



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-2-835-U10-SM-CP.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 14298494.05\_modified to 2ft length  
 [TESTLAB] UL LLC  
 [ISSUEDATE] 4/29/2022  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] HIGH-2-835-U10-SM-CP  
 [LUMINAIRE] HIGH Line LED Fixture, 2' Length, 3500K, Clear Polycarbonate Lens  
 [LAMP] White LED array  
 [BALLAST] One (1) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB  
 [OTHER] -  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7837
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	53.45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.08 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	47647	46948	47013
55	38690	42231	46796
65	27694	39657	44235
75	16860	34578	35487
85	7567	27440	25333

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
<b>0.0</b>	2258.00	2258.00	2258.00	2258.00	2258.00	2258.00	2258.00	2258.00	2258.00
<b>0.5</b>	2254.00	2260.00	2257.50	2254.50	2269.00	2254.50	2257.00	2257.50	2254.00
<b>1.0</b>	2254.00	2259.50	2258.00	2255.50	2270.00	2255.00	2257.00	2258.00	2252.50
<b>1.5</b>	2254.00	2260.00	2259.00	2255.50	2271.00	2256.00	2257.50	2257.00	2252.00
<b>2.0</b>	2253.00	2258.00	2258.50	2258.00	2272.50	2255.50	2257.50	2256.00	2251.00
<b>2.5</b>	2253.00	2258.00	2260.00	2260.00	2275.00	2258.00	2257.00	2255.50	2248.50
<b>3.0</b>	2252.50	2257.50	2260.50	2261.50	2276.50	2259.00	2258.00	2255.50	2246.50
<b>3.5</b>	2250.50	2257.50	2260.50	2263.00	2279.50	2262.00	2258.00	2254.00	2245.50
<b>4.0</b>	2248.00	2256.50	2262.00	2265.00	2281.00	2264.00	2258.00	2254.00	2242.00
<b>4.5</b>	2247.00	2255.50	2263.00	2267.00	2285.00	2265.50	2259.00	2253.00	2240.00
<b>5.0</b>	2246.50	2254.50	2263.50	2269.50	2287.50	2266.50	2259.50	2251.50	2238.00
<b>5.5</b>	2244.00	2252.50	2263.50	2271.00	2289.50	2269.00	2260.50	2250.00	2236.00
<b>6.0</b>	2241.00	2251.50	2264.00	2272.00	2291.00	2271.00	2259.50	2248.50	2232.50
<b>6.5</b>	2237.50	2250.00	2264.00	2273.50	2292.00	2271.00	2259.50	2247.00	2229.50
<b>7.0</b>	2234.50	2248.00	2263.50	2274.00	2293.50	2272.50	2261.00	2244.00	2225.00
<b>7.5</b>	2231.00	2245.50	2263.50	2274.00	2294.00	2273.00	2260.00	2242.00	2220.50
<b>8.0</b>	2227.50	2243.50	2261.50	2274.50	2294.50	2273.50	2259.00	2240.00	2216.50
<b>8.5</b>	2224.00	2240.50	2260.50	2273.50	2294.00	2274.00	2257.50	2237.50	2214.00
<b>9.0</b>	2220.00	2236.50	2259.50	2272.50	2294.50	2273.50	2256.00	2234.50	2210.00
<b>9.5</b>	2216.50	2234.00	2257.50	2273.00	2295.50	2272.50	2255.50	2231.00	2204.00
<b>10.0</b>	2212.50	2231.00	2256.50	2273.00	2296.00	2272.00	2252.50	2228.00	2199.50
<b>10.5</b>	2207.50	2228.00	2254.50	2273.50	2296.50	2272.00	2250.50	2224.50	2195.00
<b>11.0</b>	2203.50	2225.50	2252.00	2273.00	2298.50	2272.00	2249.00	2221.50	2189.00
<b>11.5</b>	2197.50	2220.00	2250.00	2274.00	2300.00	2272.00	2246.50	2217.50	2181.50
<b>12.0</b>	2192.50	2216.00	2247.50	2274.00	2300.00	2271.50	2244.00	2214.00	2177.00
<b>12.5</b>	2185.50	2212.50	2245.00	2275.00	2303.00	2272.50	2241.50	2211.00	2171.50
<b>13.0</b>	2179.50	2207.50	2242.00	2276.50	2305.00	2273.50	2238.50	2206.00	2164.00
<b>13.5</b>	2173.00	2202.50	2239.50	2276.00	2305.00	2272.50	2236.50	2201.00	2157.50
<b>14.0</b>	2167.00	2196.50	2238.00	2277.00	2306.50	2271.50	2233.50	2195.50	2150.50
<b>14.5</b>	2159.00	2192.00	2234.50	2277.50	2307.50	2273.00	2230.00	2191.00	2143.00
<b>15.0</b>	2153.00	2185.00	2232.00	2278.00	2307.50	2273.00	2226.50	2185.00	2134.50
<b>15.5</b>	2146.00	2179.50	2229.50	2277.50	2308.00	2273.00	2224.00	2179.50	2127.00
<b>16.0</b>	2138.50	2173.00	2227.00	2277.00	2307.50	2272.50	2221.50	2173.50	2119.50
<b>16.5</b>	2131.50	2167.00	2224.00	2276.00	2306.50	2271.50	2218.00	2167.50	2111.00
<b>17.0</b>	2125.50	2160.00	2219.50	2273.50	2303.00	2270.00	2214.00	2161.00	2103.00
<b>17.5</b>	2117.00	2154.00	2217.00	2270.50	2301.50	2268.50	2211.00	2155.00	2095.00
<b>18.0</b>	2108.50	2148.00	2214.00	2268.50	2299.00	2265.50	2206.50	2147.50	2086.00
<b>18.5</b>	2101.00	2140.50	2211.00	2265.50	2294.50	2262.50	2203.50	2141.00	2077.00
<b>19.0</b>	2090.50	2132.50	2206.00	2262.00	2293.00	2259.50	2199.50	2133.50	2068.50
<b>19.5</b>	2083.00	2124.00	2202.00	2256.50	2288.50	2255.00	2196.00	2126.00	2058.50
<b>20.0</b>	2074.50	2116.50	2196.50	2253.00	2284.00	2251.00	2190.00	2118.50	2049.50
<b>20.5</b>	2064.50	2109.00	2191.50	2248.00	2279.50	2246.00	2185.50	2109.00	2038.00
<b>21.0</b>	2053.50	2099.50	2185.50	2243.00	2273.50	2241.00	2180.00	2101.00	2028.00
<b>21.5</b>	2043.50	2091.00	2180.50	2237.50	2269.00	2235.00	2174.00	2092.00	2017.50
<b>22.0</b>	2034.50	2082.00	2174.50	2232.00	2264.00	2229.00	2169.00	2083.50	2007.50
<b>22.5</b>	2024.00	2072.00	2168.50	2226.00	2258.00	2223.00	2163.00	2073.50	1996.00
<b>23.0</b>	2015.00	2063.00	2160.50	2218.00	2252.50	2216.00	2157.00	2064.00	1984.00
<b>23.5</b>	2004.00	2052.50	2154.00	2212.00	2246.00	2210.50	2149.50	2054.50	1973.50
<b>24.0</b>	1993.00	2041.50	2146.50	2205.00	2240.00	2203.50	2142.50	2044.50	1962.00
<b>24.5</b>	1981.00	2031.50	2137.50	2198.50	2233.50	2197.00	2134.50	2034.50	1948.50
<b>25.0</b>	1969.00	2019.50	2129.50	2192.00	2227.50	2190.00	2126.00	2024.00	1935.50
<b>25.5</b>	1957.50	2008.50	2121.00	2184.50	2220.50	2183.00	2117.50	2012.50	1923.00
<b>26.0</b>	1944.50	1997.50	2111.00	2176.50	2213.00	2176.00	2108.50	2001.50	1911.50
<b>26.5</b>	1933.50	1986.50	2101.50	2169.50	2205.00	2168.50	2098.50	1990.50	1898.00

