

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: P162599

Luminaire Tested: **ECM-E02-LED-E1-SL4-HSS-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P162599
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-E02-LED-E1-SL4-HSS-7060
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3970.3 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

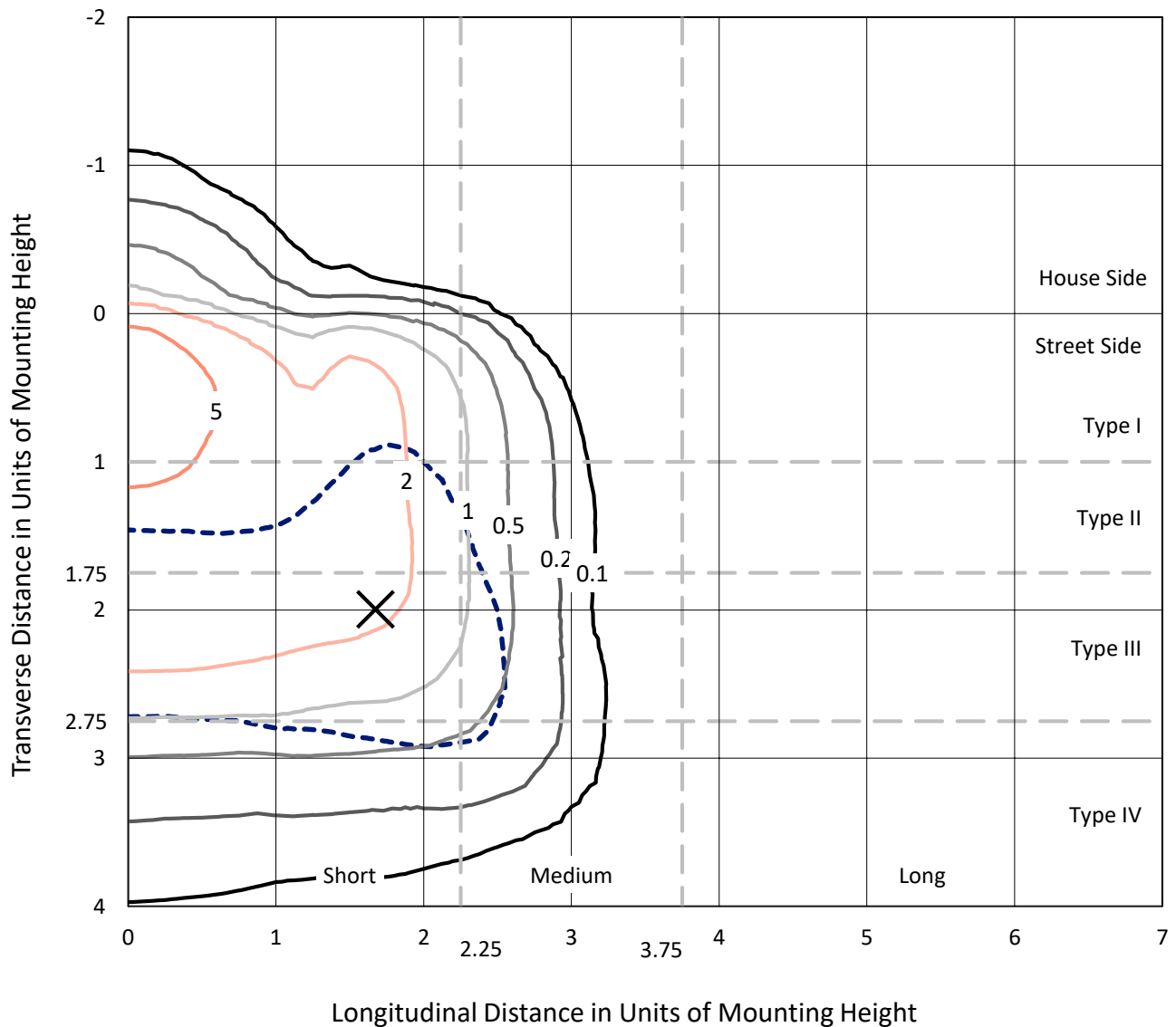
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

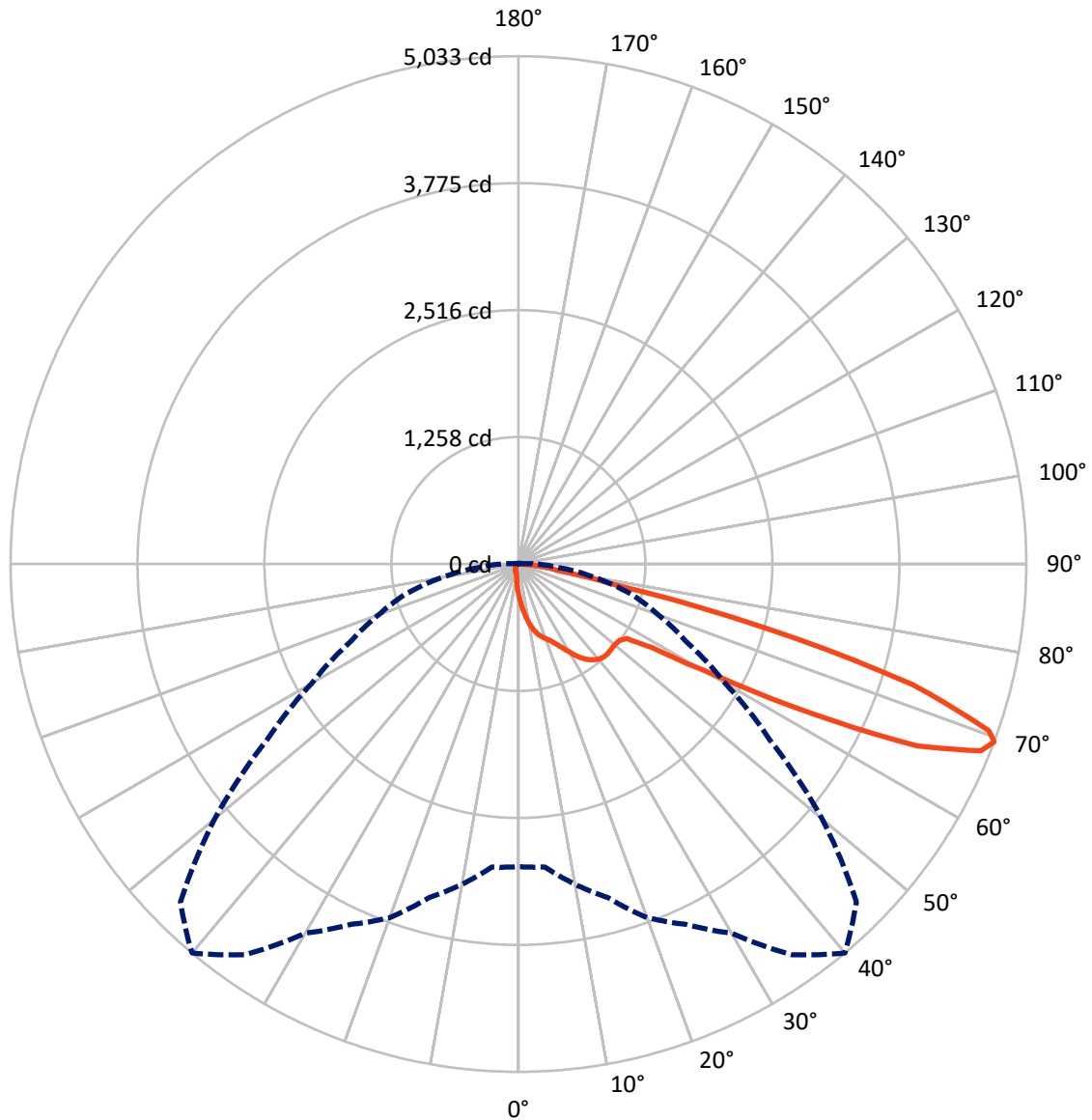
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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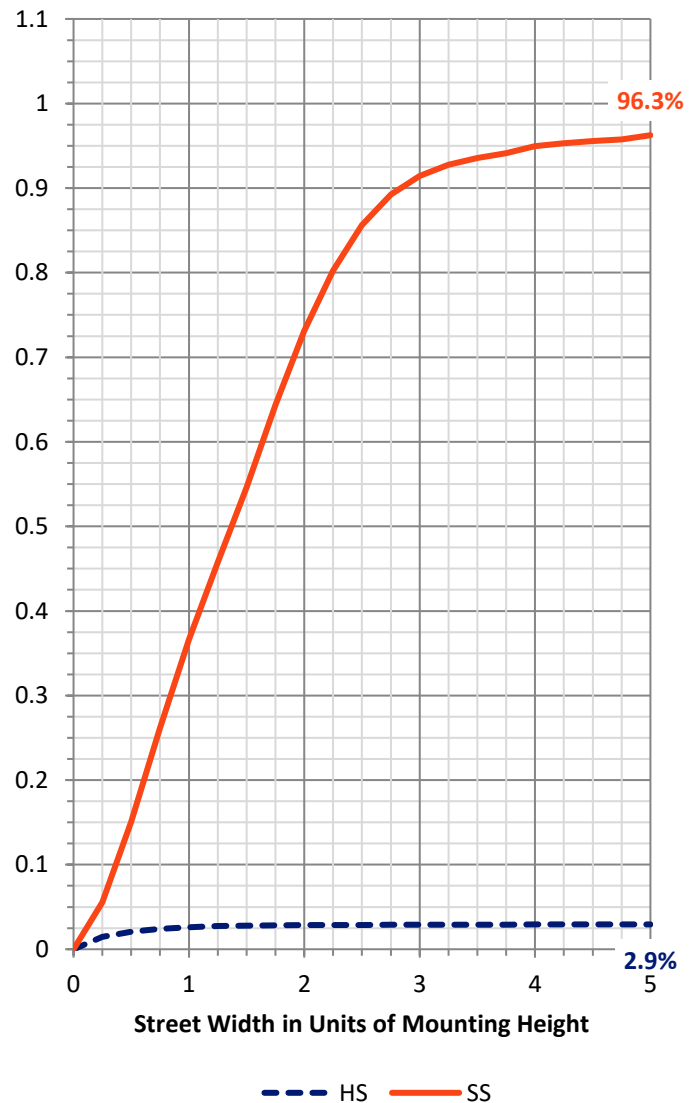
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 118.3 | 0.0 | 118.3 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 3852.0 | 0.0 | 3852.0 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 3970.3 | 0.0 | 3970.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 30.8 | 0.8 |
| 10°-20° | 106.3 | 2.7 |
| 20°-30° | 203.4 | 5.1 |
| 30°-40° | 338.2 | 8.5 |
| 40°-50° | 457.6 | 11.5 |
| 50°-60° | 715.7 | 18.0 |
| 60°-70° | 1471.4 | 37.1 |
| 70°-80° | 592.1 | 14.9 |
| 80°-90° | 54.8 | 1.4 |
| 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° | 3970.3 | 100.0 |
| 0°-180° | 3970.3 | 100.0 |



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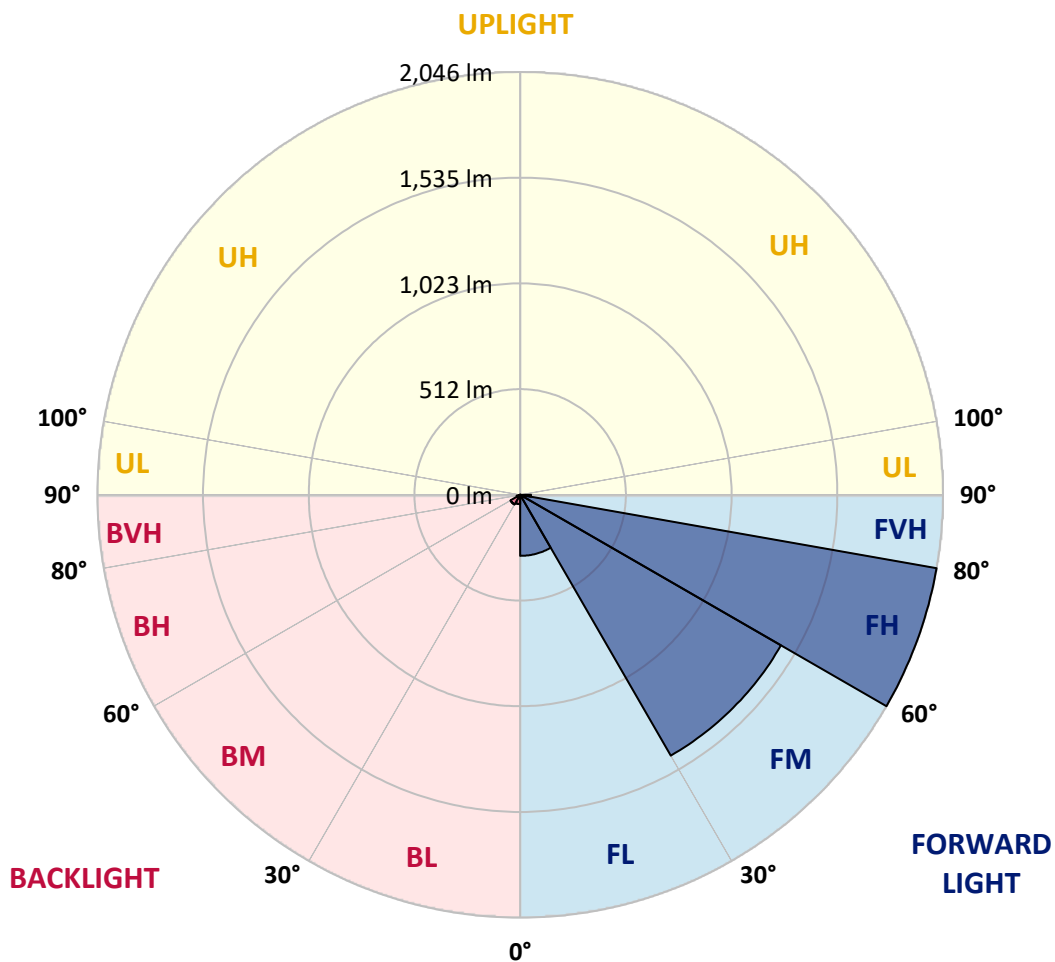
CATALOG NUMBER: ECM-E02-LED-E1-SL4-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 295.5 | 7.4 | | | |
| FM | (30°-60°) | 1457.5 | 36.7 | | | |
| FH | (60°-80°) | 2046.3 | 51.5 | | | G2/5000 |
| FVH | (80°-90°) | 52.7 | 1.3 | | | G1/100 |
| BL | (0°-30°) | 45.0 | 1.1 | B0/110 | | |
| BM | (30°-60°) | 54.0 | 1.4 | B0/220 | | |
