

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: INVUE

Report Number: P140952

Luminaire Tested: **EMM-E02-LED-E1-SL2-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P140952
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33690)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM-E02-LED-E1-SL2-7060
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5906 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

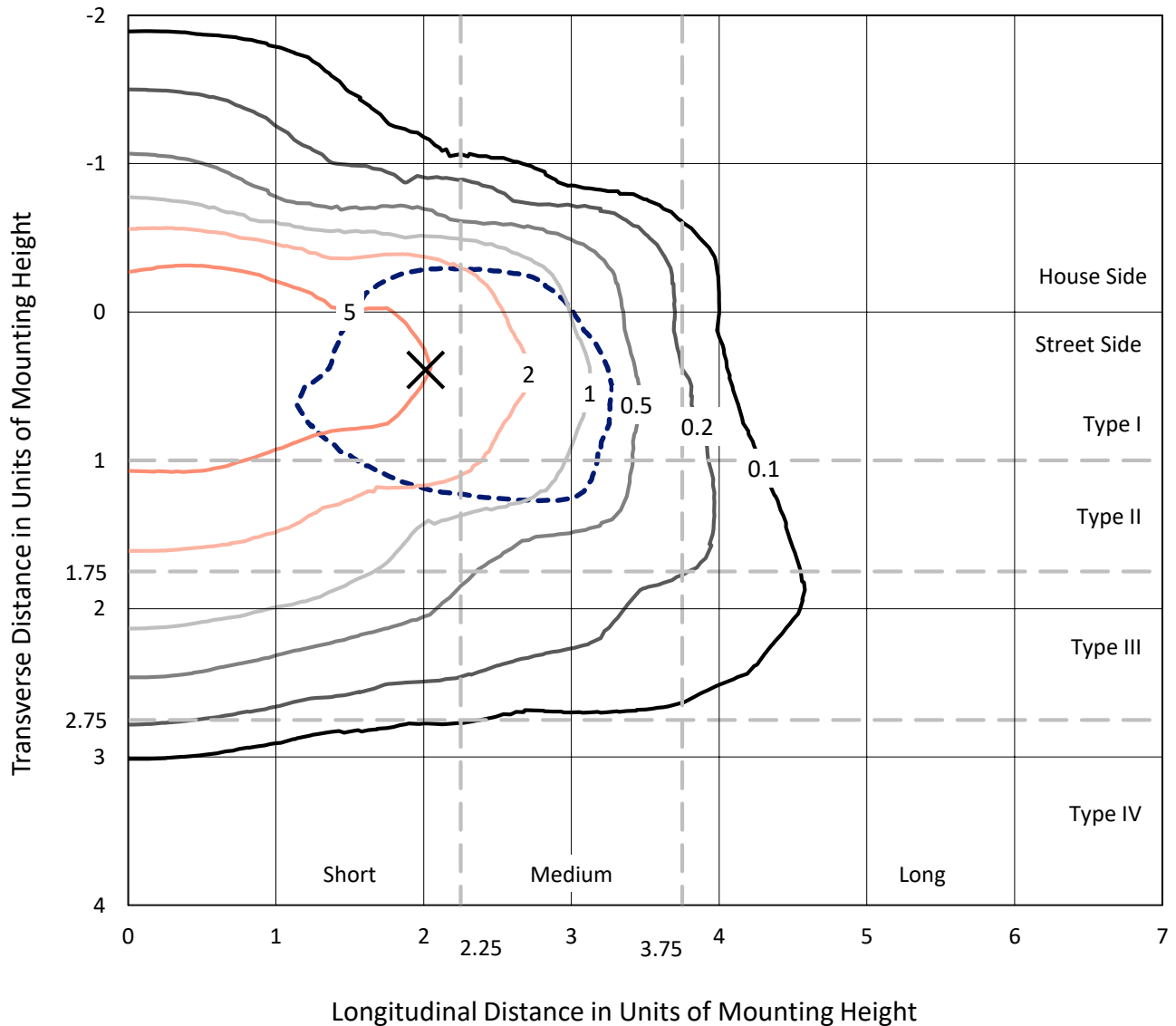
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P140952
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Iso-Footcandle Lines of Horizontal Illumination

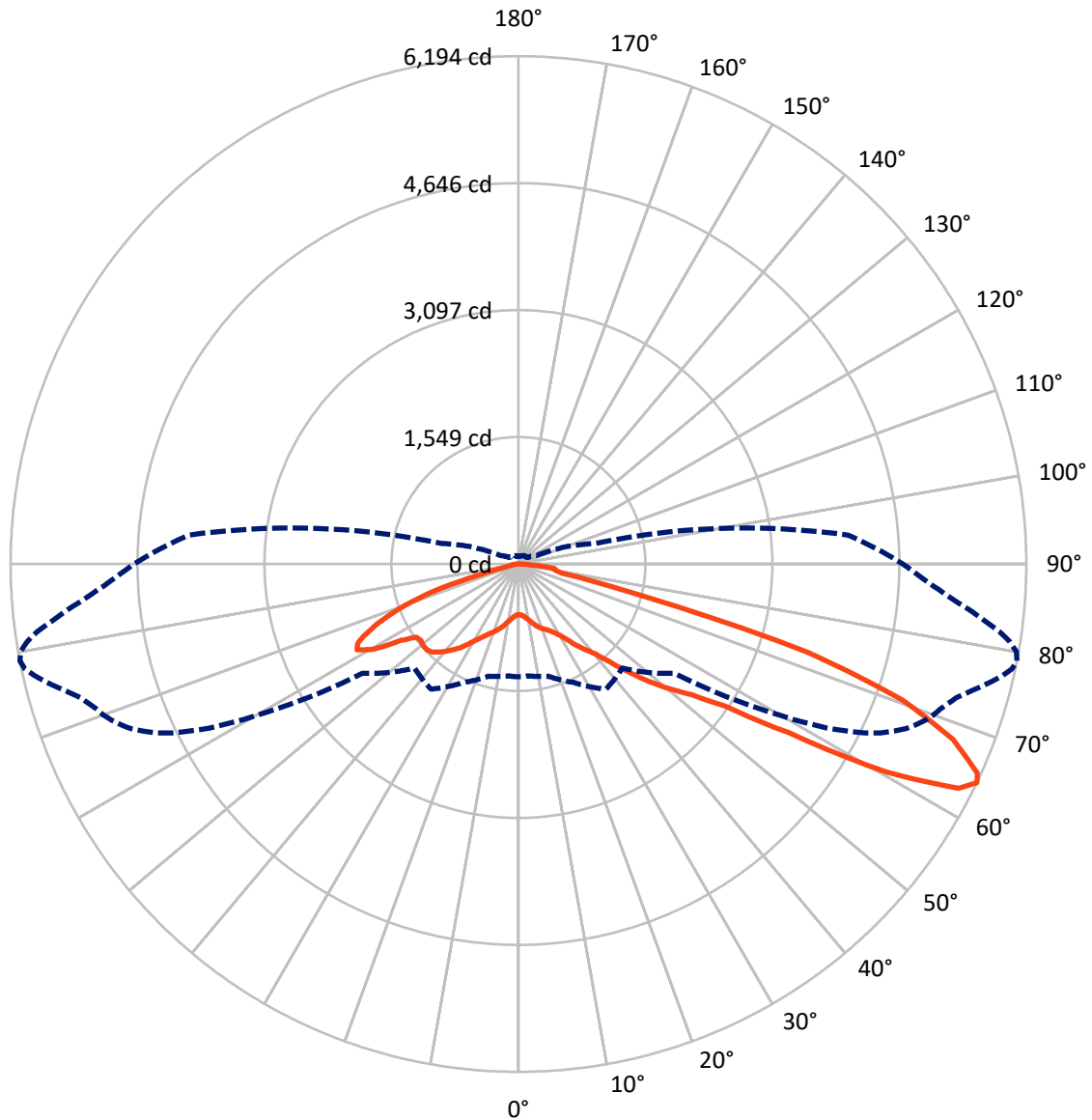
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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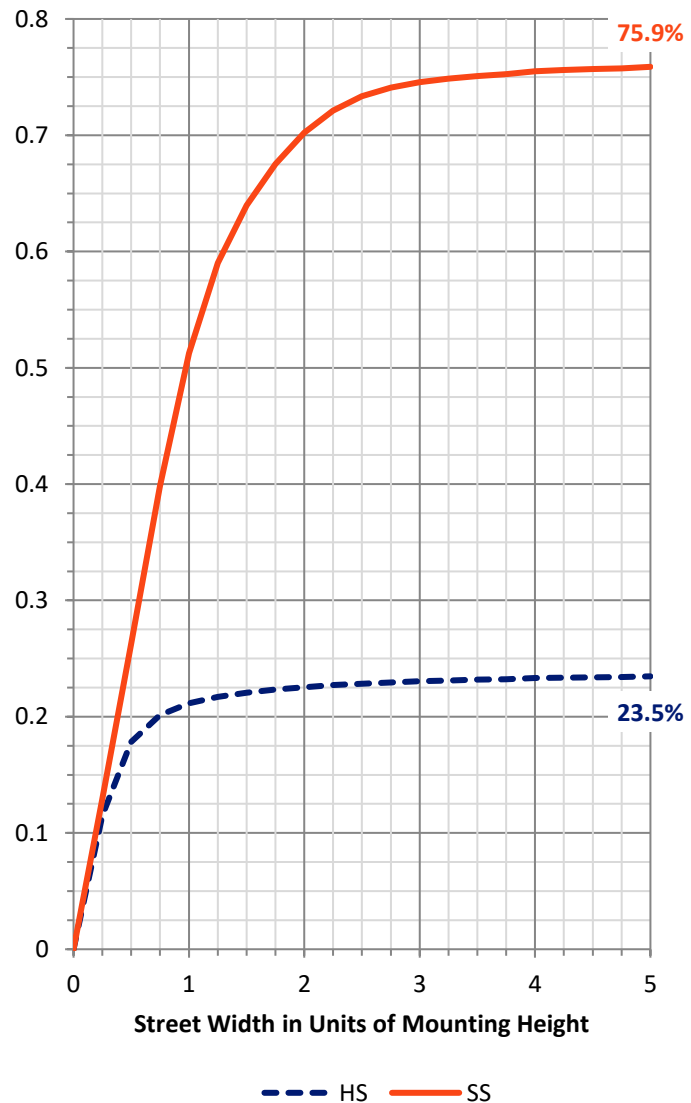
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1407.8 | 0.0 | 1407.8 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 4498.3 | 0.0 | 4498.3 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 5906.0 | 0.0 | 5906.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 61.2 | 1.0 |
| 10°-20° | 198.4 | 3.4 |
| 20°-30° | 340.5 | 5.8 |
| 30°-40° | 569.3 | 9.6 |
| 40°-50° | 975.2 | 16.5 |
| 50°-60° | 1315.5 | 22.3 |
| 60°-70° | 1664.1 | 28.2 |
| 70°-80° | 664.0 | 11.2 |
| 80°-90° | 117.8 | 2.0 |
| 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° | 5906.0 | 100.0 |
| 0°-180° | 5906.0 | 100.0 |



REPORT NUMBER: P140952

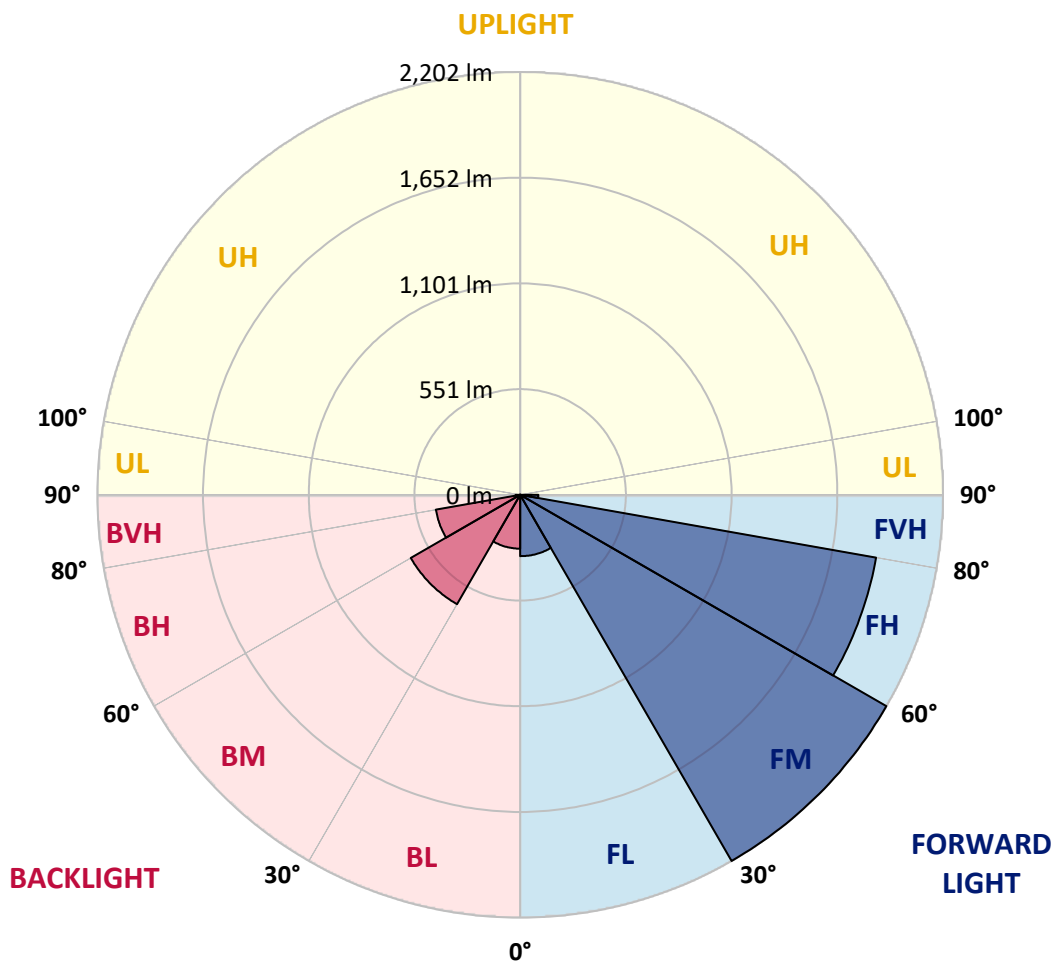
CATALOG NUMBER: EMM-E02-LED-E1-SL2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 319.6 | 5.4 | | | |
| FM | (30°-60°) | 2202.2 | 37.3 | | | |
| FH | (60°-80°) | 1882.1 | 31.9 | | | G2/5000 |
| FVH | (80°-90°) | 94.3 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 280.5 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 657.8 | 11.1 | B1/1000 | | |
| BH | (60°-80°) | 445.9 | 7.6 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 23.5 | 0.4 | | | 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 II Short





REPORT NUMBER: P140952

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 |
| 2.5° | 615.0 | 615.7 | 615.0 | 617.0 | 618.4 | 620.5 | 620.5 | 620.5 | 620.5 | 620.5 | 620.5 |
| 5° | 614.3 | 615.0 | 614.3 | 617.7 | 621.1 | 625.2 | 629.3 | 630.7 | 630.7 | 631.4 | 632.1 |
