

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P141377

Luminaire Tested: **MEM-F04-LED-E-U-SL4-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141377
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33692)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM-F04-LED-E-U-SL4-7060
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (28) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9566.8 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

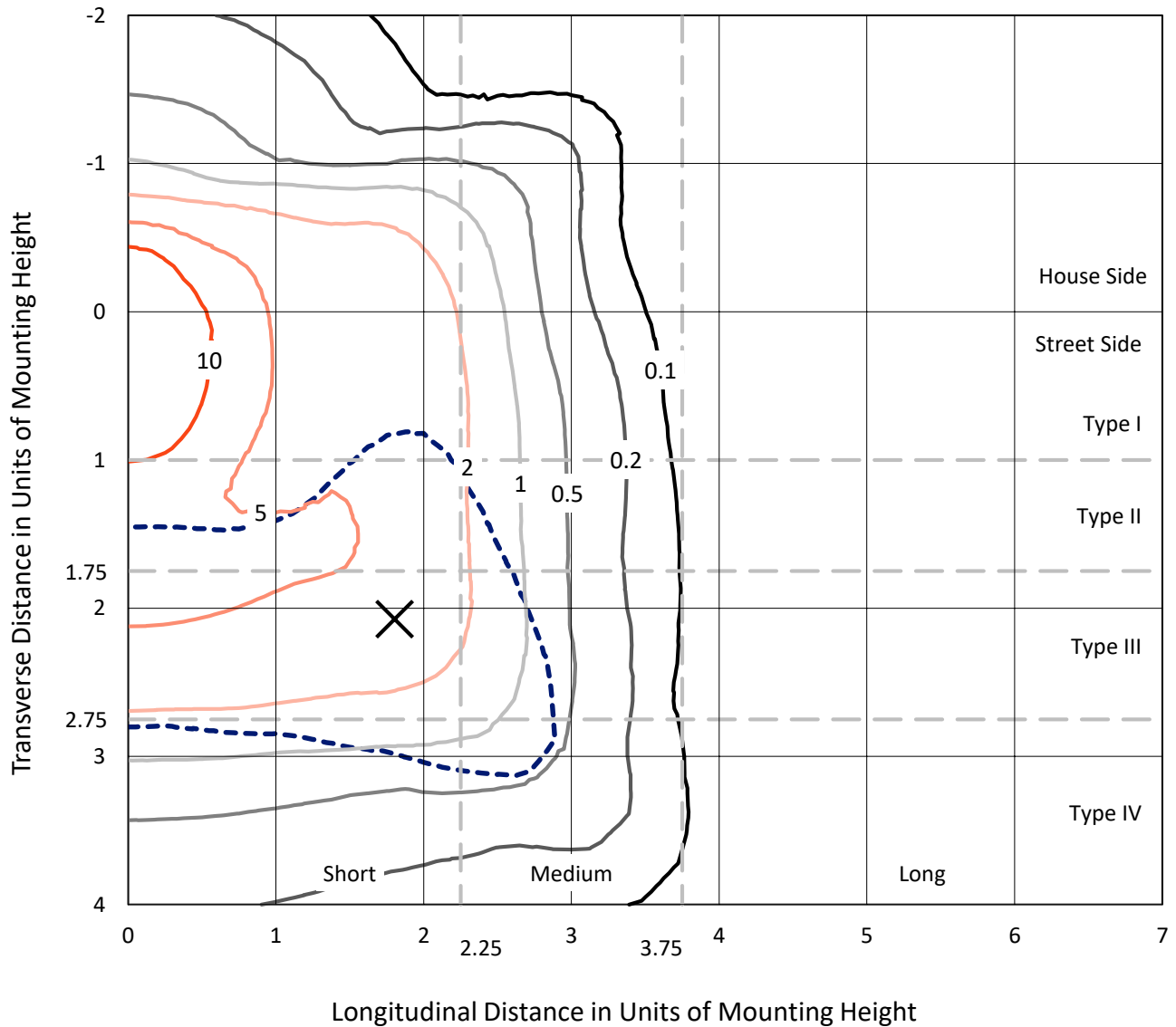
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

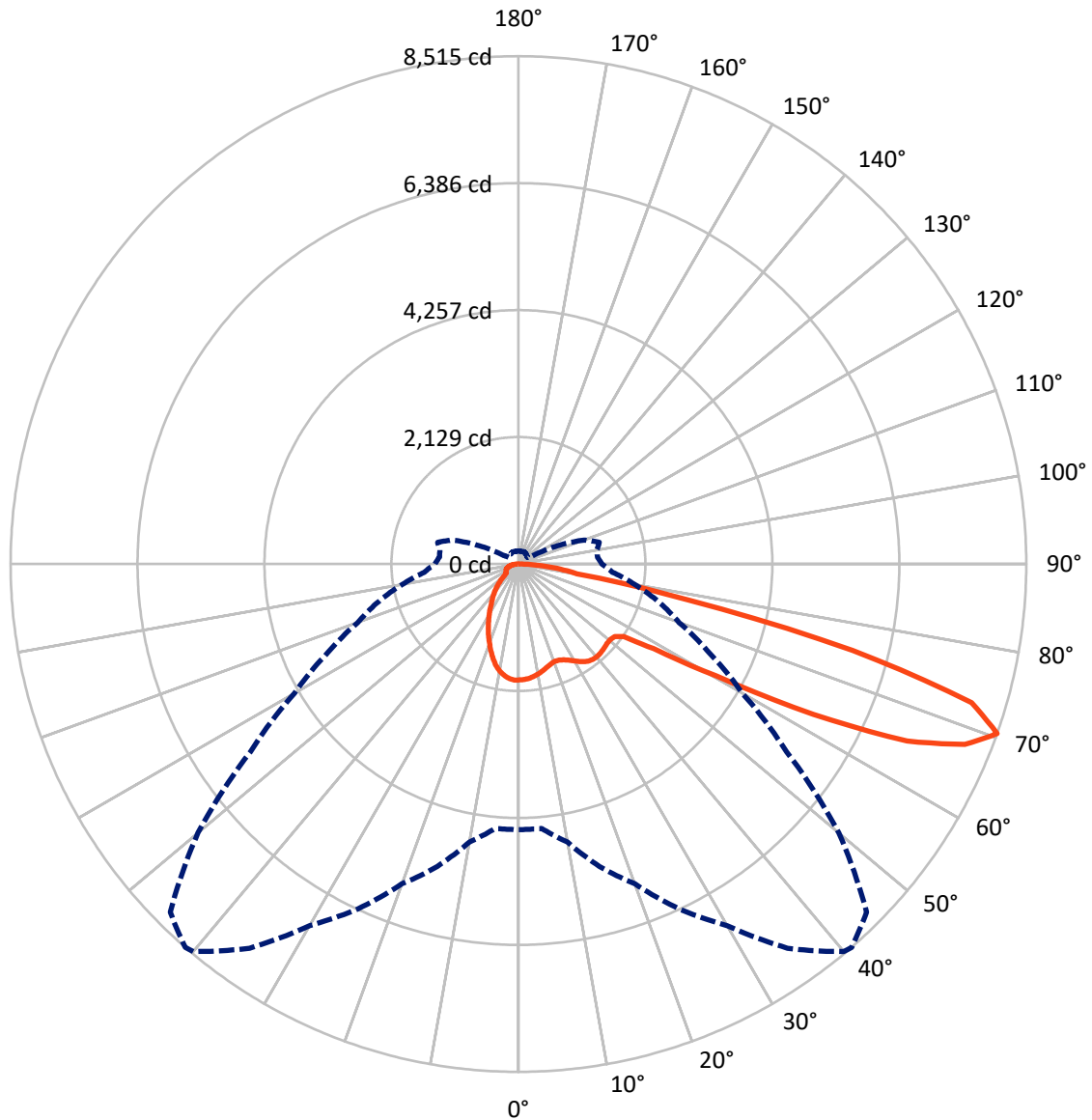
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2052.6 | 0.0 | 2052.6 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 7514.2 | 0.0 | 7514.2 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 9566.8 | 0.0 | 9566.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 180.9 | 1.9 |
| 10°-20° | 484.8 | 5.1 |
| 20°-30° | 700.9 | 7.3 |
| 30°-40° | 892.1 | 9.3 |
| 40°-50° | 1051.3 | 11.0 |
| 50°-60° | 1608.6 | 16.8 |
| 60°-70° | 2989.7 | 31.3 |
| 70°-80° | 1443.0 | 15.1 |
| 80°-90° | 215.5 | 2.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 9566.8 | 100.0 |
| 0°-180° | 9566.8 | 100.0 |



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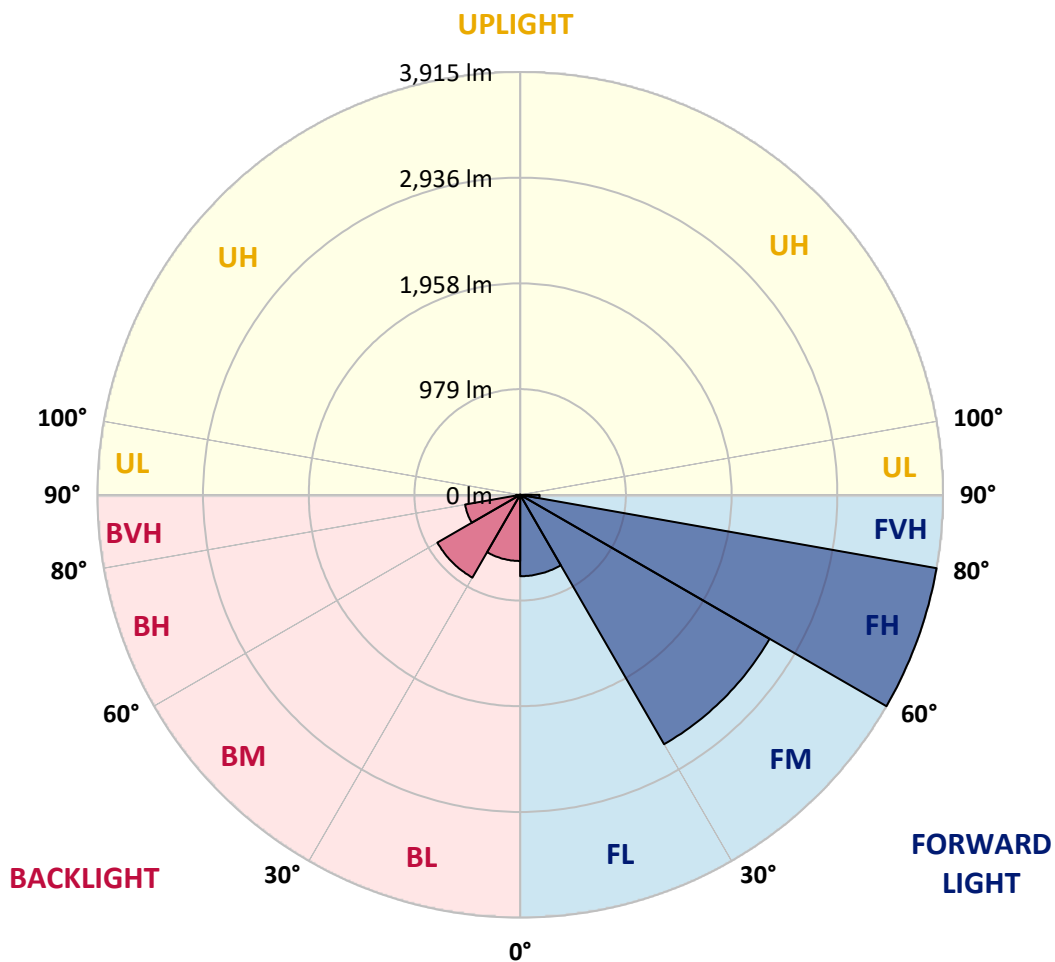
CATALOG NUMBER: MEM-F04-LED-E-U-SL4-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 753.5 | 7.9 | | | |
| FM | (30°-60°) | 2666.4 | 27.9 | | | |
| FH | (60°-80°) | 3915.1 | 40.9 | | | G2/5000 |
| FVH | (80°-90°) | 179.1 | 1.9 | | | G2/225 |
| BL | (0°-30°) | 613.1 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 885.5 | 9.3 | B1/1000 | | |