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27.0	1919.50	1974.00	2091.50	2160.00	2197.00	2160.50	2089.00	1979.00	1883.00
27.5	1905.50	1963.00	2082.00	2152.00	2189.50	2152.00	2078.50	1966.50	1870.00
28.0	1893.00	1950.00	2070.50	2143.50	2182.00	2143.50	2069.50	1955.00	1856.50
28.5	1877.50	1937.50	2061.50	2134.00	2173.00	2134.50	2058.50	1943.00	1843.50
29.0	1864.00	1925.50	2049.50	2124.50	2163.00	2125.00	2048.50	1930.00	1829.50
29.5	1849.50	1913.00	2039.50	2116.00	2154.00	2117.00	2036.50	1917.50	1816.00
30.0	1835.00	1900.00	2027.50	2106.00	2145.00	2107.50	2026.00	1905.50	1802.50
30.5	1821.00	1887.00	2017.00	2097.00	2134.00	2098.00	2014.50	1891.00	1787.50
31.0	1807.00	1874.00	2005.50	2087.50	2125.00	2088.50	2004.00	1878.00	1772.50
31.5	1791.00	1860.50	1993.50	2077.50	2114.50	2078.50	1992.50	1864.50	1758.00
32.0	1776.00	1845.00	1981.00	2067.00	2102.00	2069.50	1980.50	1851.50	1741.00
32.5	1760.00	1831.50	1969.00	2056.50	2091.00	2059.00	1969.00	1838.50	1726.00
33.0	1745.50	1817.00	1956.00	2046.00	2079.50	2049.00	1957.00	1823.00	1710.50
33.5	1730.00	1803.50	1944.00	2035.00	2066.00	2037.00	1945.00	1809.50	1694.00
34.0	1713.50	1787.50	1931.00	2024.00	2054.00	2025.50	1931.50	1794.00	1679.00
34.5	1702.00	1772.00	1918.50	2012.50	2040.50	2014.00	1920.00	1780.50	1663.50
35.0	1686.00	1756.50	1906.00	1999.50	2026.50	2002.00	1907.50	1767.00	1646.00
35.5	1667.50	1741.50	1892.00	1987.50	2012.50	1989.50	1894.50	1752.00	1627.00
36.0	1653.00	1725.00	1878.00	1975.00	1997.50	1977.00	1881.00	1736.50	1612.50
36.5	1637.50	1708.50	1865.50	1960.00	1983.50	1964.50	1868.50	1720.50	1595.50
37.0	1618.50	1693.50	1852.50	1945.50	1967.50	1950.50	1855.00	1705.00	1571.00
37.5	1605.00	1675.50	1839.50	1931.50	1951.00	1937.00	1841.50	1688.00	1562.00
38.0	1586.00	1660.50	1824.50	1917.00	1935.50	1922.50	1828.50	1671.50	1548.00
38.5	1567.00	1642.00	1811.50	1902.00	1921.00	1907.50	1814.00	1654.00	1527.50
39.0	1549.00	1626.50	1797.50	1887.50	1904.00	1892.50	1801.00	1638.50	1503.00
39.5	1520.00	1607.50	1782.50	1873.00	1888.50	1877.50	1787.00	1622.50	1487.00
40.0	1511.00	1589.00	1768.00	1856.50	1871.50	1862.00	1773.00	1606.00	1469.50
40.5	1496.50	1571.00	1753.50	1841.00	1856.00	1847.00	1756.50	1587.50	1447.00
41.0	1473.00	1555.50	1739.00	1826.00	1839.50	1831.50	1743.00	1567.50	1432.50
41.5	1451.50	1541.50	1723.00	1810.50	1824.50	1815.00	1729.50	1552.50	1416.50
42.0	1429.50	1517.00	1707.00	1794.50	1808.50	1800.00	1714.50	1538.00	1403.50
42.5	1410.50	1501.00	1692.50	1779.50	1794.00	1784.00	1699.50	1515.50	1376.50
43.0	1383.00	1477.50	1678.00	1762.50	1778.00	1769.00	1683.00	1497.00	1355.50
43.5	1366.00	1461.50	1664.50	1745.50	1765.00	1753.00	1669.00	1477.00	1337.00
44.0	1348.50	1443.00	1644.00	1731.00	1751.00	1735.50	1652.00	1458.50	1311.50
44.5	1325.50	1424.50	1629.50	1714.00	1738.00	1719.00	1637.50	1441.00	1293.00
45.0	1303.00	1402.50	1615.50	1699.00	1724.00	1703.50	1620.50	1421.00	1277.00
45.5	1282.00	1382.00	1598.50	1685.00	1712.00	1690.50	1607.00	1405.00	1253.50
46.0	1262.00	1365.00	1581.00	1669.50	1701.00	1676.50	1588.00	1386.00	1233.50
46.5	1239.50	1346.00	1566.50	1654.50	1690.50	1662.00	1574.00	1363.50	1213.00
47.0	1219.00	1324.50	1544.50	1641.00	1681.00	1647.00	1560.50	1347.00	1191.00
47.5	1196.50	1303.50	1534.50	1626.50	1672.00	1632.00	1533.50	1328.50	1169.00
48.0	1175.50	1284.00	1520.00	1616.50	1667.50	1618.00	1522.50	1307.00	1148.50
48.5	1154.00	1266.00	1501.50	1605.50	1659.00	1606.50	1508.00	1288.00	1126.50
49.0	1131.50	1246.50	1487.00	1588.50	1651.00	1597.50	1490.50	1268.00	1104.50
49.5	1109.00	1226.00	1466.00	1581.50	1644.50	1583.00	1479.50	1249.50	1082.00
50.0	1088.00	1207.00	1451.00	1571.50	1638.50	1573.00	1459.50	1230.00	1062.00
50.5	1066.00	1186.00	1437.00	1558.50	1632.50	1565.00	1448.50	1210.50	1039.50
51.0	1044.00	1166.00	1418.50	1559.00	1627.50	1550.00	1429.50	1190.00	1017.00
51.5	1022.50	1146.50	1406.00	1547.00	1621.50	1543.00	1413.00	1170.00	997.00
52.0	1001.50	1126.00	1392.00	1538.00	1612.50	1535.00	1393.50	1150.00	975.50
52.5	979.50	1106.50	1380.50	1527.50	1603.50	1529.00	1380.00	1130.50	953.50
53.0	957.50	1086.00	1359.00	1520.50	1599.50	1523.00	1364.00	1110.00	932.00
53.5	937.50	1066.00	1340.50	1517.00	1588.50	1510.50	1351.00	1089.50	911.00
54.0	917.00	1044.50	1329.00	1510.00	1580.00	1504.50	1334.00	1069.50	890.00
54.5	895.00	1024.00	1313.00	1503.00	1572.00	1499.50	1321.00	1049.00	867.50