| 7.5° | 620.5 | 621.1 | 620.5 | 624.6 | 629.3 | 636.2 | 643.7 | 647.8 | 648.5 | 649.2 | 650.6 |
| 10° | 639.6 | 638.2 | 635.5 | 639.6 | 644.4 | 654.7 | 663.5 | 670.4 | 672.4 | 673.1 | 675.9 |
| 12.5° | 664.9 | 664.2 | 659.4 | 657.4 | 660.1 | 671.8 | 688.2 | 697.8 | 699.8 | 700.5 | 703.2 |
| 15° | 684.1 | 682.0 | 677.9 | 675.2 | 680.0 | 692.3 | 714.2 | 726.5 | 730.6 | 731.3 | 736.1 |
| 17.5° | 696.4 | 695.0 | 688.2 | 686.1 | 693.6 | 712.8 | 740.2 | 755.2 | 757.9 | 760.0 | 765.5 |
| 20° | 716.9 | 712.8 | 702.5 | 693.6 | 699.8 | 729.2 | 761.4 | 777.1 | 781.2 | 783.3 | 788.0 |
| 22.5° | 744.3 | 740.8 | 728.5 | 706.0 | 706.0 | 738.8 | 780.5 | 798.3 | 801.7 | 805.8 | 811.3 |
| 25° | 791.5 | 788.7 | 764.8 | 726.5 | 716.9 | 748.4 | 798.3 | 822.3 | 825.7 | 830.5 | 838.7 |
| 27.5° | 840.0 | 836.6 | 809.9 | 758.6 | 736.1 | 766.2 | 824.3 | 853.0 | 857.8 | 863.3 | 872.9 |
| 30° | 902.3 | 896.1 | 869.5 | 809.9 | 773.7 | 794.9 | 865.3 | 901.6 | 907.1 | 913.9 | 926.9 |
| 32.5° | 1041.8 | 1044.6 | 996.0 | 933.1 | 869.5 | 860.6 | 929.0 | 973.4 | 981.6 | 990.5 | 1008.3 |
| 35° | 1269.0 | 1258.0 | 1240.2 | 1175.9 | 1105.5 | 1035.7 | 1052.8 | 1100.7 | 1109.6 | 1112.3 | 1119.8 |
| 37.5° | 1414.0 | 1420.1 | 1434.5 | 1434.5 | 1381.8 | 1352.4 | 1303.8 | 1280.6 | 1282.6 | 1285.4 | 1279.2 |
| 40° | 1494.7 | 1507.7 | 1556.9 | 1623.3 | 1671.2 | 1697.9 | 1689.7 | 1580.9 | 1567.9 | 1550.8 | 1496.1 |
| 42.5° | 1552.8 | 1565.8 | 1650.0 | 1777.2 | 1896.2 | 1990.6 | 2042.6 | 1957.1 | 1947.5 | 1906.5 | 1840.8 |
| 45° | 1588.4 | 1598.7 | 1699.9 | 1880.5 | 2060.4 | 2221.2 | 2363.5 | 2333.4 | 2330.6 | 2295.7 | 2209.5 |
| 47.5° | 1581.6 | 1590.5 | 1695.8 | 1913.3 | 2149.3 | 2367.6 | 2587.8 | 2642.6 | 2645.3 | 2636.4 | 2583.7 |
| 50° | 1480.3 | 1501.5 | 1606.2 | 1840.8 | 2100.1 | 2424.3 | 2732.9 | 2875.8 | 2879.9 | 2888.1 | 2867.6 |
| 52.5° | 1390.0 | 1406.4 | 1500.2 | 1710.2 | 1959.2 | 2368.3 | 2819.7 | 3046.8 | 3081.7 | 3101.6 | 3139.9 |
| 55° | 1353.1 | 1362.7 | 1434.5 | 1613.0 | 1842.9 | 2218.4 | 2849.2 | 3170.7 | 3232.9 | 3270.5 | 3358.1 |
| 57.5° | 1346.3 | 1353.8 | 1409.2 | 1545.3 | 1765.6 | 2063.8 | 2839.6 | 3336.9 | 3435.4 | 3506.5 | 3676.2 |
| 60° | 1392.1 | 1398.9 | 1437.9 | 1552.2 | 1712.2 | 1951.0 | 2752.0 | 3555.8 | 3694.0 | 3885.5 | 4159.1 |
| 62.5° | 1426.3 | 1429.7 | 1477.6 | 1637.7 | 1771.1 | 1840.8 | 2529.0 | 3709.0 | 3954.6 | 4198.1 | 4605.2 |
