

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: P142122

Luminaire Tested: **CEM-E03-LED-E-U-T4-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P142122
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CEM-E03-LED-E-U-T4-7060
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (63) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8852.5 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

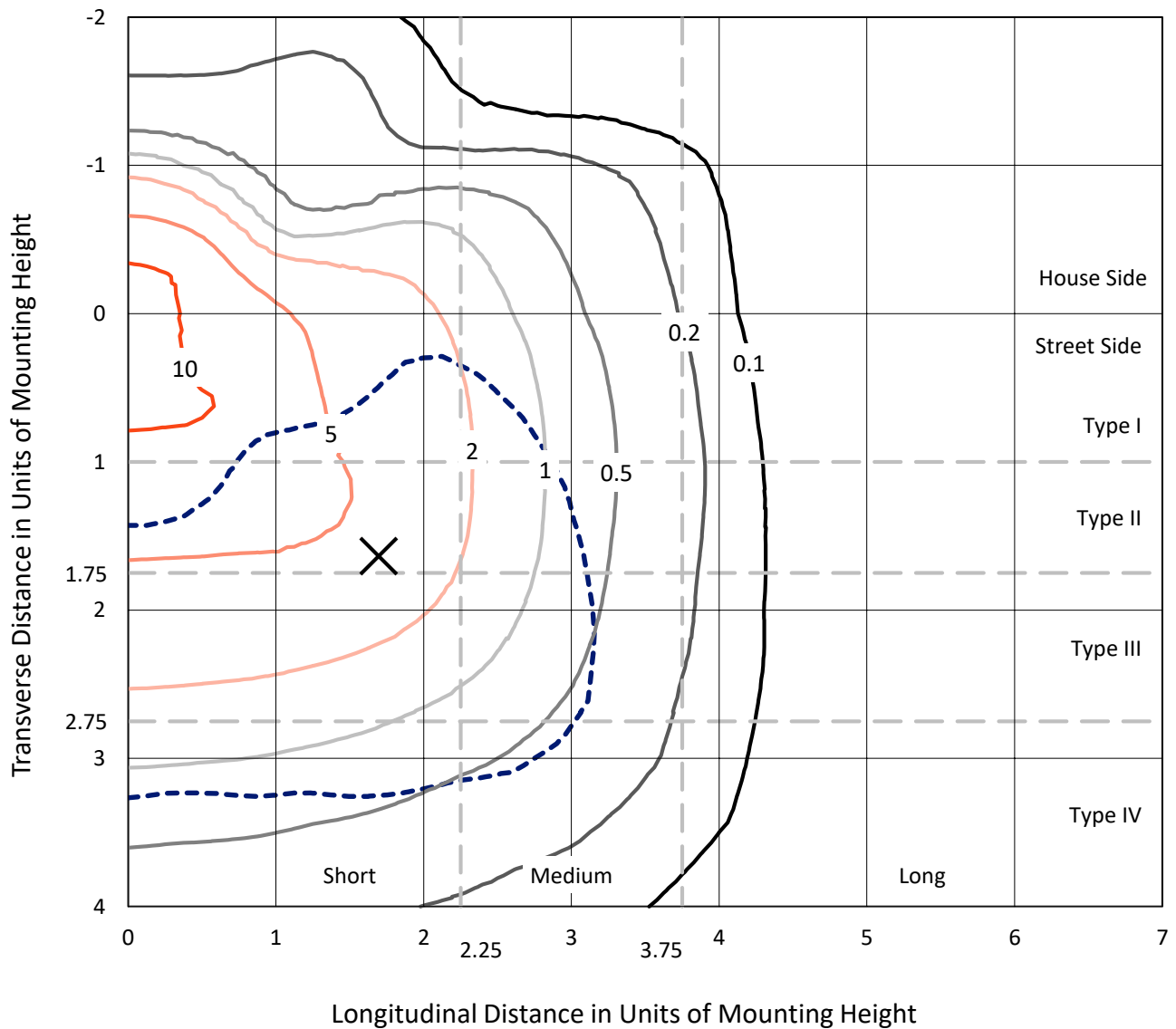
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

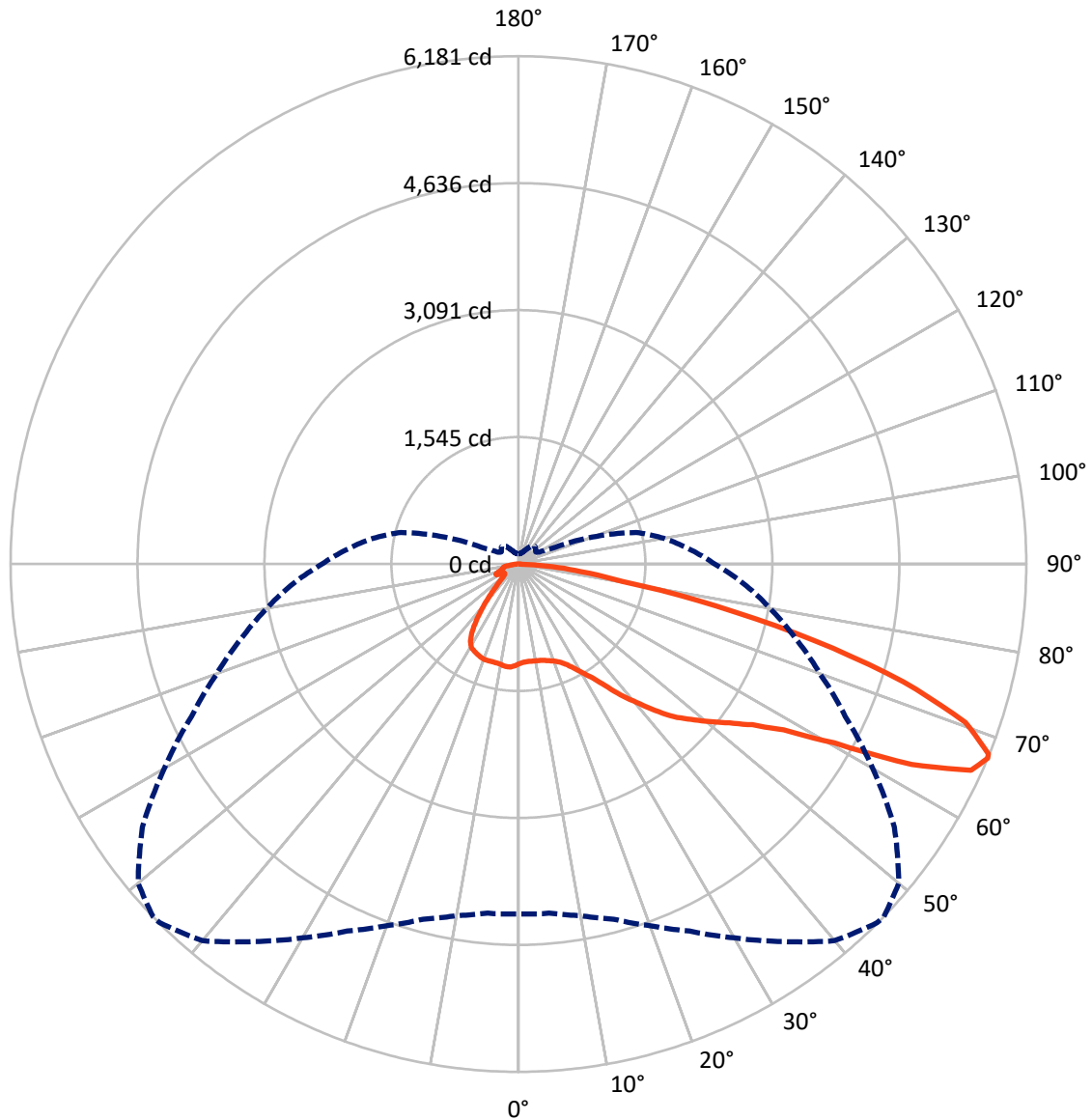


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1759.2 | 0.0 | 1759.2 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 7093.3 | 0.0 | 7093.3 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 8852.5 | 0.0 | 8852.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 116.7 | 1.3 |
| 10°-20° | 348.4 | 3.9 |
| 20°-30° | 585.8 | 6.6 |
| 30°-40° | 876.1 | 9.9 |
| 40°-50° | 1141.1 | 12.9 |
| 50°-60° | 1562.8 | 17.7 |
| 60°-70° | 2470.6 | 27.9 |
| 70°-80° | 1532.5 | 17.3 |
| 80°-90° | 218.4 | 2.5 |
| 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° | 8852.5 | 100.0 |
| 0°-180° | 8852.5 | 100.0 |



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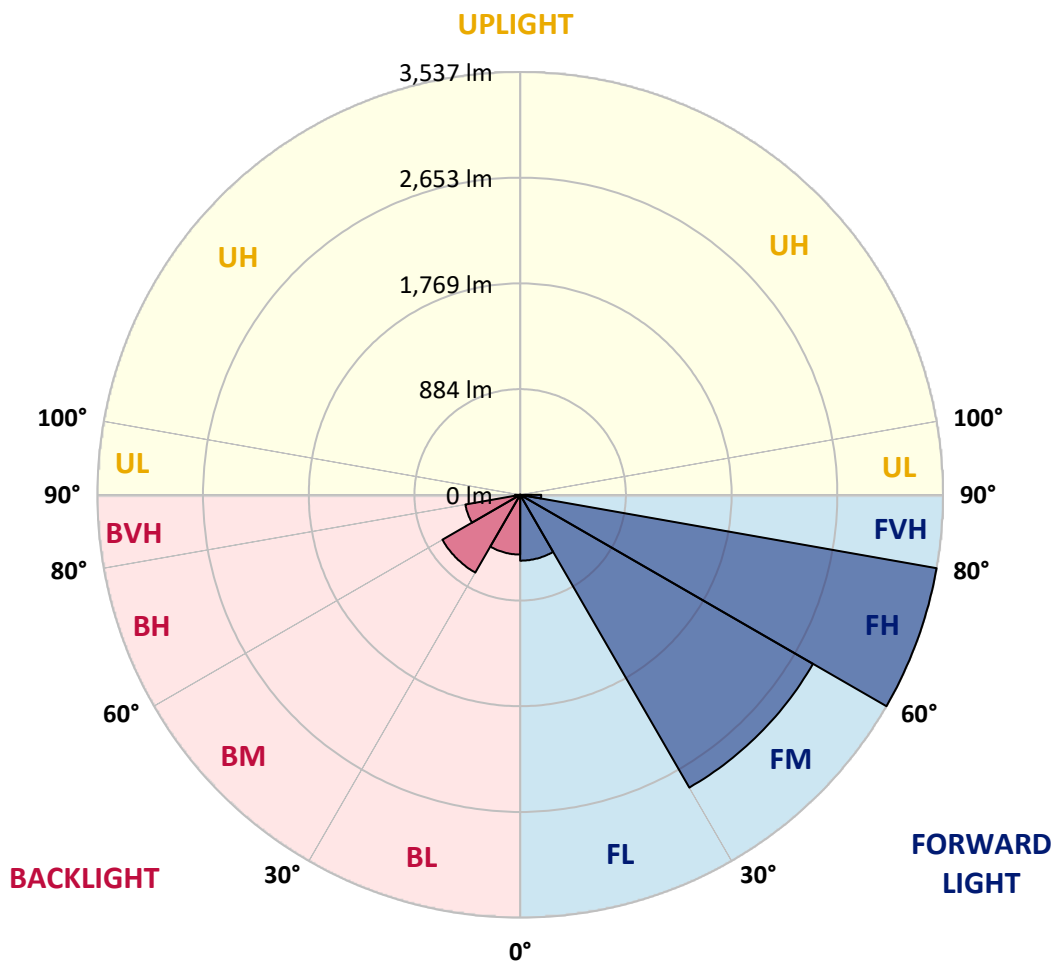
CATALOG NUMBER: CEM-E03-LED-E-U-T4-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 551.3 | 6.2 | | | |
| FM | (30°-60°) | 2828.7 | 32.0 | | | |
| FH | (60°-80°) | 3537.5 | 40.0 | | | G2/5000 |
| FVH | (80°-90°) | 175.9 | 2.0 | | | G2/225 |
| BL | (0°-30°) | 499.7 | 5.6 | B1/500 | | |
| BM | (30°-60°) | 751.3 | 8.5 | B1/1000 | | |
| BH | (60°-80°) | 465.7 | 5.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 42.5 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 46° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 |
