

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: P162647

Luminaire Tested: **EMM-E03-LED-E1-SL4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P162647
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: EMM-E03-LED-E1-SL4-HSS
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5803.9 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

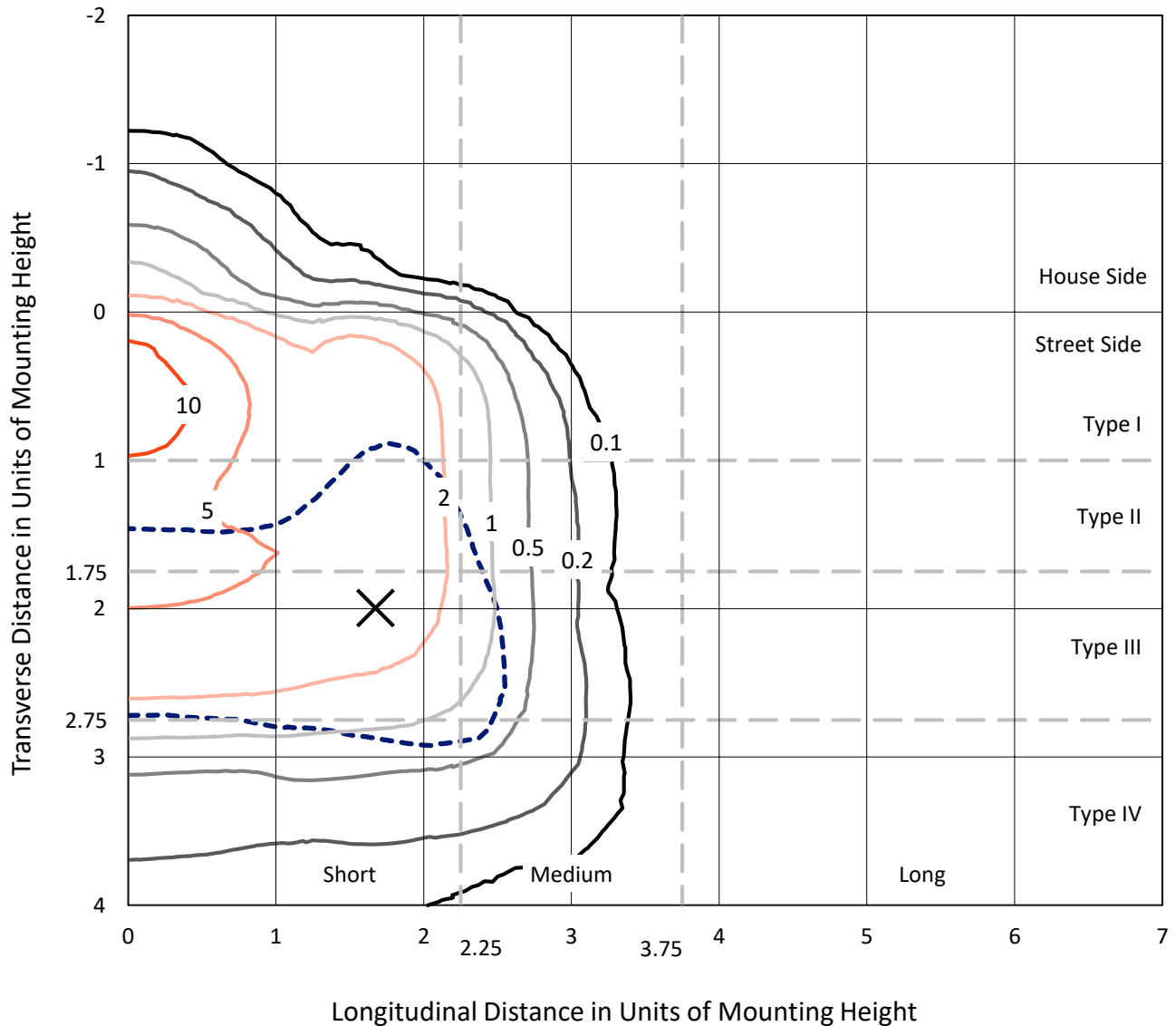
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

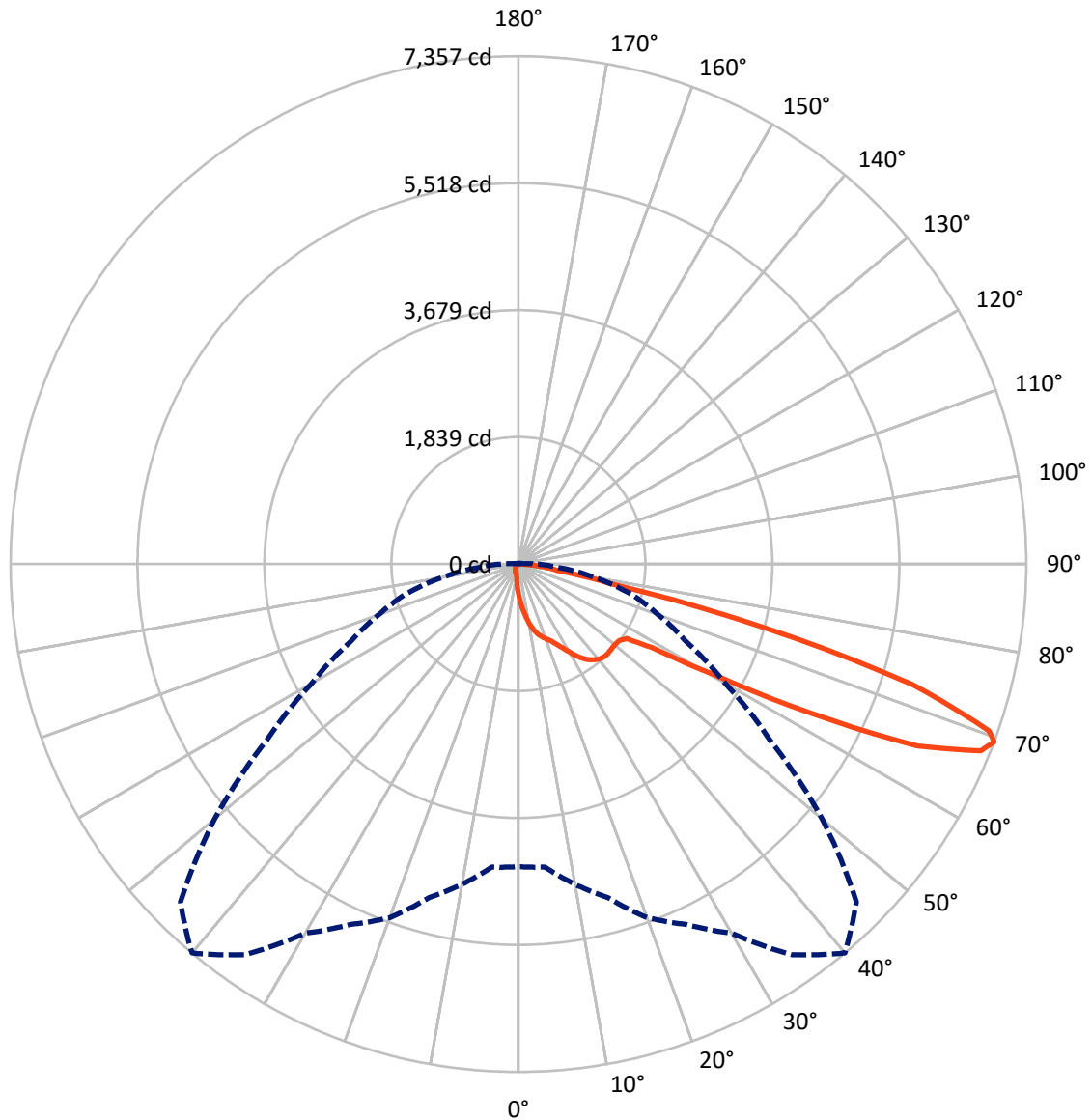


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P162647

CATALOG NUMBER: EMM-E03-LED-E1-SL4-HSS

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 | 172.9 | 0.0 | 172.9 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 5631.0 | 0.0 | 5631.0 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 5803.9 | 0.0 | 5803.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.1 | 0.8 |
| 10°-20° | 155.3 | 2.7 |
| 20°-30° | 297.3 | 5.1 |
| 30°-40° | 494.4 | 8.5 |
| 40°-50° | 669.0 | 11.5 |
| 50°-60° | 1046.2 | 18.0 |
| 60°-70° | 2151.0 | 37.1 |
| 70°-80° | 865.5 | 14.9 |
| 80°-90° | 80.1 | 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° | 5803.9 | 100.0 |
| 0°-180° | 5803.9 | 100.0 |



REPORT NUMBER: P162647

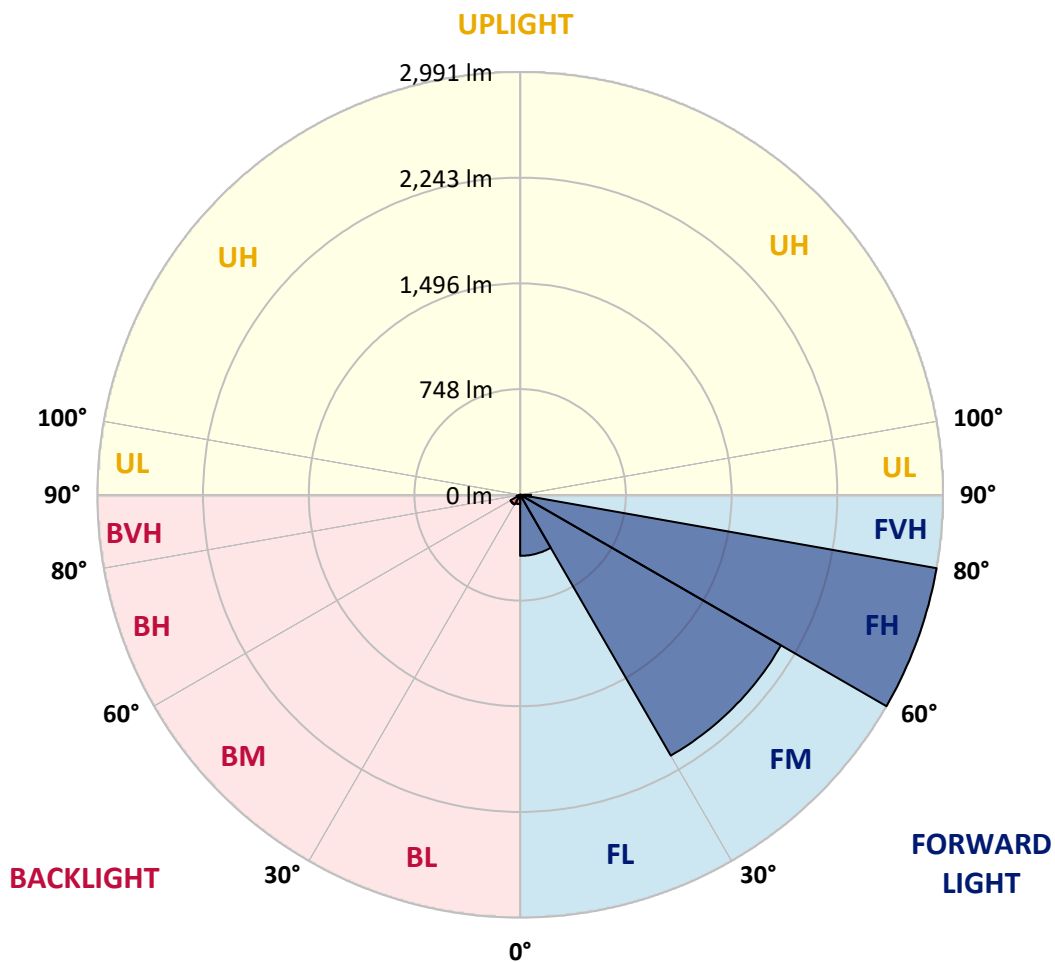
CATALOG NUMBER: EMM-E03-LED-E1-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 431.9 | 7.4 | | | |
| FM (30°-60°) | 2130.7 | 36.7 | | | |
| FH (60°-80°) | 2991.3 | 51.5 | | | G2/5000 |
| FVH (80°-90°) | 77.1 | 1.3 | | | G1/100 |
| BL (0°-30°) | 65.7 | 1.1 | B0/110 | | |
| BM (30°-60°) | 78.9 | 1.4 | B0/220 | | |
| BH (60°-80°) | 25.2 | 0.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 3.0 | 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





REPORT NUMBER: P162647