| 64° | 1376.3 | 1369.5 | 1416.7 | 1593.2 | 1862.0 | 1793.6 | 2322.4 | 3701.5 | 3989.5 | 4259.7 | 4700.2 |
| 65° | 1303.2 | 1307.9 | 1350.4 | 1506.3 | 1846.3 | 1791.6 | 2187.0 | 3619.4 | 3918.4 | 4205.0 | 4655.8 |
| 67.5° | 1012.4 | 1030.9 | 1042.5 | 1185.5 | 1512.5 | 1849.7 | 1831.3 | 3096.8 | 3397.1 | 3670.7 | 4203.6 |
| 70° | 544.5 | 542.5 | 568.5 | 681.3 | 1052.1 | 1569.9 | 1571.3 | 2182.9 | 2515.3 | 2855.3 | 3385.5 |
| 72.5° | 200.4 | 210.7 | 231.2 | 311.3 | 546.6 | 1132.8 | 1440.0 | 1513.8 | 1662.3 | 1932.5 | 2501.0 |
| 75° | 114.9 | 116.3 | 120.4 | 146.4 | 263.4 | 625.2 | 1338.0 | 1339.4 | 1350.4 | 1394.8 | 1704.0 |
| 77.5° | 89.6 | 86.9 | 88.9 | 95.1 | 143.7 | 329.0 | 1073.3 | 1272.4 | 1271.0 | 1264.2 | 1309.3 |
| 80° | 67.0 | 69.8 | 73.9 | 73.9 | 88.9 | 176.5 | 610.2 | 1132.1 | 1170.4 | 1199.2 | 1215.6 |
| 82.5° | 54.0 | 56.1 | 66.4 | 66.4 | 65.0 | 99.9 | 288.0 | 838.7 | 959.1 | 1037.1 | 1158.1 |
| 85° | 34.9 | 36.9 | 56.1 | 55.4 | 52.7 | 58.8 | 150.5 | 281.2 | 303.0 | 369.4 | 525.4 |
| 87.5° | 9.6 | 11.6 | 26.0 | 22.6 | 27.4 | 21.9 | 56.1 | 85.5 | 105.3 | 119.0 | 149.8 |
| 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: P140952

CATALOG NUMBER: EMM-E02-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 |
| 2.5° | 620.5 | 620.5 | 620.5 | 621.1 | 621.1 | 621.1 | 621.1 | 621.1 | 621.8 | 620.5 | 620.5 |
| 5° | 632.8 | 632.1 | 632.8 | 632.8 | 634.8 | 634.1 | 634.8 | 634.8 | 634.1 | 635.5 | 635.5 |
| 7.5° | 652.6 | 651.2 | 652.6 | 653.3 | 654.0 | 656.7 | 656.7 | 658.1 | 658.8 | 659.4 | 658.1 |
| 10° | 676.5 | 678.6 | 679.3 | 679.3 | 682.7 | 684.1 | 684.1 | 686.1 | 688.2 | 689.5 | 688.9 |
| 12.5° | 706.0 | 707.3 | 708.0 | 712.1 | 712.8 | 714.9 | 718.3 | 720.3 | 720.3 | 723.7 | 725.8 |
| 15° | 738.8 | 740.2 | 744.3 | 745.6 | 748.4 | 751.8 | 753.8 | 755.9 | 755.9 | 762.1 | 764.1 |
| 17.5° | 766.8 | 769.6 | 772.3 | 774.4 | 779.2 | 782.6 | 786.0 | 788.0 | 791.5 | 794.2 | 799.0 |
| 20° | 790.8 | 794.2 | 797.6 | 801.7 | 805.2 | 808.6 | 812.7 | 815.4 | 819.5 | 823.6 | 828.4 |
| 22.5° | 814.0 | 818.1 | 822.3 | 825.7 | 830.5 | 833.9 | 837.3 | 842.1 | 844.8 | 848.9 | 854.4 |
| 25° | 839.4 | 846.2 | 850.3 | 855.1 | 859.9 | 864.7 | 868.8 | 872.9 | 877.0 | 882.5 | 887.9 |
| 27.5° | 879.7 | 883.1 | 888.6 | 891.3 | 899.6 | 905.0 | 910.5 | 911.2 | 916.7 | 926.9 | 928.3 |
