



IES ROAD REPORT

PHOTOMETRIC FILENAME : WLM-LED-05L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 1196848

[TESTLAB] UL Verification Services Inc.

[TESTDATE] 1/29/2016

[ISSUEDATE] 1/7/2019

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] WLM-LED-05L-30

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER] SCALED FROM ORIGINAL TEST DATA

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

| | |
|---|--------------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 5025 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 116 |
| Total Luminaire Watts | 43.19 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 1834.687 |
| Maximum Candela Angle | 175H 2.5V |
| Maximum Candela (<90 Degrees Vertical) | 1834.687 |
| Maximum Candela Angle (<90 Degrees Vertical) | 175H 2.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 88.238 (1.8% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 718.8 | N.A. | 14.3 |
| FM - Front-Medium (30-60) | 1342.9 | N.A. | 26.7 |
| FH - Front-High (60-80) | 383.9 | N.A. | 7.6 |
| FVH - Front-Very High (80-90) | 7.0 | N.A. | 0.1 |
| BL - Back-Low (0-30) | 724.6 | N.A. | 14.4 |
| BM - Back-Medium (30-60) | 1416.3 | N.A. | 28.2 |
| BH - Back-High (60-80) | 422.5 | N.A. | 8.4 |
| BVH - Back-Very High (80-90) | 9.5 | N.A. | 0.2 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 5025.5 | N.A. | 100.0 |
| BUG Rating | B2-U0-G0 | | |

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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | <u>0.0</u> | <u>5.0</u> | <u>15.0</u> | <u>25.0</u> | <u>35.0</u> | <u>45.0</u> | <u>55.0</u> | <u>60.0</u> | <u>62.5</u> | <u>65.0</u> |
| 0.0 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 |
| 2.5 | 1834.299 | 1831.490 | 1830.909 | 1830.038 | 1828.004 | 1824.420 | 1821.514 | 1819.383 | 1817.737 | 1816.962 |
| 5.0 | 1830.425 | 1825.291 | 1824.613 | 1824.517 | 1821.901 | 1818.608 | 1815.703 | 1813.378 | 1812.313 | 1811.053 |
| 7.5 | 1822.095 | 1817.640 | 1816.768 | 1816.090 | 1813.669 | 1810.666 | 1807.373 | 1805.242 | 1804.176 | 1803.208 |
| 10.0 | 1813.572 | 1807.470 | 1806.114 | 1804.951 | 1802.433 | 1799.624 | 1796.525 | 1794.684 | 1793.135 | 1793.038 |
| 12.5 | 1802.627 | 1794.394 | 1792.941 | 1792.069 | 1789.841 | 1787.614 | 1784.127 | 1782.093 | 1780.930 | 1780.156 |
| 15.0 | 1786.161 | 1776.669 | 1775.410 | 1774.828 | 1772.794 | 1770.760 | 1767.467 | 1765.433 | 1763.980 | 1763.109 |
| 17.5 | 1763.787 | 1752.842 | 1751.776 | 1752.164 | 1751.292 | 1748.870 | 1746.255 | 1744.124 | 1742.672 | 1741.509 |
| 20.0 | 1738.991 | 1725.915 | 1724.559 | 1725.915 | 1725.624 | 1723.494 | 1720.394 | 1718.457 | 1717.198 | 1715.454 |
| 22.5 | 1710.127 | 1695.792 | 1694.339 | 1695.792 | 1695.405 | 1693.758 | 1691.143 | 1689.690 | 1687.656 | 1686.591 |
| 25.0 | 1679.423 | 1662.570 | 1661.601 | 1662.667 | 1662.279 | 1661.020 | 1658.405 | 1657.824 | 1655.887 | 1654.337 |
| 27.5 | 1641.939 | 1626.635 | 1625.764 | 1627.410 | 1626.248 | 1625.376 | 1622.955 | 1622.858 | 1621.308 | 1620.340 |
| 30.0 | 1601.743 | 1587.214 | 1587.020 | 1588.377 | 1586.730 | 1586.924 | 1584.599 | 1584.405 | 1583.824 | 1582.952 |
| 32.5 | 1559.997 | 1543.628 | 1543.725 | 1545.178 | 1544.112 | 1543.822 | 1541.497 | 1541.788 | 1541.594 | 1541.110 |
| 35.0 | 1505.563 | 1485.610 | 1490.840 | 1497.039 | 1496.458 | 1497.039 | 1494.618 | 1494.908 | 1495.296 | 1494.908 |
| 37.5 | 1433.694 | 1412.676 | 1420.715 | 1435.050 | 1443.089 | 1444.445 | 1442.702 | 1442.799 | 1442.799 | 1442.314 |
| 40.0 | 1349.331 | 1328.990 | 1340.129 | 1359.113 | 1379.163 | 1387.396 | 1386.137 | 1385.652 | 1386.137 | 1385.943 |
| 42.5 | 1262.061 | 1242.884 | 1255.572 | 1276.203 | 1305.357 | 1328.022 | 1327.828 | 1328.119 | 1328.119 | 1327.731 |
| 45.0 | 1177.117 | 1155.033 | 1168.206 | 1189.805 | 1223.996 | 1257.800 | 1267.389 | 1267.195 | 1267.486 | 1266.323 |
| 47.5 | 1090.429 | 1067.377 | 1079.581 | 1101.374 | 1135.565 | 1177.407 | 1201.525 | 1201.525 | 1200.750 | 1200.750 |
| 50.0 | 1004.806 | 983.401 | 993.861 | 1011.683 | 1044.712 | 1087.717 | 1127.913 | 1131.787 | 1132.175 | 1130.916 |
| 52.5 | 928.095 | 909.595 | 913.566 | 924.801 | 951.631 | 993.280 | 1044.324 | 1054.979 | 1054.882 | 1052.073 |
| 55.0 | 860.197 | 840.632 | 842.472 | 847.121 | 862.134 | 895.550 | 946.982 | 964.223 | 968.678 | 965.288 |
| 57.5 | 792.590 | 770.700 | 770.797 | 775.543 | 779.708 | 798.789 | 838.695 | 859.713 | 869.883 | 871.820 |
| 60.0 | 718.881 | 699.897 | 699.994 | 704.546 | 705.321 | 704.643 | 729.342 | 751.038 | 765.082 | 774.574 |
| 62.5 | 643.622 | 623.766 | 625.510 | 629.868 | 629.578 | 615.921 | 623.766 | 644.785 | 659.991 | 674.326 |
| 65.0 | 561.777 | 543.471 | 544.633 | 547.830 | 546.280 | 528.167 | 529.233 | 547.055 | 561.680 | 575.047 |
| 67.5 | 481.385 | 462.110 | 463.466 | 466.178 | 456.396 | 447.388 | 449.519 | 453.780 | 463.563 | 474.121 |
| 70.0 | 397.215 | 376.197 | 380.652 | 382.202 | 369.417 | 368.351 | 369.514 | 364.574 | 366.995 | 369.611 |
| 72.5 | 263.745 | 251.444 | 265.488 | 283.407 | 289.412 | 287.669 | 282.148 | 279.436 | 279.920 | 280.404 |
| 75.0 | 189.551 | 168.727 | 177.638 | 179.478 | 193.329 | 205.146 | 202.627 | 205.146 | 204.855 | 201.368 |
| 77.5 | 99.280 | 88.722 | 93.662 | 100.054 | 111.096 | 121.073 | 131.146 | 132.308 | 133.277 | 133.858 |
| 80.0 | 35.934 | 28.379 | 31.673 | 40.293 | 50.076 | 58.599 | 66.445 | 73.709 | 74.678 | 73.515 |
| 82.5 | 8.717 | 6.780 | 7.749 | 9.202 | 12.107 | 17.531 | 23.440 | 27.895 | 28.186 | 29.735 |
| 85.0 | 1.162 | 0.872 | 0.969 | 1.065 | 1.356 | 2.325 | 3.584 | 5.037 | 5.424 | 6.102 |
| 87.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.097 | 0.097 | 0.194 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Angles **Horizontal Angles**