| 2.5° | 1186.2 | 1189.3 | 1188.2 | 1187.2 | 1188.2 | 1189.3 | 1190.3 | 1193.4 | 1194.4 | 1195.4 | 1195.4 | 1196.4 |
| 5° | 1164.6 | 1167.7 | 1166.7 | 1168.7 | 1169.8 | 1173.9 | 1176.9 | 1182.1 | 1185.2 | 1189.3 | 1189.3 | 1191.3 |
| 7.5° | 1158.5 | 1160.5 | 1160.5 | 1162.6 | 1163.6 | 1167.7 | 1172.8 | 1179.0 | 1185.2 | 1191.3 | 1191.3 | 1193.4 |
| 10° | 1174.9 | 1175.9 | 1175.9 | 1174.9 | 1175.9 | 1178.0 | 1180.0 | 1185.2 | 1190.3 | 1195.4 | 1195.4 | 1197.5 |
| 12.5° | 1213.9 | 1210.8 | 1209.8 | 1206.7 | 1207.7 | 1203.6 | 1203.6 | 1202.6 | 1202.6 | 1203.6 | 1203.6 | 1203.6 |
| 15° | 1254.9 | 1252.9 | 1250.8 | 1245.7 | 1245.7 | 1239.5 | 1237.5 | 1233.4 | 1223.1 | 1219.0 | 1219.0 | 1218.0 |
| 17.5° | 1291.9 | 1289.8 | 1285.7 | 1281.6 | 1279.6 | 1271.3 | 1269.3 | 1262.1 | 1249.8 | 1240.6 | 1240.6 | 1237.5 |
| 20° | 1336.0 | 1330.9 | 1321.6 | 1319.6 | 1314.4 | 1305.2 | 1302.1 | 1292.9 | 1276.5 | 1263.1 | 1263.1 | 1262.1 |
| 22.5° | 1403.7 | 1395.5 | 1386.3 | 1379.1 | 1365.7 | 1356.5 | 1348.3 | 1336.0 | 1316.5 | 1301.1 | 1301.1 | 1297.0 |
| 25° | 1471.4 | 1468.4 | 1460.1 | 1449.9 | 1440.7 | 1430.4 | 1420.1 | 1401.7 | 1376.0 | 1356.5 | 1356.5 | 1352.4 |
| 27.5° | 1566.9 | 1559.7 | 1549.4 | 1533.0 | 1527.9 | 1510.4 | 1502.2 | 1486.8 | 1461.2 | 1436.5 | 1436.5 | 1432.4 |
| 30° | 1666.4 | 1659.2 | 1642.8 | 1628.4 | 1625.4 | 1606.9 | 1601.8 | 1585.3 | 1562.8 | 1538.1 | 1538.1 | 1535.1 |
| 32.5° | 1780.3 | 1773.1 | 1760.8 | 1752.6 | 1741.3 | 1731.0 | 1718.7 | 1703.3 | 1674.6 | 1654.1 | 1654.1 | 1650.0 |
| 35° | 1926.0 | 1919.8 | 1905.5 | 1911.6 | 1901.4 | 1898.3 | 1891.1 | 1865.5 | 1833.7 | 1809.0 | 1809.0 | 1813.1 |
| 37.5° | 2040.9 | 2039.9 | 2043.0 | 2039.9 | 2053.2 | 2066.6 | 2066.6 | 2068.6 | 2053.2 | 2026.6 | 2026.6 | 2021.4 |