CATALOG NUMBER: EMM-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 |
| 2.5° | 584.7 | 578.1 | 570.5 | 570.5 | 560.9 | 560.9 | 555.2 | 540.0 | 538.1 | 529.6 | 521.0 |
| 5° | 746.3 | 740.6 | 731.1 | 722.6 | 715.0 | 701.7 | 692.2 | 674.1 | 654.1 | 635.1 | 618.0 |
| 7.5° | 904.2 | 901.3 | 884.2 | 881.4 | 869.0 | 847.1 | 828.1 | 801.5 | 767.3 | 740.6 | 709.3 |
| 10° | 1050.6 | 1043.9 | 1040.1 | 1024.0 | 1005.9 | 982.1 | 952.7 | 920.3 | 880.4 | 838.6 | 793.9 |
| 12.5° | 1166.6 | 1162.8 | 1145.7 | 1139.0 | 1120.0 | 1096.2 | 1059.1 | 1017.3 | 977.4 | 923.2 | 870.9 |
| 15° | 1253.1 | 1246.4 | 1235.0 | 1224.6 | 1201.8 | 1180.8 | 1146.6 | 1101.0 | 1052.5 | 993.5 | 930.8 |
| 17.5° | 1325.4 | 1313.0 | 1310.1 | 1294.0 | 1270.2 | 1245.5 | 1207.5 | 1165.6 | 1108.6 | 1049.6 | 981.2 |
| 20° | 1422.3 | 1405.2 | 1399.5 | 1375.7 | 1348.2 | 1314.0 | 1270.2 | 1217.9 | 1158.0 | 1093.4 | 1023.0 |
| 22.5° | 1536.4 | 1524.1 | 1511.7 | 1490.8 | 1455.6 | 1407.1 | 1343.4 | 1286.4 | 1210.3 | 1139.0 | 1062.9 |
| 25° | 1698.1 | 1687.6 | 1667.6 | 1639.1 | 1595.4 | 1537.4 | 1460.4 | 1376.7 | 1287.3 | 1196.1 | 1106.7 |
| 27.5° | 1854.9 | 1845.4 | 1831.2 | 1809.3 | 1759.9 | 1696.2 | 1601.1 | 1494.6 | 1381.5 | 1271.2 | 1172.3 |
| 30° | 2002.3 | 1993.7 | 1979.5 | 1957.6 | 1913.9 | 1851.1 | 1743.7 | 1629.6 | 1488.9 | 1360.5 | 1241.7 |
| 32.5° | 2161.1 | 2158.2 | 2142.1 | 2110.7 | 2072.7 | 1988.0 | 1871.1 | 1748.4 | 1605.8 | 1457.5 | 1318.7 |
| 35° | 2340.8 | 2318.9 | 2303.7 | 2272.3 | 2207.7 | 2117.3 | 1980.4 | 1846.4 | 1696.2 | 1544.0 | 1389.1 |
| 37.5° | 2492.9 | 2472.0 | 2453.0 | 2413.0 | 2334.1 | 2219.1 | 2064.1 | 1916.7 | 1761.8 | 1606.8 | 1449.0 |
| 40° | 2604.1 | 2593.7 | 2570.9 | 2518.6 | 2430.1 | 2293.2 | 2125.9 | 1965.2 | 1809.3 | 1653.4 | 1497.4 |
