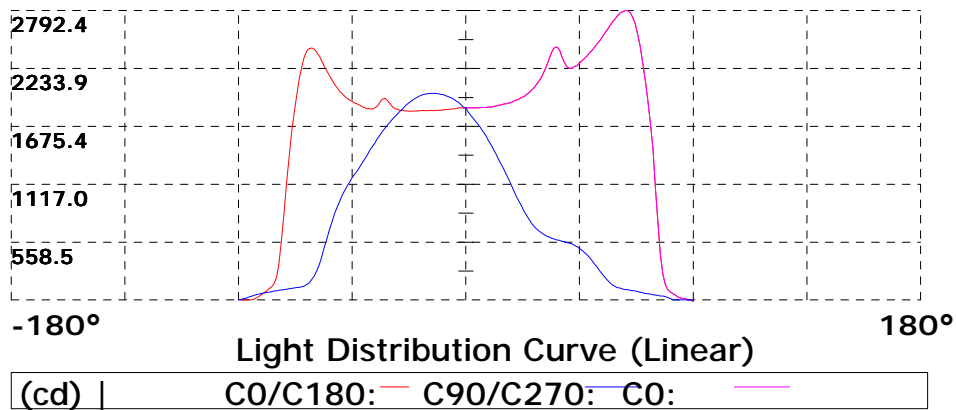
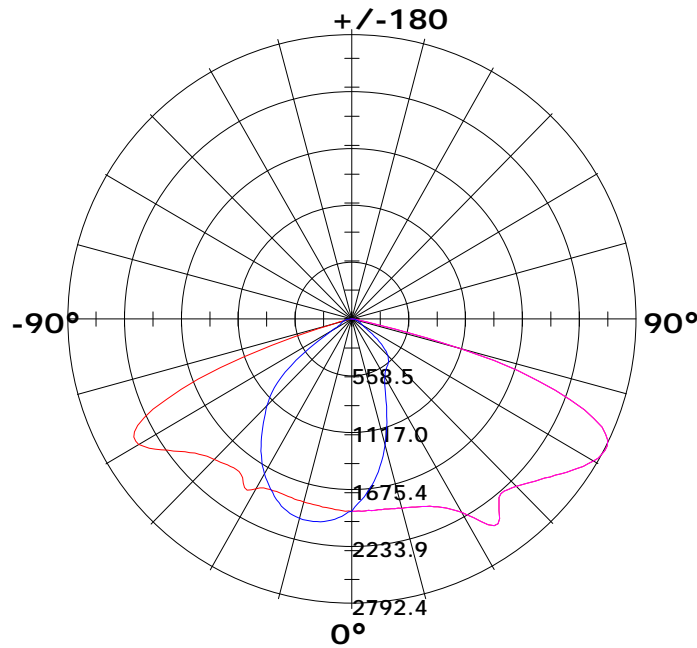


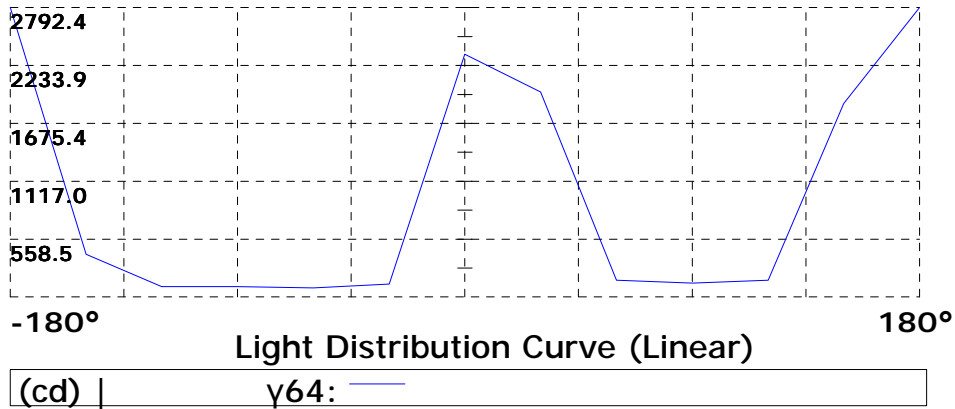
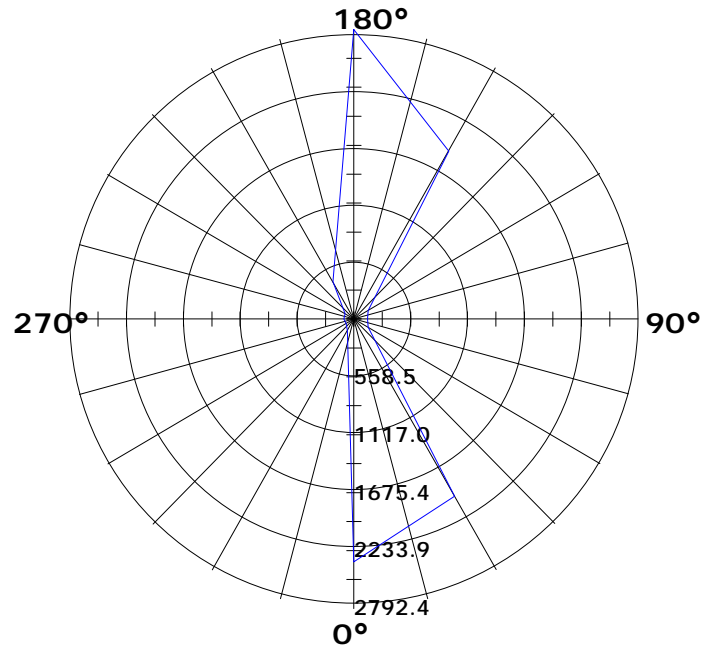
## Coefficient Utilization Curve