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**CANDELA TABULATION - (Cont.)**

55.0	873.50	1003.50	1299.00	1496.50	1562.00	1485.00	1305.50	1029.00	847.00
55.5	852.50	984.00	1286.00	1484.50	1554.00	1487.50	1291.50	1009.00	825.00
56.0	831.00	963.00	1271.50	1471.50	1542.50	1477.50	1277.00	988.50	803.50
56.5	809.50	942.50	1258.50	1462.50	1530.50	1466.00	1262.00	968.00	783.50
57.0	790.50	922.00	1244.50	1456.50	1517.50	1455.00	1248.50	948.00	763.00
57.5	769.50	901.50	1230.00	1443.50	1504.00	1449.00	1235.50	928.00	743.00
58.0	748.50	881.50	1218.50	1433.50	1498.00	1437.50	1222.50	908.50	721.00
58.5	728.50	861.00	1206.00	1425.50	1485.00	1422.50	1209.00	888.50	700.50
59.0	708.00	842.00	1192.00	1410.00	1471.50	1413.00	1195.50	869.00	680.50
59.5	687.50	821.50	1181.00	1395.50	1460.50	1403.00	1184.00	849.00	660.00
60.0	667.50	802.00	1168.00	1386.50	1443.50	1387.50	1170.50	830.50	640.00
60.5	647.50	783.00	1155.00	1372.50	1426.50	1380.50	1159.00	810.50	620.50
61.0	627.00	763.50	1141.50	1359.50	1413.50	1369.00	1146.00	790.50	602.50
61.5	607.50	744.00	1129.00	1350.00	1398.50	1350.50	1134.50	771.50	583.00
62.0	590.00	725.00	1117.50	1328.00	1387.50	1342.00	1121.50	752.50	564.00
62.5	570.00	707.00	1104.00	1320.00	1375.00	1329.50	1108.00	733.50	545.00
63.0	550.50	688.50	1092.00	1305.50	1357.00	1312.50	1095.50	715.00	526.50
63.5	531.00	669.50	1078.50	1294.00	1337.00	1299.50	1082.50	696.50	508.00
64.0	512.00	652.00	1064.50	1277.50	1322.50	1282.50	1069.00	677.50	489.70
64.5	493.10	634.50	1052.00	1261.50	1305.50	1269.00	1057.00	660.50	471.70
65.0	474.15	617.50	1038.00	1242.50	1286.00	1255.00	1043.50	643.00	454.20
65.5	455.70	601.50	1024.00	1230.00	1266.50	1236.50	1028.50	624.50	437.15
66.0	438.15	585.00	1011.00	1213.50	1248.00	1220.50	1015.50	608.50	420.55
66.5	420.90	568.50	996.50	1195.50	1229.00	1203.50	1001.00	591.50	404.35
67.0	404.05	552.00	981.50	1178.00	1208.50	1185.00	987.50	575.50	388.35
67.5	387.35	536.00	967.00	1159.50	1188.00	1167.00	972.00	558.50	372.80
68.0	370.95	519.50	951.50	1141.00	1166.00	1148.50	957.50	542.00	357.50
68.5	355.45	504.00	936.00	1122.00	1145.00	1129.00	943.50	526.00	342.60
69.0	340.15	488.50	921.50	1104.00	1123.00	1111.00	928.00	510.00	328.35
69.5	325.35	473.35	905.50	1084.00	1102.00	1090.50	912.50	494.55	314.25
70.0	310.75	458.30	889.50	1064.00	1078.00	1071.50	897.00	479.45	300.45
70.5	296.75	443.35	873.00	1043.00	1055.00	1050.50	880.50	464.30	286.90
71.0	283.05	428.90	856.50	1022.00	1031.00	1030.00	864.00	449.40	273.75
71.5	270.15	414.80	840.00	1001.50	1008.50	1009.00	848.00	434.75	261.15
72.0	257.15	400.60	822.00	980.50	986.00	987.50	831.50	420.35	248.75
72.5	244.85	386.70	805.50	959.00	961.50	966.50	814.00	406.60	236.85
73.0	232.85	373.20	788.00	937.50	939.00	946.00	797.00	392.80	225.35
73.5	221.05	360.10	771.00	917.00	915.50	925.00	779.50	379.20	213.80
74.0	209.65	347.05	754.00	894.50	893.00	903.00	762.50	365.80	202.75
74.5	198.65	334.50	736.50	874.50	869.50	883.00	745.00	352.75	191.80
75.0	187.90	322.25	719.00	852.50	847.50	862.50	726.00	339.95	181.75
75.5	177.70	310.15	702.00	832.00	826.00	842.00	709.00	327.70	171.30
76.0	167.60	298.40	685.00	812.50	803.50	822.00	690.50	315.65	161.40
76.5	157.90	286.90	667.50	793.00	783.50	802.00	674.50	303.70	151.70
77.0	148.70	275.65	650.50	772.00	761.00	781.50	657.00	292.05	142.50
77.5	139.70	264.80	633.00	752.00	740.00	762.00	640.50	280.55	133.45
78.0	130.65	254.15	617.50	731.00	718.00	742.00	623.50	269.50	124.75
78.5	122.15	243.85	601.50	712.00	697.00	720.50	607.50	258.80	116.40
79.0	113.85	233.55	585.50	691.50	676.00	701.00	590.50	248.35	108.30
79.5	105.95	223.80	569.00	672.00	654.50	680.50	575.50	237.85	100.40
80.0	98.30	214.10	552.50	652.50	634.50	660.50	559.00	227.80	92.70
80.5	91.00	204.60	536.00	633.00	616.00	641.00	543.00	217.90	85.50
81.0	83.90	195.25	520.00	614.00	595.00	622.00	527.00	208.30	78.60
81.5	77.05	186.25	505.00	596.50	576.50	604.00	511.50	198.85	71.85
82.0	70.60	177.50	489.70	579.50	559.00	587.00	496.15	189.55	65.55
82.5	64.20	169.10	474.95	561.50	540.50	569.00	481.15	180.55	59.40

