



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 2DS-P15-835-POE-LW-OF-WH\_.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] GEN FROM 13257153.14  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 06/19/2020  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] 2DS-P15-835-POE-LW-OF-WH  
 [LUMINAIRE] Aluminum housing, optics, and trim enclosure  
 [LAMP] One white LED

**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 1602            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 109             |
| Total Luminaire Watts           | 14.7            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 0.88            |
| Spacing Criterion (90-270)      | 0.86            |
| Spacing Criterion (Diagonal)    | 0.84            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 0.21 ft         |
| Luminous Width (90-270)         | 0.21 ft         |
| Luminous Height                 | 0.00 ft         |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 38351            | 47209             | 39019             |
| 55                  | 31028            | 33585             | 31548             |
| 65                  | 27114            | 27525             | 27408             |
| 75                  | 21320            | 20936             | 22089             |
| 85                  | 12834            | 11123             | 13689             |

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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> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0  | 1852.0     | 1852.0      | 1852.0      | 1852.0      | 1852.0      |
| 0.5  | 1890.0     | 1861.0      | 1845.0      | 1839.0      | 1838.0      |
| 1.0  | 1889.0     | 1861.0      | 1845.0      | 1839.0      | 1838.0      |
| 1.5  | 1888.0     | 1860.0      | 1845.0      | 1839.0      | 1837.0      |
| 2.0  | 1887.0     | 1859.0      | 1844.0      | 1838.0      | 1837.0      |
| 2.5  | 1885.0     | 1858.0      | 1842.0      | 1837.0      | 1835.0      |
| 3.0  | 1884.0     | 1855.0      | 1840.0      | 1835.0      | 1834.0      |
| 3.5  | 1881.0     | 1853.0      | 1837.0      | 1832.0      | 1831.0      |
| 4.0  | 1877.0     | 1850.0      | 1835.0      | 1830.0      | 1828.0      |
| 4.5  | 1873.0     | 1847.0      | 1831.0      | 1826.0      | 1825.0      |
| 5.0  | 1869.0     | 1842.0      | 1827.0      | 1822.0      | 1820.0      |
| 5.5  | 1864.0     | 1838.0      | 1823.0      | 1817.0      | 1817.0      |
| 6.0  | 1859.0     | 1833.0      | 1818.0      | 1812.0      | 1813.0      |
| 6.5  | 1853.0     | 1827.0      | 1812.0      | 1808.0      | 1809.0      |
| 7.0  | 1848.0     | 1821.0      | 1807.0      | 1803.0      | 1804.0      |
| 7.5  | 1842.0     | 1815.0      | 1802.0      | 1798.0      | 1800.0      |
| 8.0  | 1836.0     | 1809.0      | 1797.0      | 1793.0      | 1794.0      |
