

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: P141857

Luminaire Tested: **MEM-F04-LED-E-U-T2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141857
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33682)
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-T2-7060
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (28) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9989 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

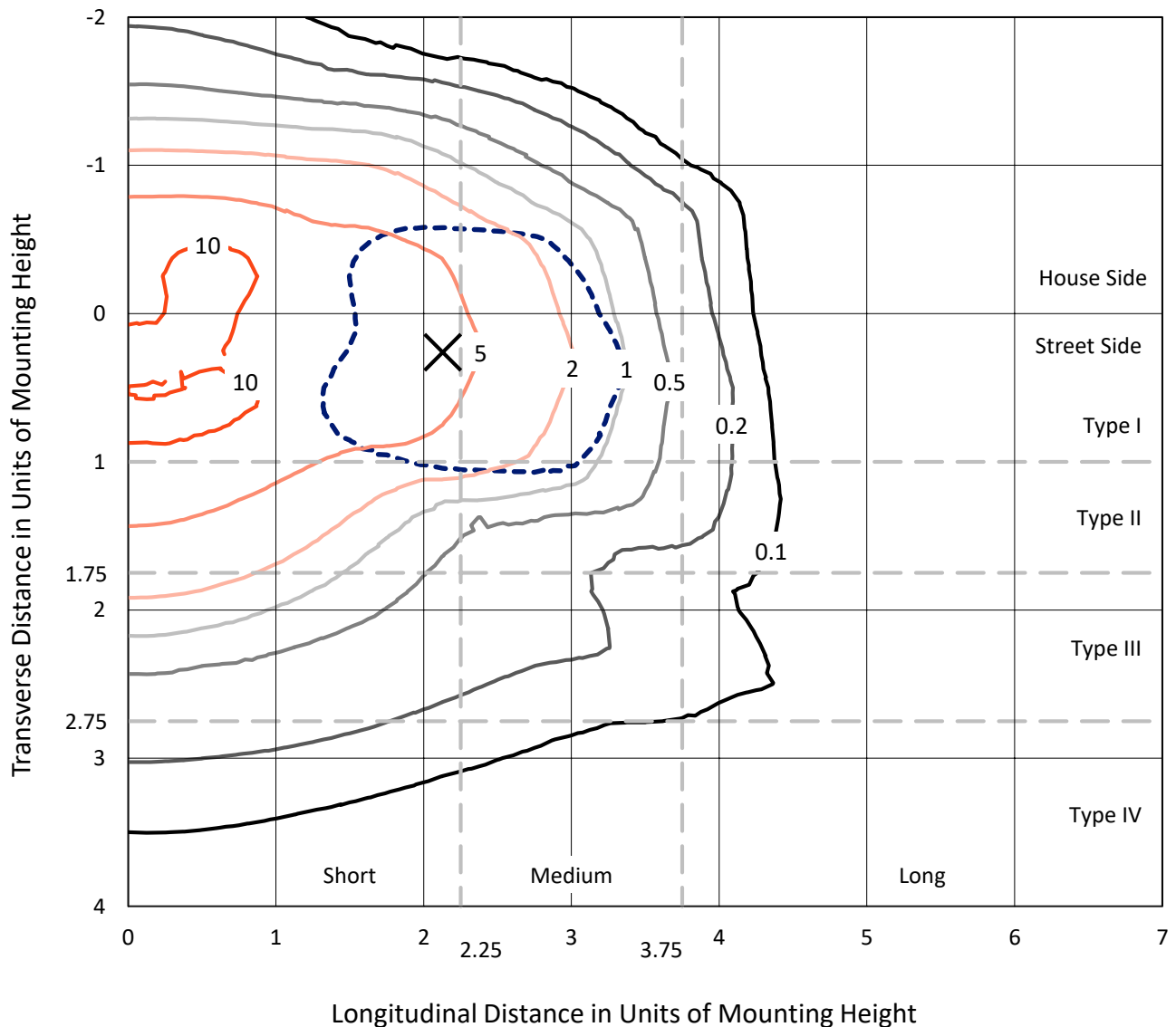
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

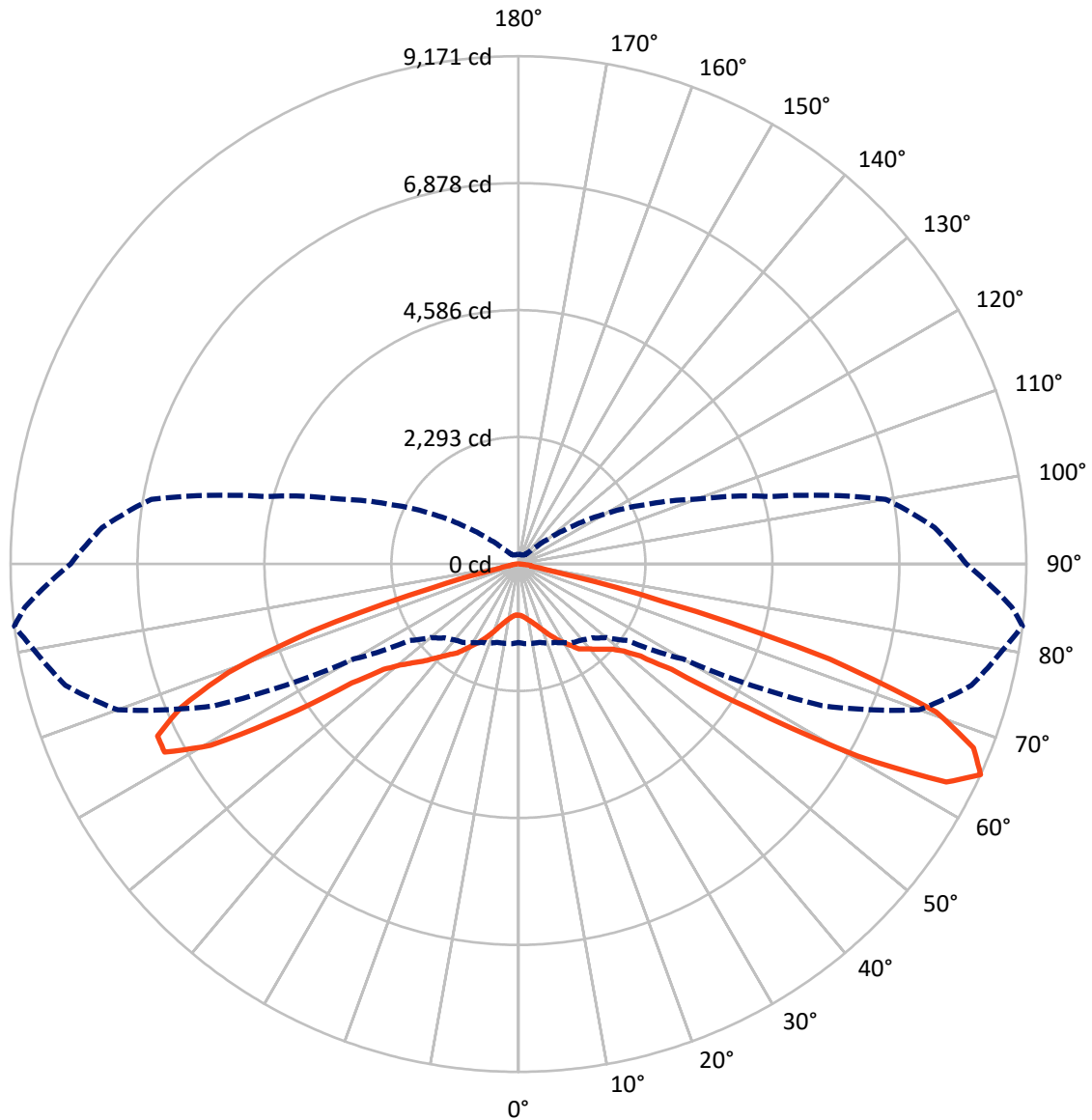


Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3705.2 | 0.0 | 3705.2 |
| | % Fixture | 37.1 | 0.0 | 37.1 |
| Street Side | Lumens | 6283.8 | 0.0 | 6283.8 |
| | % Fixture | 62.9 | 0.0 | 62.9 |
| Total | Lumens | 9989.0 | 0.0 | 9989.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 93.1 | 0.9 |
| 10°-20° | 326.0 | 3.3 |
| 20°-30° | 644.1 | 6.4 |
| 30°-40° | 1108.5 | 11.1 |
| 40°-50° | 1672.4 | 16.7 |
| 50°-60° | 2327.3 | 23.3 |
| 60°-70° | 2686.3 | 26.9 |
| 70°-80° | 976.3 | 9.8 |
| 80°-90° | 155.0 | 1.6 |
| 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° | 9989.0 | 100.0 |
| 0°-180° | 9989.0 | 100.0 |

Coefficient of Utilization



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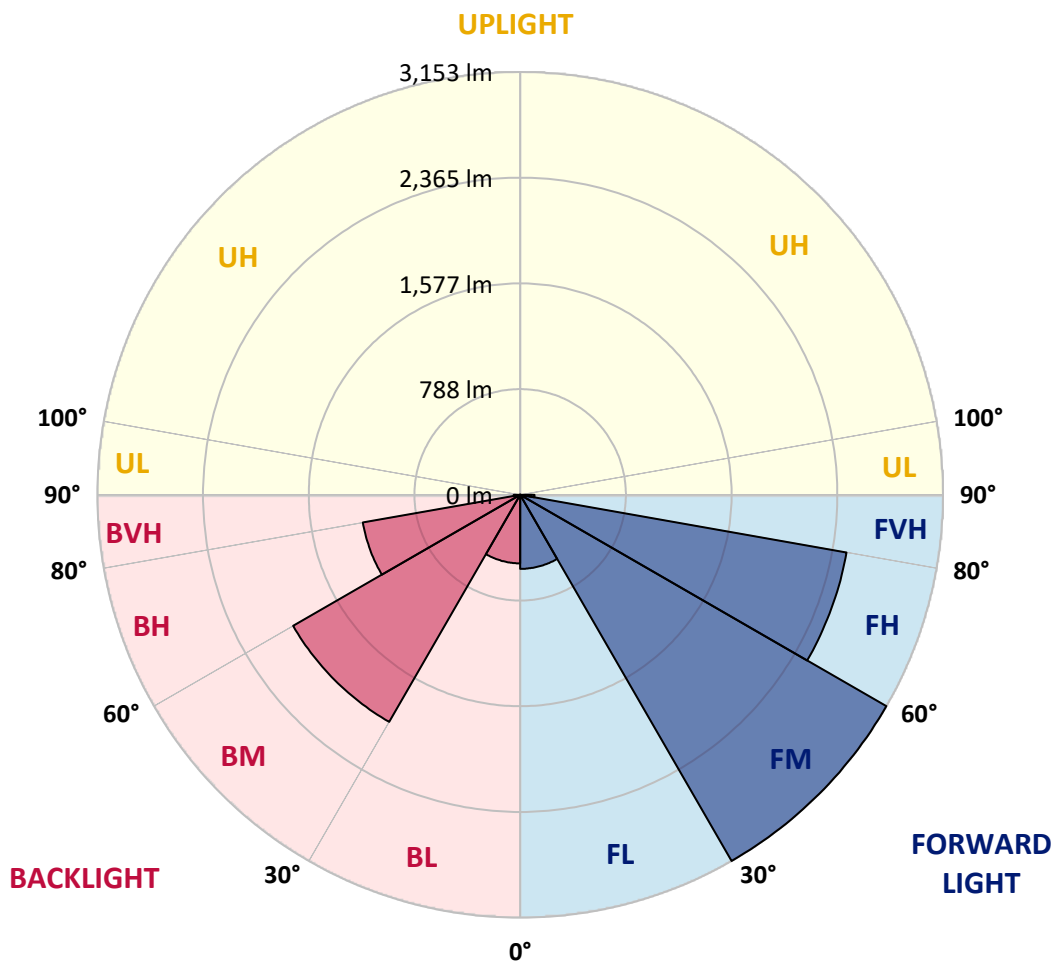
CATALOG NUMBER: MEM-F04-LED-E-U-T2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 552.2 | 5.5 | | | |
| FM (30°-60°) | 3153.3 | 31.6 | | | |
| FH (60°-80°) | 2471.2 | 24.7 | | | G2/5000 |
| FVH (80°-90°) | 107.1 | 1.1 | | | G2/225 |
| BL (0°-30°) | 511.0 | 5.1 | B2/1000 | | |
| BM (30°-60°) | 1955.0 | 19.6 | B2/2500 | | |