| BH | (60°-80°) | 17.3 | 0.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 2.0 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G2

Type IV Short





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 CATALOG NUMBER: ECM-E02-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 |
| 2.5° | 400.0 | 395.5 | 390.3 | 390.3 | 383.7 | 383.7 | 379.8 | 369.4 | 368.1 | 362.3 | 356.4 |
| 5° | 510.5 | 506.6 | 500.1 | 494.3 | 489.1 | 480.0 | 473.5 | 461.1 | 447.5 | 434.5 | 422.8 |
| 7.5° | 618.5 | 616.6 | 604.9 | 602.9 | 594.5 | 579.5 | 566.5 | 548.3 | 524.9 | 506.6 | 485.2 |
| 10° | 718.7 | 714.1 | 711.5 | 700.5 | 688.1 | 671.8 | 651.7 | 629.5 | 602.3 | 573.7 | 543.1 |
| 12.5° | 798.0 | 795.4 | 783.7 | 779.2 | 766.2 | 749.9 | 724.5 | 695.9 | 668.6 | 631.5 | 595.8 |
| 15° | 857.2 | 852.6 | 844.8 | 837.7 | 822.1 | 807.8 | 784.4 | 753.2 | 720.0 | 679.6 | 636.7 |
| 17.5° | 906.7 | 898.2 | 896.2 | 885.2 | 868.9 | 852.0 | 826.0 | 797.4 | 758.4 | 718.0 | 671.2 |
| 20° | 973.0 | 961.3 | 957.4 | 941.1 | 922.3 | 898.9 | 868.9 | 833.1 | 792.2 | 748.0 | 699.8 |
| 22.5° | 1051.0 | 1042.6 | 1034.1 | 1019.8 | 995.7 | 962.6 | 919.0 | 880.0 | 827.9 | 779.2 | 727.1 |
| 25° | 1161.6 | 1154.4 | 1140.8 | 1121.3 | 1091.4 | 1051.7 | 999.0 | 941.8 | 880.6 | 818.2 | 757.1 |
| 27.5° | 1268.9 | 1262.4 | 1252.7 | 1237.7 | 1203.9 | 1160.3 | 1095.3 | 1022.4 | 945.0 | 869.6 | 801.9 |
| 30° | 1369.7 | 1363.8 | 1354.1 | 1339.1 | 1309.2 | 1266.3 | 1192.8 | 1114.8 | 1018.5 | 930.7 | 849.4 |
| 32.5° | 1478.3 | 1476.4 | 1465.3 | 1443.9 | 1417.9 | 1359.9 | 1280.0 | 1196.0 | 1098.5 | 997.0 | 902.1 |
| 35° | 1601.3 | 1586.3 | 1575.9 | 1554.4 | 1510.2 | 1448.4 | 1354.7 | 1263.1 | 1160.3 | 1056.2 | 950.2 |
| 37.5° | 1705.3 | 1691.0 | 1678.0 | 1650.7 | 1596.7 | 1518.0 | 1412.0 | 1311.2 | 1205.2 | 1099.2 | 991.2 |