| 42.5° | 2686.8 | 2670.7 | 2645.0 | 2590.8 | 2486.2 | 2330.3 | 2150.6 | 1985.2 | 1831.2 | 1681.9 | 1528.8 |
| 45° | 2717.3 | 2704.0 | 2680.2 | 2621.2 | 2508.1 | 2340.8 | 2149.7 | 1979.5 | 1832.1 | 1690.5 | 1549.7 |
| 47.5° | 2699.2 | 2685.9 | 2665.0 | 2609.8 | 2498.6 | 2328.4 | 2132.6 | 1963.3 | 1822.6 | 1693.3 | 1568.8 |
| 50° | 2639.3 | 2631.7 | 2615.5 | 2569.0 | 2469.1 | 2304.6 | 2117.3 | 1954.8 | 1820.7 | 1707.6 | 1595.4 |
| 52.5° | 2633.6 | 2628.9 | 2608.9 | 2562.3 | 2460.6 | 2297.0 | 2115.4 | 1959.5 | 1836.9 | 1725.6 | 1614.4 |
| 55° | 3218.3 | 3150.8 | 2999.6 | 2871.3 | 2660.2 | 2409.2 | 2211.5 | 2036.5 | 1905.3 | 1796.9 | 1719.0 |
| 57.5° | 4574.1 | 4473.3 | 4274.6 | 4030.3 | 3545.4 | 3069.1 | 2687.8 | 2412.1 | 2276.1 | 2226.7 | 2256.2 |
| 60° | 5209.2 | 5191.1 | 5159.8 | 5043.8 | 4795.6 | 4385.9 | 3929.5 | 3436.0 | 3238.3 | 3221.2 | 3281.1 |
| 62.5° | 5510.6 | 5499.2 | 5508.7 | 5494.4 | 5417.4 | 5297.6 | 5166.4 | 4953.5 | 4757.6 | 4631.2 | 4363.0 |
| 65° | 5649.4 | 5657.0 | 5711.2 | 5754.0 | 5763.5 | 5794.9 | 5890.9 | 6156.2 | 6350.1 | 6024.0 | 5279.6 |
| 67.5° | 5296.7 | 5341.4 | 5465.9 | 5621.8 | 5804.4 | 5981.2 | 6266.5 | 6825.5 | 7223.9 | 6840.7 | 5783.5 |
| 69° | 4384.9 | 4406.8 | 4711.0 | 5004.8 | 5450.7 | 5762.6 | 6176.1 | 6909.2 | 7357.0 | 6924.4 | 5743.5 |
| 70° | 3452.2 | 3472.2 | 3798.3 | 4197.6 | 4951.6 | 5352.8 | 5893.8 | 6767.5 | 7232.4 | 6813.1 | 5538.2 |
| 72.5° | 1557.3 | 1528.8 | 1643.9 | 1857.8 | 2677.3 | 3314.3 | 4260.4 | 5483.0 | 5967.0 | 5458.3 | 4143.4 |
| 75° | 1087.7 | 1075.3 | 1087.7 | 1088.6 | 1216.0 | 1568.8 | 1979.5 | 2972.1 | 3675.6 | 3171.7 | 1979.5 |
| 77.5° | 842.4 | 833.8 | 825.3 | 815.8 | 831.0 | 930.8 | 970.7 | 1054.4 | 1369.1 | 1294.9 | 754.9 |
