

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: P142108

Luminaire Tested: **CEM-E02-LED-E-U-T4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P142108
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-E02-LED-E-U-T4-8030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4854.2 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

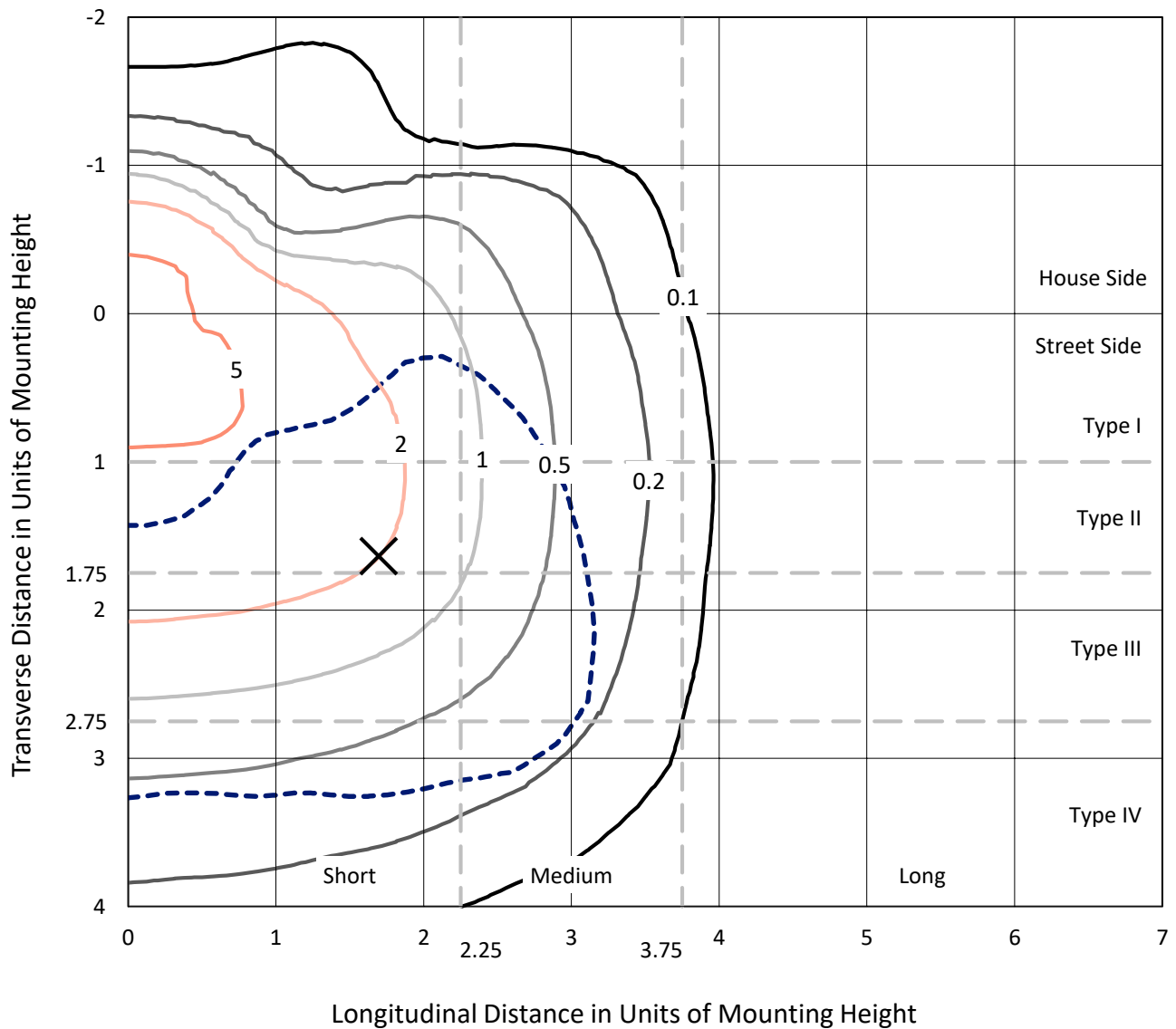
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

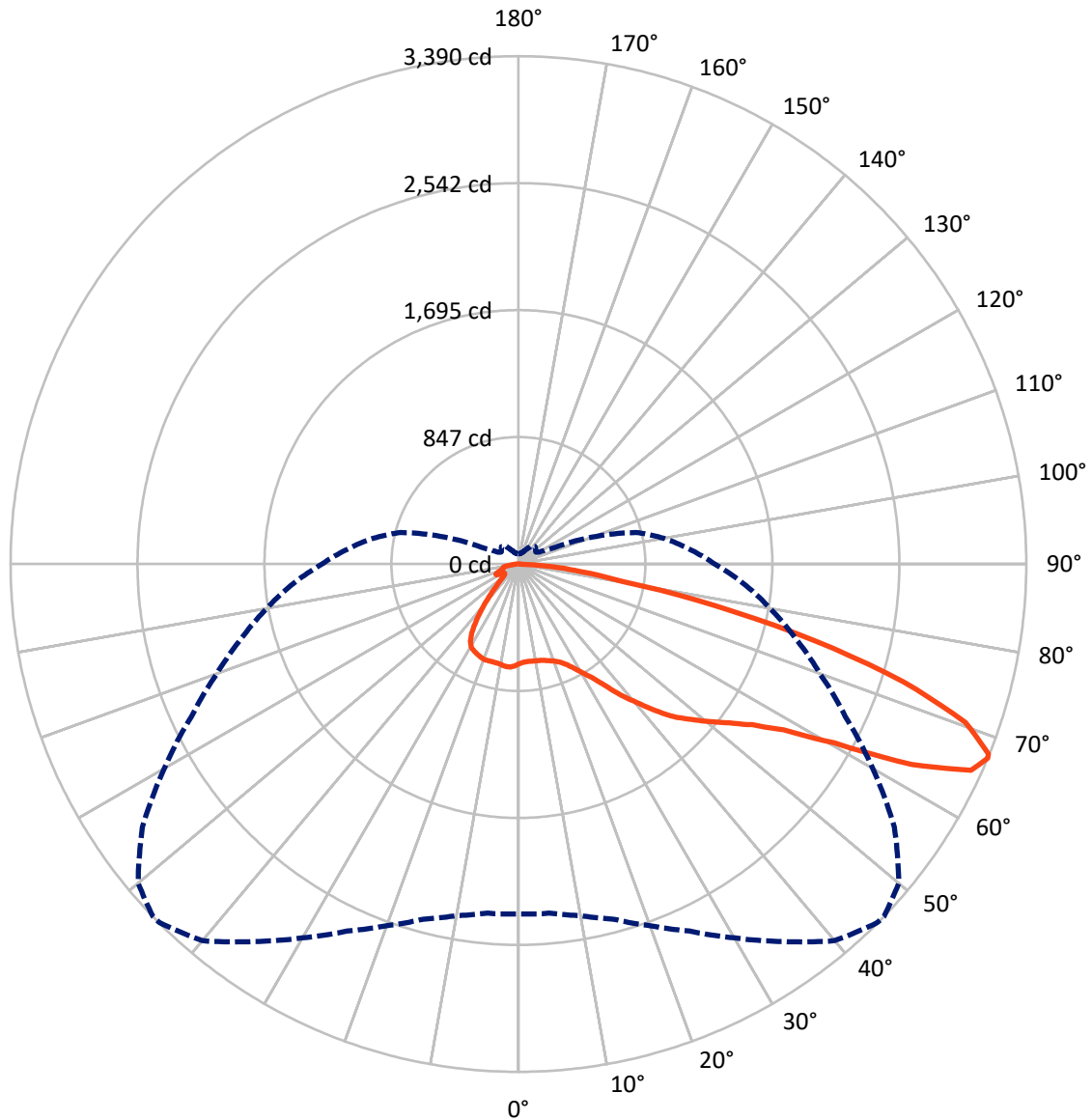


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Semi-Cutoff

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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 | 964.6 | 0.0 | 964.6 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 3889.6 | 0.0 | 3889.6 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 4854.2 | 0.0 | 4854.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.0 | 1.3 |
| 10°-20° | 191.1 | 3.9 |
| 20°-30° | 321.2 | 6.6 |
| 30°-40° | 480.4 | 9.9 |
| 40°-50° | 625.7 | 12.9 |
| 50°-60° | 857.0 | 17.7 |
| 60°-70° | 1354.8 | 27.9 |
| 70°-80° | 840.4 | 17.3 |
| 80°-90° | 119.8 | 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° | 4854.2 | 100.0 |
| 0°-180° | 4854.2 | 100.0 |

Coefficient of Utilization



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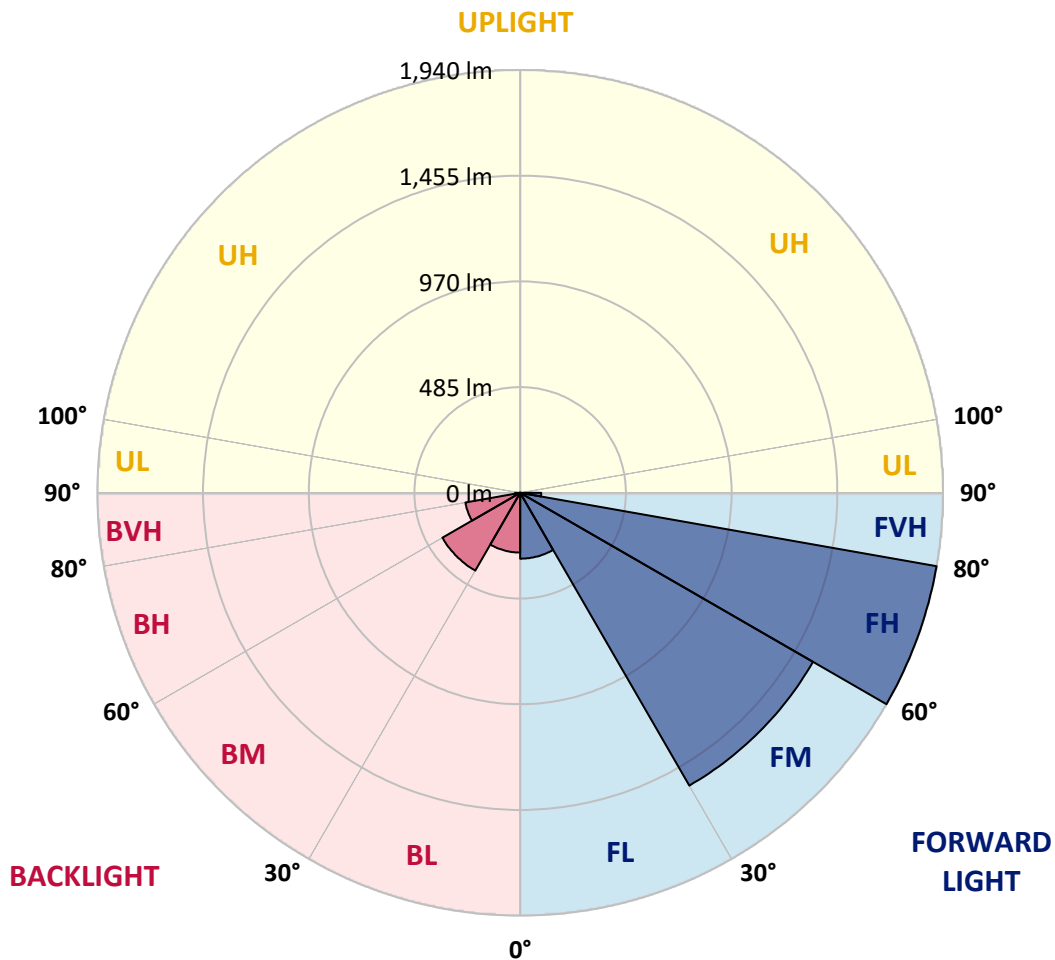
CATALOG NUMBER: CEM-E02-LED-E-U-T4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 302.3 | 6.2 | | | |
| FM | (30°-60°) | 1551.1 | 32.0 | | | |
| FH | (60°-80°) | 1939.8 | 40.0 | | | G2/5000 |
| FVH | (80°-90°) | 96.4 | 2.0 | | | G1/100 |
| BL | (0°-30°) | 274.0 | 5.6 | B1/500 | | |
| BM | (30°-60°) | 412.0 | 8.5 | B1/1000 | | |
| BH | (60°-80°) | 255.4 | 5.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 23.3 | 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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CATALOG NUMBER: CEM-E02-LED-E-U-T4-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 46° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 |