| BH (60°-80°) | 1191.3 | 11.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 47.9 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 |
| 2.5° | 970.2 | 972.4 | 970.2 | 970.2 | 969.1 | 967.9 | 967.9 | 966.8 | 964.5 | 962.3 | 961.1 |
| 5° | 1023.3 | 1024.4 | 1021.0 | 1021.0 | 1022.1 | 1021.0 | 1017.6 | 1018.7 | 1009.7 | 1006.3 | 1004.1 |
| 7.5° | 1082.0 | 1085.4 | 1080.9 | 1078.6 | 1077.5 | 1075.2 | 1071.8 | 1066.2 | 1059.4 | 1053.8 | 1050.4 |
| 10° | 1148.6 | 1152.0 | 1149.8 | 1145.2 | 1138.5 | 1135.1 | 1131.7 | 1122.7 | 1114.8 | 1105.7 | 1098.9 |
| 12.5° | 1227.7 | 1228.8 | 1226.6 | 1217.5 | 1213.0 | 1202.8 | 1191.6 | 1181.4 | 1170.1 | 1156.5 | 1145.2 |
| 15° | 1305.6 | 1306.8 | 1303.4 | 1294.3 | 1288.7 | 1276.3 | 1260.4 | 1246.9 | 1227.7 | 1211.9 | 1197.2 |
| 17.5° | 1365.5 | 1367.7 | 1361.0 | 1354.2 | 1346.3 | 1330.5 | 1315.8 | 1300.0 | 1279.6 | 1262.7 | 1248.0 |
| 20° | 1385.8 | 1389.2 | 1384.7 | 1381.3 | 1376.8 | 1368.9 | 1354.2 | 1340.6 | 1322.6 | 1310.1 | 1298.8 |
| 22.5° | 1376.8 | 1380.2 | 1377.9 | 1377.9 | 1377.9 | 1376.8 | 1370.0 | 1366.6 | 1355.3 | 1349.7 | 1347.4 |
| 25° | 1363.2 | 1366.6 | 1364.4 | 1366.6 | 1371.1 | 1376.8 | 1376.8 | 1383.6 | 1382.4 | 1391.5 | 1397.1 |
| 27.5° | 1398.2 | 1400.5 | 1394.9 | 1394.9 | 1399.4 | 1408.4 | 1406.1 | 1419.7 | 1422.0 | 1440.0 | 1457.0 |
| 30° | 1520.2 | 1520.2 | 1511.2 | 1502.1 | 1505.5 | 1503.3 | 1501.0 | 1510.1 | 1510.1 | 1527.0 | 1534.9 |
| 32.5° | 1702.1 | 1689.6 | 1688.5 | 1687.4 | 1679.5 | 1685.1 | 1667.0 | 1668.2 | 1660.3 | 1662.5 | 1659.1 |
| 35° | 1902.0 | 1900.8 | 1896.3 | 1894.1 | 1890.7 | 1907.6 | 1894.1 | 1905.4 | 1877.1 | 1867.0 | 1847.8 |
| 37.5° | 2077.0 | 2081.5 | 2084.9 | 2101.9 | 2109.8 | 2143.7 | 2151.6 | 2157.2 | 2127.9 | 2129.0 | 2086.1 |