| 80° | 666.5 | 658.9 | 679.8 | 673.1 | 673.1 | 684.5 | 676.9 | 645.6 | 586.6 | 543.8 | 486.8 |
| 82.5° | 309.9 | 311.8 | 311.8 | 338.5 | 407.9 | 476.3 | 498.2 | 466.8 | 414.5 | 352.7 | 284.3 |
| 85° | 29.5 | 33.3 | 56.1 | 86.5 | 172.1 | 194.0 | 194.9 | 161.6 | 161.6 | 127.4 | 102.7 |
| 87.5° | 0.0 | 1.0 | 1.0 | 1.0 | 8.6 | 23.8 | 20.0 | 5.7 | 2.9 | 2.9 | 4.8 |
| 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: P162647

CATALOG NUMBER: EMM-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 |
| 2.5° | 505.8 | 503.0 | 491.5 | 480.1 | 469.7 | 458.3 | 447.8 | 437.3 | 425.9 | 417.4 | 406.9 |
| 5° | 591.4 | 570.5 | 546.7 | 523.9 | 501.1 | 477.3 | 452.6 | 430.7 | 407.9 | 387.0 | 367.0 |
| 7.5° | 677.9 | 637.0 | 604.7 | 563.8 | 526.7 | 489.6 | 455.4 | 420.2 | 387.9 | 357.5 | 329.0 |
| 10° | 751.1 | 701.7 | 651.3 | 599.0 | 545.7 | 496.3 | 448.8 | 406.9 | 364.1 | 327.1 | 291.9 |
| 12.5° | 811.0 | 748.2 | 686.4 | 620.8 | 560.9 | 498.2 | 439.3 | 388.9 | 338.5 | 296.6 | 260.5 |
| 15° | 865.2 | 792.9 | 718.8 | 642.7 | 566.7 | 495.3 | 429.7 | 367.0 | 315.7 | 268.1 | 227.2 |
| 17.5° | 908.9 | 826.2 | 742.5 | 657.0 | 575.2 | 491.5 | 417.4 | 351.8 | 291.9 | 242.4 | 202.5 |
| 20° | 947.0 | 860.4 | 770.1 | 674.1 | 580.9 | 490.6 | 406.9 | 332.8 | 271.0 | 218.7 | 179.7 |
| 22.5° | 982.1 | 895.6 | 798.6 | 696.0 | 589.5 | 489.6 | 397.4 | 318.5 | 252.9 | 200.6 | 161.6 |
| 25° | 1022.1 | 930.8 | 829.1 | 718.8 | 604.7 | 493.4 | 391.7 | 307.1 | 236.7 | 183.5 | 147.4 |
| 27.5° | 1066.8 | 970.7 | 865.2 | 747.3 | 624.6 | 501.1 | 389.8 | 294.7 | 222.5 | 167.3 | 136.0 |
| 30° | 1129.5 | 1018.3 | 901.3 | 775.8 | 642.7 | 509.6 | 387.9 | 287.1 | 208.2 | 155.0 | 124.5 |
| 32.5° | 1184.6 | 1064.9 | 941.3 | 805.3 | 662.7 | 518.2 | 387.0 | 276.7 | 194.9 | 142.6 | 116.0 |