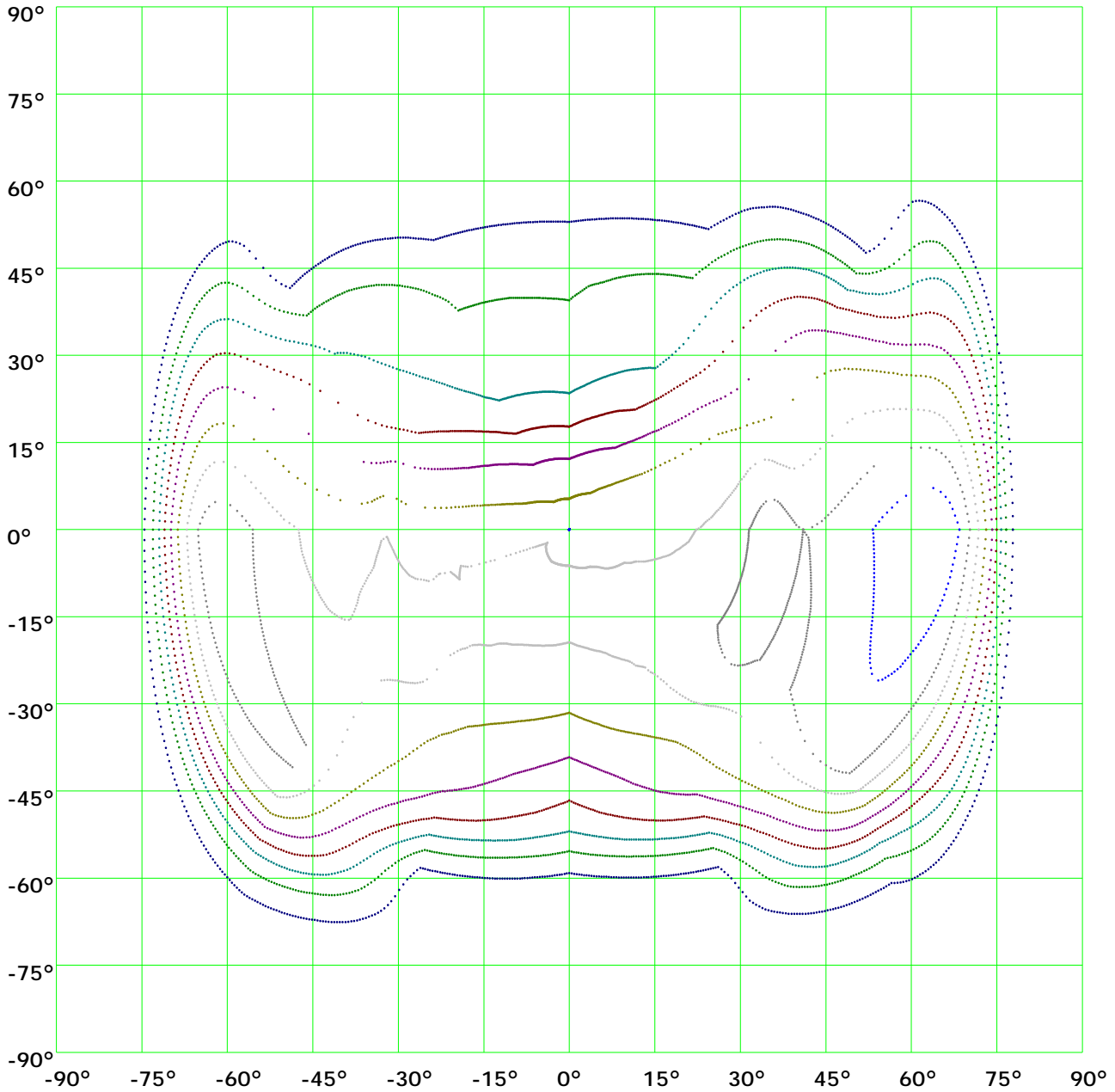
Light Distribution Curve [Unit: cd]