| 40° | 2253.2 | 2258.9 | 2271.3 | 2301.8 | 2324.4 | 2356.0 | 2370.7 | 2394.4 | 2396.7 | 2401.2 | 2369.6 |
| 42.5° | 2445.2 | 2436.2 | 2453.1 | 2491.5 | 2519.8 | 2551.4 | 2570.6 | 2614.6 | 2639.5 | 2651.9 | 2656.4 |
| 45° | 2600.0 | 2589.8 | 2597.7 | 2620.3 | 2646.3 | 2686.9 | 2728.7 | 2794.2 | 2847.3 | 2904.9 | 2936.5 |
| 47.5° | 2680.1 | 2682.4 | 2688.1 | 2701.6 | 2719.7 | 2759.2 | 2817.9 | 2901.5 | 2987.4 | 3080.0 | 3162.4 |
| 50° | 2706.1 | 2707.3 | 2715.2 | 2728.7 | 2745.7 | 2787.4 | 2848.4 | 2943.3 | 3047.2 | 3177.1 | 3303.6 |
| 52.5° | 2714.0 | 2709.5 | 2717.4 | 2724.2 | 2735.5 | 2770.5 | 2828.1 | 2927.5 | 3045.0 | 3201.9 | 3389.4 |
| 55° | 2684.7 | 2679.0 | 2692.6 | 2701.6 | 2710.6 | 2738.9 | 2782.9 | 2874.4 | 2996.4 | 3174.8 | 3419.9 |
| 57.5° | 2571.7 | 2572.9 | 2592.1 | 2615.8 | 2639.5 | 2677.9 | 2735.5 | 2822.5 | 2943.3 | 3119.5 | 3393.9 |
| 60° | 2380.8 | 2377.5 | 2401.2 | 2430.5 | 2471.2 | 2532.2 | 2603.3 | 2691.4 | 2792.0 | 2938.8 | 3208.7 |
| 62.5° | 2034.1 | 2047.7 | 2055.6 | 2099.6 | 2101.9 | 2188.8 | 2235.2 | 2323.2 | 2409.1 | 2522.0 | 2764.9 |
| 65° | 1416.3 | 1445.7 | 1453.6 | 1464.9 | 1518.0 | 1563.1 | 1637.7 | 1730.3 | 1786.8 | 1886.2 | 2066.9 |
| 67.5° | 882.1 | 903.5 | 904.7 | 934.0 | 980.3 | 1032.3 | 1089.9 | 1183.6 | 1269.5 | 1285.3 | 1375.7 |
| 70° | 731.9 | 733.0 | 748.8 | 770.3 | 806.4 | 859.5 | 916.0 | 981.5 | 1059.4 | 1109.1 | 1100.1 |
| 72.5° | 606.5 | 613.3 | 624.6 | 646.0 | 685.6 | 733.0 | 805.3 | 888.9 | 986.0 | 1085.4 | 1173.5 |
| 75° | 406.6 | 417.9 | 421.3 | 431.4 | 450.6 | 493.6 | 547.8 | 626.8 | 752.2 | 900.2 | 1087.6 |
| 77.5° | 215.7 | 218.0 | 225.9 | 233.8 | 244.0 | 269.9 | 304.9 | 345.6 | 428.1 | 555.7 | 775.9 |