| 40° | 1781.4 | 1774.3 | 1758.7 | 1722.9 | 1662.4 | 1568.7 | 1454.3 | 1344.3 | 1237.7 | 1131.0 | 1024.3 |
| 42.5° | 1838.0 | 1826.9 | 1809.4 | 1772.3 | 1700.7 | 1594.1 | 1471.2 | 1358.0 | 1252.7 | 1150.5 | 1045.8 |
| 45° | 1858.8 | 1849.7 | 1833.4 | 1793.1 | 1715.7 | 1601.3 | 1470.5 | 1354.1 | 1253.3 | 1156.4 | 1060.1 |
| 47.5° | 1846.4 | 1837.3 | 1823.0 | 1785.3 | 1709.2 | 1592.8 | 1458.8 | 1343.0 | 1246.8 | 1158.3 | 1073.2 |
| 50° | 1805.5 | 1800.3 | 1789.2 | 1757.4 | 1689.0 | 1576.5 | 1448.4 | 1337.2 | 1245.5 | 1168.1 | 1091.4 |
| 52.5° | 1801.6 | 1798.4 | 1784.7 | 1752.8 | 1683.2 | 1571.3 | 1447.1 | 1340.4 | 1256.6 | 1180.4 | 1104.4 |
| 55° | 2201.5 | 2155.4 | 2051.9 | 1964.2 | 1819.8 | 1648.1 | 1512.8 | 1393.1 | 1303.4 | 1229.2 | 1175.9 |
| 57.5° | 3129.0 | 3060.1 | 2924.1 | 2757.0 | 2425.3 | 2099.5 | 1838.6 | 1650.0 | 1557.0 | 1523.2 | 1543.4 |
| 60° | 3563.5 | 3551.1 | 3529.7 | 3450.3 | 3280.5 | 3000.3 | 2688.1 | 2350.5 | 2215.2 | 2203.5 | 2244.5 |
| 62.5° | 3769.6 | 3761.8 | 3768.3 | 3758.6 | 3705.9 | 3623.9 | 3534.2 | 3388.5 | 3254.5 | 3168.1 | 2984.6 |
| 65° | 3864.6 | 3869.8 | 3906.9 | 3936.1 | 3942.6 | 3964.1 | 4029.8 | 4211.3 | 4343.9 | 4120.8 | 3611.6 |
| 67.5° | 3623.3 | 3653.9 | 3739.1 | 3845.7 | 3970.6 | 4091.6 | 4286.7 | 4669.1 | 4941.7 | 4679.5 | 3956.3 |
| 69° | 2999.6 | 3014.6 | 3222.7 | 3423.6 | 3728.7 | 3942.0 | 4224.9 | 4726.4 | 5032.7 | 4736.8 | 3929.0 |
| 70° | 2361.5 | 2375.2 | 2598.3 | 2871.5 | 3387.2 | 3661.7 | 4031.8 | 4629.4 | 4947.5 | 4660.6 | 3788.5 |
| 72.5° | 1065.3 | 1045.8 | 1124.5 | 1270.9 | 1831.5 | 2267.2 | 2914.4 | 3750.8 | 4081.8 | 3733.9 | 2834.4 |
| 75° | 744.1 | 735.6 | 744.1 | 744.7 | 831.8 | 1073.2 | 1354.1 | 2033.1 | 2514.4 | 2169.7 | 1354.1 |