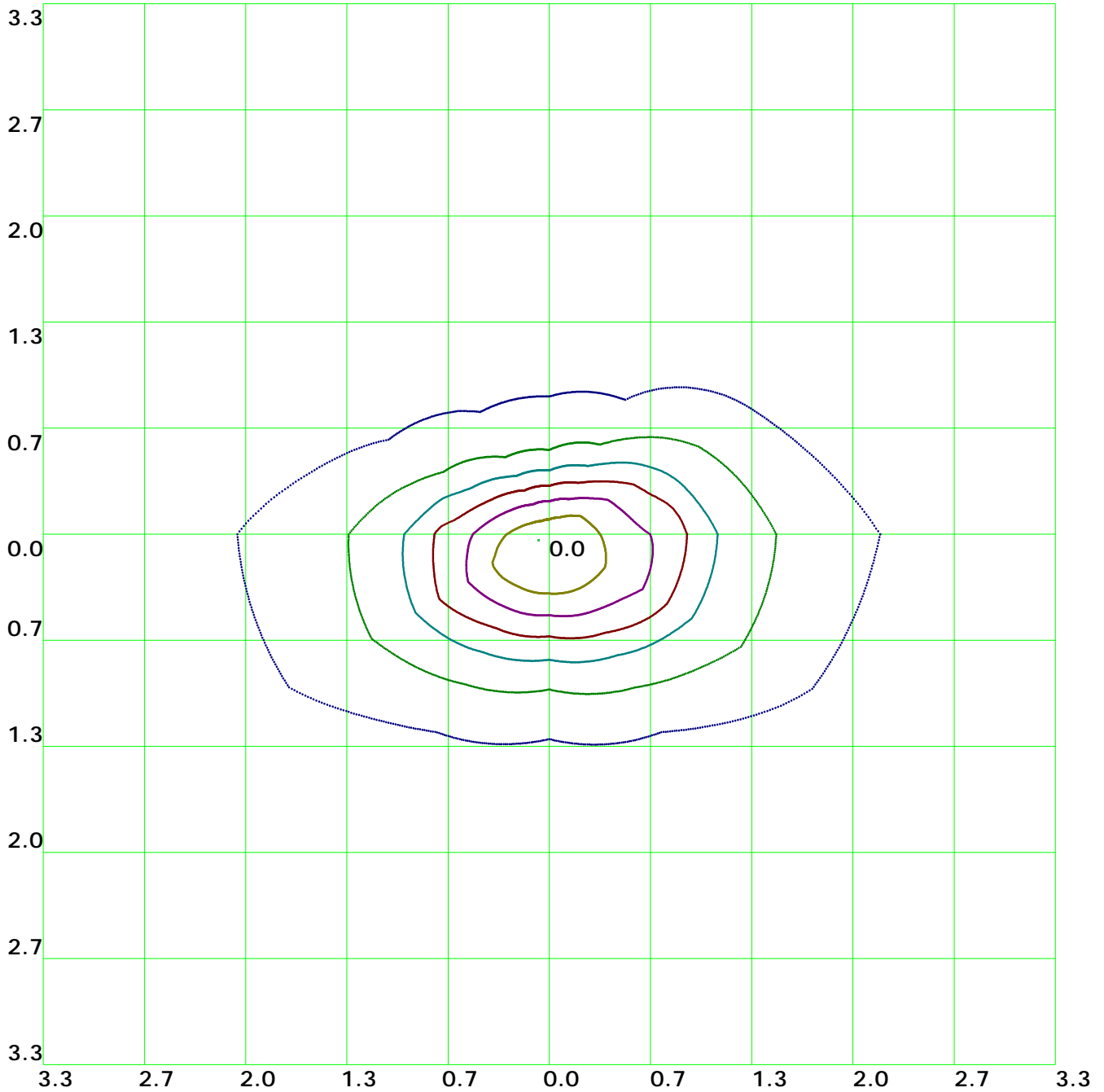
## Isocandela(rectangle)