| 40° | 2148.7 | 2147.6 | 2155.8 | 2165.1 | 2201.0 | 2222.5 | 2247.2 | 2256.4 | 2240.0 | 2219.5 | 2219.5 | 2212.3 |
| 42.5° | 2249.2 | 2247.2 | 2258.5 | 2292.3 | 2336.4 | 2376.5 | 2418.5 | 2454.4 | 2462.7 | 2440.1 | 2440.1 | 2434.9 |
| 45° | 2348.8 | 2351.8 | 2366.2 | 2404.2 | 2462.7 | 2515.0 | 2586.8 | 2628.9 | 2655.6 | 2643.2 | 2643.2 | 2651.5 |
| 47.5° | 2468.8 | 2471.9 | 2487.3 | 2532.4 | 2583.7 | 2649.4 | 2733.5 | 2805.4 | 2837.2 | 2837.2 | 2837.2 | 2826.9 |
| 50° | 2611.4 | 2625.8 | 2642.2 | 2673.0 | 2732.5 | 2797.2 | 2899.8 | 2971.6 | 3022.9 | 3020.9 | 3020.9 | 3012.6 |
| 52.5° | 2801.3 | 2804.3 | 2831.0 | 2855.7 | 2907.0 | 2972.6 | 3065.0 | 3163.5 | 3228.1 | 3222.0 | 3222.0 | 3212.7 |
| 55° | 3056.8 | 3044.5 | 3061.9 | 3085.5 | 3140.9 | 3198.4 | 3298.9 | 3412.8 | 3478.5 | 3459.0 | 3459.0 | 3452.8 |
| 57.5° | 3379.0 | 3368.7 | 3381.0 | 3409.7 | 3479.5 | 3526.7 | 3607.8 | 3712.4 | 3804.8 | 3821.2 | 3821.2 | 3806.9 |
| 60° | 3843.8 | 3843.8 | 3868.4 | 3930.0 | 4000.8 | 4071.6 | 4175.2 | 4301.4 | 4396.9 | 4420.5 | 4420.5 | 4419.4 |
| 62.5° | 4394.8 | 4429.7 | 4434.8 | 4514.9 | 4650.3 | 4772.4 | 4933.5 | 5156.2 | 5298.8 | 5400.4 | 5400.4 | 5373.7 |
| 65° | 4483.1 | 4494.3 | 4539.5 | 4663.6 | 4847.3 | 5063.8 | 5314.2 | 5606.6 | 5903.2 | 6049.9 | 6049.9 | 6054.0 |
| 67° | 4261.4 | 4265.5 | 4344.5 | 4474.8 | 4685.2 | 4929.4 | 5253.7 | 5609.7 | 5985.3 | 6175.1 | 6175.1 | 6181.3 |
| 67.5° | 4192.7 | 4184.5 | 4255.3 | 4391.7 | 4621.6 | 4896.6 | 5201.3 | 5575.9 | 5963.7 | 6166.9 | 6166.9 | 6170.0 |
| 70° | 3731.9 | 3736.0 | 3791.5 | 3943.3 | 4186.5 | 4444.1 | 4784.7 | 5169.5 | 5577.9 | 5763.6 | 5763.6 | 5772.9 |
| 72.5° | 3217.9 | 3191.2 | 3241.5 | 3403.6 | 3519.5 | 3770.9 | 4083.9 | 4374.3 | 4733.4 | 4908.9 | 4908.9 | 4904.8 |