| 8.5  | 1830.0     | 1803.0      | 1791.0      | 1787.0      | 1788.0      |
| 9.0  | 1822.0     | 1796.0      | 1785.0      | 1781.0      | 1782.0      |
| 9.5  | 1816.0     | 1789.0      | 1778.0      | 1775.0      | 1775.0      |
| 10.0 | 1807.0     | 1781.0      | 1771.0      | 1768.0      | 1767.0      |
| 10.5 | 1799.0     | 1773.0      | 1763.0      | 1760.0      | 1759.0      |
| 11.0 | 1790.0     | 1764.0      | 1755.0      | 1752.0      | 1750.0      |
| 11.5 | 1779.0     | 1755.0      | 1746.0      | 1744.0      | 1742.0      |
| 12.0 | 1769.0     | 1745.0      | 1737.0      | 1734.0      | 1732.0      |
| 12.5 | 1758.0     | 1735.0      | 1727.0      | 1725.0      | 1722.0      |
| 13.0 | 1746.0     | 1724.0      | 1717.0      | 1715.0      | 1710.0      |
| 13.5 | 1734.0     | 1712.0      | 1706.0      | 1703.0      | 1699.0      |
| 14.0 | 1720.0     | 1698.0      | 1694.0      | 1691.0      | 1686.0      |
| 14.5 | 1706.0     | 1685.0      | 1681.0      | 1677.0      | 1671.0      |
| 15.0 | 1690.0     | 1670.0      | 1667.0      | 1663.0      | 1657.0      |
| 15.5 | 1674.0     | 1655.0      | 1652.0      | 1648.0      | 1641.0      |
| 16.0 | 1657.0     | 1638.0      | 1635.0      | 1631.0      | 1624.0      |
| 16.5 | 1638.0     | 1621.0      | 1618.0      | 1614.0      | 1605.0      |
| 17.0 | 1619.0     | 1602.0      | 1601.0      | 1596.0      | 1586.0      |
| 17.5 | 1599.0     | 1583.0      | 1582.0      | 1576.0      | 1565.0      |
| 18.0 | 1577.0     | 1562.0      | 1563.0      | 1556.0      | 1542.0      |
| 18.5 | 1553.0     | 1540.0      | 1542.0      | 1534.0      | 1518.0      |
| 19.0 | 1528.0     | 1517.0      | 1521.0      | 1511.0      | 1492.0      |
| 19.5 | 1500.0     | 1493.0      | 1499.0      | 1486.0      | 1464.0      |
| 20.0 | 1471.0     | 1467.0      | 1475.0      | 1461.0      | 1434.0      |
| 20.5 | 1440.0     | 1440.0      | 1450.0      | 1433.0      | 1402.0      |
| 21.0 | 1405.0     | 1411.0      | 1424.0      | 1403.0      | 1368.0      |
| 21.5 | 1369.0     | 1379.0      | 1397.0      | 1372.0      | 1332.0      |
| 22.0 | 1331.0     | 1346.0      | 1369.0      | 1339.0      | 1294.0      |
| 22.5 | 1290.0     | 1312.0      | 1339.0      | 1305.0      | 1255.0      |
| 23.0 | 1248.0     | 1275.0      | 1309.0      | 1269.0      | 1214.0      |
| 23.5 | 1204.0     | 1237.0      | 1277.0      | 1232.0      | 1171.0      |
| 24.0 | 1158.0     | 1197.0      | 1245.0      | 1193.0      | 1128.0      |
| 24.5 | 1112.0     | 1157.0      | 1211.0      | 1153.0      | 1083.0      |
| 25.0 | 1065.0     | 1114.0      | 1176.0      | 1111.0      | 1038.0      |
| 25.5 | 1017.0     | 1071.0      | 1139.0      | 1068.0      | 991.9       |
| 26.0 | 967.5      | 1026.0      | 1102.0      | 1024.0      | 945.6       |
| 26.5 | 917.3      | 981.3       | 1063.0      | 980.0       | 898.4       |