— (10%): 279.2cd	— (20%): 558.5cd	— (30%): 837.7cd	— (40%): 1117.cd
— (50%): 1396.2cd	— (60%): 1675.5cd	— (70%): 1954.7cd	— (80%): 2233.9cd
— (90%): 2513.2cd	— (100%): 2792.4cd		



## Isolx curve

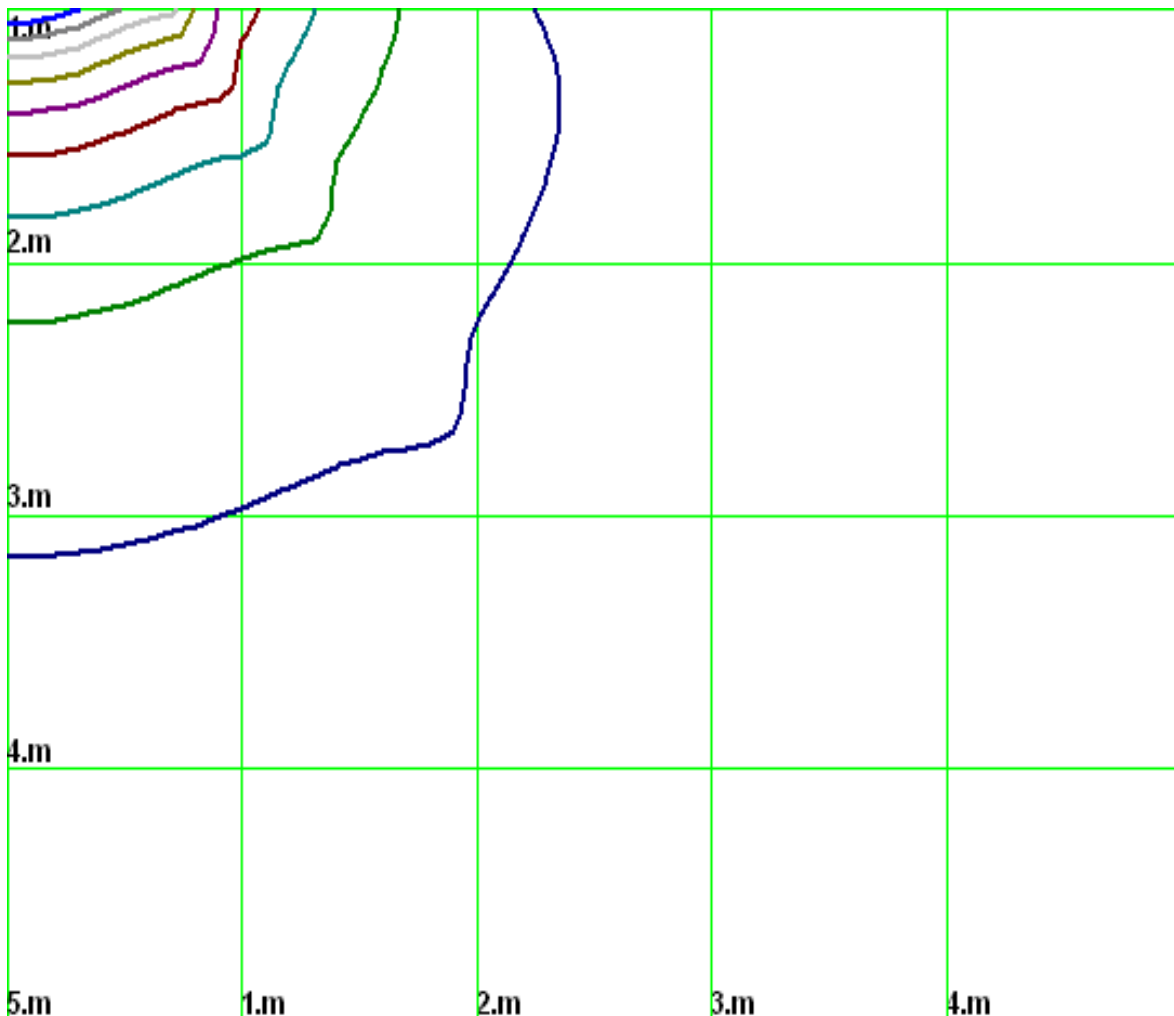


Height: 1 m

- |                   |                    |                   |                   |
|-------------------|--------------------|-------------------|-------------------|
| — (10%): 279.2lx  | — (20%): 558.5lx   | — (30%): 837.7lx  | — (40%): 1117.1lx |
| — (50%): 1396.2lx | — (60%): 1675.5lx  | — (70%): 1954.7lx | — (80%): 2233.9lx |