| BH | (60°-80°) | 517.6 | 5.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 36.4 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Short





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CATALOG NUMBER: MEM-F04-LED-E-U-SL4-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 41° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 |
| 2.5° | 1943.8 | 1946.0 | 1944.9 | 1942.6 | 1940.4 | 1941.5 | 1940.4 | 1939.2 | 1939.2 | 1938.1 | 1937.0 |
| 5° | 1934.7 | 1939.2 | 1935.9 | 1933.6 | 1930.2 | 1930.2 | 1929.1 | 1926.8 | 1924.6 | 1923.4 | 1921.2 |
| 7.5° | 1915.5 | 1920.0 | 1917.8 | 1915.5 | 1912.1 | 1909.9 | 1905.4 | 1903.1 | 1900.8 | 1899.7 | 1896.3 |
| 10° | 1889.5 | 1891.8 | 1889.5 | 1885.0 | 1882.8 | 1881.6 | 1879.4 | 1874.9 | 1870.3 | 1868.1 | 1864.7 |
| 12.5° | 1855.7 | 1856.8 | 1854.5 | 1852.3 | 1848.9 | 1848.9 | 1845.5 | 1842.1 | 1835.3 | 1833.1 | 1825.2 |
| 15° | 1826.3 | 1822.9 | 1820.6 | 1819.5 | 1818.4 | 1812.7 | 1813.9 | 1808.2 | 1796.9 | 1793.5 | 1784.5 |
| 17.5° | 1818.4 | 1815.0 | 1813.9 | 1810.5 | 1808.2 | 1801.4 | 1794.7 | 1783.4 | 1764.2 | 1760.8 | 1747.2 |
| 20° | 1841.0 | 1841.0 | 1837.6 | 1835.3 | 1831.9 | 1819.5 | 1804.8 | 1783.4 | 1748.4 | 1740.5 | 1723.5 |
| 22.5° | 1895.2 | 1889.5 | 1887.3 | 1887.3 | 1886.2 | 1868.1 | 1841.0 | 1807.1 | 1760.8 | 1750.6 | 1721.3 |
| 25° | 1979.9 | 1969.7 | 1973.1 | 1972.0 | 1969.7 | 1943.8 | 1904.2 | 1855.7 | 1792.4 | 1778.9 | 1740.5 |
| 27.5° | 2080.4 | 2082.7 | 2081.5 | 2077.0 | 2070.3 | 2042.0 | 1985.5 | 1920.0 | 1841.0 | 1827.4 | 1777.7 |
| 30° | 2185.5 | 2187.7 | 2194.5 | 2191.1 | 2186.6 | 2143.7 | 2073.6 | 2002.5 | 1906.5 | 1888.4 | 1827.4 |
| 32.5° | 2307.4 | 2315.3 | 2321.0 | 2322.1 | 2304.0 | 2245.3 | 2162.9 | 2072.5 | 1970.9 | 1952.8 | 1877.1 |