| 77.5° | 576.3 | 570.4 | 564.6 | 558.1 | 568.5 | 636.7 | 664.0 | 721.3 | 936.6 | 885.8 | 516.4 |
| 80° | 455.9 | 450.7 | 465.0 | 460.4 | 460.4 | 468.2 | 463.0 | 441.6 | 401.3 | 372.0 | 333.0 |
| 82.5° | 212.0 | 213.3 | 213.3 | 231.6 | 279.0 | 325.8 | 340.8 | 319.3 | 283.5 | 241.3 | 194.5 |
| 85° | 20.2 | 22.8 | 38.4 | 59.2 | 117.7 | 132.7 | 133.3 | 110.5 | 110.5 | 87.2 | 70.3 |
| 87.5° | 0.0 | 0.7 | 0.7 | 0.7 | 5.9 | 16.3 | 13.7 | 3.9 | 2.0 | 2.0 | 3.3 |
| 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: P162599
 CATALOG NUMBER: ECM-E02-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 |
| 2.5° | 346.0 | 344.1 | 336.2 | 328.4 | 321.3 | 313.5 | 306.3 | 299.1 | 291.3 | 285.5 | 278.3 |
| 5° | 404.6 | 390.3 | 374.0 | 358.4 | 342.8 | 326.5 | 309.6 | 294.6 | 279.0 | 264.7 | 251.1 |
| 7.5° | 463.7 | 435.8 | 413.7 | 385.7 | 360.3 | 334.9 | 311.5 | 287.4 | 265.4 | 244.6 | 225.1 |
| 10° | 513.8 | 480.0 | 445.5 | 409.8 | 373.3 | 339.5 | 307.0 | 278.3 | 249.1 | 223.8 | 199.7 |
| 12.5° | 554.8 | 511.8 | 469.5 | 424.7 | 383.7 | 340.8 | 300.5 | 266.0 | 231.6 | 202.9 | 178.2 |
| 15° | 591.9 | 542.4 | 491.7 | 439.7 | 387.7 | 338.8 | 293.9 | 251.1 | 216.0 | 183.4 | 155.4 |
| 17.5° | 621.8 | 565.2 | 507.9 | 449.4 | 393.5 | 336.2 | 285.5 | 240.7 | 199.7 | 165.8 | 138.5 |
| 20° | 647.8 | 588.6 | 526.8 | 461.1 | 397.4 | 335.6 | 278.3 | 227.7 | 185.4 | 149.6 | 122.9 |
| 22.5° | 671.8 | 612.7 | 546.3 | 476.1 | 403.3 | 334.9 | 271.8 | 217.9 | 173.0 | 137.2 | 110.5 |
| 25° | 699.2 | 636.7 | 567.2 | 491.7 | 413.7 | 337.5 | 268.0 | 210.1 | 161.9 | 125.5 | 100.8 |
| 27.5° | 729.8 | 664.0 | 591.9 | 511.2 | 427.3 | 342.8 | 266.7 | 201.6 | 152.2 | 114.4 | 93.0 |
| 30° | 772.7 | 696.6 | 616.6 | 530.7 | 439.7 | 348.6 | 265.4 | 196.4 | 142.4 | 106.0 | 85.2 |
