

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: P141384

Luminaire Tested: **ECM-F01-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141384
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-F01-LED-E1-SLL-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1972.1 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

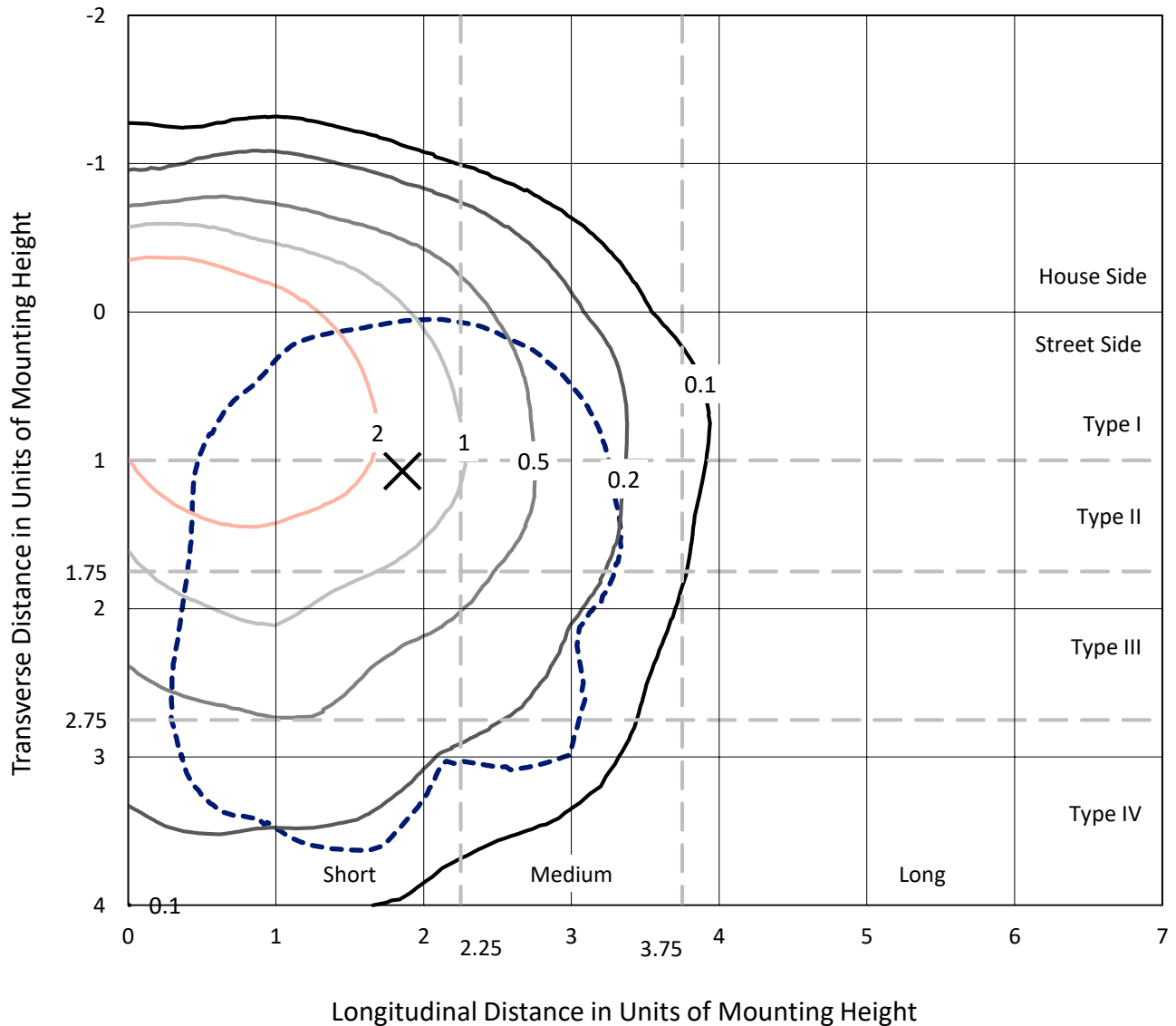
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