| 35° | 1242.6 | 1107.6 | 975.5 | 833.8 | 679.8 | 527.7 | 386.0 | 269.1 | 182.5 | 130.3 | 107.4 |
| 37.5° | 1293.0 | 1143.8 | 1002.1 | 858.5 | 698.8 | 536.2 | 387.0 | 262.4 | 171.1 | 119.8 | 99.8 |
| 40° | 1335.8 | 1180.8 | 1031.6 | 881.4 | 718.8 | 549.5 | 387.9 | 255.8 | 159.7 | 110.3 | 93.2 |
| 42.5° | 1373.8 | 1216.0 | 1062.9 | 907.0 | 741.6 | 564.8 | 393.6 | 250.0 | 150.2 | 101.7 | 86.5 |
| 45° | 1403.3 | 1248.3 | 1097.2 | 943.2 | 778.7 | 589.5 | 404.1 | 246.2 | 140.7 | 94.1 | 80.8 |
| 47.5° | 1433.7 | 1295.9 | 1155.2 | 1000.2 | 832.9 | 628.5 | 422.1 | 245.3 | 133.1 | 88.4 | 76.1 |
| 50° | 1475.6 | 1343.4 | 1206.5 | 1058.2 | 882.3 | 668.4 | 444.0 | 246.2 | 123.6 | 82.7 | 71.3 |
| 52.5° | 1506.0 | 1391.9 | 1273.1 | 1159.0 | 1000.2 | 790.1 | 528.6 | 263.4 | 118.8 | 78.0 | 65.6 |
| 55° | 1685.7 | 1665.7 | 1668.6 | 1687.6 | 1565.0 | 1344.4 | 884.2 | 380.3 | 139.8 | 88.4 | 64.7 |
| 57.5° | 2376.9 | 2447.3 | 2488.1 | 2487.2 | 2284.7 | 1894.9 | 1187.5 | 488.7 | 155.9 | 102.7 | 77.0 |
| 60° | 3285.8 | 3232.6 | 3157.5 | 2972.1 | 2703.0 | 2163.0 | 1328.2 | 525.8 | 135.0 | 81.8 | 70.4 |
| 62.5° | 4089.2 | 3777.4 | 3500.7 | 3200.3 | 2847.5 | 2256.2 | 1356.7 | 522.9 | 117.9 | 61.8 | 49.4 |
| 65° | 4590.3 | 4029.3 | 3582.5 | 3206.0 | 2790.5 | 2178.2 | 1283.5 | 480.1 | 99.8 | 50.4 | 40.9 |
| 67.5° | 4710.1 | 3893.4 | 3261.1 | 2781.0 | 2331.3 | 1695.2 | 942.2 | 361.3 | 78.0 | 41.8 | 36.1 |
| 69° | 4448.6 | 3460.8 | 2702.1 | 2157.3 | 1696.2 | 1124.7 | 582.8 | 228.2 | 59.9 | 38.0 | 33.3 |
| 70° | 4092.1 | 3010.1 | 2201.0 | 1731.3 | 1256.0 | 790.1 | 407.9 | 160.7 | 48.5 | 35.2 | 30.4 |
| 72.5° | 2632.7 | 1581.1 | 1082.0 | 753.0 | 518.2 | 314.7 | 159.7 | 72.3 | 37.1 | 29.5 | 24.7 |
| 75° | 1021.1 | 584.7 | 424.0 | 322.3 | 252.0 | 174.9 | 97.0 | 46.6 | 31.4 | 24.7 | 19.0 |