| 2.5° | 650.4 | 652.1 | 651.6 | 651.0 | 651.6 | 652.1 | 652.7 | 654.4 | 654.9 | 655.5 | 656.1 |
| 5° | 638.6 | 640.3 | 639.7 | 640.9 | 641.4 | 643.7 | 645.4 | 648.2 | 649.9 | 652.1 | 653.2 |
| 7.5° | 635.2 | 636.4 | 636.4 | 637.5 | 638.1 | 640.3 | 643.1 | 646.5 | 649.9 | 653.2 | 654.4 |
| 10° | 644.2 | 644.8 | 644.8 | 644.2 | 644.8 | 645.9 | 647.1 | 649.9 | 652.7 | 655.5 | 656.6 |
| 12.5° | 665.6 | 663.9 | 663.4 | 661.7 | 662.3 | 660.0 | 660.0 | 659.4 | 659.4 | 660.0 | 660.0 |
| 15° | 688.1 | 687.0 | 685.9 | 683.1 | 683.1 | 679.7 | 678.6 | 676.3 | 670.7 | 668.4 | 667.9 |
| 17.5° | 708.4 | 707.3 | 705.0 | 702.8 | 701.6 | 697.1 | 696.0 | 692.1 | 685.3 | 680.3 | 678.6 |
| 20° | 732.6 | 729.8 | 724.7 | 723.6 | 720.8 | 715.7 | 714.0 | 709.0 | 699.9 | 692.6 | 692.1 |
| 22.5° | 769.7 | 765.2 | 760.2 | 756.2 | 748.9 | 743.8 | 739.3 | 732.6 | 721.9 | 713.5 | 711.2 |
| 25° | 806.9 | 805.2 | 800.7 | 795.0 | 790.0 | 784.3 | 778.7 | 768.6 | 754.5 | 743.8 | 741.6 |
| 27.5° | 859.2 | 855.2 | 849.6 | 840.6 | 837.8 | 828.2 | 823.7 | 815.3 | 801.2 | 787.7 | 785.5 |
| 30° | 913.8 | 909.8 | 900.8 | 892.9 | 891.3 | 881.1 | 878.3 | 869.3 | 856.9 | 843.4 | 841.7 |
| 32.5° | 976.2 | 972.3 | 965.5 | 961.0 | 954.8 | 949.2 | 942.5 | 934.0 | 918.3 | 907.0 | 904.8 |
| 35° | 1056.1 | 1052.7 | 1044.9 | 1048.2 | 1042.6 | 1040.9 | 1037.0 | 1022.9 | 1005.5 | 992.0 | 994.2 |
| 37.5° | 1119.1 | 1118.6 | 1120.3 | 1118.6 | 1125.9 | 1133.2 | 1133.2 | 1134.3 | 1125.9 | 1111.3 | 1108.4 |
| 40° | 1178.2 | 1177.6 | 1182.1 | 1187.2 | 1206.9 | 1218.7 | 1232.2 | 1237.3 | 1228.3 | 1217.0 | 1213.1 |
| 42.5° | 1233.4 | 1232.2 | 1238.4 | 1257.0 | 1281.2 | 1303.1 | 1326.2 | 1345.9 | 1350.4 | 1338.0 | 1335.2 |