| — (90%): 2513.2lx | — (100%): 2789.6lx |                   |                   |



## Space Isolx Curve



- (10%): 279.2lx      — (20%): 558.5lx      — (30%): 837.7lx      — (40%): 1117.1lx
- (50%): 1396.2lx    — (60%): 1675.5lx    — (70%): 1954.7lx    — (80%): 2233.9lx
- (90%): 2513.2lx    — (100%): 2789.6lx



## Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

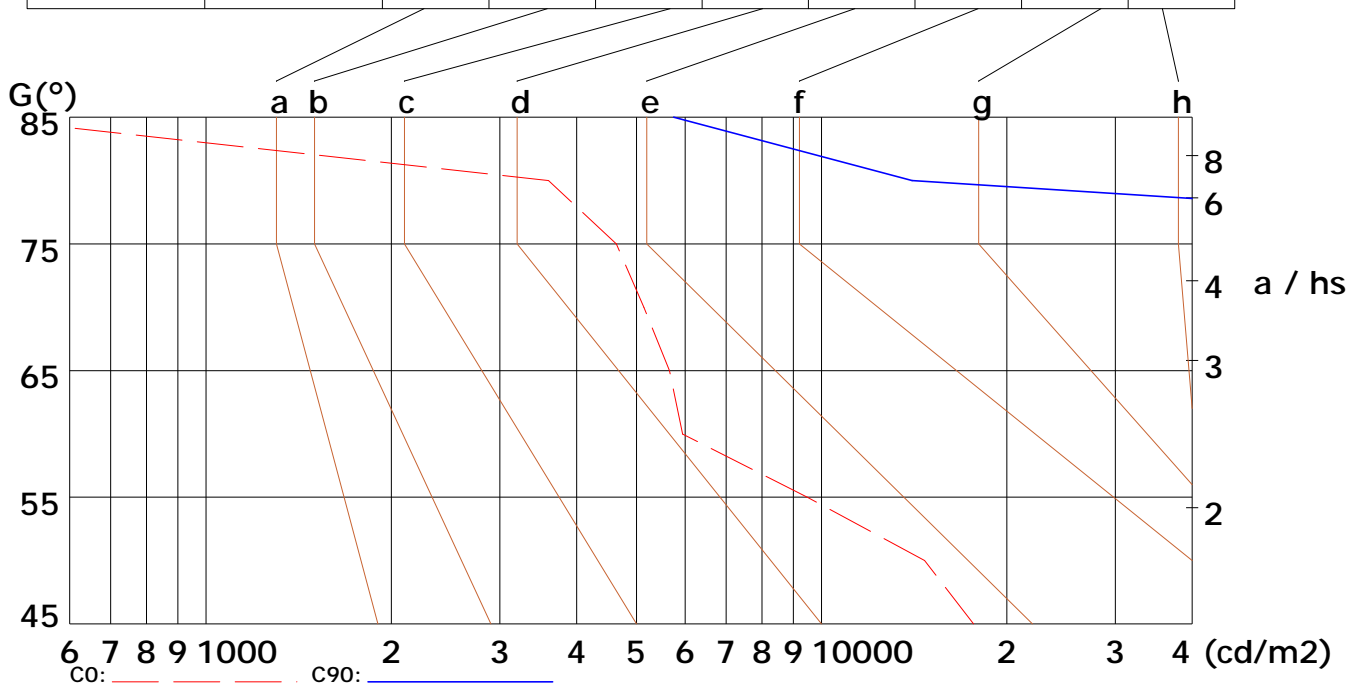
Width: 0mm

Height: 0mm

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

$\gamma$	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	17658	14693	9475	5945	5660	5145	4639	3601	0
C90	80752	93776	112325	137085	164061	166899	106748	4023	5749