| 35° | 2448.6 | 2444.1 | 2454.3 | 2449.7 | 2418.1 | 2337.9 | 2236.3 | 2129.0 | 2025.1 | 2001.4 | 1920.0 |
| 37.5° | 2590.9 | 2596.6 | 2586.4 | 2567.2 | 2517.5 | 2412.5 | 2287.1 | 2166.3 | 2051.1 | 2028.5 | 1943.8 |
| 40° | 2728.7 | 2725.3 | 2701.6 | 2668.9 | 2594.3 | 2459.9 | 2315.3 | 2183.2 | 2060.1 | 2036.4 | 1949.4 |
| 42.5° | 2831.5 | 2822.5 | 2786.3 | 2733.2 | 2637.2 | 2482.5 | 2323.2 | 2183.2 | 2054.4 | 2029.6 | 1941.5 |
| 45° | 2876.7 | 2867.6 | 2832.6 | 2764.9 | 2650.8 | 2478.0 | 2309.7 | 2164.0 | 2035.2 | 2013.8 | 1925.7 |
| 47.5° | 2876.7 | 2873.3 | 2834.9 | 2769.4 | 2647.4 | 2465.6 | 2289.4 | 2140.3 | 2016.0 | 1994.6 | 1912.1 |
| 50° | 2854.1 | 2851.8 | 2817.9 | 2753.6 | 2636.1 | 2458.8 | 2283.7 | 2135.8 | 2014.9 | 1993.5 | 1917.8 |
| 52.5° | 2929.8 | 2915.1 | 2880.1 | 2805.5 | 2677.9 | 2487.0 | 2312.0 | 2158.3 | 2042.0 | 2020.6 | 1942.6 |
| 55° | 3850.2 | 3837.8 | 3660.5 | 3348.8 | 3022.4 | 2724.2 | 2468.9 | 2292.8 | 2175.3 | 2142.5 | 2086.1 |
| 57.5° | 5338.8 | 5320.8 | 5138.9 | 4855.4 | 4294.1 | 3656.0 | 3155.6 | 2862.0 | 2697.1 | 2673.4 | 2639.5 |
| 60° | 5943.1 | 5936.3 | 5859.5 | 5744.3 | 5532.0 | 5202.2 | 4736.8 | 4248.9 | 3869.4 | 3808.5 | 3813.0 |
| 62.5° | 6289.8 | 6272.9 | 6235.6 | 6207.4 | 6135.1 | 6000.7 | 5913.7 | 5777.1 | 5593.0 | 5551.2 | 5286.9 |
| 65° | 6484.1 | 6481.8 | 6502.2 | 6525.9 | 6521.4 | 6562.0 | 6606.1 | 6867.0 | 7173.0 | 7159.5 | 6880.5 |
| 67.5° | 6194.9 | 6214.1 | 6320.3 | 6483.0 | 6653.5 | 6834.2 | 7170.8 | 7693.7 | 8072.1 | 8072.1 | 7827.0 |
| 70° | 4453.4 | 4450.0 | 4732.3 | 5247.4 | 5705.9 | 6381.3 | 7001.4 | 7863.1 | 8482.1 | 8514.8 | 8255.0 |
| 72.5° | 2668.9 | 2731.0 | 2904.9 | 3138.7 | 3528.4 | 4346.1 | 5499.2 | 7047.7 | 7911.7 | 7946.7 | 7636.1 |