| 45° | 1287.9 | 1289.6 | 1297.5 | 1318.3 | 1350.4 | 1379.1 | 1418.5 | 1441.5 | 1456.2 | 1449.4 | 1453.9 |
| 47.5° | 1353.8 | 1355.4 | 1363.9 | 1388.6 | 1416.8 | 1452.8 | 1498.9 | 1538.3 | 1555.8 | 1555.8 | 1550.1 |
| 50° | 1432.0 | 1439.8 | 1448.9 | 1465.7 | 1498.4 | 1533.8 | 1590.1 | 1629.5 | 1657.6 | 1656.5 | 1652.0 |
| 52.5° | 1536.1 | 1537.8 | 1552.4 | 1565.9 | 1594.0 | 1630.0 | 1680.7 | 1734.7 | 1770.1 | 1766.8 | 1761.7 |
| 55° | 1676.2 | 1669.4 | 1679.0 | 1691.9 | 1722.3 | 1753.8 | 1809.0 | 1871.4 | 1907.4 | 1896.7 | 1893.4 |
| 57.5° | 1852.8 | 1847.2 | 1854.0 | 1869.7 | 1908.0 | 1933.9 | 1978.3 | 2035.7 | 2086.3 | 2095.3 | 2087.5 |
| 60° | 2107.7 | 2107.7 | 2121.2 | 2155.0 | 2193.8 | 2232.6 | 2289.5 | 2358.7 | 2411.0 | 2423.9 | 2423.4 |
| 62.5° | 2409.9 | 2429.0 | 2431.8 | 2475.7 | 2550.0 | 2616.9 | 2705.3 | 2827.4 | 2905.6 | 2961.3 | 2946.7 |
| 65° | 2458.3 | 2464.5 | 2489.2 | 2557.3 | 2658.0 | 2776.7 | 2914.0 | 3074.4 | 3237.0 | 3317.4 | 3319.7 |
| 67° | 2336.7 | 2339.0 | 2382.3 | 2453.8 | 2569.1 | 2703.0 | 2880.8 | 3076.1 | 3282.0 | 3386.1 | 3389.5 |
| 67.5° | 2299.0 | 2294.5 | 2333.4 | 2408.2 | 2534.2 | 2685.0 | 2852.1 | 3057.5 | 3270.2 | 3381.6 | 3383.3 |
| 70° | 2046.4 | 2048.6 | 2079.0 | 2162.3 | 2295.7 | 2436.9 | 2623.7 | 2834.7 | 3058.6 | 3160.5 | 3165.5 |
| 72.5° | 1764.5 | 1749.9 | 1777.4 | 1866.3 | 1929.9 | 2067.8 | 2239.4 | 2398.6 | 2595.6 | 2691.8 | 2689.5 |
| 75° | 1345.9 | 1305.4 | 1353.8 | 1405.5 | 1441.0 | 1577.7 | 1684.6 | 1794.3 | 1976.1 | 2049.2 | 2045.3 |
| 77.5° | 725.3 | 723.6 | 776.5 | 817.0 | 869.9 | 993.1 | 1087.1 | 1156.3 | 1309.3 | 1345.3 | 1349.8 |
| 80° | 393.9 | 408.5 | 440.0 | 485.0 | 527.8 | 586.9 | 641.4 | 684.8 | 734.8 | 711.8 | 706.7 |
| 82.5° | 237.4 | 261.6 | 310.0 | 344.3 | 361.2 | 387.7 | 426.5 | 451.3 | 470.9 | 428.2 | 419.7 |
| 85° | 37.7 | 68.1 | 175.0 | 209.3 | 227.3 | 239.7 | 248.1 | 264.5 | 241.4 | 226.2 | 230.1 |