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**CANDELA TABULATION - (Cont.)**

83.0	58.15	161.20	460.55	544.00	522.50	551.50	466.65	171.90	53.65
83.5	52.35	153.35	446.45	527.00	505.00	534.00	452.45	163.65	48.10
84.0	46.80	145.80	432.55	510.00	488.15	517.00	438.65	155.60	42.90
84.5	41.55	138.55	418.95	493.60	471.40	499.95	425.05	147.90	37.95
85.0	36.55	131.40	405.60	477.55	455.15	483.05	411.75	140.50	33.30
85.5	31.85	124.65	392.80	461.70	439.30	467.50	398.35	133.25	28.95
86.0	27.40	118.10	380.20	446.45	424.05	452.10	385.50	126.40	24.85
86.5	23.25	112.00	367.70	431.60	409.00	437.20	373.05	119.70	21.05
87.0	19.35	106.10	355.50	417.25	394.30	422.50	361.00	113.30	17.45
87.5	15.70	100.65	344.00	403.00	380.10	408.15	349.25	107.45	14.35
88.0	12.40	95.70	332.75	389.25	366.30	394.10	337.85	101.90	11.70
88.5	9.55	91.30	321.80	376.00	353.10	380.55	326.60	96.75	9.50
89.0	7.20	87.30	311.45	362.85	340.15	367.30	316.00	92.10	7.85
89.5	5.35	83.80	301.70	350.35	327.50	354.50	305.95	88.10	4.90
90.0	3.20	80.80	292.75	338.20	315.50	342.15	296.45	84.70	2.80
90.5	2.55	78.30	284.30	326.50	304.05	330.30	287.55	81.65	2.75
91.0	2.60	76.10	276.35	315.40	292.95	318.90	279.25	79.05	2.75
91.5	2.65	74.00	268.80	304.70	282.50	308.10	271.45	76.85	2.80
92.0	2.70	72.20	261.60	294.50	272.55	297.75	264.25	74.85	2.95
92.5	2.85	70.60	254.75	285.05	263.05	287.95	257.25	73.00	3.00
93.0	2.95	69.15	248.40	275.90	253.95	278.55	250.90	71.15	3.10
93.5	3.00	67.80	242.00	267.05	245.45	269.50	244.65	69.45	3.25
94.0	3.20	66.65	235.95	258.60	237.20	260.90	238.60	68.05	3.40
94.5	3.40	65.45	230.15	250.45	229.45	252.70	232.60	66.70	3.55
95.0	3.60	64.55	224.35	242.55	221.95	244.70	226.65	65.45	3.65
95.5	3.80	63.65	218.60	234.85	214.85	237.15	220.80	64.25	3.75
96.0	4.05	62.70	212.90	227.55	208.15	229.95	215.10	63.25	3.85
96.5	4.35	62.05	207.40	220.55	201.70	222.95	209.40	62.25	4.00
97.0	4.60	61.30	202.10	214.10	195.65	216.30	204.00	61.40	4.05
97.5	4.85	60.70	197.00	207.80	189.95	210.10	198.85	60.70	4.15
98.0	5.15	60.00	192.10	201.95	184.40	204.05	193.80	59.95	4.30
98.5	5.45	59.35	187.40	196.25	179.35	198.35	188.80	59.45	4.45
99.0	5.75	58.95	182.70	190.95	174.55	193.05	184.00	58.95	4.70
99.5	6.05	58.65	178.25	185.95	170.10	188.00	179.50	58.60	4.95
100.0	6.40	58.50	174.10	181.25	165.90	183.05	175.25	58.40	5.15
100.5	6.65	58.55	170.05	176.70	162.00	178.35	171.10	58.35	5.35
101.0	6.95	58.75	166.15	172.45	158.35	173.95	167.00	58.40	5.55
101.5	7.20	59.10	162.55	168.40	154.90	169.80	163.35	58.55	5.85
102.0	7.60	59.40	159.15	164.60	151.60	165.85	159.75	58.80	6.20
102.5	7.95	59.90	155.80	161.00	148.70	162.25	156.40	59.20	6.55
103.0	8.30	60.40	152.65	157.75	145.95	158.80	153.05	59.65	6.85
103.5	8.70	60.95	149.65	154.65	143.25	155.55	150.00	60.25	7.20
104.0	9.05	61.50	146.70	151.70	140.85	152.45	146.95	60.80	7.50
104.5	9.40	62.05	143.95	148.80	138.45	149.50	144.35	61.45	7.85
105.0	9.80	62.65	141.40	146.25	136.30	146.75	141.65	62.00	8.15
105.5	10.20	63.25	139.00	143.70	134.40	144.25	139.30	62.75	8.40
106.0	10.55	63.80	136.70	141.45	132.50	141.95	137.15	63.35	8.75
106.5	10.95	64.35	134.60	139.40	130.90	139.75	134.85	64.00	9.10
107.0	11.40	64.80	132.55	137.40	129.20	137.70	132.95	64.65	9.40
107.5	11.80	65.15	130.70	135.55	127.70	135.80	131.20	65.10	9.75
108.0	12.20	65.60	129.10	133.90	126.40	134.10	129.50	65.50	10.05
108.5	12.60	65.90	127.55	132.40	125.05	132.50	128.05	65.75	10.35
109.0	13.00	66.40	126.45	130.90	123.90	131.05	126.85	65.90	10.70
109.5	13.45	66.80	125.65	129.45	122.85	129.70	125.80	66.15	11.10
110.0	13.85	67.15	125.00	128.25	121.70	128.40	124.95	66.35	11.40
110.5	14.25	67.55	124.35	127.00	120.95	127.15	124.15	66.75	11.80