| 75° | 1874.9 | 1828.6 | 1821.8 | 1835.3 | 1902.0 | 2103.0 | 2737.7 | 4325.7 | 5735.3 | 5789.5 | 5489.1 |
| 77.5° | 1199.5 | 1189.3 | 1193.8 | 1208.5 | 1211.9 | 1231.1 | 1261.6 | 1482.9 | 2658.7 | 2918.5 | 2904.9 |
| 80° | 1034.6 | 1031.2 | 1032.3 | 1015.4 | 982.6 | 970.2 | 1008.6 | 978.1 | 949.9 | 989.4 | 935.2 |
| 82.5° | 693.5 | 705.9 | 726.2 | 753.3 | 818.8 | 841.4 | 829.0 | 823.4 | 734.1 | 713.8 | 633.6 |
| 85° | 513.9 | 507.1 | 515.0 | 515.0 | 498.1 | 481.1 | 493.6 | 481.1 | 425.8 | 398.7 | 352.4 |
| 87.5° | 277.8 | 279.0 | 301.6 | 310.6 | 309.5 | 264.3 | 218.0 | 188.6 | 170.5 | 158.1 | 133.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: MEM-F04-LED-E-U-SL4-7060

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 |
| 2.5° | 1938.1 | 1934.7 | 1935.9 | 1935.9 | 1934.7 | 1937.0 | 1933.6 | 1932.5 | 1933.6 | 1933.6 | 1933.6 |
| 5° | 1918.9 | 1914.4 | 1914.4 | 1913.3 | 1911.0 | 1911.0 | 1906.5 | 1905.4 | 1903.1 | 1906.5 | 1904.2 |
| 7.5° | 1891.8 | 1885.0 | 1879.4 | 1874.9 | 1872.6 | 1869.2 | 1863.6 | 1861.3 | 1859.0 | 1857.9 | 1855.7 |
| 10° | 1859.0 | 1851.1 | 1839.8 | 1830.8 | 1826.3 | 1817.3 | 1810.5 | 1801.4 | 1801.4 | 1796.9 | 1792.4 |
| 12.5° | 1819.5 | 1808.2 | 1796.9 | 1784.5 | 1776.6 | 1764.2 | 1752.9 | 1742.7 | 1734.8 | 1724.6 | 1717.9 |
| 15° | 1780.0 | 1763.0 | 1750.6 | 1738.2 | 1723.5 | 1706.6 | 1693.0 | 1677.2 | 1662.5 | 1646.7 | 1642.2 |
| 17.5° | 1737.1 | 1723.5 | 1712.2 | 1697.5 | 1681.7 | 1661.4 | 1643.3 | 1617.3 | 1599.3 | 1580.1 | 1565.4 |
| 20° | 1708.8 | 1693.0 | 1680.6 | 1667.0 | 1650.1 | 1626.4 | 1602.7 | 1573.3 | 1546.2 | 1518.0 | 1496.5 |
| 22.5° | 1694.2 | 1668.2 | 1656.9 | 1644.5 | 1627.5 | 1601.5 | 1574.4 | 1538.3 | 1504.4 | 1467.1 | 1433.3 |
| 25° | 1699.8 | 1664.8 | 1642.2 | 1628.6 | 1614.0 | 1588.0 | 1553.0 | 1512.3 | 1473.9 | 1426.5 | 1388.1 |