| 30° | 932.4 | 938.5 | 942.0 | 951.5 | 952.9 | 955.0 | 963.9 | 970.0 | 976.9 | 985.1 | 988.5 |
| 32.5° | 1011.7 | 1017.2 | 1022.0 | 1024.7 | 1032.3 | 1044.6 | 1045.9 | 1051.4 | 1063.0 | 1065.1 | 1077.4 |
| 35° | 1128.0 | 1129.4 | 1136.9 | 1141.0 | 1150.6 | 1157.4 | 1160.9 | 1165.7 | 1171.8 | 1186.2 | 1189.6 |
| 37.5° | 1267.6 | 1279.2 | 1269.6 | 1260.1 | 1277.2 | 1275.1 | 1279.2 | 1273.7 | 1290.2 | 1290.8 | 1297.0 |
| 40° | 1484.4 | 1479.6 | 1459.1 | 1437.2 | 1427.0 | 1420.8 | 1408.5 | 1405.8 | 1414.7 | 1410.6 | 1412.6 |
| 42.5° | 1803.9 | 1758.7 | 1723.9 | 1697.9 | 1665.7 | 1630.8 | 1611.0 | 1580.9 | 1580.9 | 1572.0 | 1580.2 |
| 45° | 2179.4 | 2128.8 | 2063.8 | 2002.3 | 1962.6 | 1916.8 | 1869.6 | 1838.1 | 1805.9 | 1782.0 | 1803.2 |
| 47.5° | 2549.5 | 2515.3 | 2442.8 | 2386.0 | 2306.7 | 2238.3 | 2163.7 | 2098.7 | 2060.4 | 2032.4 | 2036.5 |
| 50° | 2871.0 | 2839.6 | 2802.0 | 2725.3 | 2665.1 | 2595.4 | 2516.7 | 2431.2 | 2348.4 | 2314.9 | 2286.2 |
| 52.5° | 3141.9 | 3131.0 | 3098.8 | 3063.3 | 3014.0 | 2939.5 | 2889.5 | 2808.1 | 2710.3 | 2639.8 | 2609.7 |
| 55° | 3381.4 | 3400.5 | 3417.6 | 3410.1 | 3392.3 | 3382.7 | 3321.2 | 3265.8 | 3199.4 | 3178.9 | 3116.6 |
| 57.5° | 3758.3 | 3813.7 | 3879.4 | 3915.6 | 3951.2 | 4032.6 | 4052.4 | 4031.2 | 4039.4 | 4034.0 | 4001.1 |
| 60° | 4291.9 | 4425.9 | 4540.9 | 4632.5 | 4730.3 | 4825.4 | 4937.6 | 5011.5 | 5042.3 | 5161.3 | 5159.3 |
| 62.5° | 4749.5 | 4928.0 | 5075.1 | 5185.3 | 5299.5 | 5385.7 | 5458.2 | 5532.1 | 5622.4 | 5708.6 | 5817.3 |
| 64° | 4874.0 | 5014.2 | 5133.9 | 5232.5 | 5314.5 | 5385.0 | 5440.4 | 5508.1 | 5582.7 | 5694.2 | 5814.6 |
| 65° | 4809.7 | 4967.7 | 5054.6 | 5143.5 | 5217.4 | 5272.1 | 5328.9 | 5390.5 | 5484.9 | 5573.1 | 5701.7 |
| 67.5° | 4372.6 | 4492.3 | 4618.2 | 4700.9 | 4772.1 | 4804.2 | 4857.6 | 4908.9 | 4961.6 | 5050.5 | 5211.2 |
| 70° | 3687.1 | 3821.2 | 4002.5 | 4080.5 | 4154.4 | 4166.0 | 4215.9 | 4254.2 | 4289.1 | 4407.5 | 4486.8 |
| 72.5° | 2766.4 | 3026.3 | 3204.2 | 3341.0 | 3356.0 | 3414.2 | 3434.7 | 3450.5 | 3490.1 | 3512.0 | 3536.0 |
| 75° | 1906.5 | 2140.5 | 2291.6 | 2343.6 | 2407.2 | 2376.5 | 2340.9 | 2215.7 | 2216.4 | 2110.4 | 1990.0 |
| 77.5° | 1341.5 | 1377.7 | 1379.1 | 1379.8 | 1295.6 | 1246.4 | 1190.3 | 1118.5 | 1090.4 | 1034.3 | 957.7 |