| | <u>67.5</u> | <u>70.0</u> | <u>72.5</u> | <u>75.0</u> | <u>77.5</u> | <u>80.0</u> | <u>82.5</u> | <u>85.0</u> | <u>87.5</u> | <u>90.0</u> |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 |
| 2.5 | 1816.381 | 1814.734 | 1813.765 | 1814.443 | 1814.250 | 1813.184 | 1815.025 | 1815.993 | 1813.475 | 1811.344 |
| 5.0 | 1810.763 | 1809.407 | 1808.632 | 1809.019 | 1809.310 | 1808.244 | 1809.988 | 1810.472 | 1808.244 | 1806.114 |
| 7.5 | 1803.111 | 1801.755 | 1800.593 | 1801.755 | 1802.046 | 1801.271 | 1803.111 | 1803.789 | 1801.271 | 1799.624 |
| 10.0 | 1792.360 | 1791.004 | 1790.229 | 1791.197 | 1792.069 | 1791.585 | 1793.522 | 1793.522 | 1791.101 | 1789.938 |
| 12.5 | 1779.768 | 1778.800 | 1777.444 | 1778.412 | 1779.284 | 1778.703 | 1780.640 | 1780.252 | 1778.122 | 1777.153 |
| 15.0 | 1762.624 | 1761.365 | 1760.590 | 1761.171 | 1761.849 | 1761.656 | 1763.302 | 1763.883 | 1760.784 | 1760.106 |
| 17.5 | 1740.928 | 1739.572 | 1738.313 | 1739.185 | 1739.766 | 1739.669 | 1741.606 | 1741.703 | 1738.797 | 1738.603 |
| 20.0 | 1714.583 | 1713.614 | 1712.452 | 1712.936 | 1713.808 | 1713.905 | 1715.842 | 1715.648 | 1712.936 | 1713.323 |
| 22.5 | 1685.622 | 1683.975 | 1683.685 | 1683.782 | 1684.266 | 1684.750 | 1686.688 | 1686.397 | 1683.879 | 1684.266 |
| 25.0 | 1654.143 | 1652.400 | 1651.625 | 1651.528 | 1652.303 | 1653.078 | 1655.112 | 1654.918 | 1651.915 | 1652.690 |
| 27.5 | 1620.049 | 1618.499 | 1617.047 | 1616.950 | 1617.047 | 1617.725 | 1620.049 | 1619.952 | 1617.047 | 1617.725 |
| 30.0 | 1582.468 | 1581.112 | 1580.337 | 1580.047 | 1579.756 | 1580.628 | 1582.565 | 1582.371 | 1579.175 | 1580.240 |
| 32.5 | 1540.916 | 1539.269 | 1539.076 | 1539.269 | 1538.688 | 1539.173 | 1541.110 | 1541.303 | 1538.495 | 1539.851 |
| 35.0 | 1495.296 | 1493.552 | 1493.359 | 1493.649 | 1493.262 | 1493.746 | 1495.296 | 1495.586 | 1492.390 | 1493.940 |
| 37.5 | 1443.574 | 1441.055 | 1441.830 | 1442.121 | 1441.540 | 1441.927 | 1443.380 | 1443.283 | 1440.280 | 1441.249 |
| 40.0 | 1386.427 | 1384.684 | 1386.524 | 1386.718 | 1386.524 | 1385.556 | 1387.202 | 1387.008 | 1384.296 | 1385.362 |
| 42.5 | 1327.634 | 1327.634 | 1329.281 | 1330.056 | 1329.281 | 1328.312 | 1329.087 | 1329.281 | 1326.569 | 1328.022 |
| 45.0 | 1266.130 | 1266.614 | 1268.551 | 1270.294 | 1270.198 | 1268.842 | 1268.745 | 1269.907 | 1267.873 | 1269.326 |
| 47.5 | 1201.525 | 1200.847 | 1203.850 | 1205.593 | 1205.981 | 1205.206 | 1204.334 | 1205.109 | 1203.559 | 1204.528 |
| 50.0 | 1131.981 | 1130.431 | 1131.690 | 1132.368 | 1132.078 | 1130.722 | 1130.238 | 1130.722 | 1128.204 | 1129.753 |
| 52.5 | 1051.008 | 1048.586 | 1048.780 | 1049.458 | 1048.877 | 1047.521 | 1047.424 | 1046.843 | 1043.937 | 1045.971 |
| 55.0 | 961.801 | 959.864 | 958.121 | 958.024 | 958.508 | 959.670 | 958.799 | 957.055 | 953.956 | 956.958 |
| 57.5 | 870.077 | 867.655 | 865.427 | 865.427 | 865.427 | 869.883 | 869.205 | 866.783 | 863.200 | 864.749 |
| 60.0 | 779.514 | 778.933 | 777.480 | 777.383 | 778.836 | 781.645 | 781.839 | 781.064 | 778.061 | 779.127 |
| 62.5 | 688.177 | 693.407 | 693.892 | 694.376 | 694.376 | 697.088 | 700.478 | 698.541 | 694.085 | 695.635 |
| 65.0 | 591.222 | 603.814 | 608.657 | 608.850 | 608.560 | 610.594 | 615.727 | 615.340 | 609.044 | 610.303 |
| 67.5 | 488.746 | 500.272 | 507.924 | 510.927 | 508.893 | 508.602 | 513.445 | 514.801 | 509.474 | 509.764 |
| 70.0 | 378.715 | 388.207 | 397.603 | 405.836 | 405.254 | 405.448 | 408.451 | 412.034 | 407.482 | 406.998 |
| 72.5 | 281.567 | 285.635 | 295.611 | 307.718 | 314.886 | 314.595 | 315.273 | 320.697 | 316.145 | 314.983 |
| 75.0 | 199.625 | 198.947 | 202.240 | 211.248 | 219.965 | 223.549 | 222.774 | 226.164 | 224.517 | 223.645 |
| 77.5 | 133.567 | 131.049 | 128.531 | 129.015 | 134.536 | 142.478 | 144.319 | 144.609 | 145.093 | 144.319 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 80.0 | 73.515 | 73.903 | 73.225 | 73.418 | 73.515 | 77.583 | 81.748 | 82.717 | 82.620 | 82.233 |
| 82.5 | 32.157 | 32.641 | 32.447 | 32.544 | 32.641 | 32.351 | 34.288 | 36.128 | 36.128 | 35.547 |
| 85.0 | 6.683 | 7.652 | 7.555 | 8.233 | 8.427 | 8.233 | 8.233 | 8.814 | 8.911 | 9.105 |
| 87.5 | 0.194 | 0.291 | 0.291 | 0.291 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Horizontal Angles
Angles