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**CANDELA TABULATION - (Cont.)**

|      |       |       |        |       |       |
|------|-------|-------|--------|-------|-------|
| 27.0 | 867.0 | 935.6 | 1024.0 | 935.7 | 851.6 |
| 27.5 | 817.3 | 889.6 | 984.0  | 890.7 | 807.4 |
| 28.0 | 770.0 | 843.8 | 943.3  | 845.9 | 760.8 |
| 28.5 | 721.4 | 798.4 | 901.9  | 802.8 | 715.3 |
| 29.0 | 676.0 | 754.1 | 860.6  | 759.9 | 672.6 |
| 29.5 | 629.6 | 710.3 | 819.1  | 717.3 | 629.2 |
| 30.0 | 585.0 | 667.6 | 778.3  | 675.8 | 587.5 |
| 30.5 | 542.5 | 625.3 | 738.9  | 635.4 | 547.3 |
| 31.0 | 502.4 | 584.3 | 698.3  | 595.6 | 508.9 |
| 31.5 | 464.2 | 545.0 | 658.9  | 557.3 | 473.0 |
| 32.0 | 429.1 | 507.8 | 620.3  | 520.9 | 438.9 |
| 32.5 | 396.8 | 472.7 | 582.9  | 486.4 | 407.4 |
| 33.0 | 366.3 | 439.5 | 547.0  | 453.8 | 378.3 |
| 33.5 | 338.4 | 408.4 | 512.2  | 423.0 | 350.9 |
| 34.0 | 313.5 | 379.4 | 479.4  | 394.4 | 326.1 |
| 34.5 | 290.2 | 352.4 | 448.2  | 367.5 | 303.0 |
| 35.0 | 269.3 | 327.7 | 419.0  | 342.6 | 282.3 |
| 35.5 | 250.7 | 305.0 | 391.6  | 319.6 | 263.4 |
| 36.0 | 233.8 | 284.2 | 365.7  | 298.5 | 246.3 |
| 36.5 | 218.7 | 265.4 | 341.7  | 278.9 | 230.8 |
| 37.0 | 205.3 | 248.1 | 319.4  | 260.9 | 216.8 |
| 37.5 | 193.2 | 232.4 | 298.6  | 244.4 | 204.1 |
| 38.0 | 182.5 | 218.2 | 279.3  | 229.6 | 192.7 |
| 38.5 | 172.9 | 205.5 | 261.7  | 216.0 | 182.4 |
| 39.0 | 164.5 | 193.9 | 245.5  | 203.8 | 173.2 |
| 39.5 | 156.8 | 183.6 | 230.8  | 192.7 | 164.9 |
| 40.0 | 150.1 | 174.2 | 217.3  | 182.7 | 157.4 |
| 40.5 | 144.1 | 165.7 | 204.9  | 173.7 | 150.6 |
| 41.0 | 138.5 | 158.2 | 193.8  | 165.6 | 144.3 |
| 41.5 | 133.6 | 151.4 | 183.7  | 158.4 | 138.7 |
| 42.0 | 129.1 | 145.4 | 174.5  | 151.8 | 133.6 |
| 42.5 | 125.1 | 139.9 | 166.0  | 145.7 | 129.0 |
| 43.0 | 121.3 | 134.9 | 158.5  | 140.3 | 124.7 |
| 43.5 | 117.9 | 130.5 | 151.5  | 135.2 | 120.8 |
| 44.0 | 114.8 | 126.4 | 145.2  | 130.6 | 117.1 |
| 44.5 | 111.9 | 122.7 | 139.5  | 126.4 | 114.0 |
| 45.0 | 109.1 | 119.2 | 134.3  | 122.5 | 111.0 |
| 45.5 | 106.5 | 116.1 | 129.5  | 118.9 | 108.0 |
| 46.0 | 104.0 | 113.0 | 125.1  | 115.5 | 105.3 |
| 46.5 | 101.6 | 110.1 | 120.9  | 112.3 | 102.7 |
| 47.0 | 99.3  | 107.3 | 117.1  | 109.4 | 100.3 |
| 47.5 | 97.0  | 104.7 | 113.5  | 106.5 | 98.0  |
| 48.0 | 94.9  | 102.2 | 110.3  | 103.8 | 95.9  |
| 48.5 | 92.9  | 99.9  | 107.1  | 101.3 | 93.7  |
| 49.0 | 90.9  | 97.6  | 104.2  | 98.8  | 91.7  |
| 49.5 | 88.9  | 95.4  | 101.3  | 96.5  | 89.7  |
| 50.0 | 87.1  | 93.3  | 98.7   | 94.3  | 88.0  |
| 50.5 | 85.3  | 91.3  | 96.1   | 92.3  | 86.3  |
| 51.0 | 83.6  | 89.3  | 93.7   | 90.3  | 84.7  |
| 51.5 | 82.0  | 87.4  | 91.4   | 88.4  | 83.1  |
| 52.0 | 80.3  | 85.6  | 89.1   | 86.6  | 81.4  |
| 52.5 | 78.7  | 83.8  | 87.0   | 84.9  | 79.9  |
| 53.0 | 77.2  | 82.2  | 85.0   | 83.2  | 78.4  |
| 53.5 | 75.7  | 80.4  | 83.0   | 81.5  | 77.0  |
| 54.0 | 74.3  | 78.9  | 81.1   | 79.9  | 75.6  |
| 54.5 | 72.9  | 77.2  | 79.2   | 78.4  | 74.1  |

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**CANDELA TABULATION - (Cont.)**