| 80° | 109.6 | 114.1 | 119.7 | 125.4 | 124.2 | 131.0 | 141.2 | 159.3 | 187.5 | 244.0 | 351.3 |
| 82.5° | 39.5 | 50.8 | 66.6 | 74.5 | 74.5 | 76.8 | 80.2 | 83.6 | 81.3 | 90.4 | 112.9 |
| 85° | 18.1 | 20.3 | 26.0 | 40.7 | 41.8 | 41.8 | 41.8 | 44.0 | 41.8 | 37.3 | 44.0 |
| 87.5° | 0.0 | 3.4 | 3.4 | 10.2 | 11.3 | 10.2 | 11.3 | 14.7 | 11.3 | 9.0 | 7.9 |
| 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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CATALOG NUMBER: MEM-F04-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 83° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 |
| 2.5° | 955.5 | 953.2 | 947.6 | 945.3 | 938.6 | 934.0 | 931.8 | 929.5 | 926.1 | 921.6 | 918.2 |
| 5° | 997.3 | 990.5 | 982.6 | 978.1 | 969.1 | 960.0 | 956.6 | 952.1 | 944.2 | 937.4 | 929.5 |
| 7.5° | 1041.3 | 1033.4 | 1024.4 | 1014.2 | 1005.2 | 995.0 | 990.5 | 986.0 | 974.7 | 965.7 | 954.4 |
| 10° | 1088.8 | 1077.5 | 1067.3 | 1058.3 | 1050.4 | 1039.1 | 1031.2 | 1027.8 | 1017.6 | 1004.1 | 992.8 |
| 12.5° | 1134.0 | 1121.5 | 1111.4 | 1100.1 | 1092.2 | 1083.1 | 1075.2 | 1071.8 | 1063.9 | 1051.5 | 1042.5 |
| 15° | 1181.4 | 1169.0 | 1157.7 | 1149.8 | 1140.7 | 1135.1 | 1130.6 | 1124.9 | 1121.5 | 1111.4 | 1106.8 |
| 17.5° | 1232.2 | 1220.9 | 1210.8 | 1204.0 | 1200.6 | 1199.5 | 1198.3 | 1196.1 | 1192.7 | 1185.9 | 1182.5 |
| 20° | 1289.8 | 1279.6 | 1276.3 | 1275.1 | 1276.3 | 1277.4 | 1279.6 | 1279.6 | 1280.8 | 1276.3 | 1275.1 |
| 22.5° | 1345.2 | 1345.2 | 1350.8 | 1357.6 | 1364.4 | 1368.9 | 1372.3 | 1367.7 | 1368.9 | 1375.7 | 1381.3 |
| 25° | 1406.1 | 1416.3 | 1431.0 | 1442.3 | 1452.5 | 1460.4 | 1464.9 | 1467.1 | 1469.4 | 1479.6 | 1489.7 |