| 80° | 1216.3 | 1212.2 | 1186.9 | 1156.1 | 1110.2 | 1044.6 | 976.9 | 929.7 | 892.7 | 851.0 | 796.3 |
| 82.5° | 1173.9 | 1183.4 | 1165.0 | 1139.0 | 1112.3 | 1047.3 | 969.3 | 895.4 | 834.6 | 768.2 | 701.2 |
| 85° | 571.9 | 588.3 | 641.7 | 676.5 | 684.8 | 644.4 | 589.0 | 521.9 | 457.6 | 385.1 | 351.6 |
| 87.5° | 171.7 | 184.0 | 188.1 | 199.7 | 214.1 | 195.0 | 171.7 | 153.9 | 123.8 | 107.4 | 84.1 |
| 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: P140952

CATALOG NUMBER: EMM-E02-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 |
| 2.5° | 620.5 | 621.1 | 621.1 | 620.5 | 621.1 | 621.1 | 621.8 | 621.1 | 621.1 | 621.1 | 620.5 |
| 5° | 634.1 | 636.9 | 636.2 | 636.2 | 637.6 | 637.6 | 636.9 | 638.2 | 637.6 | 637.6 | 636.9 |
| 7.5° | 660.1 | 660.1 | 662.2 | 662.9 | 661.5 | 661.5 | 662.9 | 663.5 | 664.9 | 665.6 | 665.6 |
| 10° | 690.2 | 693.6 | 693.6 | 694.3 | 695.0 | 697.1 | 697.8 | 697.8 | 699.1 | 699.1 | 700.5 |
| 12.5° | 727.2 | 728.5 | 729.9 | 733.3 | 734.0 | 734.0 | 737.4 | 736.7 | 736.7 | 740.2 | 740.8 |
| 15° | 766.8 | 768.9 | 772.3 | 773.7 | 775.1 | 778.5 | 780.5 | 782.6 | 781.9 | 786.7 | 788.0 |
| 17.5° | 801.7 | 803.8 | 807.9 | 811.3 | 813.4 | 815.4 | 816.8 | 819.5 | 823.6 | 827.0 | 827.7 |
| 20° | 829.8 | 832.5 | 837.3 | 841.4 | 844.8 | 846.9 | 852.4 | 855.1 | 856.5 | 859.2 | 862.6 |
| 22.5° | 857.1 | 861.9 | 866.7 | 868.1 | 875.6 | 877.7 | 881.8 | 885.9 | 888.6 | 894.8 | 896.8 |
| 25° | 891.3 | 895.4 | 901.6 | 905.7 | 910.5 | 914.6 | 918.7 | 922.1 | 928.3 | 933.8 | 936.5 |
| 27.5° | 936.5 | 939.9 | 944.7 | 952.2 | 956.3 | 959.1 | 966.6 | 973.4 | 976.2 | 981.6 | 986.4 |
| 30° | 996.0 | 999.4 | 1006.3 | 1013.8 | 1017.2 | 1026.1 | 1031.6 | 1036.4 | 1041.8 | 1049.4 | 1056.2 |
| 32.5° | 1082.9 | 1087.0 | 1093.1 | 1102.7 | 1102.7 | 1108.9 | 1120.5 | 1130.8 | 1134.9 | 1143.8 | 1148.6 |
| 35° | 1197.1 | 1197.8 | 1204.6 | 1219.0 | 1223.1 | 1221.7 | 1232.7 | 1242.3 | 1245.0 | 1258.7 | 1267.6 |
| 37.5° | 1307.9 | 1310.0 | 1318.2 | 1323.7 | 1331.2 | 1336.7 | 1344.2 | 1358.6 | 1358.6 | 1378.4 | 1386.6 |
| 40° | 1422.9 | 1433.1 | 1434.5 | 1435.9 | 1448.2 | 1470.1 | 1477.6 | 1492.0 | 1505.0 | 1524.1 | 1533.0 |
| 42.5° | 1589.8 | 1600.7 | 1613.7 | 1628.8 | 1647.2 | 1659.6 | 1673.9 | 1694.4 | 1699.9 | 1723.9 | 1730.0 |
| 45° | 1818.3 | 1831.3 | 1866.1 | 1869.6 | 1902.4 | 1918.8 | 1942.8 | 1970.1 | 1977.0 | 1992.7 | 1984.5 |