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 55.0 | 71.6 | 75.7 | 77.5 | 76.8 | 72.8 |
| 55.5 | 70.2 | 74.1 | 75.7 | 75.3 | 71.5 |
| 56.0 | 68.9 | 72.6 | 74.0 | 73.8 | 70.2 |
| 56.5 | 67.7 | 71.2 | 72.3 | 72.2 | 69.0 |
| 57.0 | 66.5 | 69.8 | 70.6 | 70.8 | 67.6 |
| 57.5 | 65.3 | 68.4 | 69.0 | 69.3 | 66.4 |
| 58.0 | 64.1 | 67.0 | 67.5 | 67.9 | 65.2 |
| 58.5 | 62.9 | 65.5 | 65.9 | 66.5 | 63.9 |
| 59.0 | 61.8 | 64.1 | 64.3 | 65.1 | 62.7 |
| 59.5 | 60.7 | 62.8 | 62.8 | 63.6 | 61.3 |
| 60.0 | 59.4 | 61.4 | 61.3 | 62.2 | 60.0 |
| 60.5 | 58.2 | 60.1 | 59.9 | 60.8 | 58.7 |
| 61.0 | 57.0 | 58.8 | 58.4 | 59.4 | 57.3 |
| 61.5 | 55.7 | 57.4 | 56.9 | 57.9 | 55.9 |
| 62.0 | 54.4 | 56.1 | 55.5 | 56.5 | 54.6 |
| 62.5 | 53.0 | 54.8 | 54.0 | 55.0 | 53.2 |
| 63.0 | 51.6 | 53.4 | 52.6 | 53.6 | 51.9 |
| 63.5 | 50.2 | 52.0 | 51.2 | 52.1 | 50.5 |
| 64.0 | 48.8 | 50.6 | 49.7 | 50.7 | 49.2 |
| 64.5 | 47.4 | 49.3 | 48.3 | 49.3 | 47.9 |
| 65.0 | 46.1 | 47.8 | 46.8 | 47.9 | 46.6 |
| 65.5 | 44.7 | 46.4 | 45.4 | 46.6 | 45.4 |
| 66.0 | 43.5 | 45.1 | 44.0 | 45.2 | 44.2 |
| 66.5 | 42.2 | 43.7 | 42.6 | 43.9 | 42.9 |
| 67.0 | 41.0 | 42.3 | 41.3 | 42.6 | 41.7 |
| 67.5 | 39.8 | 40.9 | 39.9 | 41.2 | 40.4 |
| 68.0 | 38.5 | 39.6 | 38.6 | 39.9 | 39.2 |
| 68.5 | 37.3 | 38.3 | 37.3 | 38.7 | 38.0 |
| 69.0 | 36.1 | 37.0 | 36.0 | 37.4 | 36.8 |
| 69.5 | 34.9 | 35.7 | 34.8 | 36.1 | 35.6 |
| 70.0 | 33.7 | 34.4 | 33.5 | 34.8 | 34.4 |
| 70.5 | 32.5 | 33.1 | 32.3 | 33.5 | 33.2 |
| 71.0 | 31.3 | 31.9 | 31.0 | 32.3 | 32.0 |
| 71.5 | 30.1 | 30.6 | 29.8 | 31.0 | 30.9 |
| 72.0 | 28.9 | 29.4 | 28.7 | 29.8 | 29.7 |
| 72.5 | 27.8 | 28.2 | 27.5 | 28.6 | 28.6 |
| 73.0 | 26.6 | 27.1 | 26.3 | 27.4 | 27.4 |
| 73.5 | 25.5 | 25.9 | 25.2 | 26.2 | 26.3 |
| 74.0 | 24.4 | 24.7 | 24.0 | 25.0 | 25.2 |
| 74.5 | 23.3 | 23.6 | 22.9 | 23.9 | 24.1 |
| 75.0 | 22.2 | 22.5 | 21.8 | 22.8 | 23.0 |
| 75.5 | 21.1 | 21.4 | 20.7 | 21.7 | 22.0 |
| 76.0 | 20.1 | 20.3 | 19.7 | 20.6 | 20.9 |
| 76.5 | 19.1 | 19.3 | 18.7 | 19.5 | 19.9 |
| 77.0 | 18.1 | 18.2 | 17.6 | 18.5 | 18.9 |
| 77.5 | 17.1 | 17.2 | 16.6 | 17.4 | 17.8 |
| 78.0 | 16.1 | 16.2 | 15.6 | 16.4 | 16.8 |
| 78.5 | 15.2 | 15.2 | 14.7 | 15.4 | 15.9 |
| 79.0 | 14.2 | 14.2 | 13.7 | 14.4 | 14.9 |
| 79.5 | 13.3 | 13.3 | 12.8 | 13.5 | 14.0 |
| 80.0 | 12.4 | 12.4 | 11.9 | 12.5 | 13.0 |
| 80.5 | 11.5 | 11.4 | 11.0 | 11.6 | 12.1 |
| 81.0 | 10.7 | 10.6 | 10.1 | 10.7 | 11.2 |
| 81.5 | 9.8  | 9.7  | 9.2  | 9.8  | 10.4 |
| 82.0 | 9.0  | 8.8  | 8.4  | 9.0  | 9.5  |
| 82.5 | 8.2  | 8.0  | 7.6  | 8.1  | 8.7  |