| | <u>92.5</u> | <u>95.0</u> | <u>97.5</u> | <u>100.0</u> | <u>102.5</u> | <u>105.0</u> | <u>107.5</u> | <u>110.0</u> | <u>112.5</u> | <u>115.0</u> |
|------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 |
| 2.5 | 1814.153 | 1816.962 | 1814.540 | 1813.378 | 1815.025 | 1815.218 | 1815.121 | 1816.090 | 1817.640 | 1817.737 |
| 5.0 | 1809.407 | 1812.313 | 1809.794 | 1808.535 | 1810.182 | 1810.569 | 1810.375 | 1811.441 | 1812.991 | 1813.475 |
| 7.5 | 1803.014 | 1806.114 | 1803.208 | 1802.142 | 1803.498 | 1804.467 | 1803.983 | 1805.436 | 1806.404 | 1807.373 |
| 10.0 | 1793.328 | 1796.718 | 1793.135 | 1792.650 | 1793.522 | 1794.491 | 1794.394 | 1795.847 | 1797.299 | 1797.881 |
| 12.5 | 1781.027 | 1784.030 | 1780.930 | 1779.962 | 1781.802 | 1782.577 | 1782.577 | 1784.417 | 1785.967 | 1786.451 |
| 15.0 | 1764.561 | 1767.467 | 1764.077 | 1763.593 | 1765.627 | 1766.595 | 1766.692 | 1768.920 | 1770.276 | 1771.245 |
| 17.5 | 1743.156 | 1745.868 | 1742.381 | 1742.090 | 1744.415 | 1745.287 | 1746.255 | 1748.192 | 1749.548 | 1750.711 |
| 20.0 | 1717.585 | 1719.716 | 1716.520 | 1716.326 | 1718.070 | 1719.232 | 1720.394 | 1722.428 | 1724.268 | 1725.431 |
| 22.5 | 1688.431 | 1690.756 | 1687.462 | 1687.172 | 1689.496 | 1690.465 | 1691.337 | 1693.952 | 1696.180 | 1697.148 |
| 25.0 | 1656.758 | 1659.277 | 1655.693 | 1656.177 | 1658.018 | 1658.986 | 1660.052 | 1662.667 | 1664.798 | 1666.347 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLM-LED-05L-30.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.5 | 1622.180 | 1624.601 | 1621.115 | 1621.793 | 1623.536 | 1624.795 | 1626.442 | 1629.154 | 1631.188 | 1633.416 |
| 30.0 | 1584.696 | 1587.020 | 1584.212 | 1584.599 | 1586.924 | 1588.861 | 1590.314 | 1592.735 | 1594.672 | 1596.416 |
| 32.5 | 1543.822 | 1545.953 | 1543.337 | 1544.209 | 1546.824 | 1548.955 | 1550.311 | 1553.120 | 1554.476 | 1555.832 |
| 35.0 | 1497.330 | 1499.558 | 1497.620 | 1498.880 | 1501.204 | 1503.626 | 1504.594 | 1507.113 | 1508.953 | 1510.599 |
| 37.5 | 1445.220 | 1446.189 | 1445.220 | 1447.448 | 1450.547 | 1452.581 | 1453.647 | 1455.778 | 1457.327 | 1459.265 |
| 40.0 | 1388.364 | 1389.139 | 1388.946 | 1392.045 | 1395.145 | 1396.888 | 1398.535 | 1399.987 | 1402.506 | 1404.152 |
| 42.5 | 1330.540 | 1331.702 | 1331.896 | 1335.286 | 1339.451 | 1342.066 | 1342.647 | 1344.391 | 1346.328 | 1347.684 |
| 45.0 | 1270.682 | 1271.844 | 1272.716 | 1275.622 | 1280.561 | 1282.595 | 1283.951 | 1285.598 | 1287.632 | 1289.569 |
| 47.5 | 1206.465 | 1207.918 | 1209.564 | 1213.729 | 1218.669 | 1220.025 | 1221.187 | 1222.059 | 1224.868 | 1226.418 |
| 50.0 | 1131.012 | 1132.756 | 1136.727 | 1141.086 | 1145.638 | 1147.188 | 1150.287 | 1151.740 | 1154.936 | 1157.261 |
| 52.5 | 1046.068 | 1048.489 | 1053.816 | 1057.885 | 1062.146 | 1063.890 | 1067.377 | 1070.089 | 1075.610 | 1080.452 |
| 55.0 | 955.505 | 959.089 | 965.288 | 969.356 | 972.746 | 975.168 | 979.139 | 983.110 | 989.309 | 995.120 |
| 57.5 | 864.168 | 869.108 | 874.726 | 877.728 | 879.569 | 881.506 | 885.961 | 890.707 | 896.906 | 903.396 |
| 60.0 | 778.352 | 782.614 | 787.844 | 789.587 | 789.781 | 791.040 | 794.915 | 799.951 | 805.472 | 810.412 |
| 62.5 | 695.345 | 701.447 | 707.161 | 707.646 | 708.808 | 709.486 | 711.617 | 715.104 | 718.106 | 721.109 |
| 65.0 | 610.303 | 617.471 | 620.086 | 620.570 | 621.054 | 623.670 | 625.413 | 628.900 | 630.353 | 631.031 |
| 67.5 | 510.636 | 518.869 | 520.225 | 520.031 | 524.487 | 529.233 | 538.628 | 543.084 | 545.214 | 544.343 |
| 70.0 | 408.354 | 414.747 | 414.456 | 414.553 | 420.171 | 426.273 | 432.278 | 436.636 | 440.995 | 440.705 |
| 72.5 | 317.598 | 323.409 | 322.053 | 323.990 | 328.058 | 330.674 | 335.032 | 338.519 | 336.873 | 328.640 |
| 75.0 | 226.454 | 229.457 | 229.747 | 235.268 | 239.724 | 240.886 | 241.177 | 239.143 | 232.847 | 227.907 |
| 77.5 | 146.740 | 148.096 | 149.743 | 153.036 | 153.908 | 155.167 | 155.457 | 150.227 | 145.578 | 144.900 |
| 80.0 | 83.976 | 85.429 | 87.075 | 88.238 | 88.044 | 84.267 | 80.973 | 79.908 | 82.911 | 84.848 |
| 82.5 | 37.000 | 37.968 | 39.034 | 38.453 | 36.903 | 35.934 | 36.709 | 37.678 | 38.550 | 38.550 |
| 85.0 | 9.395 | 9.686 | 9.686 | 9.492 | 9.686 | 9.880 | 10.073 | 9.880 | 9.589 | 9.008 |
| 87.5 | 0.484 | 0.484 | 0.484 | 0.484 | 0.484 | 0.484 | 0.484 | 0.484 | 0.484 | 0.387 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLM-LED-05L-30.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Horizontal Angles