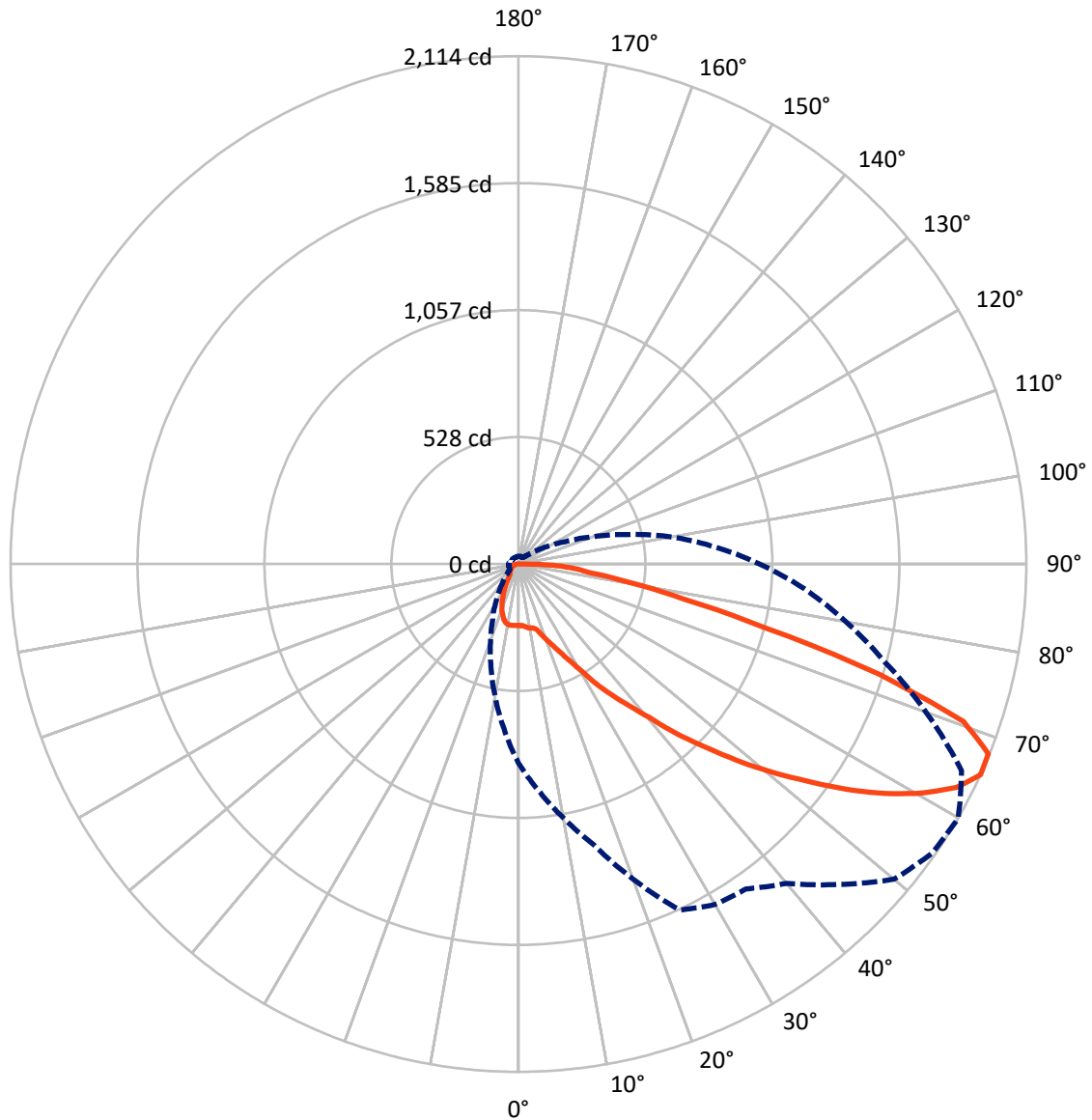
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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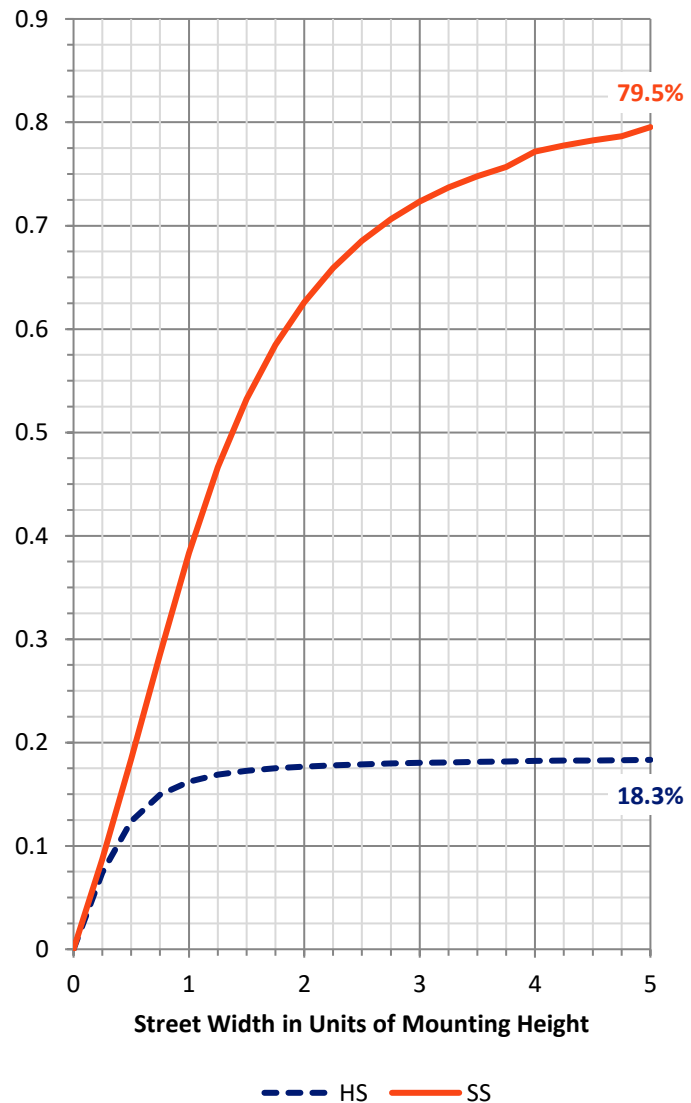
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 365.8 | 0.0 | 365.8 |
| | % Fixture | 18.5 | 0.0 | 18.5 |
| Street Side | Lumens | 1606.3 | 0.0 | 1606.3 |
| | % Fixture | 81.5 | 0.0 | 81.5 |
| Total | Lumens | 1972.1 | 0.0 | 1972.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.8 | 1.3 |
| 10°-20° | 74.5 | 3.8 |
| 20°-30° | 123.8 | 6.3 |
| 30°-40° | 180.9 | 9.2 |
| 40°-50° | 275.2 | 14.0 |
| 50°-60° | 395.6 | 20.1 |
| 60°-70° | 486.4 | 24.7 |
| 70°-80° | 325.4 | 16.5 |
| 80°-90° | 85.6 | 4.3 |
| 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° | 1972.1 | 100.0 |
| 0°-180° | 1972.1 | 100.0 |