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**CANDELA TABULATION - (Cont.)**

|       |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|
| 83.0  | 7.4 | 7.2 | 6.8 | 7.3 | 7.9 |
| 83.5  | 6.6 | 6.4 | 6.0 | 6.5 | 7.1 |
| 84.0  | 5.9 | 5.7 | 5.3 | 5.8 | 6.3 |
| 84.5  | 5.2 | 5.0 | 4.6 | 5.0 | 5.6 |
| 85.0  | 4.5 | 4.2 | 3.9 | 4.3 | 4.8 |
| 85.5  | 3.8 | 3.5 | 3.2 | 3.5 | 4.1 |
| 86.0  | 3.1 | 2.9 | 2.6 | 2.8 | 3.3 |
| 86.5  | 2.3 | 2.2 | 1.9 | 2.1 | 2.4 |
| 87.0  | 1.2 | 1.4 | 1.3 | 1.3 | 1.3 |
| 87.5  | 0.7 | 0.9 | 0.9 | 0.7 | 0.7 |
| 88.0  | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 |
| 88.5  | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 89.0  | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 89.5  | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |
| 90.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99.5  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 103.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 103.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 104.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 104.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 106.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 106.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 108.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 108.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 109.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 109.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA TABULATION - (Cont.)

|       |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|
| 111.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 111.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 113.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 113.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 114.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 114.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 119.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 119.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 121.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 121.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 123.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 123.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 124.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 124.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 126.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 126.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 128.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 128.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 129.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 129.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 131.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 131.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 133.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 133.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 134.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 134.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 136.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 136.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 138.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 2DS-P15-835-POE-LW-OF-WH\_.IES

CANDELA TABULATION - (Cont.)

|       |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|
| 139.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 139.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 141.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 141.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 143.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 143.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 144.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 144.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 146.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 146.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 148.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 148.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 149.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 149.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 151.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 151.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 153.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 153.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 154.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 154.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 156.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 156.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 158.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 158.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 159.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 159.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 161.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 161.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 163.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 163.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 164.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 164.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 166.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 166.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 2DS-P15-835-POE-LW-OF-WH\_.IES

CANDELA TABULATION - (Cont.)

|       |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|
| 167.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 168.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 168.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 169.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 169.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 171.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 171.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 173.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 173.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 174.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 174.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 176.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 176.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 178.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 178.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 179.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 179.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 2DS-P15-835-POE-LW-OF-WH\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 636.86  | N.A.  | 39.80  |
| 0-30    | 1133.28 | N.A.  | 70.80  |
| 0-40    | 1360.47 | N.A.  | 84.90  |
| 0-60    | 1525.6  | N.A.  | 95.30  |
| 0-80    | 1596.43 | N.A.  | 99.70  |
| 0-90    | 1601.62 | N.A.  | 100.00 |
| 10-90   | 1428.4  | N.A.  | 89.20  |
| 20-40   | 723.62  | N.A.  | 45.20  |
| 20-50   | 820.75  | N.A.  | 51.20  |
| 40-70   | 212.01  | N.A.  | 13.20  |
| 60-80   | 70.82   | N.A.  | 4.40   |
| 70-80   | 23.94   | N.A.  | 1.50   |
| 80-90   | 5.20    | N.A.  | 0.30   |
| 90-110  | 0.00    | N.A.  | 0.00   |
| 90-120  | 0.00    | N.A.  | 0.00   |
| 90-130  | 0.00    | N.A.  | 0.00   |
| 90-150  | 0.00    | N.A.  | 0.00   |
| 90-180  | 0.00    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 1601.62 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 173.22 |
| 10-20   | 463.64 |
| 20-30   | 496.42 |
| 30-40   | 227.20 |
| 40-50   | 97.13  |
| 50-60   | 67.99  |
| 60-70   | 46.88  |
| 70-80   | 23.94  |
| 80-90   | 5.20   |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 2DS-P15-835-POE-LW-OF-WH\_.IES**