| 87.5° | 12.4 | 14.1 | 27.0 | 59.6 | 52.3 | 36.0 | 47.3 | 68.6 | 32.6 | 17.4 | 16.9 |
| 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: CEM-E02-LED-E-U-T4-8030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 |
| 2.5° | 656.6 | 657.2 | 658.9 | 661.1 | 662.3 | 665.1 | 665.1 | 667.3 | 667.3 | 669.0 | 670.7 |
| 5° | 654.9 | 657.8 | 660.0 | 663.4 | 665.1 | 669.0 | 670.7 | 674.1 | 675.8 | 678.0 | 680.3 |
| 7.5° | 657.8 | 661.7 | 664.5 | 668.4 | 671.3 | 675.2 | 676.9 | 679.7 | 681.4 | 684.2 | 685.3 |
| 10° | 660.0 | 663.9 | 667.3 | 671.8 | 674.1 | 676.9 | 678.6 | 680.8 | 681.4 | 683.1 | 684.2 |
| 12.5° | 662.8 | 664.5 | 667.3 | 671.3 | 673.5 | 675.2 | 676.9 | 678.6 | 680.3 | 680.3 | 680.3 |
| 15° | 666.8 | 665.1 | 665.6 | 669.0 | 671.3 | 672.4 | 674.1 | 675.2 | 675.8 | 675.8 | 674.6 |
| 17.5° | 675.2 | 670.7 | 667.9 | 667.9 | 669.0 | 670.1 | 670.1 | 668.4 | 667.3 | 665.6 | 663.4 |
| 20° | 687.6 | 680.3 | 674.6 | 671.8 | 669.6 | 666.8 | 662.3 | 656.6 | 651.6 | 647.1 | 644.2 |
| 22.5° | 705.0 | 697.7 | 690.9 | 684.8 | 677.4 | 667.9 | 658.3 | 646.5 | 636.9 | 629.6 | 626.8 |
| 25° | 737.6 | 727.0 | 721.9 | 712.3 | 701.1 | 685.9 | 671.3 | 654.9 | 643.7 | 633.6 | 629.1 |
| 27.5° | 781.5 | 773.1 | 761.8 | 756.8 | 742.1 | 724.7 | 708.4 | 688.7 | 672.9 | 660.6 | 652.1 |
| 30° | 837.2 | 831.6 | 822.0 | 813.6 | 799.5 | 783.8 | 759.6 | 737.6 | 710.1 | 688.1 | 675.8 |
| 32.5° | 901.4 | 892.9 | 884.5 | 873.8 | 863.7 | 842.9 | 820.4 | 787.2 | 748.9 | 711.2 | 688.1 |
| 35° | 981.8 | 973.4 | 967.8 | 950.9 | 934.0 | 911.5 | 881.1 | 841.7 | 788.3 | 737.6 | 698.3 |
| 37.5° | 1092.7 | 1074.7 | 1047.1 | 1022.9 | 992.5 | 958.2 | 923.9 | 876.6 | 817.0 | 751.2 | 697.1 |
| 40° | 1188.9 | 1162.5 | 1131.5 | 1089.9 | 1047.1 | 1002.1 | 961.6 | 910.4 | 840.6 | 762.4 | 689.3 |
| 42.5° | 1313.8 | 1268.2 | 1215.9 | 1160.8 | 1102.3 | 1048.2 | 998.2 | 939.6 | 858.1 | 763.0 | 670.7 |