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**CANDELA TABULATION - (Cont.)**

111.0	14.60	67.80	124.05	125.65	119.95	126.00	123.60	67.10	12.10
111.5	15.05	68.10	123.70	124.45	119.05	125.00	123.05	67.65	12.45
112.0	15.45	68.40	123.50	123.40	118.25	123.95	122.80	67.90	12.75
112.5	15.85	68.75	123.20	122.60	117.45	123.10	122.60	68.35	13.05
113.0	16.25	69.00	123.05	121.80	116.70	122.25	122.35	68.50	13.40
113.5	16.65	69.35	123.00	120.90	115.85	121.40	122.25	68.45	13.80
114.0	17.00	69.75	123.05	120.05	115.25	120.75	122.20	68.45	14.15
114.5	17.45	70.15	122.95	119.55	114.55	120.25	122.35	68.80	14.50
115.0	17.80	70.45	122.95	119.00	113.90	119.70	122.35	69.20	14.85
115.5	18.25	70.80	122.90	118.75	113.30	119.20	122.35	69.50	15.10
116.0	18.65	71.05	122.65	118.45	112.60	118.85	122.40	69.70	15.25
116.5	19.00	71.35	122.55	118.15	112.00	118.55	122.35	69.85	15.45
117.0	19.35	71.60	122.40	117.75	111.55	118.25	122.30	69.95	15.65
117.5	19.75	71.90	122.00	117.45	111.20	118.00	122.00	70.15	15.95
118.0	20.10	72.10	121.65	117.35	110.70	117.65	121.55	70.30	16.10
118.5	20.40	72.30	121.30	117.20	110.40	117.35	121.05	70.45	16.35
119.0	20.75	72.45	120.85	117.15	110.10	117.00	120.50	70.55	16.60
119.5	21.00	72.45	120.25	116.95	109.80	116.65	119.70	70.65	16.70
120.0	21.30	72.50	119.75	116.95	109.70	116.40	118.95	70.60	16.90
120.5	21.60	72.55	119.20	116.90	109.60	116.15	118.15	70.55	17.05
121.0	21.85	72.35	118.45	116.80	109.60	115.75	117.60	70.40	17.20
121.5	22.00	72.30	117.70	116.60	109.70	115.55	117.10	69.95	17.35
122.0	22.20	72.20	117.00	116.45	109.75	115.35	116.40	69.60	17.50
122.5	22.40	72.10	116.25	116.30	109.65	115.15	115.80	69.40	17.60
123.0	22.55	71.90	115.45	116.05	109.70	115.00	115.05	69.00	17.70
123.5	22.75	71.60	114.65	115.80	109.65	114.80	113.50	67.70	17.85
124.0	22.90	71.35	113.65	115.45	109.50	114.50	111.05	66.55	17.95
124.5	23.05	71.00	112.70	115.05	109.40	114.20	109.15	65.95	18.10
125.0	23.15	70.70	111.90	114.55	109.25	113.80	107.95	65.95	18.20
125.5	23.30	70.30	110.85	114.05	109.05	113.35	107.50	66.30	18.35
126.0	23.45	69.90	109.85	113.45	108.75	112.85	107.20	66.75	18.40
126.5	23.55	69.50	108.70	112.80	108.35	112.30	106.60	66.50	18.50
127.0	23.65	69.00	107.70	112.20	108.00	111.60	105.80	65.80	18.55
127.5	23.70	68.60	106.55	111.40	107.55	110.95	104.85	65.00	18.60
128.0	23.80	68.05	105.30	110.65	107.10	110.25	103.80	64.00	18.70
128.5	23.90	67.55	104.10	109.75	106.50	109.65	102.75	63.05	18.75
129.0	23.95	67.00	102.80	108.90	105.95	108.90	101.70	62.10	18.75
129.5	24.05	66.30	101.55	108.05	105.20	108.00	100.50	61.15	18.80
130.0	24.05	65.70	100.25	107.10	104.55	107.30	99.10	60.10	18.80
130.5	24.10	65.05	99.00	106.20	103.95	106.30	97.45	59.15	18.85
131.0	24.15	64.25	97.85	105.20	103.15	105.30	96.10	58.15	18.90
131.5	24.15	63.50	96.75	104.10	102.25	104.30	94.60	57.20	18.90
132.0	24.15	62.60	95.65	103.15	101.60	103.30	92.90	56.20	18.95
132.5	24.10	61.60	94.55	102.05	100.75	102.10	90.95	55.15	18.95
133.0	24.10	60.65	93.55	101.05	99.95	100.40	89.05	54.10	19.00
133.5	24.05	59.65	92.50	100.05	98.95	98.35	87.10	53.15	18.95
134.0	24.00	58.65	91.45	98.95	98.10	96.55	85.35	52.15	18.90
134.5	23.95	57.75	90.40	97.85	97.15	95.10	83.85	51.15	18.90
135.0	23.90	56.85	89.35	96.70	96.25	94.10	82.35	50.20	18.85
135.5	23.85	55.90	88.30	95.60	95.20	93.40	80.70	49.20	18.80
136.0	23.75	55.10	87.15	94.30	94.15	92.60	79.05	48.20	18.75
136.5	23.65	54.30	86.15	93.05	93.30	91.50	76.90	47.20	18.70
137.0	23.60	53.60	85.05	92.00	92.35	90.45	74.60	46.20	18.65
137.5	23.50	52.75	84.00	90.70	91.35	89.45	72.10	45.20	18.60
138.0	23.40	52.10	82.90	89.60	90.20	88.30	69.70	44.25	18.50
138.5	23.30	51.30	81.75	88.45	89.30	87.20	67.65	43.30	18.35