**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  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 103 | 102 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |
| 2  | 107 | 101 | 97  | 93  | 104 | 100 | 96  | 92  | 96  | 93  | 90  | 93  | 91  | 88  | 91  | 88  | 86  | 85  |
| 3  | 101 | 94  | 89  | 84  | 99  | 93  | 88  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 78  |
| 4  | 96  | 87  | 82  | 77  | 94  | 86  | 81  | 77  | 84  | 79  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |
| 5  | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 67  |
| 6  | 86  | 77  | 70  | 66  | 84  | 76  | 70  | 66  | 74  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 64  | 63  |
| 7  | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 60  | 59  |
| 8  | 78  | 68  | 62  | 58  | 77  | 67  | 62  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 64  | 60  | 57  | 55  |
| 9  | 74  | 64  | 58  | 54  | 73  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 54  | 52  |
| 10 | 71  | 61  | 55  | 51  | 70  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 58  | 54  | 51  | 49  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 2DS-P15-835-POE-LW-OF-WH\_.IES**

**UGR TABLE - CORRECTED**

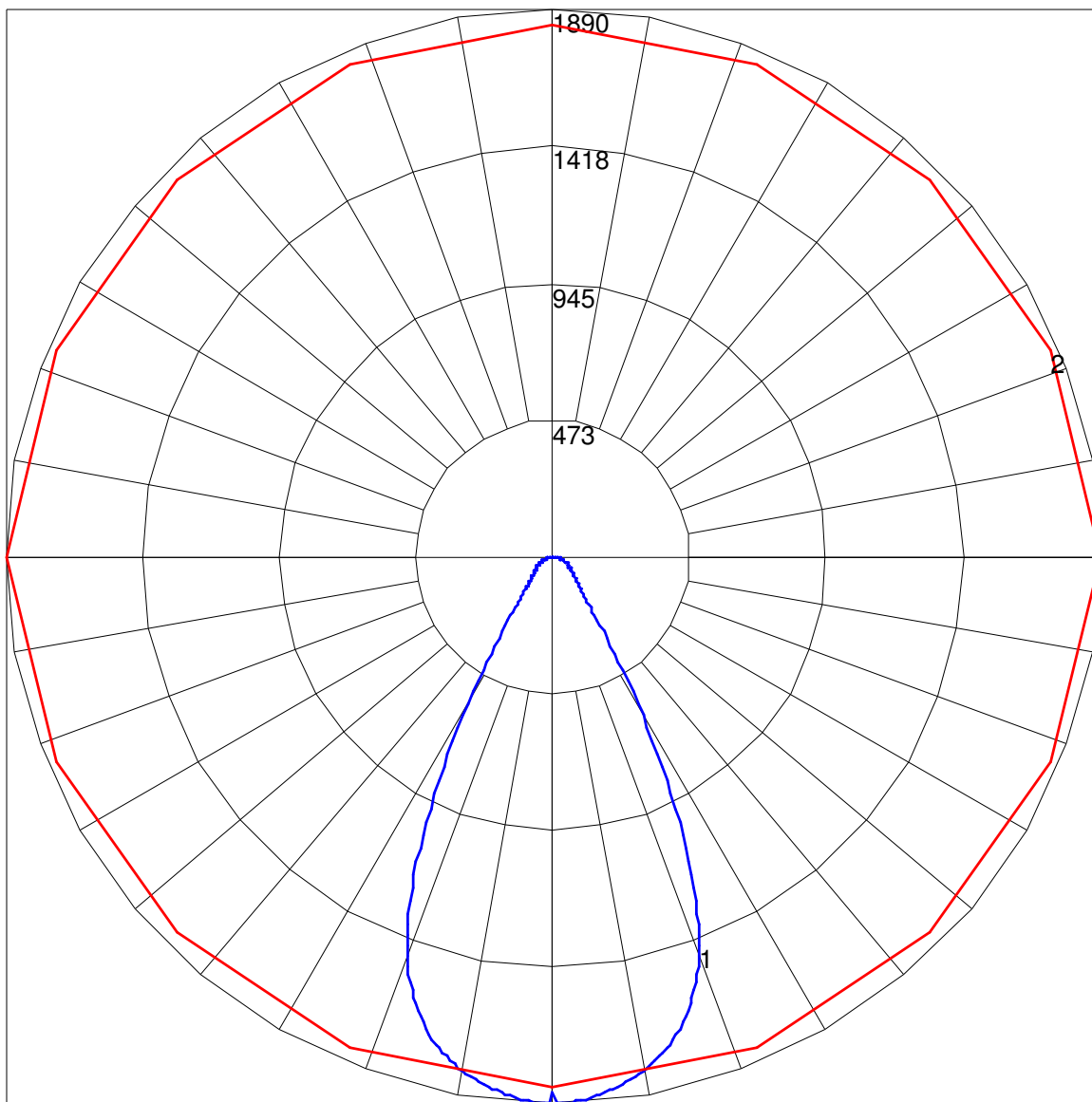
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 20.1                 | 21.2 | 20.5 | 21.5 | 21.9 | 20.2               | 21.3 | 20.6 | 21.6 | 22.0 |
|           | 3H   | 21.6                 | 22.6 | 22.0 | 22.9 | 23.3 | 21.7               | 22.7 | 22.1 | 23.0 | 23.4 |
|           | 4H   | 22.1                 | 23.0 | 22.5 | 23.3 | 23.7 | 22.2               | 23.1 | 22.6 | 23.4 | 23.8 |
|           | 6H   | 22.4                 | 23.2 | 22.8 | 23.6 | 24.0 | 22.5               | 23.3 | 22.9 | 23.7 | 24.1 |
|           | 8H   | 22.4                 | 23.2 | 22.9 | 23.6 | 24.0 | 22.6               | 23.4 | 23.0 | 23.7 | 24.2 |