| 27.5° | 1471.7 | 1487.5 | 1508.9 | 1523.6 | 1542.8 | 1555.2 | 1564.3 | 1563.1 | 1566.5 | 1580.1 | 1598.1 |
| 30° | 1553.0 | 1568.8 | 1591.4 | 1611.7 | 1637.7 | 1655.8 | 1659.1 | 1656.9 | 1661.4 | 1673.8 | 1710.0 |
| 32.5° | 1667.0 | 1670.4 | 1685.1 | 1705.4 | 1733.7 | 1751.8 | 1755.1 | 1760.8 | 1771.0 | 1793.5 | 1837.6 |
| 35° | 1827.4 | 1812.7 | 1811.6 | 1820.6 | 1847.8 | 1882.8 | 1886.2 | 1889.5 | 1894.1 | 1923.4 | 1982.2 |
| 37.5° | 2044.3 | 1984.4 | 1948.3 | 1920.0 | 1923.4 | 1935.9 | 1942.6 | 1944.9 | 1956.2 | 2001.4 | 2100.7 |
| 40° | 2316.5 | 2204.7 | 2124.5 | 2044.3 | 2014.9 | 2017.2 | 2019.4 | 2017.2 | 2039.8 | 2109.8 | 2239.7 |
| 42.5° | 2614.6 | 2516.4 | 2376.3 | 2210.3 | 2126.7 | 2099.6 | 2103.0 | 2105.3 | 2140.3 | 2241.9 | 2386.5 |
| 45° | 2930.9 | 2867.6 | 2705.0 | 2445.2 | 2265.6 | 2196.7 | 2194.5 | 2199.0 | 2256.6 | 2400.0 | 2552.5 |
| 47.5° | 3208.7 | 3224.5 | 3104.8 | 2799.9 | 2491.5 | 2316.5 | 2301.8 | 2309.7 | 2403.4 | 2557.0 | 2711.8 |
| 50° | 3429.0 | 3532.9 | 3523.8 | 3282.1 | 2857.5 | 2523.2 | 2471.2 | 2482.5 | 2593.2 | 2752.4 | 2891.4 |
| 52.5° | 3595.0 | 3806.2 | 3941.7 | 3845.7 | 3476.4 | 2898.1 | 2763.7 | 2744.5 | 2883.4 | 3051.7 | 3137.6 |
| 55° | 3705.7 | 4047.9 | 4403.7 | 4569.7 | 4419.5 | 3707.9 | 3356.7 | 3314.9 | 3465.1 | 3679.7 | 3717.0 |
| 57.5° | 3779.1 | 4341.5 | 5107.3 | 5748.8 | 5953.2 | 5343.4 | 4902.9 | 4727.8 | 4837.4 | 5064.4 | 5015.8 |
| 60° | 3657.1 | 4457.9 | 5956.6 | 7106.4 | 7688.1 | 7536.7 | 7046.5 | 6782.3 | 6577.8 | 6560.9 | 6290.9 |
| 62.5° | 3189.5 | 4181.2 | 6301.1 | 7752.4 | 8570.1 | 8758.8 | 8671.8 | 8358.9 | 7793.1 | 7479.1 | 6869.2 |
| 65° | 2405.7 | 3425.6 | 6056.0 | 7702.7 | 8469.6 | 8887.5 | 9171.0 | 8946.2 | 8087.9 | 7544.6 | 6733.7 |