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**CANDELA TABULATION - (Cont.)**

139.0	23.20	50.50	80.70	87.35	88.15	86.15	66.20	42.35	18.30
139.5	23.10	49.70	79.45	86.15	87.10	85.10	65.00	41.35	18.20
140.0	22.95	48.95	78.45	85.10	86.15	84.05	63.50	40.40	18.15
140.5	22.85	48.15	77.15	84.05	85.10	83.10	61.70	39.45	17.80
141.0	22.70	47.30	75.90	82.95	83.95	82.00	60.20	38.40	17.80
141.5	22.55	46.50	74.55	81.85	82.95	80.80	59.15	37.45	17.90
142.0	22.45	45.70	73.25	80.80	82.00	79.85	58.30	36.60	18.00
142.5	22.35	44.90	72.05	79.80	80.90	78.80	57.85	35.80	17.95
143.0	22.25	44.10	70.80	78.65	79.35	77.80	57.25	35.10	17.95
143.5	22.15	43.30	69.60	77.60	77.65	76.65	56.25	34.40	17.95
144.0	22.00	42.55	68.35	76.60	76.05	75.50	55.10	33.70	17.95
144.5	21.90	41.75	67.15	75.60	74.60	74.15	53.80	32.90	17.95
145.0	21.80	41.05	65.95	74.55	73.35	72.80	52.70	32.25	18.00
145.5	21.75	40.30	64.60	73.45	72.50	71.40	51.40	31.75	18.05
146.0	21.70	39.60	63.35	72.40	71.90	69.85	50.10	31.25	18.10
146.5	21.55	38.90	62.20	71.20	71.10	68.15	48.80	30.70	18.15
147.0	21.35	38.20	61.05	70.15	70.30	66.40	47.55	30.15	18.20
147.5	21.20	37.55	59.80	69.05	69.40	64.65	46.30	29.65	18.25
148.0	21.00	36.80	58.70	67.90	68.40	62.90	45.05	29.10	18.30
148.5	20.85	36.05	57.50	66.75	67.45	61.00	43.85	28.65	18.40
149.0	20.70	35.25	56.30	65.60	66.50	59.20	42.70	28.15	18.45
149.5	20.55	34.45	55.10	64.45	65.45	56.95	41.55	27.65	18.50
150.0	20.40	33.75	53.95	63.30	64.40	54.40	40.45	27.15	18.55
150.5	20.35	32.95	52.85	62.20	63.30	52.20	39.40	26.75	18.65
151.0	20.30	32.25	51.70	61.05	62.30	50.25	38.50	26.30	18.70
151.5	20.25	31.55	50.55	59.95	61.20	48.50	37.60	25.90	18.75
152.0	20.20	30.75	49.40	58.70	60.10	46.85	36.70	25.50	18.80
152.5	20.15	30.05	48.25	57.60	59.10	45.55	35.90	25.15	18.85
153.0	20.15	29.45	47.10	56.45	57.90	44.45	35.20	24.85	18.95
153.5	20.05	28.90	45.95	55.25	56.85	43.20	34.50	24.55	18.95
154.0	20.05	28.35	44.70	54.15	55.70	42.05	33.75	24.25	19.00
154.5	20.00	27.80	43.45	52.95	54.65	40.95	33.05	23.90	19.05
155.0	19.95	27.25	42.25	51.95	53.55	39.85	32.40	23.60	19.05
155.5	19.95	26.70	41.10	50.85	52.50	38.70	31.70	23.30	19.10
156.0	19.95	26.20	40.05	49.75	51.45	37.55	31.05	23.00	19.20
156.5	19.95	25.70	39.05	48.60	50.35	36.50	30.40	22.65	19.25
157.0	19.95	25.20	38.15	47.15	49.25	35.55	29.70	22.35	19.35
157.5	19.95	24.70	37.25	45.65	48.20	34.60	29.05	22.00	19.40
158.0	19.95	24.25	36.35	44.20	47.15	33.70	28.45	21.70	19.45
158.5	20.00	23.80	35.55	42.95	46.05	32.80	27.85	21.40	19.45
159.0	20.05	23.30	34.75	41.70	44.95	31.95	27.30	21.05	19.50
159.5	20.15	22.85	33.95	40.50	43.90	31.00	26.75	20.75	19.50
160.0	20.20	22.45	33.10	39.50	42.80	29.95	26.20	20.45	19.55
160.5	20.25	22.00	32.35	38.55	41.60	28.90	25.70	20.15	19.60
161.0	20.30	21.60	31.45	37.55	40.25	27.85	25.15	19.80	19.65
161.5	20.35	21.40	30.60	36.55	38.95	26.75	24.50	19.50	19.75
162.0	20.40	21.25	29.85	35.50	37.80	25.60	23.90	19.20	19.80
162.5	20.45	21.15	29.15	34.50	36.70	24.65	23.35	19.00	19.85
163.0	20.50	21.20	28.45	33.50	35.60	23.70	22.80	18.90	19.85
163.5	20.50	21.30	27.75	32.55	34.60	22.85	22.30	18.85	19.90
164.0	20.55	21.40	27.10	31.65	33.65	22.05	21.80	18.85	19.95
164.5	20.50	21.55	26.45	30.75	32.60	21.25	21.30	18.75	20.00
165.0	20.50	21.80	25.85	29.85	31.55	20.50	20.85	18.85	20.05
165.5	20.55	22.15	25.25	29.00	30.60	19.80	20.40	19.15	20.10
166.0	20.60	22.30	24.65	28.10	29.60	19.10	20.00	19.40	20.15
166.5	20.60	22.25	24.05	27.15	28.60	18.35	19.60	19.65	20.20