| 27.5° | 1724.6 | 1677.2 | 1642.2 | 1619.6 | 1603.8 | 1576.7 | 1540.5 | 1494.2 | 1447.9 | 1398.2 | 1351.9 |
| 30° | 1757.4 | 1697.5 | 1652.4 | 1619.6 | 1595.9 | 1566.5 | 1527.0 | 1477.3 | 1426.5 | 1371.1 | 1318.0 |
| 32.5° | 1794.7 | 1721.3 | 1667.0 | 1621.9 | 1583.5 | 1546.2 | 1505.5 | 1453.6 | 1400.5 | 1341.8 | 1289.8 |
| 35° | 1824.0 | 1739.3 | 1677.2 | 1617.3 | 1566.5 | 1520.2 | 1472.8 | 1424.2 | 1371.1 | 1315.8 | 1260.4 |
| 37.5° | 1841.0 | 1750.6 | 1677.2 | 1601.5 | 1539.4 | 1490.9 | 1441.2 | 1393.7 | 1342.9 | 1288.7 | 1240.1 |
| 40° | 1847.8 | 1755.1 | 1670.4 | 1583.5 | 1511.2 | 1455.8 | 1409.5 | 1361.0 | 1315.8 | 1268.4 | 1225.4 |
| 42.5° | 1844.4 | 1751.8 | 1661.4 | 1566.5 | 1488.6 | 1428.7 | 1377.9 | 1332.7 | 1295.5 | 1255.9 | 1219.8 |
| 45° | 1830.8 | 1740.5 | 1652.4 | 1558.6 | 1480.7 | 1419.7 | 1367.7 | 1324.8 | 1289.8 | 1253.7 | 1225.4 |
| 47.5° | 1819.5 | 1735.9 | 1658.0 | 1577.8 | 1503.3 | 1441.2 | 1384.7 | 1337.3 | 1307.9 | 1279.6 | 1261.6 |
| 50° | 1828.6 | 1748.4 | 1670.4 | 1594.8 | 1522.5 | 1459.2 | 1401.6 | 1357.6 | 1340.6 | 1336.1 | 1330.5 |
| 52.5° | 1853.4 | 1774.3 | 1708.8 | 1655.8 | 1623.0 | 1599.3 | 1540.5 | 1530.4 | 1515.7 | 1507.8 | 1488.6 |
| 55° | 2014.9 | 1982.2 | 2040.9 | 2105.3 | 2116.6 | 2187.7 | 2215.9 | 2218.2 | 2193.4 | 2105.3 | 1899.7 |
| 57.5° | 2672.2 | 2753.6 | 2778.4 | 2927.5 | 2968.2 | 2936.5 | 2893.6 | 2891.4 | 2814.5 | 2698.2 | 2398.9 |
| 60° | 3846.9 | 3803.9 | 3750.9 | 3653.7 | 3562.2 | 3464.0 | 3328.4 | 3224.5 | 3126.3 | 2947.8 | 2632.7 |
| 62.5° | 5075.7 | 4701.8 | 4429.6 | 4150.7 | 3924.8 | 3727.1 | 3530.6 | 3363.5 | 3204.2 | 2956.9 | 2619.2 |
| 65° | 6141.9 | 5380.6 | 4828.3 | 4409.3 | 4059.2 | 3770.1 | 3509.2 | 3281.0 | 3080.0 | 2770.5 | 2428.3 |