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		

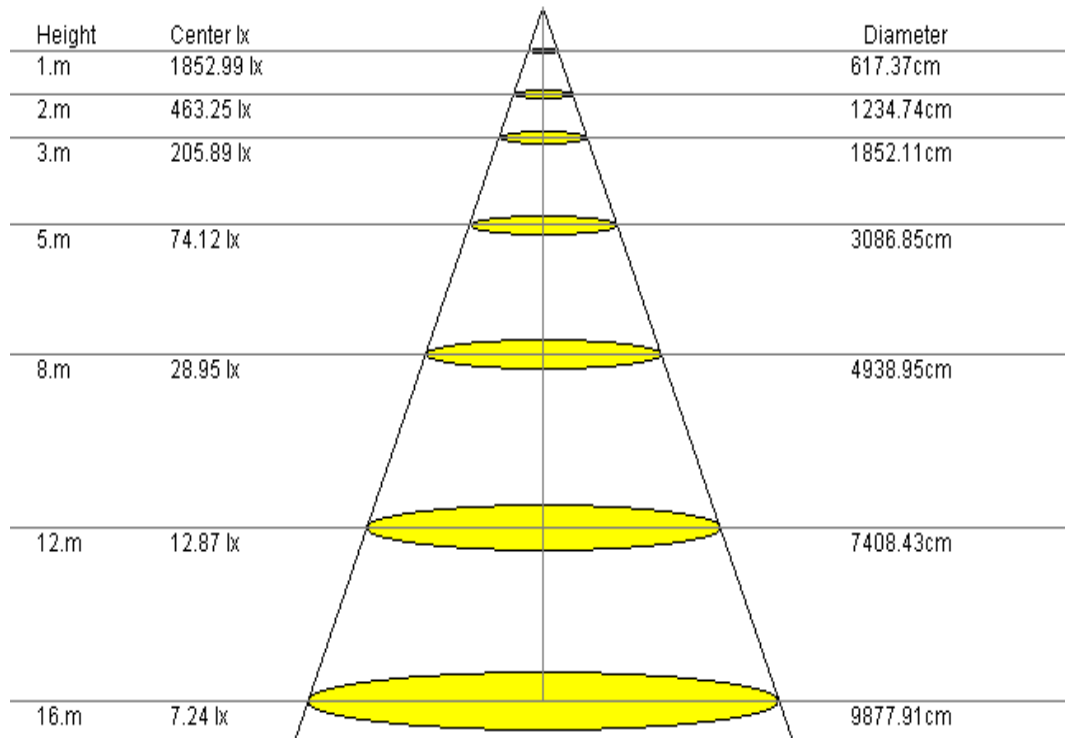


Lum. Limiting Curve (C0/C90)