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**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	20.65	22.15	23.50	26.25	27.70	17.65	19.25	19.95	20.25
<b>167.5</b>	20.70	22.00	22.95	25.40	27.00	16.90	18.90	20.25	20.30
<b>168.0</b>	20.70	21.90	22.40	24.65	26.15	16.10	18.50	20.35	20.35
<b>168.5</b>	20.75	21.70	21.90	23.85	25.20	15.45	18.15	20.20	20.40
<b>169.0</b>	20.80	21.60	21.40	23.15	24.30	14.80	17.80	20.10	20.40
<b>169.5</b>	20.80	21.45	21.10	22.50	23.65	14.25	17.55	20.15	20.45
<b>170.0</b>	20.85	21.30	21.10	21.85	23.05	13.80	17.30	20.15	20.50
<b>170.5</b>	20.85	21.20	21.05	21.20	20.95	13.45	17.25	20.20	20.55
<b>171.0</b>	20.85	21.10	21.20	20.50	17.85	13.20	17.25	20.20	20.60
<b>171.5</b>	20.85	20.95	21.65	19.95	16.90	13.00	17.25	20.15	20.60
<b>172.0</b>	20.85	20.90	21.90	19.70	16.35	12.90	17.60	20.10	20.60
<b>172.5</b>	20.85	20.85	22.05	19.60	14.15	13.10	18.05	20.05	20.65
<b>173.0</b>	20.80	20.75	21.80	19.40	11.50	13.30	18.35	20.05	20.60
<b>173.5</b>	20.85	20.75	21.50	19.60	11.05	13.65	18.55	20.00	20.65
<b>174.0</b>	20.80	20.70	21.20	19.95	11.10	14.30	18.45	20.00	20.65
<b>174.5</b>	20.80	20.70	20.95	19.90	11.35	14.80	18.30	20.05	20.65
<b>175.0</b>	20.80	20.70	20.80	19.55	11.45	15.10	18.20	20.10	20.70
<b>175.5</b>	20.85	20.65	20.65	19.15	11.35	15.15	18.15	20.10	20.70
<b>176.0</b>	20.85	20.65	20.55	18.85	11.30	15.25	18.10	20.20	20.75
<b>176.5</b>	20.85	20.60	20.50	18.50	11.25	15.30	18.35	20.25	20.80
<b>177.0</b>	20.90	20.55	20.40	18.20	11.20	15.40	18.60	20.25	20.85
<b>177.5</b>	20.95	20.55	20.30	18.00	11.25	15.60	18.80	20.25	20.85
<b>178.0</b>	20.95	20.50	20.25	17.75	11.30	15.95	19.00	20.25	20.90
<b>178.5</b>	21.00	20.50	20.15	17.55	11.35	16.20	19.25	20.35	20.90
<b>179.0</b>	20.95	20.45	20.00	17.35	11.45	16.40	19.50	20.40	20.90
<b>179.5</b>	20.95	20.45	19.90	17.10	11.45	16.65	19.70	20.40	20.95
<b>180.0</b>	18.30	18.30	18.30	18.30	18.30	18.30	18.30	18.30	18.30



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-2-835-U10-SM-CP.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	845.40	N.A.	10.80
0-30	1816.21	N.A.	23.20
0-40	2989.97	N.A.	38.20
0-60	5318.31	N.A.	67.90
0-80	6899.82	N.A.	88.00
0-90	7251.99	N.A.	92.50
10-90	7036.39	N.A.	89.80
20-40	2144.57	N.A.	27.40
20-50	3350.08	N.A.	42.70
40-70	3265.97	N.A.	41.70
60-80	1581.51	N.A.	20.20
70-80	643.88	N.A.	8.20
80-90	352.17	N.A.	4.50
90-110	293.98	N.A.	3.80
90-120	387.77	N.A.	4.90
90-130	467.84	N.A.	6.00
90-150	559.13	N.A.	7.10
90-180	584.95	N.A.	7.50
110-180	290.96	N.A.	3.70
0-180	7836.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	215.60
10-20	629.80
20-30	970.81
30-40	1173.76
40-50	1205.51
50-60	1122.83
60-70	937.63
70-80	643.88
80-90	352.17
90-100	180.15
100-110	113.83
110-120	93.79
120-130	80.07
130-140	57.07
140-150	34.22
150-160	17.10
160-170	6.94
170-180	1.78

**IES INDOOR REPORT**  
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	106	100	95	91	102	97	93	89	92	88	85	86	83	81	82	79	77	74
2	96	87	79	73	92	84	77	72	79	74	69	75	70	66	71	67	64	61
3	87	76	67	60	84	74	66	59	69	63	57	66	60	55	62	57	53	51
4	79	67	58	51	76	65	56	50	61	54	48	58	52	47	55	50	46	43
5	73	60	50	43	70	58	49	43	55	47	42	52	46	41	50	44	39	37
6	67	53	44	38	65	52	44	37	50	42	36	47	40	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	28
8	58	44	35	30	56	43	35	29	41	34	29	39	33	28	38	32	27	25
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	21