| 47.5° | 2046.1 | 2061.1 | 2099.4 | 2139.1 | 2169.2 | 2197.9 | 2204.8 | 2216.4 | 2226.6 | 2217.1 | 2219.8 |
| 50° | 2298.5 | 2320.4 | 2356.6 | 2391.5 | 2414.1 | 2446.9 | 2446.9 | 2449.7 | 2440.1 | 2424.3 | 2399.0 |
| 52.5° | 2594.0 | 2597.4 | 2620.7 | 2648.0 | 2668.6 | 2675.4 | 2675.4 | 2659.7 | 2636.4 | 2611.1 | 2561.8 |
| 55° | 3087.2 | 3049.6 | 3056.4 | 3056.4 | 3041.4 | 3029.1 | 3019.5 | 2981.2 | 2935.3 | 2889.5 | 2844.4 |
| 57.5° | 3975.8 | 4011.4 | 3905.4 | 3876.6 | 3878.0 | 3784.3 | 3746.0 | 3680.3 | 3631.0 | 3549.0 | 3479.9 |
| 60° | 5243.4 | 5218.8 | 5183.9 | 5151.0 | 5153.8 | 5030.0 | 4943.1 | 4845.3 | 4759.8 | 4579.2 | 4502.6 |
| 62.5° | 5914.5 | 6002.0 | 6052.0 | 6026.7 | 5968.5 | 5891.2 | 5748.9 | 5600.5 | 5450.0 | 5296.8 | 5159.3 |
| 64° | 5939.1 | 6054.7 | 6153.2 | 6194.3 | 6166.9 | 6069.1 | 5924.0 | 5739.3 | 5560.1 | 5379.5 | 5213.3 |
| 65° | 5820.1 | 5966.5 | 6093.7 | 6151.2 | 6152.5 | 6066.3 | 5921.3 | 5735.2 | 5543.7 | 5334.4 | 5161.3 |
| 67.5° | 5326.2 | 5494.5 | 5619.6 | 5716.1 | 5798.9 | 5755.1 | 5654.5 | 5456.8 | 5275.6 | 5038.2 | 4848.7 |
| 70° | 4585.3 | 4689.3 | 4830.2 | 4971.1 | 5037.5 | 5047.8 | 5010.1 | 4910.3 | 4698.2 | 4505.3 | 4261.1 |
| 72.5° | 3533.9 | 3695.3 | 3612.6 | 3699.5 | 3754.9 | 3700.8 | 3707.7 | 3537.3 | 3468.9 | 3299.3 | 3127.6 |
| 75° | 1871.6 | 1877.1 | 1841.5 | 1582.9 | 1550.8 | 1432.4 | 1563.8 | 1329.1 | 1249.1 | 1175.2 | 1080.1 |
| 77.5° | 868.1 | 755.9 | 651.2 | 543.8 | 444.6 | 389.2 | 303.7 | 267.5 | 240.8 | 212.1 | 218.2 |
| 80° | 725.8 | 639.6 | 547.9 | 454.2 | 381.7 | 308.5 | 247.6 | 192.2 | 153.9 | 129.3 | 117.7 |
| 82.5° | 642.3 | 566.4 | 502.8 | 445.3 | 393.3 | 321.5 | 264.1 | 203.9 | 156.7 | 118.3 | 91.7 |
| 85° | 290.0 | 227.1 | 206.6 | 162.8 | 138.2 | 117.7 | 93.7 | 77.3 | 63.6 | 54.0 | 42.4 |
| 87.5° | 67.7 | 46.5 | 39.7 | 37.6 | 32.8 | 30.8 | 26.0 | 27.4 | 22.6 | 17.8 | 18.5 |
| 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: P140952

CATALOG NUMBER: EMM-E02-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 | 617.7 |
| 2.5° | 620.5 | 620.5 | 621.1 | 621.1 | 621.8 | 623.2 | 625.2 | 623.2 | 623.2 | 623.2 | 623.9 |
| 5° | 638.2 | 638.9 | 638.2 | 638.2 | 639.6 | 641.7 | 642.3 | 638.2 | 636.2 | 634.1 | 631.4 |
| 7.5° | 664.2 | 667.0 | 666.3 | 666.3 | 667.7 | 667.7 | 666.3 | 660.1 | 654.0 | 644.4 | 636.2 |