| 77.5° | 503.0 | 385.1 | 314.7 | 215.8 | 125.5 | 78.0 | 52.3 | 36.1 | 25.7 | 18.1 | 12.4 |
| 80° | 397.4 | 264.3 | 157.8 | 97.9 | 74.2 | 56.1 | 39.9 | 29.5 | 19.0 | 11.4 | 8.6 |
| 82.5° | 203.5 | 111.2 | 81.8 | 66.6 | 55.1 | 43.7 | 32.3 | 20.9 | 12.4 | 7.6 | 6.7 |
| 85° | 63.7 | 46.6 | 41.8 | 40.9 | 38.0 | 31.4 | 22.8 | 13.3 | 7.6 | 4.8 | 4.8 |
| 87.5° | 4.8 | 6.7 | 8.6 | 6.7 | 7.6 | 6.7 | 8.6 | 5.7 | 3.8 | 3.8 | 2.9 |
| 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: P162647

CATALOG NUMBER: EMM-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 | 438.3 |
| 2.5° | 399.3 | 387.9 | 377.5 | 370.8 | 358.4 | 353.7 | 348.9 | 347.0 | 338.5 | 340.4 | 332.8 |
| 5° | 348.9 | 329.0 | 313.8 | 298.5 | 284.3 | 273.8 | 265.3 | 254.8 | 246.2 | 242.4 | 234.8 |
| 7.5° | 303.3 | 277.6 | 257.7 | 241.5 | 224.4 | 211.1 | 199.7 | 192.1 | 184.4 | 176.8 | 173.0 |
| 10° | 263.4 | 235.8 | 213.0 | 196.8 | 180.6 | 169.2 | 160.7 | 155.0 | 150.2 | 147.4 | 146.4 |
| 12.5° | 226.3 | 199.7 | 178.7 | 164.5 | 152.1 | 146.4 | 142.6 | 139.8 | 138.8 | 137.9 | 137.9 |
| 15° | 197.8 | 171.1 | 155.0 | 144.5 | 138.8 | 136.0 | 135.0 | 133.1 | 131.2 | 130.3 | 130.3 |
| 17.5° | 171.1 | 151.2 | 139.8 | 134.1 | 131.2 | 129.3 | 127.4 | 125.5 | 123.6 | 122.6 | 122.6 |
| 20° | 153.1 | 136.9 | 131.2 | 127.4 | 124.5 | 122.6 | 119.8 | 117.9 | 116.9 | 116.0 | 115.0 |
| 22.5° | 138.8 | 128.4 | 124.5 | 121.7 | 117.9 | 115.0 | 113.1 | 111.2 | 109.3 | 108.4 | 107.4 |
| 25° | 128.4 | 121.7 | 118.8 | 115.0 | 111.2 | 108.4 | 105.5 | 102.7 | 100.8 | 99.8 | 97.9 |
| 27.5° | 120.7 | 116.0 | 112.2 | 107.4 | 103.6 | 100.8 | 97.9 | 95.1 | 93.2 | 91.3 | 90.3 |
| 30° | 114.1 | 109.3 | 104.6 | 100.8 | 96.0 | 93.2 | 89.4 | 86.5 | 85.6 | 83.7 | 81.8 |