| 75° | 2454.4 | 2380.6 | 2468.8 | 2563.2 | 2627.9 | 2877.2 | 3072.2 | 3272.3 | 3603.7 | 3737.1 | 3737.1 | 3729.9 |
| 77.5° | 1322.6 | 1319.6 | 1416.0 | 1489.9 | 1586.4 | 1811.1 | 1982.4 | 2108.6 | 2387.7 | 2453.4 | 2453.4 | 2461.6 |
| 80° | 718.3 | 745.0 | 802.4 | 884.5 | 962.5 | 1070.2 | 1169.8 | 1248.8 | 1340.1 | 1298.0 | 1298.0 | 1288.8 |
| 82.5° | 433.0 | 477.1 | 565.4 | 628.0 | 658.8 | 707.0 | 777.8 | 822.9 | 858.9 | 780.9 | 780.9 | 765.5 |
| 85° | 68.7 | 124.2 | 319.1 | 381.7 | 414.5 | 437.1 | 452.5 | 482.3 | 440.2 | 412.5 | 412.5 | 419.7 |
| 87.5° | 22.6 | 25.7 | 49.3 | 108.8 | 95.4 | 65.7 | 86.2 | 125.2 | 59.5 | 31.8 | 31.8 | 30.8 |
| 90° | 0.0 | 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: CEM-E03-LED-E-U-T4-7060

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 |
| 2.5° | 1197.5 | 1198.5 | 1201.6 | 1205.7 | 1207.7 | 1212.9 | 1212.9 | 1217.0 | 1217.0 | 1220.0 | 1223.1 |
| 5° | 1194.4 | 1199.5 | 1203.6 | 1209.8 | 1212.9 | 1220.0 | 1223.1 | 1229.3 | 1232.4 | 1236.5 | 1240.6 |
| 7.5° | 1199.5 | 1206.7 | 1211.8 | 1219.0 | 1224.1 | 1231.3 | 1234.4 | 1239.5 | 1242.6 | 1247.7 | 1249.8 |
| 10° | 1203.6 | 1210.8 | 1217.0 | 1225.2 | 1229.3 | 1234.4 | 1237.5 | 1241.6 | 1242.6 | 1245.7 | 1247.7 |
| 12.5° | 1208.8 | 1211.8 | 1217.0 | 1224.1 | 1228.2 | 1231.3 | 1234.4 | 1237.5 | 1240.6 | 1240.6 | 1240.6 |
| 15° | 1215.9 | 1212.9 | 1213.9 | 1220.0 | 1224.1 | 1226.2 | 1229.3 | 1231.3 | 1232.4 | 1232.4 | 1230.3 |
| 17.5° | 1231.3 | 1223.1 | 1218.0 | 1218.0 | 1220.0 | 1222.1 | 1222.1 | 1219.0 | 1217.0 | 1213.9 | 1209.8 |
| 20° | 1253.9 | 1240.6 | 1230.3 | 1225.2 | 1221.1 | 1215.9 | 1207.7 | 1197.5 | 1188.2 | 1180.0 | 1174.9 |
| 22.5° | 1285.7 | 1272.4 | 1260.1 | 1248.8 | 1235.4 | 1218.0 | 1200.5 | 1179.0 | 1161.6 | 1148.2 | 1143.1 |