| 67.5° | 1537.2 | 2211.4 | 5037.3 | 7105.3 | 7825.8 | 8295.7 | 8862.7 | 8759.9 | 7663.2 | 6969.7 | 6087.7 |
| 70° | 1122.7 | 1225.4 | 3417.7 | 6014.2 | 6807.1 | 7220.5 | 7999.8 | 7954.6 | 6720.1 | 5940.8 | 5066.6 |
| 72.5° | 1293.2 | 913.7 | 1873.7 | 4492.9 | 5106.2 | 5431.4 | 5877.6 | 5768.0 | 4695.1 | 4154.1 | 3535.1 |
| 75° | 1458.1 | 1022.1 | 1056.0 | 2665.5 | 2853.0 | 2624.8 | 2685.8 | 2332.3 | 1819.5 | 1612.8 | 1589.1 |
| 77.5° | 1227.7 | 1281.9 | 957.8 | 1145.2 | 1054.9 | 760.1 | 569.2 | 446.1 | 349.0 | 375.0 | 416.8 |
| 80° | 713.8 | 1441.2 | 1267.2 | 596.3 | 668.6 | 532.0 | 237.2 | 196.5 | 162.6 | 164.9 | 167.2 |
| 82.5° | 220.2 | 900.2 | 1783.4 | 728.5 | 661.8 | 749.9 | 218.0 | 133.3 | 107.3 | 120.8 | 136.7 |
| 85° | 73.4 | 377.2 | 1429.9 | 764.6 | 428.1 | 399.8 | 96.0 | 65.5 | 54.2 | 75.7 | 107.3 |
| 87.5° | 18.1 | 91.5 | 265.4 | 100.5 | 63.2 | 38.4 | 32.8 | 23.7 | 26.0 | 47.4 | 66.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P141857

CATALOG NUMBER: MEM-F04-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 | 925.0 |
| 2.5° | 916.0 | 912.6 | 909.2 | 906.9 | 903.5 | 903.5 | 900.2 | 900.2 | 895.6 | 893.4 | 893.4 |
| 5° | 922.7 | 916.0 | 910.3 | 904.7 | 899.0 | 896.8 | 892.3 | 890.0 | 885.5 | 882.1 | 879.8 |
| 7.5° | 945.3 | 936.3 | 929.5 | 922.7 | 916.0 | 912.6 | 908.1 | 903.5 | 902.4 | 900.2 | 897.9 |
| 10° | 983.7 | 971.3 | 965.7 | 961.1 | 952.1 | 949.9 | 945.3 | 941.9 | 938.6 | 935.2 | 936.3 |
| 12.5° | 1033.4 | 1024.4 | 1022.1 | 1013.1 | 1010.8 | 1007.5 | 1000.7 | 998.4 | 989.4 | 982.6 | 979.2 |
| 15° | 1096.7 | 1093.3 | 1093.3 | 1088.8 | 1082.0 | 1076.4 | 1066.2 | 1060.5 | 1044.7 | 1034.6 | 1023.3 |