| 10° | 700.5 | 701.9 | 701.9 | 701.9 | 703.9 | 705.3 | 699.1 | 685.4 | 669.0 | 651.9 | 636.9 |
| 12.5° | 743.6 | 742.9 | 745.0 | 747.0 | 745.6 | 745.6 | 734.0 | 712.8 | 686.1 | 658.1 | 632.1 |
| 15° | 788.7 | 789.4 | 789.4 | 792.8 | 793.5 | 790.8 | 772.3 | 739.5 | 698.4 | 656.0 | 614.3 |
| 17.5° | 831.1 | 832.5 | 833.2 | 835.9 | 839.4 | 831.8 | 805.2 | 760.7 | 700.5 | 636.9 | 580.8 |
| 20° | 866.7 | 868.8 | 870.8 | 872.9 | 876.3 | 870.8 | 835.2 | 770.9 | 689.5 | 606.1 | 541.8 |
| 22.5° | 898.9 | 902.3 | 903.7 | 907.1 | 912.5 | 905.7 | 862.6 | 770.9 | 664.9 | 572.6 | 498.0 |
| 25° | 937.9 | 942.0 | 948.8 | 950.2 | 959.8 | 952.2 | 884.5 | 765.5 | 636.9 | 530.2 | 450.8 |
| 27.5° | 989.2 | 993.3 | 999.4 | 1002.8 | 1014.5 | 1004.2 | 900.9 | 751.1 | 602.0 | 484.3 | 405.0 |
| 30° | 1056.9 | 1061.0 | 1068.5 | 1071.9 | 1093.1 | 1058.9 | 911.9 | 729.2 | 561.6 | 431.0 | 352.3 |
| 32.5° | 1151.3 | 1162.2 | 1161.6 | 1170.4 | 1189.6 | 1119.8 | 916.7 | 698.4 | 511.0 | 376.9 | 303.0 |
| 35° | 1275.1 | 1282.6 | 1289.5 | 1301.8 | 1310.7 | 1184.8 | 913.2 | 658.1 | 448.1 | 320.8 | 259.9 |
| 37.5° | 1394.1 | 1407.1 | 1411.9 | 1420.1 | 1418.1 | 1228.6 | 899.6 | 595.1 | 379.7 | 270.9 | 230.5 |
| 40° | 1542.6 | 1550.1 | 1565.2 | 1572.7 | 1536.4 | 1270.3 | 867.4 | 511.0 | 311.3 | 238.1 | 211.4 |
| 42.5° | 1740.3 | 1749.9 | 1742.3 | 1740.3 | 1670.5 | 1293.6 | 805.8 | 426.9 | 260.6 | 214.1 | 195.6 |
| 45° | 1980.4 | 1984.5 | 1961.9 | 1946.9 | 1825.1 | 1291.5 | 716.2 | 347.5 | 225.7 | 196.3 | 182.0 |
| 47.5° | 2197.2 | 2189.0 | 2159.6 | 2137.0 | 1959.2 | 1243.6 | 604.0 | 286.6 | 207.3 | 182.0 | 171.0 |
| 50° | 2376.5 | 2340.2 | 2308.7 | 2280.0 | 2066.6 | 1170.4 | 496.6 | 241.5 | 189.5 | 170.3 | 160.1 |
| 52.5° | 2538.6 | 2489.3 | 2452.4 | 2403.8 | 2164.4 | 1074.0 | 411.1 | 210.7 | 171.7 | 158.7 | 148.4 |
| 55° | 2778.7 | 2721.2 | 2674.0 | 2626.1 | 2337.5 | 998.7 | 355.7 | 187.4 | 153.9 | 146.4 | 136.8 |
| 57.5° | 3467.6 | 3313.6 | 3271.9 | 3228.8 | 2801.3 | 982.3 | 323.6 | 169.0 | 140.2 | 134.8 | 128.6 |
| 60° | 4409.5 | 4309.6 | 4242.6 | 4137.3 | 3571.5 | 1035.0 | 299.6 | 155.3 | 130.7 | 127.2 | 121.8 |
| 62.5° | 5023.8 | 4903.4 | 4792.6 | 4685.2 | 4023.7 | 1033.6 | 270.2 | 146.4 | 125.2 | 124.5 | 116.3 |
| 64° | 5062.8 | 4928.0 | 4804.2 | 4688.6 | 4038.1 | 965.9 | 243.5 | 140.2 | 125.2 | 125.2 | 112.9 |