| 32.5° | 810.3 | 728.5 | 643.9 | 550.9 | 453.3 | 354.5 | 264.7 | 189.3 | 133.3 | 97.5 | 79.4 |
| 35° | 850.0 | 757.7 | 667.3 | 570.4 | 465.0 | 361.0 | 264.1 | 184.1 | 124.8 | 89.1 | 73.5 |
| 37.5° | 884.5 | 782.4 | 685.5 | 587.3 | 478.0 | 366.8 | 264.7 | 179.5 | 117.0 | 82.0 | 68.3 |
| 40° | 913.8 | 807.8 | 705.7 | 602.9 | 491.7 | 375.9 | 265.4 | 175.0 | 109.2 | 75.5 | 63.8 |
| 42.5° | 939.8 | 831.8 | 727.1 | 620.5 | 507.3 | 386.4 | 269.3 | 171.0 | 102.7 | 69.6 | 59.2 |
| 45° | 960.0 | 853.9 | 750.6 | 645.2 | 532.7 | 403.3 | 276.4 | 168.4 | 96.2 | 64.4 | 55.3 |
| 47.5° | 980.8 | 886.5 | 790.2 | 684.2 | 569.8 | 429.9 | 288.7 | 167.8 | 91.0 | 60.5 | 52.1 |
| 50° | 1009.4 | 919.0 | 825.3 | 723.9 | 603.6 | 457.2 | 303.7 | 168.4 | 84.6 | 56.6 | 48.8 |
| 52.5° | 1030.2 | 952.2 | 870.9 | 792.8 | 684.2 | 540.5 | 361.6 | 180.2 | 81.3 | 53.4 | 44.9 |
| 55° | 1153.1 | 1139.5 | 1141.4 | 1154.4 | 1070.6 | 919.7 | 604.9 | 260.2 | 95.6 | 60.5 | 44.3 |
| 57.5° | 1626.0 | 1674.1 | 1702.0 | 1701.4 | 1562.9 | 1296.2 | 812.3 | 334.3 | 106.6 | 70.3 | 52.7 |
| 60° | 2247.7 | 2211.3 | 2160.0 | 2033.1 | 1849.0 | 1479.6 | 908.6 | 359.7 | 92.3 | 56.0 | 48.2 |
| 62.5° | 2797.3 | 2584.0 | 2394.7 | 2189.2 | 1947.9 | 1543.4 | 928.1 | 357.7 | 80.7 | 42.3 | 33.8 |
| 65° | 3140.1 | 2756.3 | 2450.7 | 2193.1 | 1908.9 | 1490.0 | 878.0 | 328.4 | 68.3 | 34.5 | 28.0 |
| 67.5° | 3222.0 | 2663.4 | 2230.8 | 1902.4 | 1594.8 | 1159.6 | 644.5 | 247.2 | 53.4 | 28.6 | 24.7 |
| 69° | 3043.2 | 2367.4 | 1848.4 | 1475.7 | 1160.3 | 769.4 | 398.7 | 156.1 | 41.0 | 26.0 | 22.8 |
| 70° | 2799.3 | 2059.1 | 1505.6 | 1184.3 | 859.2 | 540.5 | 279.0 | 109.9 | 33.2 | 24.1 | 20.8 |
| 72.5° | 1801.0 | 1081.6 | 740.2 | 515.1 | 354.5 | 215.3 | 109.2 | 49.5 | 25.4 | 20.2 | 16.9 |