| 45° | 1426.3 | 1370.1 | 1300.9 | 1226.0 | 1154.6 | 1088.7 | 1031.4 | 966.7 | 872.7 | 760.7 | 649.3 |
| 47.5° | 1526.5 | 1460.7 | 1376.3 | 1286.2 | 1201.8 | 1127.6 | 1064.6 | 996.5 | 891.8 | 768.0 | 641.4 |
| 50° | 1623.3 | 1547.9 | 1452.8 | 1343.6 | 1249.7 | 1168.6 | 1102.8 | 1029.7 | 923.9 | 792.8 | 653.8 |
| 52.5° | 1726.8 | 1635.1 | 1527.6 | 1404.4 | 1302.0 | 1218.2 | 1144.5 | 1069.6 | 962.1 | 826.0 | 676.3 |
| 55° | 1853.4 | 1749.3 | 1626.7 | 1490.5 | 1372.9 | 1279.5 | 1196.2 | 1117.4 | 1007.7 | 867.1 | 702.8 |
| 57.5° | 2022.2 | 1917.0 | 1775.8 | 1618.8 | 1495.6 | 1384.7 | 1284.6 | 1195.7 | 1076.9 | 923.9 | 742.1 |
| 60° | 2347.4 | 2217.4 | 2029.5 | 1859.0 | 1725.7 | 1595.1 | 1474.2 | 1352.6 | 1209.7 | 1038.7 | 843.4 |
| 62.5° | 2869.6 | 2688.4 | 2455.5 | 2218.0 | 2038.0 | 1865.2 | 1705.4 | 1547.3 | 1369.0 | 1177.1 | 963.8 |
| 65° | 3230.8 | 3006.9 | 2714.3 | 2416.6 | 2173.0 | 1962.0 | 1771.3 | 1583.3 | 1384.7 | 1201.8 | 1016.2 |
| 67° | 3313.5 | 3063.1 | 2730.0 | 2407.1 | 2142.0 | 1913.0 | 1705.4 | 1509.6 | 1309.9 | 1143.9 | 985.2 |
| 67.5° | 3310.1 | 3060.3 | 2717.7 | 2386.8 | 2121.2 | 1895.6 | 1686.3 | 1480.4 | 1284.0 | 1121.4 | 970.0 |
| 70° | 3109.8 | 2858.9 | 2514.5 | 2185.4 | 1929.4 | 1704.9 | 1493.9 | 1314.4 | 1114.1 | 982.4 | 868.7 |
| 72.5° | 2634.9 | 2416.6 | 2138.7 | 1842.7 | 1623.3 | 1422.4 | 1253.6 | 1077.5 | 903.6 | 815.9 | 726.4 |
| 75° | 2003.6 | 1810.1 | 1555.2 | 1338.6 | 1171.5 | 1031.9 | 862.6 | 746.7 | 624.6 | 564.3 | 532.3 |
| 77.5° | 1323.9 | 1101.7 | 925.6 | 719.1 | 596.4 | 486.7 | 383.7 | 304.4 | 254.3 | 267.3 | 292.0 |
| 80° | 700.5 | 555.9 | 411.3 | 318.5 | 245.9 | 191.3 | 151.9 | 113.7 | 82.7 | 96.8 | 121.5 |
| 82.5° | 381.5 | 325.2 | 240.3 | 191.3 | 156.4 | 129.4 | 99.6 | 69.8 | 51.8 | 57.4 | 82.7 |
| 85° | 217.7 | 191.3 | 148.5 | 115.9 | 101.3 | 82.7 | 56.8 | 38.3 | 37.1 | 39.9 | 51.2 |