| 25° | 1345.2 | 1325.7 | 1316.5 | 1299.0 | 1278.5 | 1250.8 | 1224.1 | 1194.4 | 1173.9 | 1155.4 | 1147.2 |
| 27.5° | 1425.3 | 1409.9 | 1389.3 | 1380.1 | 1353.4 | 1321.6 | 1291.9 | 1256.0 | 1227.2 | 1204.6 | 1189.3 |
| 30° | 1526.8 | 1516.6 | 1499.1 | 1483.7 | 1458.1 | 1429.4 | 1385.2 | 1345.2 | 1294.9 | 1254.9 | 1232.4 |
| 32.5° | 1643.8 | 1628.4 | 1613.0 | 1593.5 | 1575.1 | 1537.1 | 1496.1 | 1435.5 | 1365.7 | 1297.0 | 1254.9 |
| 35° | 1790.6 | 1775.2 | 1764.9 | 1734.1 | 1703.3 | 1662.3 | 1606.9 | 1535.1 | 1437.6 | 1345.2 | 1273.4 |
| 37.5° | 1992.7 | 1959.9 | 1909.6 | 1865.5 | 1810.0 | 1747.5 | 1684.9 | 1598.7 | 1489.9 | 1369.9 | 1271.3 |
| 40° | 2168.2 | 2119.9 | 2063.5 | 1987.6 | 1909.6 | 1827.5 | 1753.6 | 1660.2 | 1533.0 | 1390.4 | 1257.0 |
| 42.5° | 2396.0 | 2312.8 | 2217.4 | 2116.9 | 2010.1 | 1911.6 | 1820.3 | 1713.6 | 1564.8 | 1391.4 | 1223.1 |
| 45° | 2601.2 | 2498.6 | 2372.4 | 2235.9 | 2105.6 | 1985.5 | 1880.9 | 1762.8 | 1591.5 | 1387.3 | 1184.1 |
| 47.5° | 2783.8 | 2663.8 | 2509.9 | 2345.7 | 2191.8 | 2056.3 | 1941.4 | 1817.2 | 1626.4 | 1400.6 | 1169.8 |
| 50° | 2960.3 | 2822.8 | 2649.4 | 2450.3 | 2279.0 | 2131.2 | 2011.2 | 1877.8 | 1684.9 | 1445.8 | 1192.3 |
| 52.5° | 3149.1 | 2981.9 | 2785.9 | 2561.2 | 2374.4 | 2221.5 | 2087.1 | 1950.6 | 1754.6 | 1506.3 | 1233.4 |
| 55° | 3380.0 | 3190.2 | 2966.5 | 2718.2 | 2503.7 | 2333.4 | 2181.5 | 2037.8 | 1837.8 | 1581.2 | 1281.6 |
| 57.5° | 3687.8 | 3495.9 | 3238.4 | 2952.1 | 2727.4 | 2525.2 | 2342.6 | 2180.5 | 1964.0 | 1684.9 | 1353.4 |
| 60° | 4280.9 | 4043.9 | 3701.2 | 3390.3 | 3147.1 | 2909.0 | 2688.4 | 2466.8 | 2206.1 | 1894.2 | 1538.1 |
| 62.5° | 5233.1 | 4902.7 | 4477.9 | 4044.9 | 3716.6 | 3401.5 | 3110.1 | 2821.8 | 2496.5 | 2146.6 | 1757.7 |