| 75° | 698.5 | 400.0 | 290.0 | 220.5 | 172.4 | 119.6 | 66.4 | 31.9 | 21.5 | 16.9 | 13.0 |
| 77.5° | 344.1 | 263.4 | 215.3 | 147.6 | 85.9 | 53.4 | 35.8 | 24.7 | 17.6 | 12.4 | 8.5 |
| 80° | 271.8 | 180.8 | 107.9 | 67.0 | 50.8 | 38.4 | 27.3 | 20.2 | 13.0 | 7.8 | 5.9 |
| 82.5° | 139.2 | 76.1 | 56.0 | 45.6 | 37.7 | 29.9 | 22.1 | 14.3 | 8.5 | 5.2 | 4.6 |
| 85° | 43.6 | 31.9 | 28.6 | 28.0 | 26.0 | 21.5 | 15.6 | 9.1 | 5.2 | 3.3 | 3.3 |
| 87.5° | 3.3 | 4.6 | 5.9 | 4.6 | 5.2 | 4.6 | 5.9 | 3.9 | 2.6 | 2.6 | 2.0 |
| 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: ECM-E02-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 | 299.8 |
| 2.5° | 273.1 | 265.4 | 258.2 | 253.7 | 245.2 | 242.0 | 238.7 | 237.4 | 231.6 | 232.9 | 227.7 |
| 5° | 238.7 | 225.1 | 214.7 | 204.2 | 194.5 | 187.3 | 181.5 | 174.3 | 168.4 | 165.8 | 160.6 |
| 7.5° | 207.5 | 189.9 | 176.3 | 165.2 | 153.5 | 144.4 | 136.6 | 131.4 | 126.1 | 120.9 | 118.3 |
| 10° | 180.2 | 161.3 | 145.7 | 134.6 | 123.5 | 115.7 | 109.9 | 106.0 | 102.7 | 100.8 | 100.1 |
| 12.5° | 154.8 | 136.6 | 122.2 | 112.5 | 104.0 | 100.1 | 97.5 | 95.6 | 94.9 | 94.3 | 94.3 |
| 15° | 135.3 | 117.0 | 106.0 | 98.8 | 94.9 | 93.0 | 92.3 | 91.0 | 89.8 | 89.1 | 89.1 |
| 17.5° | 117.0 | 103.4 | 95.6 | 91.7 | 89.8 | 88.5 | 87.2 | 85.9 | 84.6 | 83.9 | 83.9 |
| 20° | 104.7 | 93.6 | 89.8 | 87.2 | 85.2 | 83.9 | 82.0 | 80.7 | 80.0 | 79.4 | 78.7 |
| 22.5° | 94.9 | 87.8 | 85.2 | 83.3 | 80.7 | 78.7 | 77.4 | 76.1 | 74.8 | 74.2 | 73.5 |
| 25° | 87.8 | 83.3 | 81.3 | 78.7 | 76.1 | 74.2 | 72.2 | 70.3 | 69.0 | 68.3 | 67.0 |
| 27.5° | 82.6 | 79.4 | 76.8 | 73.5 | 70.9 | 69.0 | 67.0 | 65.1 | 63.8 | 62.5 | 61.8 |
| 30° | 78.1 | 74.8 | 71.6 | 69.0 | 65.7 | 63.8 | 61.2 | 59.2 | 58.6 | 57.3 | 56.0 |