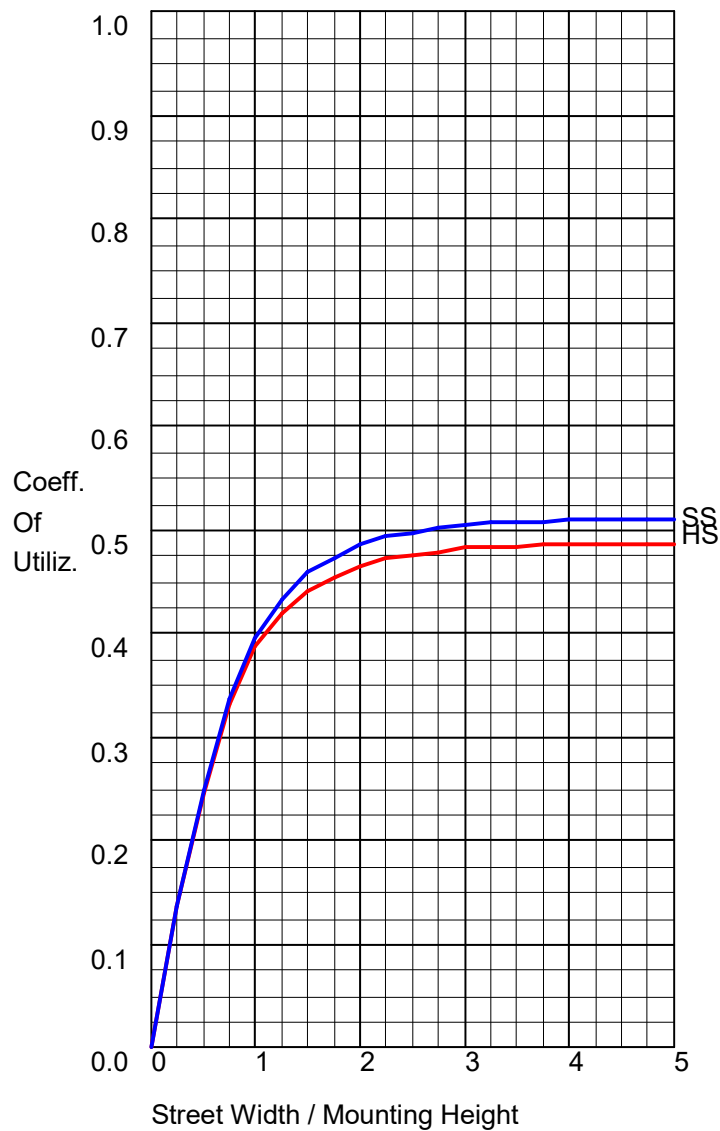
| | 117.5 | 120.0 | 125.0 | 135.0 | 145.0 | 155.0 | 165.0 | 175.0 | 180.0 |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 | 1826.648 |
| 2.5 | 1819.286 | 1820.642 | 1822.870 | 1826.163 | 1829.844 | 1832.556 | 1833.912 | 1834.687 | 1830.425 |
| 5.0 | 1815.606 | 1816.574 | 1818.802 | 1822.192 | 1826.454 | 1829.360 | 1830.812 | 1831.684 | 1825.873 |
| 7.5 | 1809.213 | 1809.891 | 1812.313 | 1815.703 | 1820.255 | 1823.742 | 1825.485 | 1826.841 | 1820.158 |
| 10.0 | 1799.915 | 1800.690 | 1803.111 | 1806.210 | 1810.860 | 1815.025 | 1817.349 | 1819.189 | 1811.925 |
| 12.5 | 1788.389 | 1789.745 | 1791.972 | 1796.331 | 1801.174 | 1805.532 | 1807.566 | 1809.504 | 1800.593 |
| 15.0 | 1773.666 | 1774.635 | 1777.444 | 1781.802 | 1787.129 | 1790.519 | 1792.650 | 1794.006 | 1784.224 |
| 17.5 | 1753.907 | 1755.166 | 1757.781 | 1761.946 | 1767.564 | 1770.664 | 1772.504 | 1774.441 | 1762.237 |
| 20.0 | 1729.015 | 1729.983 | 1733.470 | 1737.635 | 1743.737 | 1746.449 | 1747.805 | 1750.323 | 1736.957 |
| 22.5 | 1700.635 | 1701.797 | 1704.703 | 1708.771 | 1715.939 | 1718.748 | 1720.394 | 1723.203 | 1708.481 |
| 25.0 | 1670.028 | 1670.900 | 1673.612 | 1677.099 | 1685.138 | 1688.140 | 1689.593 | 1693.080 | 1677.680 |
| 27.5 | 1636.128 | 1638.065 | 1639.324 | 1643.682 | 1651.819 | 1654.918 | 1656.565 | 1659.567 | 1643.779 |
| 30.0 | 1599.321 | 1600.968 | 1602.518 | 1607.651 | 1615.400 | 1619.177 | 1621.018 | 1623.439 | 1607.167 |
| 32.5 | 1557.866 | 1559.125 | 1561.837 | 1567.746 | 1575.591 | 1579.466 | 1580.144 | 1583.146 | 1566.002 |
| 35.0 | 1512.537 | 1513.118 | 1515.927 | 1522.610 | 1530.552 | 1534.717 | 1535.879 | 1537.720 | 1519.801 |
| 37.5 | 1461.395 | 1462.364 | 1464.979 | 1471.081 | 1479.895 | 1484.254 | 1485.029 | 1485.901 | 1467.304 |
| 40.0 | 1406.477 | 1408.317 | 1410.932 | 1417.228 | 1424.977 | 1428.948 | 1429.917 | 1430.595 | 1410.545 |