| 67.5° | 6835.3 | 5740.9 | 4915.3 | 4289.6 | 3794.9 | 3426.7 | 3042.7 | 2682.4 | 2484.8 | 2235.2 | 2061.2 |
| 70° | 7012.7 | 5486.8 | 4334.8 | 3532.9 | 2866.5 | 2427.2 | 1974.3 | 1581.2 | 1399.4 | 1329.3 | 1335.0 |
| 72.5° | 6326.0 | 4337.0 | 3073.2 | 2247.6 | 1759.7 | 1394.9 | 1134.0 | 871.9 | 681.0 | 571.5 | 557.9 |
| 75° | 4132.6 | 2413.6 | 1459.2 | 1016.5 | 808.7 | 643.8 | 507.1 | 426.9 | 368.2 | 297.0 | 248.5 |
| 77.5° | 1562.0 | 919.4 | 655.1 | 534.2 | 395.3 | 275.6 | 214.6 | 180.7 | 166.0 | 161.5 | 145.7 |
| 80° | 800.8 | 638.1 | 456.3 | 300.4 | 210.1 | 168.3 | 141.2 | 119.7 | 110.7 | 106.2 | 108.4 |
| 82.5° | 539.9 | 402.1 | 251.9 | 180.7 | 145.7 | 125.4 | 99.4 | 83.6 | 74.5 | 73.4 | 79.1 |
| 85° | 300.4 | 201.0 | 146.8 | 122.0 | 107.3 | 93.7 | 75.7 | 62.1 | 57.6 | 61.0 | 71.2 |
| 87.5° | 93.7 | 92.6 | 66.6 | 54.2 | 56.5 | 48.6 | 36.1 | 27.1 | 27.1 | 35.0 | 49.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: MEM-F04-LED-E-U-SL4-7060

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 | 1943.8 |
| 2.5° | 1933.6 | 1935.9 | 1940.4 | 1937.0 | 1938.1 | 1939.2 | 1942.6 | 1947.1 | 1943.8 | 1941.5 | 1948.3 |
| 5° | 1906.5 | 1906.5 | 1912.1 | 1909.9 | 1914.4 | 1918.9 | 1921.2 | 1929.1 | 1926.8 | 1924.6 | 1933.6 |
| 7.5° | 1856.8 | 1857.9 | 1865.8 | 1863.6 | 1872.6 | 1873.7 | 1882.8 | 1889.5 | 1889.5 | 1894.1 | 1902.0 |
| 10° | 1793.5 | 1793.5 | 1800.3 | 1801.4 | 1807.1 | 1811.6 | 1821.8 | 1834.2 | 1836.5 | 1844.4 | 1855.7 |
| 12.5° | 1722.4 | 1720.1 | 1725.8 | 1725.8 | 1730.3 | 1735.9 | 1747.2 | 1761.9 | 1764.2 | 1776.6 | 1791.3 |
| 15° | 1634.3 | 1630.9 | 1628.6 | 1630.9 | 1633.2 | 1634.3 | 1651.2 | 1665.9 | 1675.0 | 1688.5 | 1703.2 |