| 32.5° | 73.5 | 70.3 | 67.0 | 63.8 | 60.5 | 57.9 | 56.6 | 54.0 | 52.7 | 52.1 | 50.8 |
| 35° | 68.3 | 65.1 | 61.2 | 58.6 | 55.3 | 52.7 | 50.8 | 48.8 | 47.5 | 46.2 | 45.6 |
| 37.5° | 63.8 | 59.9 | 56.0 | 52.7 | 50.1 | 47.5 | 45.6 | 43.6 | 42.3 | 41.0 | 40.3 |
| 40° | 58.6 | 54.7 | 50.8 | 47.5 | 44.9 | 43.0 | 41.0 | 39.0 | 37.7 | 37.1 | 37.1 |
| 42.5° | 54.0 | 49.5 | 45.6 | 43.0 | 41.0 | 38.4 | 36.4 | 34.5 | 33.8 | 33.2 | 33.8 |
| 45° | 49.5 | 44.9 | 41.6 | 39.0 | 37.1 | 34.5 | 32.5 | 31.2 | 30.6 | 31.2 | 31.9 |
| 47.5° | 45.6 | 41.0 | 37.7 | 35.8 | 33.8 | 31.9 | 29.9 | 28.6 | 28.6 | 29.9 | 31.2 |
| 50° | 41.6 | 37.1 | 34.5 | 33.2 | 31.2 | 29.3 | 26.7 | 26.0 | 26.7 | 28.0 | 29.3 |
| 52.5° | 37.7 | 32.5 | 30.6 | 29.9 | 28.0 | 26.0 | 24.1 | 23.4 | 24.1 | 25.4 | 24.7 |
| 55° | 33.8 | 28.6 | 28.0 | 27.3 | 25.4 | 22.8 | 20.8 | 20.8 | 20.8 | 20.2 | 18.9 |
| 57.5° | 32.5 | 25.4 | 24.7 | 24.1 | 22.1 | 19.5 | 18.2 | 16.9 | 16.3 | 14.3 | 13.7 |
| 60° | 33.8 | 22.8 | 22.8 | 21.5 | 19.5 | 16.9 | 15.0 | 13.0 | 11.7 | 10.4 | 10.4 |
| 62.5° | 27.3 | 20.8 | 20.2 | 18.9 | 16.3 | 13.7 | 11.7 | 9.8 | 9.1 | 8.5 | 8.5 |
| 65° | 22.1 | 18.9 | 17.6 | 15.6 | 13.7 | 11.1 | 9.1 | 7.8 | 7.2 | 7.2 | 7.8 |
| 67.5° | 20.2 | 16.9 | 15.0 | 13.0 | 11.1 | 8.5 | 7.2 | 6.5 | 6.5 | 7.2 | 7.2 |
| 69° | 18.9 | 15.6 | 13.7 | 11.7 | 9.8 | 7.8 | 6.5 | 6.5 | 6.5 | 6.5 | 7.2 |
| 70° | 17.6 | 15.0 | 13.0 | 11.1 | 8.5 | 6.5 | 5.9 | 5.9 | 6.5 | 6.5 | 7.2 |
| 72.5° | 13.7 | 11.7 | 11.1 | 9.1 | 6.5 | 5.9 | 5.2 | 5.9 | 5.9 | 6.5 | 6.5 |
| 75° | 10.4 | 8.5 | 8.5 | 7.2 | 5.2 | 4.6 | 4.6 | 5.2 | 5.2 | 5.9 | 5.9 |
| 77.5° | 7.2 | 5.9 | 5.9 | 5.2 | 4.6 | 3.9 | 3.9 | 4.6 | 5.2 | 5.2 | 5.9 |
| 80° | 5.2 | 4.6 | 3.9 | 4.6 | 3.9 | 3.3 | 3.9 | 4.6 | 4.6 | 5.2 | 5.2 |