| 42.5 | 1350.009 | 1352.818 | 1356.111 | 1362.600 | 1369.283 | 1371.899 | 1374.126 | 1373.642 | 1353.011 |
| 45.0 | 1291.313 | 1293.831 | 1298.286 | 1304.582 | 1310.781 | 1312.428 | 1314.268 | 1313.881 | 1293.831 |
| 47.5 | 1227.774 | 1230.292 | 1234.844 | 1242.302 | 1247.436 | 1248.501 | 1251.213 | 1249.664 | 1227.193 |
| 50.0 | 1160.651 | 1163.266 | 1166.947 | 1174.405 | 1179.829 | 1180.023 | 1176.826 | 1171.596 | 1145.444 |
| 52.5 | 1086.070 | 1090.332 | 1097.209 | 1101.374 | 1107.379 | 1097.403 | 1082.293 | 1074.835 | 1044.809 |
| 55.0 | 1002.772 | 1008.487 | 1018.076 | 1023.306 | 1022.144 | 995.798 | 976.039 | 967.128 | 936.424 |
| 57.5 | 910.854 | 914.534 | 925.479 | 937.684 | 919.765 | 886.736 | 864.846 | 853.611 | 821.260 |
| 60.0 | 814.867 | 817.870 | 826.200 | 834.239 | 807.313 | 775.349 | 756.849 | 749.973 | 721.206 |
| 62.5 | 723.724 | 725.564 | 728.276 | 717.138 | 691.858 | 673.842 | 668.612 | 670.549 | 646.334 |
| 65.0 | 633.258 | 635.389 | 626.672 | 597.615 | 588.607 | 589.672 | 588.994 | 589.091 | 566.233 |
| 67.5 | 543.665 | 539.887 | 521.775 | 485.937 | 496.592 | 507.730 | 505.987 | 505.115 | 485.356 |
| 70.0 | 434.699 | 426.466 | 412.422 | 398.474 | 405.448 | 423.076 | 422.689 | 421.623 | 400.121 |
| 72.5 | 317.598 | 309.752 | 310.527 | 319.148 | 320.891 | 335.323 | 332.223 | 319.148 | 281.567 |
| 75.0 | 222.193 | 221.418 | 224.808 | 236.624 | 236.915 | 218.221 | 218.706 | 216.381 | 202.530 |
| 77.5 | 145.965 | 147.224 | 150.905 | 150.421 | 143.156 | 136.376 | 130.274 | 127.465 | 117.973 |
| 80.0 | 86.397 | 87.753 | 84.945 | 77.874 | 69.157 | 65.379 | 57.824 | 55.209 | 43.586 |
| 82.5 | 38.162 | 35.160 | 35.256 | 27.508 | 22.665 | 19.275 | 16.950 | 15.691 | 11.332 |
| 85.0 | 8.717 | 8.330 | 7.264 | 4.843 | 3.196 | 2.131 | 1.550 | 1.356 | 0.872 |
| 87.5 | 0.387 | 0.291 | 0.194 | 0.097 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLM-LED-05L-30.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