| 32.5° | 107.4 | 102.7 | 97.9 | 93.2 | 88.4 | 84.6 | 82.7 | 78.9 | 77.0 | 76.1 | 74.2 |
| 35° | 99.8 | 95.1 | 89.4 | 85.6 | 80.8 | 77.0 | 74.2 | 71.3 | 69.4 | 67.5 | 66.6 |
| 37.5° | 93.2 | 87.5 | 81.8 | 77.0 | 73.2 | 69.4 | 66.6 | 63.7 | 61.8 | 59.9 | 58.9 |
| 40° | 85.6 | 79.9 | 74.2 | 69.4 | 65.6 | 62.8 | 59.9 | 57.0 | 55.1 | 54.2 | 54.2 |
| 42.5° | 78.9 | 72.3 | 66.6 | 62.8 | 59.9 | 56.1 | 53.2 | 50.4 | 49.4 | 48.5 | 49.4 |
| 45° | 72.3 | 65.6 | 60.8 | 57.0 | 54.2 | 50.4 | 47.5 | 45.6 | 44.7 | 45.6 | 46.6 |
| 47.5° | 66.6 | 59.9 | 55.1 | 52.3 | 49.4 | 46.6 | 43.7 | 41.8 | 41.8 | 43.7 | 45.6 |
| 50° | 60.8 | 54.2 | 50.4 | 48.5 | 45.6 | 42.8 | 39.0 | 38.0 | 39.0 | 40.9 | 42.8 |
| 52.5° | 55.1 | 47.5 | 44.7 | 43.7 | 40.9 | 38.0 | 35.2 | 34.2 | 35.2 | 37.1 | 36.1 |
| 55° | 49.4 | 41.8 | 40.9 | 39.9 | 37.1 | 33.3 | 30.4 | 30.4 | 30.4 | 29.5 | 27.6 |
| 57.5° | 47.5 | 37.1 | 36.1 | 35.2 | 32.3 | 28.5 | 26.6 | 24.7 | 23.8 | 20.9 | 20.0 |
| 60° | 49.4 | 33.3 | 33.3 | 31.4 | 28.5 | 24.7 | 21.9 | 19.0 | 17.1 | 15.2 | 15.2 |
| 62.5° | 39.9 | 30.4 | 29.5 | 27.6 | 23.8 | 20.0 | 17.1 | 14.3 | 13.3 | 12.4 | 12.4 |
| 65° | 32.3 | 27.6 | 25.7 | 22.8 | 20.0 | 16.2 | 13.3 | 11.4 | 10.5 | 10.5 | 11.4 |
| 67.5° | 29.5 | 24.7 | 21.9 | 19.0 | 16.2 | 12.4 | 10.5 | 9.5 | 9.5 | 10.5 | 10.5 |
| 69° | 27.6 | 22.8 | 20.0 | 17.1 | 14.3 | 11.4 | 9.5 | 9.5 | 9.5 | 9.5 | 10.5 |
| 70° | 25.7 | 21.9 | 19.0 | 16.2 | 12.4 | 9.5 | 8.6 | 8.6 | 9.5 | 9.5 | 10.5 |
| 72.5° | 20.0 | 17.1 | 16.2 | 13.3 | 9.5 | 8.6 | 7.6 | 8.6 | 8.6 | 9.5 | 9.5 |
| 75° | 15.2 | 12.4 | 12.4 | 10.5 | 7.6 | 6.7 | 6.7 | 7.6 | 7.6 | 8.6 | 8.6 |
| 77.5° | 10.5 | 8.6 | 8.6 | 7.6 | 6.7 | 5.7 | 5.7 | 6.7 | 7.6 | 7.6 | 8.6 |
| 80° | 7.6 | 6.7 | 5.7 | 6.7 | 5.7 | 4.8 | 5.7 | 6.7 | 6.7 | 7.6 | 7.6 |