| 65° | 5891.9 | 5483.5 | 4949.9 | 4407.1 | 3962.8 | 3578.0 | 3230.2 | 2887.5 | 2525.2 | 2191.8 | 1853.1 |
| 67° | 6042.7 | 5586.1 | 4978.7 | 4389.7 | 3906.4 | 3488.8 | 3110.1 | 2753.0 | 2388.8 | 2086.1 | 1796.7 |
| 67.5° | 6036.6 | 5581.0 | 4956.1 | 4352.7 | 3868.4 | 3456.9 | 3075.2 | 2699.7 | 2341.6 | 2045.0 | 1769.0 |
| 70° | 5671.3 | 5213.6 | 4585.7 | 3985.4 | 3518.5 | 3109.1 | 2724.3 | 2397.0 | 2031.7 | 1791.6 | 1584.3 |
| 72.5° | 4805.3 | 4407.1 | 3900.2 | 3360.5 | 2960.3 | 2594.0 | 2286.2 | 1965.0 | 1647.9 | 1487.9 | 1324.7 |
| 75° | 3654.0 | 3301.0 | 2836.2 | 2441.1 | 2136.4 | 1881.9 | 1573.0 | 1361.6 | 1139.0 | 1029.2 | 970.7 |
| 77.5° | 2414.4 | 2009.1 | 1687.9 | 1311.4 | 1087.7 | 887.6 | 699.8 | 555.1 | 463.8 | 487.4 | 532.5 |
| 80° | 1277.5 | 1013.8 | 750.1 | 580.8 | 448.4 | 348.9 | 277.0 | 207.3 | 150.8 | 176.5 | 221.6 |
| 82.5° | 695.7 | 593.1 | 438.1 | 348.9 | 285.3 | 236.0 | 181.6 | 127.2 | 94.4 | 104.7 | 150.8 |
| 85° | 397.1 | 348.9 | 270.9 | 211.4 | 184.7 | 150.8 | 103.6 | 69.8 | 67.7 | 72.9 | 93.4 |
| 87.5° | 65.7 | 88.2 | 71.8 | 49.3 | 55.4 | 54.4 | 48.2 | 36.9 | 27.7 | 39.0 | 50.3 |
| 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: CEM-E03-LED-E-U-T4-7060

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 | 1212.9 |
| 2.5° | 1225.2 | 1228.2 | 1232.4 | 1233.4 | 1232.4 | 1235.4 | 1240.6 | 1244.7 | 1241.6 | 1239.5 | 1244.7 |
| 5° | 1244.7 | 1246.7 | 1251.8 | 1251.8 | 1252.9 | 1254.9 | 1258.0 | 1261.1 | 1257.0 | 1257.0 | 1259.0 |
| 7.5° | 1252.9 | 1252.9 | 1258.0 | 1256.0 | 1256.0 | 1254.9 | 1258.0 | 1259.0 | 1252.9 | 1251.8 | 1252.9 |
| 10° | 1247.7 | 1247.7 | 1249.8 | 1245.7 | 1244.7 | 1243.6 | 1243.6 | 1244.7 | 1238.5 | 1236.5 | 1239.5 |
| 12.5° | 1240.6 | 1240.6 | 1238.5 | 1236.5 | 1234.4 | 1232.4 | 1234.4 | 1235.4 | 1231.3 | 1231.3 | 1232.4 |