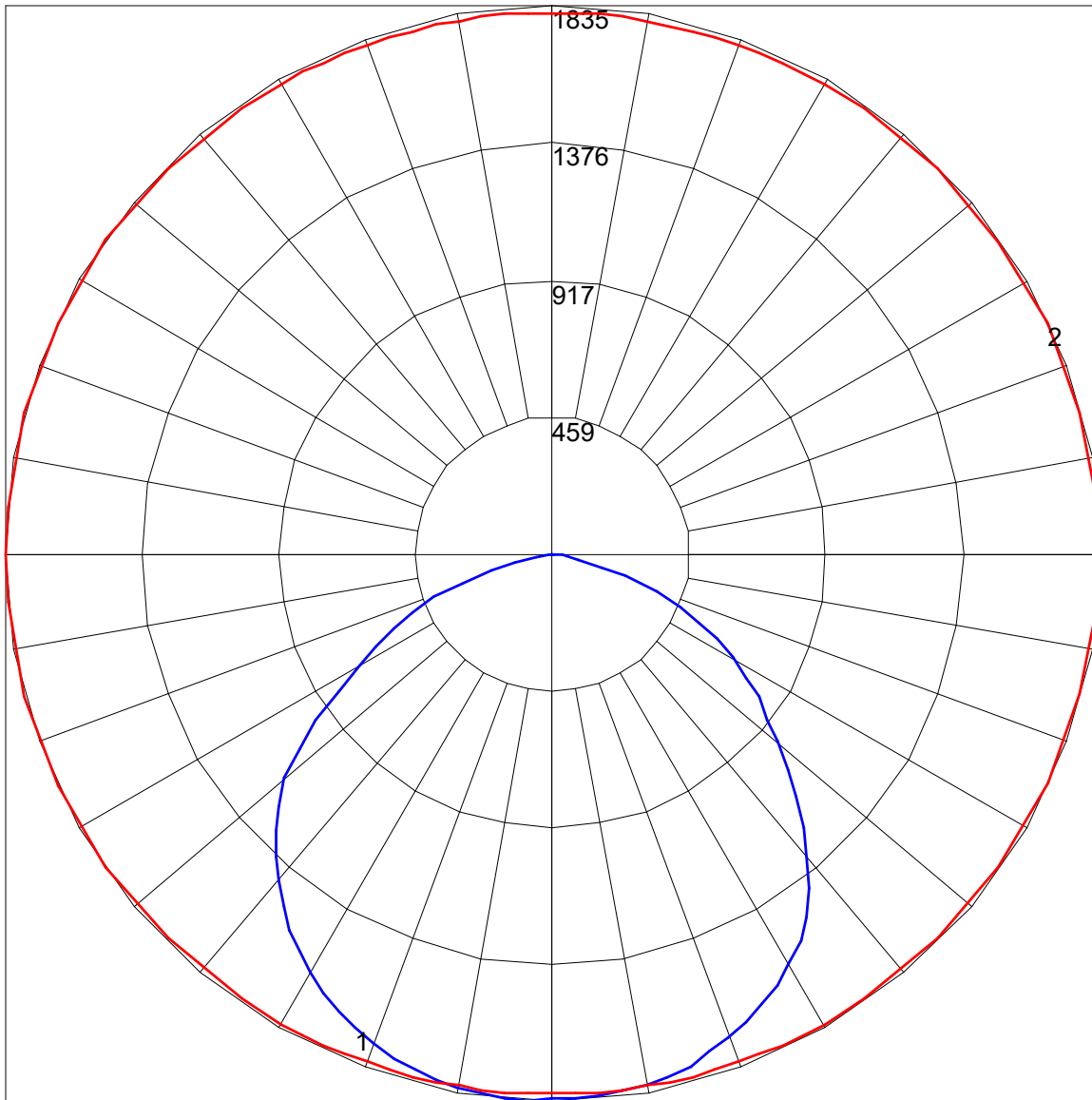
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