| 65° | 4998.5 | 4863.1 | 4735.1 | 4614.7 | 3956.0 | 913.9 | 225.7 | 137.5 | 127.2 | 126.6 | 110.8 |
| 67.5° | 4670.8 | 4534.7 | 4391.0 | 4261.8 | 3608.5 | 716.2 | 178.5 | 132.7 | 138.2 | 133.4 | 108.8 |
| 70° | 4091.4 | 3936.8 | 3828.7 | 3735.7 | 3097.5 | 500.1 | 141.6 | 135.4 | 151.2 | 141.6 | 114.2 |
| 72.5° | 2965.4 | 2839.6 | 2838.2 | 2732.9 | 2345.0 | 317.4 | 114.2 | 134.8 | 150.5 | 140.2 | 118.3 |
| 75° | 1152.0 | 987.8 | 982.3 | 1019.3 | 997.4 | 171.7 | 98.5 | 119.0 | 123.1 | 117.0 | 104.7 |
| 77.5° | 197.0 | 193.6 | 191.5 | 201.8 | 222.3 | 95.1 | 90.3 | 101.2 | 91.7 | 82.8 | 86.9 |
| 80° | 109.5 | 104.7 | 103.3 | 103.3 | 97.1 | 78.0 | 80.0 | 80.7 | 66.4 | 61.6 | 71.8 |
| 82.5° | 75.9 | 70.5 | 67.7 | 65.7 | 63.6 | 69.8 | 71.1 | 63.6 | 47.9 | 47.2 | 67.0 |
| 85° | 36.9 | 34.9 | 34.2 | 34.2 | 39.0 | 65.7 | 58.8 | 49.3 | 32.2 | 32.2 | 72.5 |
| 87.5° | 15.7 | 15.7 | 13.7 | 13.7 | 21.2 | 41.7 | 26.7 | 20.5 | 13.0 | 15.0 | 29.4 |
| 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: P140952

CATALOG NUMBER: EMM-E02-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 617.7 | 617.7 | 617.7 |
| 2.5° | 623.2 | 624.6 | 623.9 |
| 5° | 628.0 | 628.0 | 626.6 |
| 7.5° | 627.3 | 624.6 | 623.2 |
| 10° | 623.2 | 615.7 | 615.0 |
| 12.5° | 612.2 | 599.9 | 596.5 |
| 15° | 580.8 | 564.4 | 560.3 |
| 17.5° | 541.1 | 521.9 | 516.5 |
| 20° | 496.0 | 474.1 | 466.5 |
| 22.5° | 452.2 | 426.9 | 419.3 |
| 25° | 404.3 | 379.0 | 374.9 |
| 27.5° | 351.6 | 327.7 | 321.5 |
| 30° | 303.0 | 282.5 | 277.7 |
| 32.5° | 259.3 | 244.9 | 244.9 |
| 35° | 230.5 | 218.2 | 218.2 |
| 37.5° | 208.0 | 202.5 | 201.8 |
| 40° | 192.9 | 188.1 | 187.4 |
| 42.5° | 181.3 | 175.8 | 175.1 |
| 45° | 169.0 | 163.5 | 163.5 |
| 47.5° | 157.3 | 151.2 | 151.9 |
| 50° | 145.7 | 140.9 | 140.9 |
| 52.5° | 136.1 | 131.3 | 130.7 |
| 55° | 127.2 | 122.4 | 121.8 |
| 57.5° | 119.0 | 113.6 | 112.9 |
| 60° | 110.8 | 105.3 | 104.0 |
| 62.5° | 104.0 | 97.8 | 96.5 |
| 64° | 99.9 | 93.7 | 92.3 |
| 65° | 97.8 | 91.0 | 90.3 |
| 67.5° | 95.8 | 86.9 | 86.2 |
| 70° | 103.3 | 85.5 | 82.1 |
| 72.5° | 104.0 | 83.5 | 79.4 |
| 75° | 98.5 | 79.4 | 75.9 |
| 77.5° | 86.9 | 72.5 | 68.4 |
| 80° | 83.5 | 56.8 | 49.9 |
| 82.5° | 76.6 | 46.5 | 39.0 |
| 85° | 62.9 | 30.1 | 28.0 |
| 87.5° | 36.3 | 19.8 | 14.4 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)