## Lux-Distance Curve



**Beam Angle: 144.10° (50%Imax)**

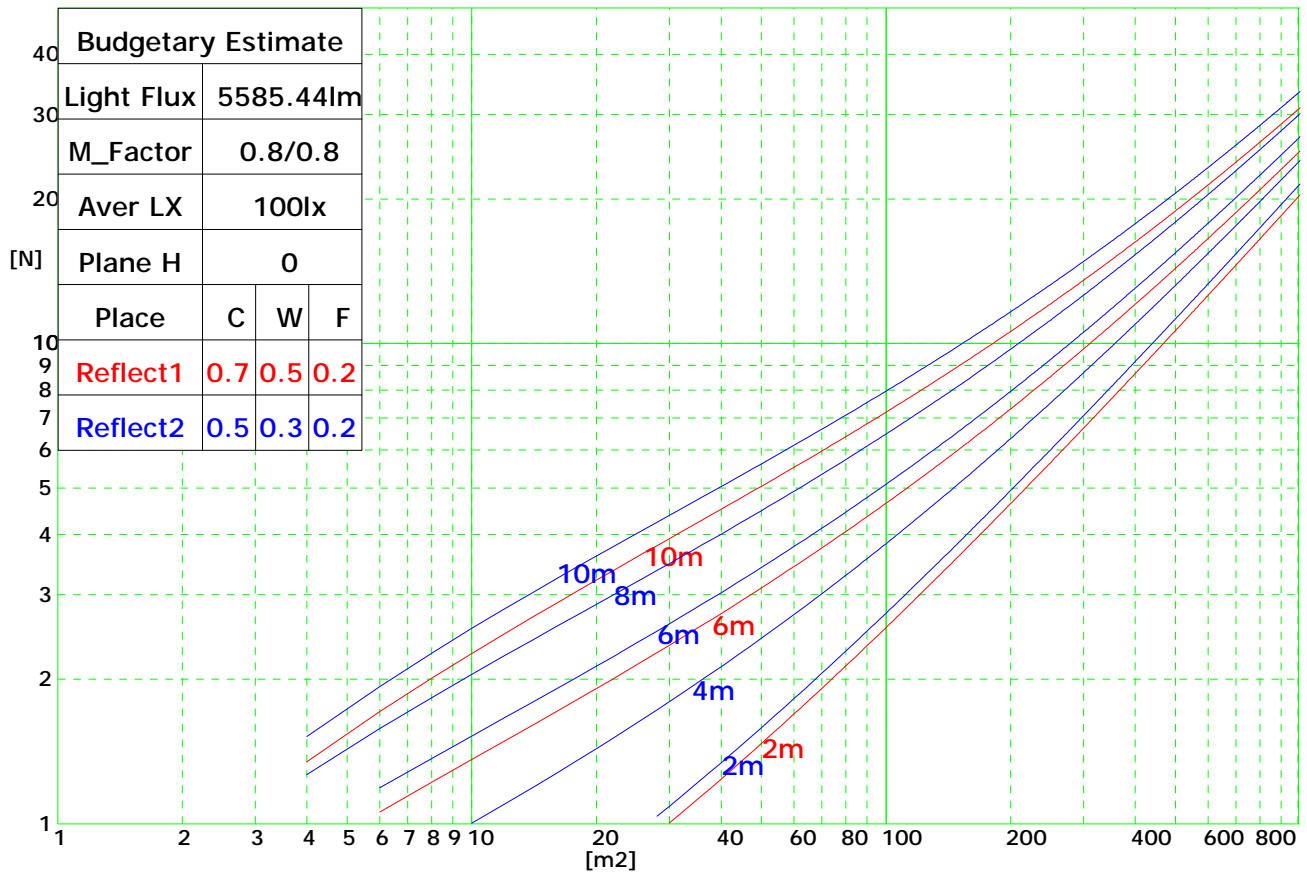


## Coefficients of Utilization

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	15.5	16.8	15.8	16.9	17.4	15.3	16.7	15.6	16.8	17.3
	3H	17.2	18.3	17.5	18.7	19.0	17.0	18.2	17.5	18.8	19.0
	4H	18.0	19.0	18.3	19.6	19.7	17.9	18.9	18.1	19.6	19.8
	6H	18.5	19.6	18.9	19.9	20.1	18.4	19.4	18.8	19.8	20.1
	8H	18.8	19.9	19.1	19.9	20.5	18.7	19.7	19.0	20.0	20.3
4H	12H	18.9	19.9	19.2	20.4	20.7	18.8	19.8	19.1	20.3	20.6
	2H	16.6	17.6	16.6	17.8	18.1	16.5	17.5	16.6	17.8	18.0
	3H	18.3	19.3	18.6	19.4	19.9	18.3	19.3	18.6	19.5	19.8
	4H	19.0	20.1	19.5	20.2	20.7	19.0	20.0	19.4	20.1	20.5
	6H	19.9	20.7	20.1	20.8	21.2	19.6	20.5	20.1	20.9	21.2
8H	8H	20.0	20.8	20.5	21.0	21.5	20.0	20.7	20.4	21.1	21.4
	12H	20.3	21.0	20.7	21.1	21.5	20.2	20.8	20.6	21.3	21.5
	4H	19.6	20.1	19.8	20.4	21.0	19.4	20.2	19.7	20.4	21.0
	6H	20.4	21.0	20.8	21.3	21.6	20.4	20.9	20.7	21.4	21.7
	8H	20.8	21.1	21.3	21.6	22.0	20.7	21.1	21.1	21.6	22.1
12H	12H	21.1	21.4	21.5	22.0	22.3	20.9	21.4	21.4	21.9	22.3
	4H	19.6	20.1	20.1	20.5	20.9	19.4	20.1	20.0	20.5	20.9
	6H	20.6	20.9	21.0	21.4	21.7	20.6	21.0	20.9	21.4	21.7
	8H	20.9	21.5	21.5	21.6	22.1	20.8	21.3	21.4	21.7	22.2