| 87.5° | 36.0 | 48.4 | 39.4 | 27.0 | 30.4 | 29.8 | 26.4 | 20.3 | 15.2 | 21.4 | 27.6 |
| 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-E02-LED-E-U-T4-8030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 |
| 2.5° | 671.8 | 673.5 | 675.8 | 676.3 | 675.8 | 677.4 | 680.3 | 682.5 | 680.8 | 679.7 | 682.5 |
| 5° | 682.5 | 683.6 | 686.4 | 686.4 | 687.0 | 688.1 | 689.8 | 691.5 | 689.3 | 689.3 | 690.4 |
| 7.5° | 687.0 | 687.0 | 689.8 | 688.7 | 688.7 | 688.1 | 689.8 | 690.4 | 687.0 | 686.4 | 687.0 |
| 10° | 684.2 | 684.2 | 685.3 | 683.1 | 682.5 | 681.9 | 681.9 | 682.5 | 679.1 | 678.0 | 679.7 |
| 12.5° | 680.3 | 680.3 | 679.1 | 678.0 | 676.9 | 675.8 | 676.9 | 677.4 | 675.2 | 675.2 | 675.8 |
| 15° | 673.5 | 671.8 | 671.3 | 671.3 | 671.8 | 672.4 | 674.6 | 676.3 | 674.6 | 673.5 | 673.5 |
| 17.5° | 662.3 | 661.1 | 662.8 | 666.2 | 670.1 | 672.9 | 676.3 | 677.4 | 673.5 | 669.0 | 665.6 |
| 20° | 645.4 | 648.2 | 654.4 | 663.9 | 672.4 | 676.9 | 676.9 | 672.9 | 663.9 | 654.9 | 650.4 |
| 22.5° | 627.9 | 635.8 | 649.3 | 663.9 | 674.1 | 675.8 | 669.6 | 661.1 | 648.7 | 639.2 | 630.7 |
| 25° | 630.2 | 639.7 | 653.2 | 665.6 | 672.4 | 669.6 | 658.3 | 647.6 | 633.0 | 622.9 | 610.5 |
| 27.5° | 653.8 | 662.8 | 669.6 | 673.5 | 671.3 | 662.3 | 649.3 | 634.7 | 618.4 | 604.3 | 589.7 |
| 30° | 672.9 | 676.9 | 676.3 | 672.9 | 664.5 | 650.4 | 635.2 | 617.8 | 598.1 | 582.9 | 563.8 |
| 32.5° | 676.3 | 669.0 | 657.8 | 645.4 | 634.1 | 618.4 | 600.9 | 580.7 | 558.7 | 539.0 | 519.9 |
| 35° | 670.1 | 642.6 | 617.8 | 593.0 | 576.2 | 556.5 | 541.3 | 517.6 | 493.5 | 476.6 | 462.5 |
| 37.5° | 647.1 | 599.2 | 559.8 | 525.0 | 500.2 | 477.7 | 454.6 | 431.6 | 411.3 | 403.4 | 399.5 |
| 40° | 617.8 | 545.8 | 485.6 | 437.2 | 410.7 | 388.8 | 365.2 | 346.6 | 337.0 | 329.7 | 326.9 |
| 42.5° | 575.0 | 485.0 | 410.2 | 358.4 | 324.7 | 304.4 | 281.3 | 271.2 | 266.7 | 268.4 | 266.1 |