| 17.5° | 1549.6 | 1537.2 | 1531.5 | 1531.5 | 1532.6 | 1532.6 | 1539.4 | 1556.4 | 1568.8 | 1590.2 | 1611.7 |
| 20° | 1473.9 | 1452.5 | 1444.5 | 1426.5 | 1423.1 | 1415.2 | 1420.8 | 1440.0 | 1462.6 | 1479.6 | 1496.5 |
| 22.5° | 1402.8 | 1380.2 | 1357.6 | 1336.1 | 1319.2 | 1309.0 | 1319.2 | 1331.6 | 1339.5 | 1353.1 | 1357.6 |
| 25° | 1348.5 | 1311.3 | 1279.6 | 1245.8 | 1227.7 | 1218.7 | 1217.5 | 1216.4 | 1209.6 | 1207.4 | 1207.4 |
| 27.5° | 1305.6 | 1261.6 | 1214.1 | 1176.9 | 1152.0 | 1135.1 | 1115.9 | 1102.3 | 1085.4 | 1062.8 | 1051.5 |
| 30° | 1269.5 | 1222.0 | 1170.1 | 1126.0 | 1094.4 | 1061.7 | 1022.1 | 991.6 | 961.1 | 934.0 | 910.3 |
| 32.5° | 1236.7 | 1188.2 | 1137.3 | 1091.0 | 1036.8 | 980.3 | 930.7 | 894.5 | 841.4 | 805.3 | 774.8 |
| 35° | 1211.9 | 1163.3 | 1115.9 | 1054.9 | 980.3 | 908.1 | 843.7 | 790.6 | 736.4 | 689.0 | 648.3 |
| 37.5° | 1193.8 | 1153.2 | 1102.3 | 1019.9 | 926.1 | 839.2 | 771.4 | 708.2 | 643.8 | 579.4 | 528.6 |
| 40° | 1188.2 | 1153.2 | 1088.8 | 981.5 | 874.2 | 780.4 | 702.5 | 624.6 | 553.4 | 484.5 | 432.6 |
| 42.5° | 1191.6 | 1154.3 | 1067.3 | 947.6 | 831.3 | 729.6 | 641.5 | 551.2 | 466.5 | 393.0 | 341.1 |
| 45° | 1204.0 | 1154.3 | 1044.7 | 910.3 | 791.7 | 683.3 | 578.3 | 471.0 | 372.7 | 314.0 | 291.4 |
| 47.5° | 1241.2 | 1162.2 | 1026.7 | 883.2 | 756.7 | 632.5 | 507.1 | 385.1 | 301.6 | 276.7 | 276.7 |
| 50° | 1298.8 | 1185.9 | 1024.4 | 862.9 | 717.2 | 573.8 | 419.0 | 303.8 | 266.5 | 265.4 | 272.2 |
| 52.5° | 1397.1 | 1227.7 | 1035.7 | 849.3 | 675.4 | 494.7 | 326.4 | 262.0 | 254.1 | 260.9 | 271.1 |
| 55° | 1588.0 | 1301.1 | 1051.5 | 824.5 | 605.4 | 387.4 | 267.7 | 248.5 | 251.9 | 259.8 | 268.8 |
| 57.5° | 1937.0 | 1449.1 | 1068.4 | 771.4 | 490.2 | 293.7 | 242.8 | 244.0 | 249.6 | 257.5 | 265.4 |