| 15° | 1228.2 | 1225.2 | 1224.1 | 1224.1 | 1225.2 | 1226.2 | 1230.3 | 1233.4 | 1230.3 | 1228.2 | 1228.2 |
| 17.5° | 1207.7 | 1205.7 | 1208.8 | 1214.9 | 1222.1 | 1227.2 | 1233.4 | 1235.4 | 1228.2 | 1220.0 | 1213.9 |
| 20° | 1176.9 | 1182.1 | 1193.4 | 1210.8 | 1226.2 | 1234.4 | 1234.4 | 1227.2 | 1210.8 | 1194.4 | 1186.2 |
| 22.5° | 1145.1 | 1159.5 | 1184.1 | 1210.8 | 1229.3 | 1232.4 | 1221.1 | 1205.7 | 1183.1 | 1165.7 | 1150.3 |
| 25° | 1149.2 | 1166.7 | 1191.3 | 1213.9 | 1226.2 | 1221.1 | 1200.5 | 1181.0 | 1154.4 | 1135.9 | 1113.3 |
| 27.5° | 1192.3 | 1208.8 | 1221.1 | 1228.2 | 1224.1 | 1207.7 | 1184.1 | 1157.4 | 1127.7 | 1102.0 | 1075.4 |
| 30° | 1227.2 | 1234.4 | 1233.4 | 1227.2 | 1211.8 | 1186.2 | 1158.5 | 1126.7 | 1090.8 | 1063.0 | 1028.2 |
| 32.5° | 1233.4 | 1220.0 | 1199.5 | 1176.9 | 1156.4 | 1127.7 | 1095.9 | 1058.9 | 1018.9 | 983.0 | 948.1 |
| 35° | 1222.1 | 1171.8 | 1126.7 | 1081.5 | 1050.7 | 1014.8 | 987.1 | 944.0 | 899.9 | 869.1 | 843.5 |
| 37.5° | 1180.0 | 1092.8 | 1021.0 | 957.4 | 912.2 | 871.2 | 829.1 | 787.0 | 750.1 | 735.7 | 728.5 |
| 40° | 1126.7 | 995.3 | 885.5 | 797.3 | 749.1 | 709.0 | 665.9 | 632.1 | 614.6 | 601.3 | 596.2 |
| 42.5° | 1048.7 | 884.5 | 748.0 | 653.6 | 592.1 | 555.1 | 513.1 | 494.6 | 486.4 | 489.5 | 485.3 |
| 45° | 975.8 | 768.6 | 597.2 | 492.5 | 450.5 | 415.6 | 395.1 | 386.8 | 382.7 | 380.7 | 383.8 |
| 47.5° | 924.5 | 679.3 | 481.2 | 374.5 | 339.6 | 315.0 | 306.8 | 303.7 | 302.7 | 298.6 | 297.6 |
| 50° | 912.2 | 627.0 | 394.0 | 291.4 | 264.7 | 251.4 | 247.3 | 244.2 | 242.2 | 239.1 | 231.9 |
| 52.5° | 926.6 | 612.6 | 350.9 | 250.4 | 227.8 | 217.5 | 214.5 | 209.3 | 207.3 | 199.1 | 189.8 |
| 55° | 951.2 | 617.7 | 337.6 | 239.1 | 216.5 | 205.2 | 201.1 | 199.1 | 191.9 | 182.6 | 171.4 |