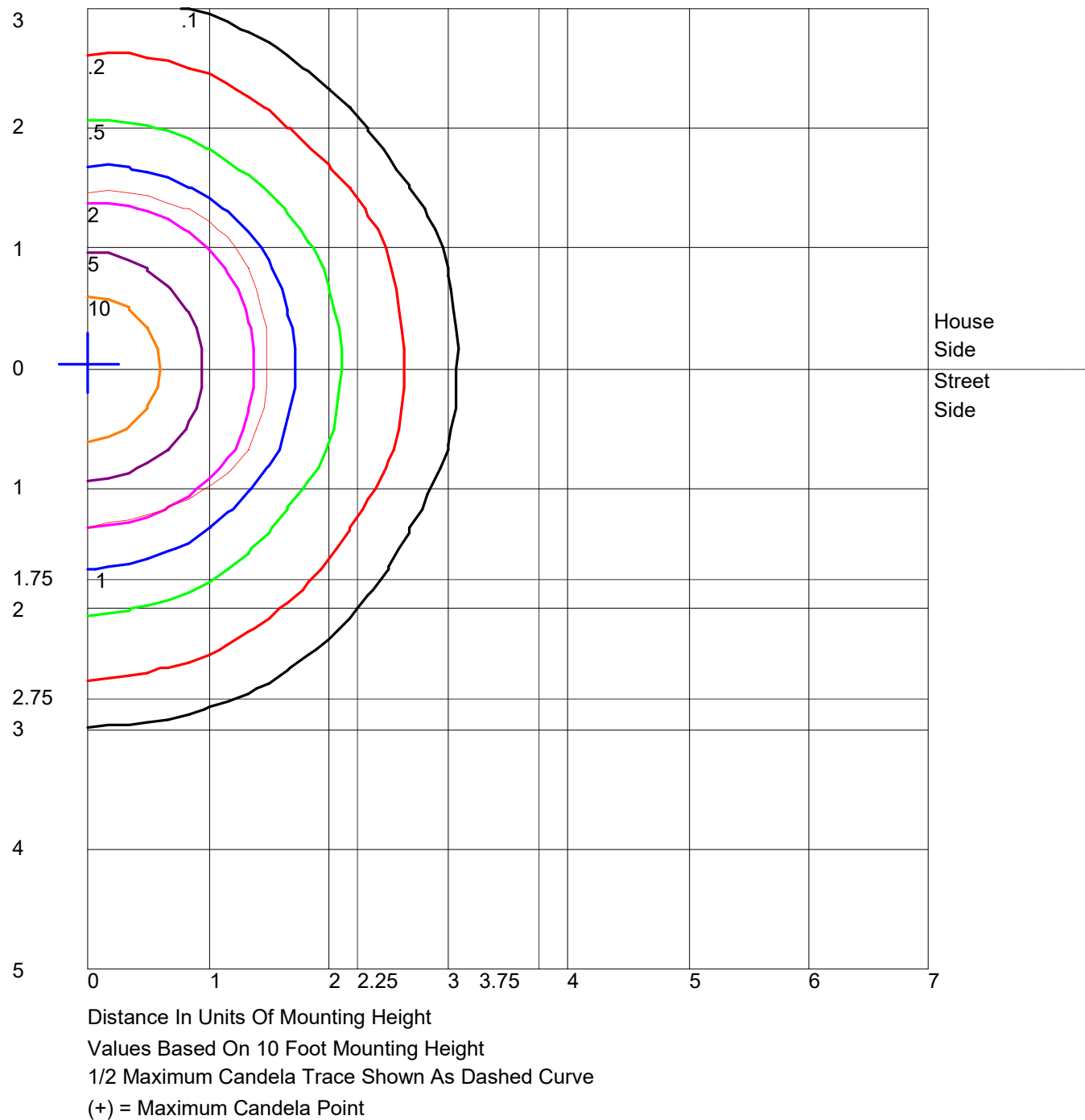
| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 2452.6 | 48.8 |
| Downward House Side | 2572.8 | 51.2 |
| Downward Total | 5025.4 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 5025.4 | 100.0 |