| 82.5° | 5.7 | 5.7 | 5.7 | 5.7 | 4.8 | 4.8 | 5.7 | 5.7 | 6.7 | 7.6 | 7.6 |
| 85° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 5.7 | 5.7 | 6.7 | 6.7 |
| 87.5° | 2.9 | 2.9 | 2.9 | 3.8 | 3.8 | 4.8 | 4.8 | 4.8 | 4.8 | 5.7 | 5.7 |
| 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: P162647

CATALOG NUMBER: EMM-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 438.3 | 438.3 | 438.3 | 438.3 |
| 2.5° | 330.9 | 329.9 | 326.1 | 327.1 |
| 5° | 232.0 | 226.3 | 230.1 | 229.1 |
| 7.5° | 170.2 | 169.2 | 168.3 | 170.2 |
| 10° | 145.5 | 145.5 | 144.5 | 145.5 |
| 12.5° | 136.9 | 136.9 | 136.9 | 136.9 |
| 15° | 130.3 | 130.3 | 129.3 | 129.3 |
| 17.5° | 122.6 | 122.6 | 122.6 | 121.7 |
| 20° | 115.0 | 114.1 | 114.1 | 114.1 |
| 22.5° | 106.5 | 105.5 | 105.5 | 105.5 |
| 25° | 97.9 | 97.0 | 97.0 | 97.0 |
| 27.5° | 89.4 | 88.4 | 87.5 | 87.5 |
| 30° | 80.8 | 79.9 | 78.9 | 78.9 |
| 32.5° | 72.3 | 71.3 | 70.4 | 70.4 |
| 35° | 64.7 | 64.7 | 63.7 | 62.8 |
| 37.5° | 58.0 | 58.0 | 58.0 | 58.0 |
| 40° | 53.2 | 54.2 | 54.2 | 54.2 |
| 42.5° | 50.4 | 51.3 | 52.3 | 53.2 |
| 45° | 48.5 | 50.4 | 51.3 | 51.3 |
| 47.5° | 47.5 | 48.5 | 49.4 | 49.4 |
| 50° | 43.7 | 42.8 | 42.8 | 42.8 |
| 52.5° | 35.2 | 33.3 | 32.3 | 31.4 |
| 55° | 25.7 | 24.7 | 22.8 | 22.8 |
| 57.5° | 18.1 | 18.1 | 17.1 | 17.1 |
| 60° | 14.3 | 14.3 | 13.3 | 14.3 |
| 62.5° | 12.4 | 12.4 | 12.4 | 12.4 |
| 65° | 11.4 | 11.4 | 11.4 | 11.4 |
| 67.5° | 11.4 | 11.4 | 11.4 | 11.4 |
| 69° | 10.5 | 10.5 | 10.5 | 10.5 |
| 70° | 10.5 | 10.5 | 10.5 | 10.5 |
| 72.5° | 9.5 | 9.5 | 9.5 | 9.5 |
| 75° | 8.6 | 9.5 | 9.5 | 9.5 |
| 77.5° | 8.6 | 8.6 | 8.6 | 8.6 |
| 80° | 7.6 | 7.6 | 8.6 | 8.6 |
| 82.5° | 7.6 | 7.6 | 7.6 | 7.6 |
| 85° | 6.7 | 6.7 | 7.6 | 7.6 |
| 87.5° | 5.7 | 5.7 | 6.7 | 6.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)