| 45° | 535.1 | 421.4 | 327.5 | 270.1 | 247.0 | 227.9 | 216.6 | 212.1 | 209.9 | 208.7 | 210.4 |
| 47.5° | 507.0 | 372.5 | 263.9 | 205.4 | 186.2 | 172.7 | 168.2 | 166.5 | 166.0 | 163.7 | 163.2 |
| 50° | 500.2 | 343.8 | 216.1 | 159.8 | 145.2 | 137.9 | 135.6 | 133.9 | 132.8 | 131.1 | 127.2 |
| 52.5° | 508.1 | 335.9 | 192.4 | 137.3 | 124.9 | 119.3 | 117.6 | 114.8 | 113.7 | 109.2 | 104.1 |
| 55° | 521.6 | 338.7 | 185.1 | 131.1 | 118.7 | 112.5 | 110.3 | 109.2 | 105.2 | 100.2 | 94.0 |
| 57.5° | 549.7 | 356.2 | 188.5 | 132.8 | 119.8 | 114.2 | 113.1 | 112.0 | 106.9 | 99.6 | 91.7 |
| 60° | 631.3 | 406.8 | 205.9 | 144.6 | 128.8 | 124.9 | 125.5 | 123.2 | 115.9 | 106.3 | 94.5 |
| 62.5° | 757.3 | 485.6 | 238.0 | 159.2 | 143.5 | 143.5 | 146.9 | 145.2 | 133.9 | 118.2 | 101.3 |
| 65° | 822.6 | 532.8 | 251.5 | 163.7 | 148.0 | 155.3 | 166.0 | 164.3 | 148.0 | 124.3 | 101.8 |
| 67° | 812.5 | 523.8 | 243.6 | 157.0 | 139.5 | 149.1 | 159.8 | 160.4 | 142.4 | 118.7 | 97.3 |
| 67.5° | 802.9 | 517.6 | 239.7 | 154.2 | 137.3 | 146.9 | 157.0 | 155.3 | 140.1 | 116.5 | 96.2 |
| 70° | 721.3 | 454.6 | 213.8 | 144.0 | 127.2 | 130.0 | 132.8 | 130.5 | 118.7 | 103.0 | 88.9 |
| 72.5° | 622.9 | 377.5 | 188.5 | 137.9 | 121.5 | 117.0 | 117.0 | 113.1 | 105.2 | 94.5 | 84.4 |
| 75° | 474.9 | 293.7 | 165.4 | 131.1 | 114.8 | 108.0 | 106.9 | 104.1 | 97.3 | 89.5 | 80.5 |
| 77.5° | 289.8 | 210.4 | 143.5 | 121.0 | 106.3 | 100.7 | 101.3 | 99.6 | 92.8 | 85.5 | 77.1 |
| 80° | 145.2 | 136.2 | 120.4 | 105.2 | 96.2 | 90.6 | 91.2 | 87.8 | 82.1 | 76.5 | 69.8 |
| 82.5° | 88.9 | 94.0 | 84.4 | 79.9 | 74.3 | 68.1 | 52.9 | 61.9 | 60.2 | 55.1 | 52.3 |
| 85° | 59.1 | 58.5 | 52.9 | 46.7 | 42.8 | 37.1 | 33.2 | 33.8 | 37.1 | 38.3 | 38.3 |
| 87.5° | 28.7 | 27.6 | 25.3 | 23.6 | 22.5 | 18.6 | 17.4 | 19.7 | 19.7 | 20.8 | 20.3 |
| 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: P142108