| 57.5° | 1002.5 | 649.5 | 343.7 | 242.2 | 218.6 | 208.3 | 206.2 | 204.2 | 195.0 | 181.6 | 167.3 |
| 60° | 1151.3 | 741.9 | 375.6 | 263.7 | 235.0 | 227.8 | 228.8 | 224.7 | 211.4 | 193.9 | 172.4 |
| 62.5° | 1381.1 | 885.5 | 434.0 | 290.4 | 261.7 | 261.7 | 267.8 | 264.7 | 244.2 | 215.5 | 184.7 |
| 65° | 1500.2 | 971.7 | 458.7 | 298.6 | 269.9 | 283.2 | 302.7 | 299.6 | 269.9 | 226.8 | 185.7 |
| 67° | 1481.7 | 955.3 | 444.3 | 286.3 | 254.5 | 271.9 | 291.4 | 292.4 | 259.6 | 216.5 | 177.5 |
| 67.5° | 1464.3 | 944.0 | 437.1 | 281.2 | 250.4 | 267.8 | 286.3 | 283.2 | 255.5 | 212.4 | 175.5 |
| 70° | 1315.5 | 829.1 | 389.9 | 262.7 | 231.9 | 237.0 | 242.2 | 238.1 | 216.5 | 187.8 | 162.1 |
| 72.5° | 1135.9 | 688.5 | 343.7 | 251.4 | 221.6 | 213.4 | 213.4 | 206.2 | 191.9 | 172.4 | 153.9 |
| 75° | 866.0 | 535.6 | 301.7 | 239.1 | 209.3 | 197.0 | 195.0 | 189.8 | 177.5 | 163.2 | 146.7 |
| 77.5° | 528.4 | 383.8 | 261.7 | 220.6 | 193.9 | 183.7 | 184.7 | 181.6 | 169.3 | 156.0 | 140.6 |
| 80° | 264.7 | 248.3 | 219.6 | 191.9 | 175.5 | 165.2 | 166.2 | 160.1 | 149.8 | 139.6 | 127.2 |
| 82.5° | 162.1 | 171.4 | 153.9 | 145.7 | 135.4 | 124.2 | 96.5 | 112.9 | 109.8 | 100.6 | 95.4 |
| 85° | 107.7 | 106.7 | 96.5 | 85.2 | 78.0 | 67.7 | 60.5 | 61.6 | 67.7 | 69.8 | 69.8 |
| 87.5° | 52.3 | 50.3 | 46.2 | 43.1 | 41.0 | 33.9 | 31.8 | 35.9 | 35.9 | 38.0 | 36.9 |
| 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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| 52.5° | 183.7 | 176.5 | 171.4 | 168.3 | 167.3 |
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| 57.5° | 156.0 | 146.7 | 140.6 | 137.5 | 136.5 |
| 60° | 157.0 | 144.7 | 136.5 | 131.3 | 130.3 |
| 62.5° | 161.1 | 144.7 | 133.4 | 128.3 | 126.2 |
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