|           | 12H  | 22.5                 | 23.2 | 22.9 | 23.6 | 24.0 | 22.6               | 23.3 | 23.0 | 23.7 | 24.2 |
| 4H        | 2H   | 20.6                 | 21.5 | 21.0 | 21.8 | 22.2 | 20.6               | 21.6 | 21.1 | 21.9 | 22.3 |
|           | 3H   | 22.2                 | 23.0 | 22.7 | 23.4 | 23.8 | 22.3               | 23.1 | 22.7 | 23.5 | 23.9 |
|           | 4H   | 22.8                 | 23.5 | 23.3 | 23.9 | 24.3 | 22.9               | 23.6 | 23.4 | 24.0 | 24.4 |
|           | 6H   | 23.2                 | 23.8 | 23.7 | 24.2 | 24.7 | 23.3               | 23.9 | 23.8 | 24.3 | 24.8 |
|           | 8H   | 23.3                 | 23.8 | 23.8 | 24.3 | 24.8 | 23.4               | 24.0 | 23.9 | 24.4 | 24.9 |
|           | 12H  | 23.4                 | 23.8 | 23.8 | 24.3 | 24.8 | 23.5               | 23.9 | 24.0 | 24.4 | 24.9 |
| 8H        | 4H   | 23.0                 | 23.5 | 23.4 | 23.9 | 24.4 | 23.0               | 23.6 | 23.5 | 24.0 | 24.5 |
|           | 6H   | 23.5                 | 23.9 | 24.0 | 24.4 | 24.9 | 23.6               | 24.0 | 24.1 | 24.5 | 25.0 |
|           | 8H   | 23.6                 | 24.0 | 24.2 | 24.5 | 25.0 | 23.7               | 24.1 | 24.3 | 24.6 | 25.1 |
|           | 12H  | 23.7                 | 24.0 | 24.2 | 24.5 | 25.1 | 23.8               | 24.1 | 24.3 | 24.6 | 25.2 |
| 12H       | 4H   | 22.9                 | 23.4 | 23.4 | 23.9 | 24.4 | 23.0               | 23.5 | 23.5 | 24.0 | 24.5 |
|           | 6H   | 23.5                 | 23.8 | 24.0 | 24.3 | 24.9 | 23.6               | 23.9 | 24.1 | 24.4 | 25.0 |
|           | 8H   | 23.6                 | 24.0 | 24.2 | 24.5 | 25.1 | 23.8               | 24.1 | 24.3 | 24.6 | 25.2 |

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 1890 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)