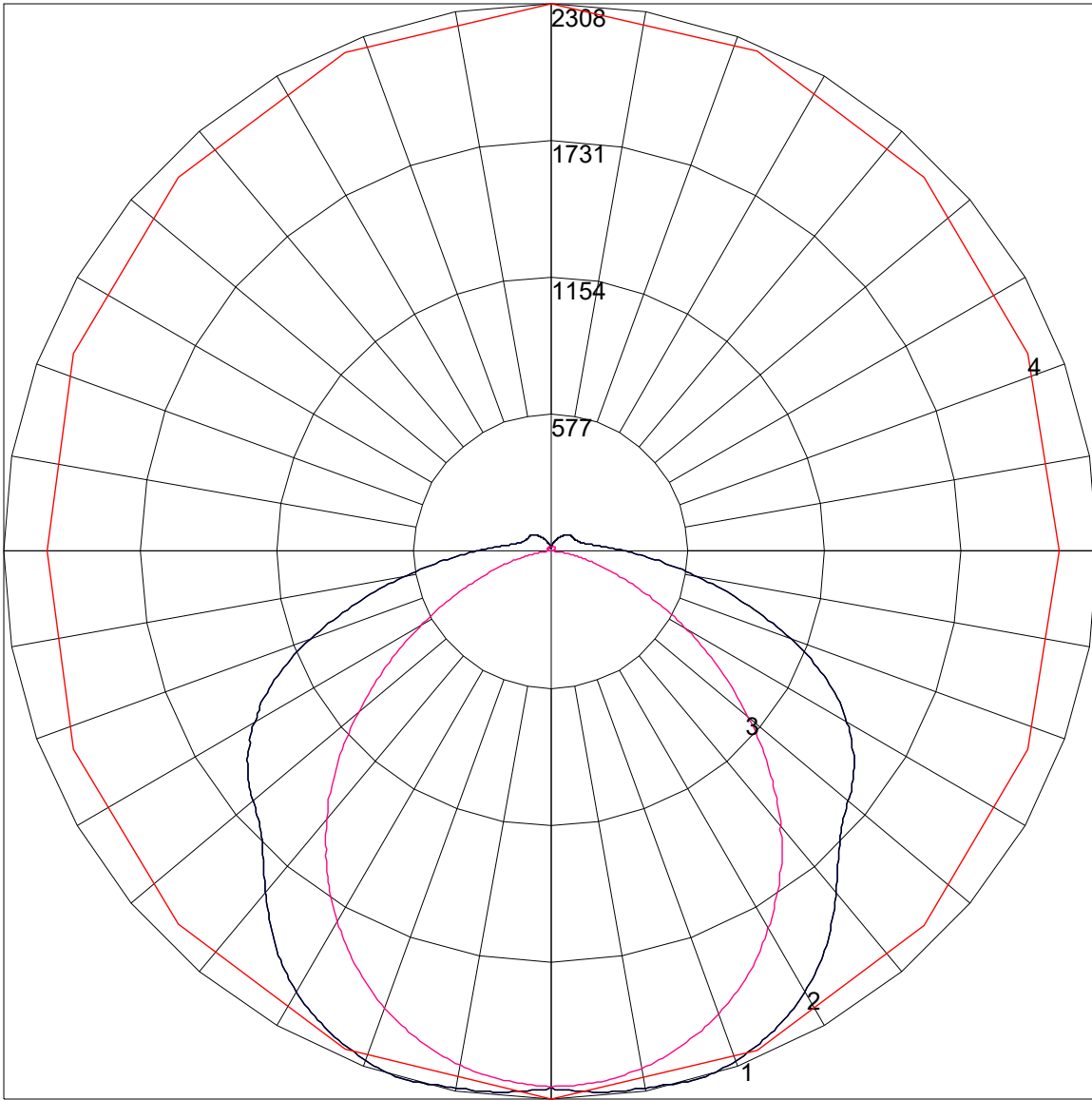
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-2-835-U10-SM-CP.IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	22.0	23.5	22.5	24.0	24.5	26.4	27.9	26.9	28.4	28.9
	3H	23.0	24.3	23.5	24.8	25.4	28.9	30.3	29.4	30.8	31.3
	4H	23.2	24.5	23.7	25.0	25.6	29.9	31.2	30.4	31.7	32.3
	6H	23.3	24.5	23.8	25.0	25.6	30.8	32.0	31.4	32.5	33.1
	8H	23.3	24.5	23.9	25.0	25.6	31.2	32.4	31.8	32.9	33.5
	12H	23.3	24.4	23.9	24.9	25.6	31.6	32.7	32.2	33.3	33.9
4H	2H	23.5	24.8	24.1	25.3	25.9	26.8	28.1	27.3	28.6	29.2
	3H	24.8	25.9	25.3	26.4	27.0	29.5	30.6	30.0	31.2	31.7
	4H	25.1	26.1	25.6	26.6	27.2	30.7	31.7	31.3	32.3	32.9
	6H	25.2	26.1	25.8	26.7	27.3	31.8	32.7	32.4	33.3	33.9
	8H	25.3	26.1	25.8	26.7	27.3	32.3	33.1	32.9	33.7	34.3
	12H	25.3	26.0	25.9	26.6	27.3	32.8	33.5	33.4	34.1	34.8
8H	4H	26.2	27.0	26.8	27.6	28.3	30.9	31.7	31.5	32.3	32.9
	6H	26.6	27.3	27.2	27.9	28.5	32.1	32.8	32.7	33.5	34.1
	8H	26.7	27.3	27.3	27.9	28.6	32.7	33.4	33.4	34.0	34.7
	12H	26.7	27.3	27.3	27.9	28.6	33.4	34.0	34.0	34.6	35.3
12H	4H	26.5	27.2	27.1	27.8	28.5	30.9	31.6	31.5	32.2	32.9
	6H	27.0	27.6	27.6	28.2	28.9	32.2	32.8	32.8	33.4	34.1
	8H	27.2	27.7	27.8	28.4	29.1	32.8	33.4	33.5	34.0	34.7

Maximum UGR = 35.3

POLAR GRAPH



Maximum Candela = 2308 Located At Horizontal Angle = 90, Vertical Angle = 15.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 3 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 4 - Horizontal Cone Through Vertical Angle (15.5) (Through Max. Cd.)