CATALOG NUMBER: CEM-E02-LED-E-U-T4-8030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 665.1 | 665.1 | 665.1 | 665.1 | 665.1 |
| 2.5° | 683.1 | 684.2 | 683.6 | 685.3 | 683.6 |
| 5° | 690.9 | 690.9 | 691.5 | 692.1 | 691.5 |
| 7.5° | 687.0 | 686.4 | 687.6 | 688.7 | 688.1 |
| 10° | 679.7 | 680.3 | 681.4 | 683.1 | 683.1 |
| 12.5° | 676.9 | 677.4 | 679.7 | 681.4 | 681.4 |
| 15° | 674.6 | 675.2 | 676.3 | 678.6 | 676.9 |
| 17.5° | 664.5 | 662.3 | 662.3 | 663.9 | 662.3 |
| 20° | 646.5 | 643.1 | 643.1 | 642.6 | 642.0 |
| 22.5° | 625.1 | 616.7 | 614.4 | 611.6 | 612.2 |
| 25° | 598.7 | 587.4 | 581.2 | 577.9 | 576.7 |
| 27.5° | 577.3 | 564.3 | 558.2 | 553.1 | 551.4 |
| 30° | 550.3 | 535.7 | 530.6 | 527.8 | 526.7 |
| 32.5° | 510.9 | 498.0 | 491.2 | 489.5 | 486.1 |
| 35° | 451.3 | 445.6 | 442.8 | 438.9 | 439.4 |
| 37.5° | 391.6 | 389.9 | 383.2 | 385.4 | 383.2 |
| 40° | 327.5 | 326.9 | 328.0 | 326.3 | 330.3 |
| 42.5° | 267.3 | 265.6 | 268.4 | 266.7 | 268.4 |
| 45° | 207.1 | 210.4 | 214.4 | 212.7 | 214.9 |
| 47.5° | 158.7 | 159.2 | 158.1 | 159.2 | 160.4 |
| 50° | 122.1 | 121.0 | 119.8 | 117.6 | 118.7 |
| 52.5° | 100.7 | 96.8 | 94.0 | 92.3 | 91.7 |
| 55° | 88.9 | 85.0 | 82.7 | 80.5 | 80.5 |
| 57.5° | 85.5 | 80.5 | 77.1 | 75.4 | 74.8 |
| 60° | 86.1 | 79.3 | 74.8 | 72.0 | 71.5 |
| 62.5° | 88.3 | 79.3 | 73.1 | 70.3 | 69.2 |
| 65° | 87.8 | 78.2 | 72.0 | 69.2 | 68.1 |
| 67° | 85.0 | 76.5 | 71.5 | 68.6 | 68.1 |
| 67.5° | 83.8 | 76.0 | 71.5 | 68.6 | 67.5 |
| 70° | 79.9 | 74.3 | 70.3 | 67.5 | 66.4 |
| 72.5° | 76.5 | 72.0 | 67.5 | 65.3 | 64.1 |
| 75° | 73.1 | 68.6 | 64.7 | 62.5 | 61.9 |
| 77.5° | 69.8 | 64.7 | 61.9 | 59.1 | 56.8 |
| 80° | 63.6 | 58.0 | 54.0 | 49.5 | 48.4 |
| 82.5° | 52.3 | 47.8 | 43.9 | 39.9 | 39.4 |
| 85° | 38.8 | 37.1 | 33.8 | 30.4 | 30.4 |
| 87.5° | 21.4 | 23.6 | 20.8 | 19.1 | 18.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)