| 17.5° | 1180.3 | 1176.9 | 1178.0 | 1173.5 | 1165.6 | 1155.4 | 1144.1 | 1127.2 | 1103.5 | 1085.4 | 1062.8 |
| 20° | 1277.4 | 1276.3 | 1278.5 | 1275.1 | 1265.0 | 1251.4 | 1224.3 | 1199.5 | 1166.7 | 1134.0 | 1109.1 |
| 22.5° | 1385.8 | 1391.5 | 1393.7 | 1384.7 | 1373.4 | 1345.2 | 1315.8 | 1279.6 | 1235.6 | 1192.7 | 1157.7 |
| 25° | 1501.0 | 1514.6 | 1522.5 | 1510.1 | 1496.5 | 1460.4 | 1416.3 | 1367.7 | 1305.6 | 1253.7 | 1207.4 |
| 27.5° | 1614.0 | 1642.2 | 1653.5 | 1646.7 | 1625.3 | 1574.4 | 1515.7 | 1451.3 | 1375.7 | 1306.8 | 1246.9 |
| 30° | 1748.4 | 1785.6 | 1806.0 | 1795.8 | 1754.0 | 1687.4 | 1616.2 | 1529.3 | 1433.3 | 1350.8 | 1278.5 |
| 32.5° | 1889.5 | 1935.9 | 1950.5 | 1929.1 | 1868.1 | 1784.5 | 1691.9 | 1585.7 | 1477.3 | 1382.4 | 1301.1 |
| 35° | 2046.5 | 2089.5 | 2092.8 | 2051.1 | 1970.9 | 1864.7 | 1749.5 | 1621.9 | 1497.6 | 1391.5 | 1302.2 |
| 37.5° | 2183.2 | 2226.1 | 2222.7 | 2160.6 | 2063.5 | 1931.3 | 1784.5 | 1629.8 | 1485.2 | 1364.4 | 1267.2 |
| 40° | 2326.6 | 2374.1 | 2348.1 | 2267.9 | 2142.5 | 1974.3 | 1789.0 | 1602.7 | 1437.8 | 1305.6 | 1199.5 |
| 42.5° | 2478.0 | 2498.3 | 2452.0 | 2351.5 | 2190.0 | 1973.1 | 1750.6 | 1538.3 | 1363.2 | 1216.4 | 1104.6 |
| 45° | 2616.9 | 2601.1 | 2534.5 | 2400.0 | 2186.6 | 1924.6 | 1675.0 | 1458.1 | 1263.8 | 1117.0 | 1007.5 |
| 47.5° | 2741.1 | 2691.4 | 2588.7 | 2400.0 | 2133.5 | 1838.7 | 1577.8 | 1354.2 | 1161.1 | 1013.1 | 904.7 |
| 50° | 2875.5 | 2771.6 | 2611.3 | 2358.3 | 2037.5 | 1734.8 | 1475.0 | 1250.3 | 1051.5 | 900.2 | 781.6 |
| 52.5° | 3054.0 | 2867.6 | 2611.3 | 2282.6 | 1938.1 | 1629.8 | 1366.6 | 1129.4 | 923.9 | 765.8 | 648.3 |
| 55° | 3471.9 | 3068.7 | 2656.4 | 2240.8 | 1850.0 | 1519.1 | 1237.9 | 973.6 | 773.7 | 622.3 | 525.2 |