| 82.5° | 3.9 | 3.9 | 3.9 | 3.9 | 3.3 | 3.3 | 3.9 | 3.9 | 4.6 | 5.2 | 5.2 |
| 85° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.9 | 3.9 | 4.6 | 4.6 |
| 87.5° | 2.0 | 2.0 | 2.0 | 2.6 | 2.6 | 3.3 | 3.3 | 3.3 | 3.3 | 3.9 | 3.9 |
| 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: P162599

CATALOG NUMBER: ECM-E02-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 299.8 | 299.8 | 299.8 | 299.8 |
| 2.5° | 226.4 | 225.7 | 223.1 | 223.8 |
| 5° | 158.7 | 154.8 | 157.4 | 156.7 |
| 7.5° | 116.4 | 115.7 | 115.1 | 116.4 |
| 10° | 99.5 | 99.5 | 98.8 | 99.5 |
| 12.5° | 93.6 | 93.6 | 93.6 | 93.6 |
| 15° | 89.1 | 89.1 | 88.5 | 88.5 |
| 17.5° | 83.9 | 83.9 | 83.9 | 83.3 |
| 20° | 78.7 | 78.1 | 78.1 | 78.1 |
| 22.5° | 72.9 | 72.2 | 72.2 | 72.2 |
| 25° | 67.0 | 66.4 | 66.4 | 66.4 |
| 27.5° | 61.2 | 60.5 | 59.9 | 59.9 |
| 30° | 55.3 | 54.7 | 54.0 | 54.0 |
| 32.5° | 49.5 | 48.8 | 48.2 | 48.2 |
| 35° | 44.3 | 44.3 | 43.6 | 43.0 |
| 37.5° | 39.7 | 39.7 | 39.7 | 39.7 |
| 40° | 36.4 | 37.1 | 37.1 | 37.1 |
| 42.5° | 34.5 | 35.1 | 35.8 | 36.4 |
| 45° | 33.2 | 34.5 | 35.1 | 35.1 |
| 47.5° | 32.5 | 33.2 | 33.8 | 33.8 |
| 50° | 29.9 | 29.3 | 29.3 | 29.3 |
| 52.5° | 24.1 | 22.8 | 22.1 | 21.5 |
| 55° | 17.6 | 16.9 | 15.6 | 15.6 |
| 57.5° | 12.4 | 12.4 | 11.7 | 11.7 |
| 60° | 9.8 | 9.8 | 9.1 | 9.8 |
| 62.5° | 8.5 | 8.5 | 8.5 | 8.5 |
| 65° | 7.8 | 7.8 | 7.8 | 7.8 |
| 67.5° | 7.8 | 7.8 | 7.8 | 7.8 |
| 69° | 7.2 | 7.2 | 7.2 | 7.2 |
| 70° | 7.2 | 7.2 | 7.2 | 7.2 |
| 72.5° | 6.5 | 6.5 | 6.5 | 6.5 |
| 75° | 5.9 | 6.5 | 6.5 | 6.5 |
| 77.5° | 5.9 | 5.9 | 5.9 | 5.9 |
| 80° | 5.2 | 5.2 | 5.9 | 5.9 |
| 82.5° | 5.2 | 5.2 | 5.2 | 5.2 |
| 85° | 4.6 | 4.6 | 5.2 | 5.2 |
| 87.5° | 3.9 | 3.9 | 4.6 | 4.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)