POLAR GRAPH

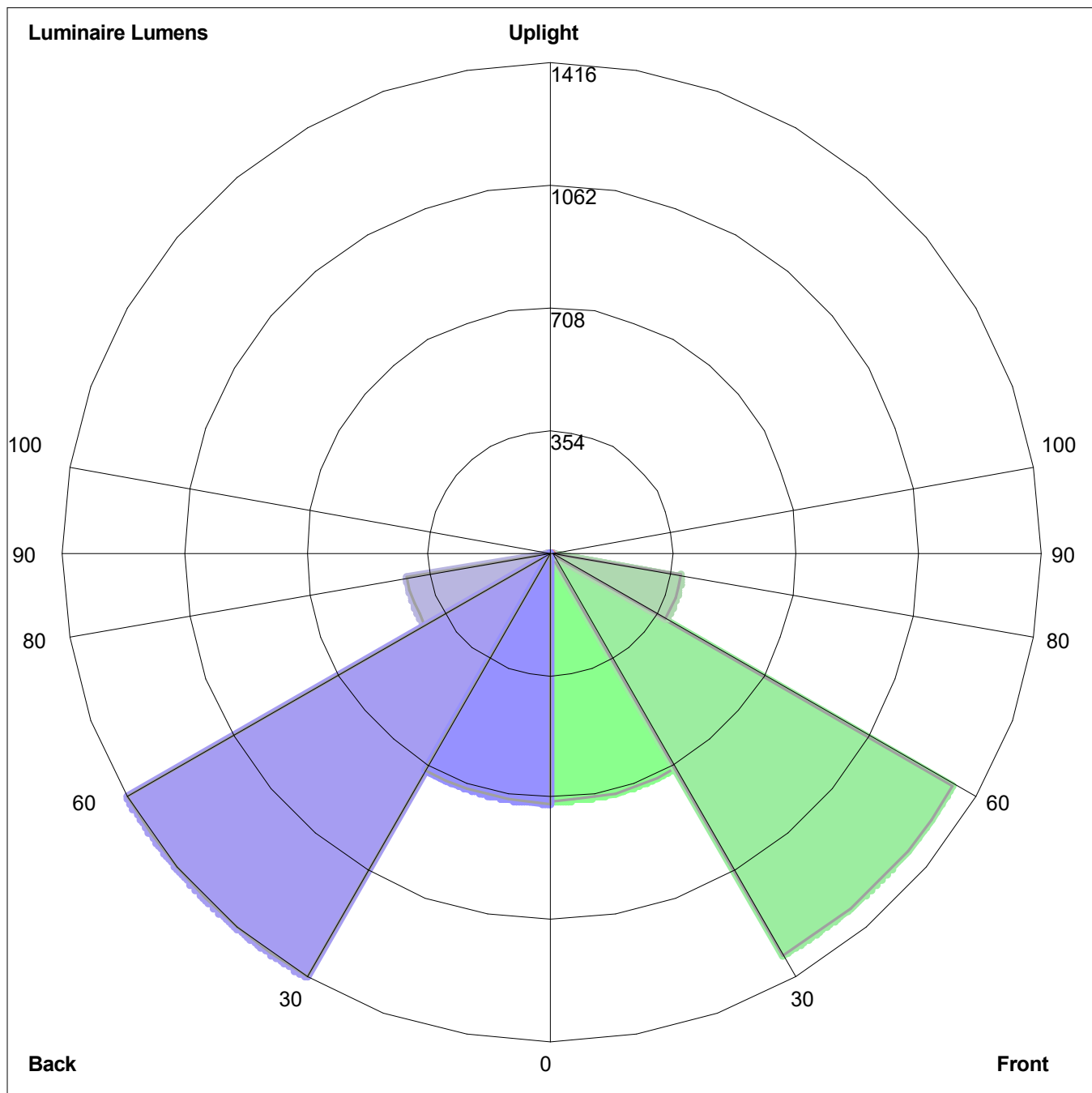


Maximum Candela = 1834.687 Located At Horizontal Angle = 175, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (175 - 355) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=718.8, Medium=1342.9, High=383.9, Very High=7.0
Back: Low=724.6, Medium=1416.3, High=422.5, Very High=9.5
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0