| 57.5° | 4293.0 | 3509.2 | 2883.4 | 2317.6 | 1817.3 | 1399.4 | 1071.8 | 800.8 | 611.0 | 484.5 | 403.2 |
| 60° | 4976.3 | 3864.9 | 3067.5 | 2376.3 | 1764.2 | 1244.6 | 868.5 | 613.3 | 454.0 | 358.0 | 304.9 |
| 62.5° | 5152.5 | 3869.4 | 2991.9 | 2223.9 | 1549.6 | 1013.1 | 640.4 | 422.4 | 311.7 | 259.8 | 231.5 |
| 65° | 4712.0 | 3422.2 | 2544.6 | 1813.9 | 1180.3 | 703.6 | 400.9 | 256.4 | 207.8 | 189.7 | 178.5 |
| 67.5° | 3960.9 | 2726.5 | 1886.2 | 1265.0 | 744.3 | 387.4 | 224.8 | 176.2 | 158.1 | 152.5 | 146.8 |
| 70° | 3038.2 | 1915.5 | 1227.7 | 740.9 | 389.7 | 201.0 | 160.4 | 144.6 | 136.7 | 133.3 | 128.8 |
| 72.5° | 1872.6 | 1131.7 | 667.5 | 355.8 | 194.3 | 153.6 | 143.4 | 137.8 | 127.6 | 123.1 | 118.6 |
| 75° | 795.1 | 485.7 | 276.7 | 180.7 | 155.9 | 146.8 | 138.9 | 132.1 | 124.2 | 117.5 | 112.9 |
| 77.5° | 267.7 | 185.2 | 163.8 | 158.1 | 155.9 | 146.8 | 136.7 | 127.6 | 119.7 | 111.8 | 107.3 |
| 80° | 162.6 | 148.0 | 151.3 | 150.2 | 155.9 | 145.7 | 132.1 | 122.0 | 112.9 | 105.0 | 99.4 |
| 82.5° | 141.2 | 140.0 | 143.4 | 146.8 | 154.7 | 140.0 | 124.2 | 109.6 | 98.3 | 90.4 | 84.7 |
| 85° | 122.0 | 124.2 | 126.5 | 128.8 | 133.3 | 118.6 | 100.5 | 87.0 | 77.9 | 67.8 | 63.2 |
| 87.5° | 81.3 | 88.1 | 92.6 | 93.7 | 90.4 | 56.5 | 32.8 | 38.4 | 39.5 | 33.9 | 30.5 |
| 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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| 60° | 277.8 | 263.2 | 256.4 | 249.6 | 250.7 |
| 62.5° | 216.9 | 213.5 | 211.2 | 207.8 | 208.9 |
| 65° | 175.1 | 172.8 | 173.9 | 172.8 | 173.9 |
| 67.5° | 143.4 | 144.6 | 146.8 | 146.8 | 148.0 |
| 70° | 126.5 | 127.6 | 129.9 | 129.9 | 129.9 |
| 72.5° | 117.5 | 119.7 | 122.0 | 120.8 | 120.8 |
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