| 60° | 2177.5 | 1632.0 | 1102.3 | 682.2 | 364.8 | 242.8 | 232.7 | 241.7 | 248.5 | 254.1 | 260.9 |
| 62.5° | 2197.9 | 1698.7 | 1127.2 | 581.7 | 271.1 | 221.4 | 223.6 | 237.2 | 246.2 | 248.5 | 251.9 |
| 65° | 2075.9 | 1612.8 | 1056.0 | 480.0 | 224.8 | 210.1 | 218.0 | 230.4 | 239.4 | 240.6 | 244.0 |
| 67.5° | 1809.4 | 1433.3 | 901.3 | 364.8 | 205.6 | 202.2 | 211.2 | 219.1 | 225.9 | 231.5 | 236.1 |
| 70° | 1401.6 | 1170.1 | 725.1 | 283.5 | 190.9 | 189.7 | 197.7 | 206.7 | 213.5 | 219.1 | 225.9 |
| 72.5° | 738.6 | 831.3 | 539.9 | 227.0 | 175.1 | 176.2 | 184.1 | 192.0 | 196.5 | 202.2 | 208.9 |
| 75° | 229.3 | 352.4 | 333.2 | 181.8 | 155.9 | 160.4 | 164.9 | 171.7 | 179.6 | 183.0 | 186.4 |
| 77.5° | 135.5 | 143.4 | 173.9 | 142.3 | 135.5 | 138.9 | 144.6 | 150.2 | 155.9 | 160.4 | 163.8 |
| 80° | 109.6 | 111.8 | 112.9 | 112.9 | 112.9 | 117.5 | 122.0 | 129.9 | 134.4 | 136.7 | 137.8 |
| 82.5° | 85.8 | 91.5 | 92.6 | 90.4 | 93.7 | 98.3 | 100.5 | 105.0 | 106.2 | 108.4 | 110.7 |
| 85° | 71.2 | 70.0 | 72.3 | 73.4 | 68.9 | 68.9 | 66.6 | 66.6 | 71.2 | 79.1 | 80.2 |
| 87.5° | 55.3 | 48.6 | 39.5 | 37.3 | 35.0 | 32.8 | 30.5 | 30.5 | 31.6 | 36.1 | 39.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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| 55° | 275.6 | 276.7 | 276.7 | 277.8 | 280.1 |
| 57.5° | 269.9 | 271.1 | 268.8 | 269.9 | 274.5 |
| 60° | 264.3 | 265.4 | 263.2 | 265.4 | 266.5 |
| 62.5° | 256.4 | 256.4 | 255.3 | 256.4 | 257.5 |
| 65° | 247.3 | 244.0 | 246.2 | 245.1 | 246.2 |
| 67.5° | 236.1 | 231.5 | 230.4 | 230.4 | 231.5 |
| 70° | 220.2 | 216.9 | 215.7 | 218.0 | 220.2 |
| 72.5° | 201.0 | 203.3 | 206.7 | 210.1 | 215.7 |
| 75° | 187.5 | 190.9 | 195.4 | 206.7 | 214.6 |
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