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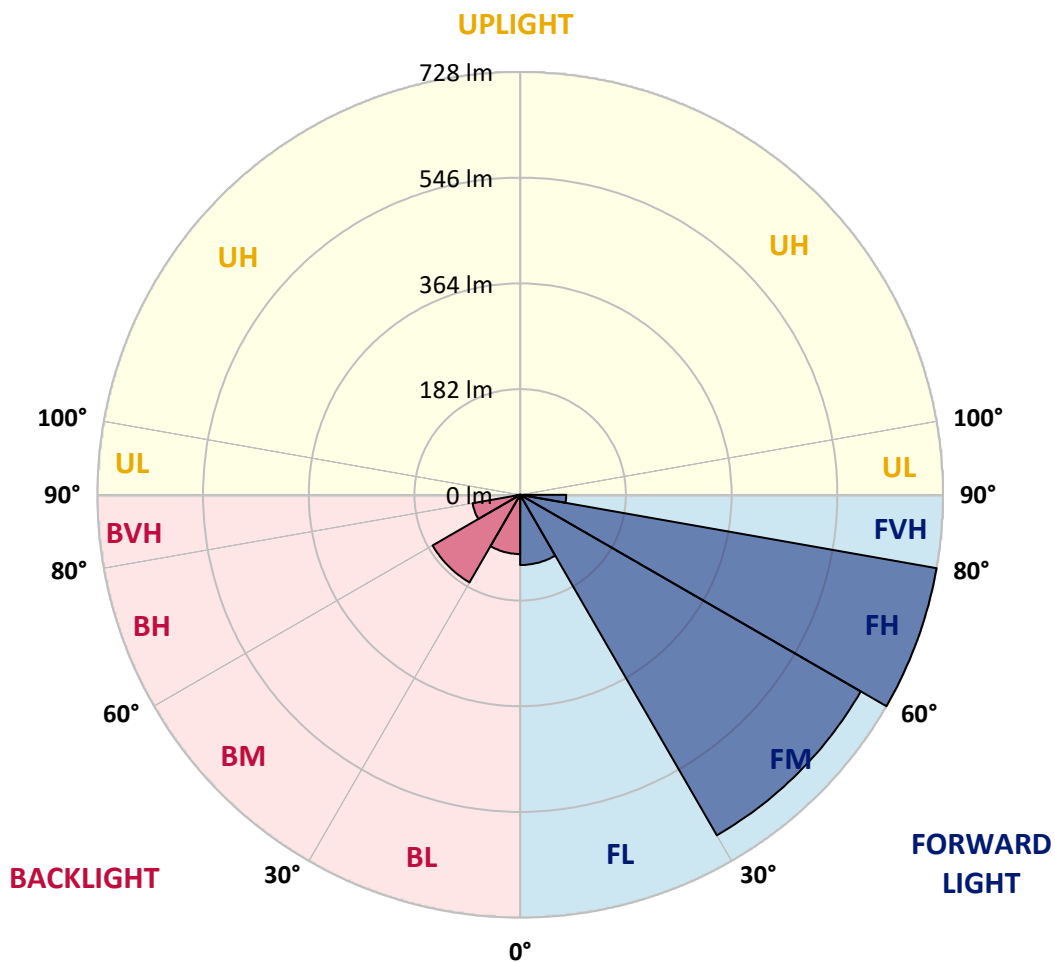
CATALOG NUMBER: ECM-F01-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 121.0 | 6.1 | | | |
| FM | (30°-60°) | 677.5 | 34.4 | | | |
| FH | (60°-80°) | 728.5 | 36.9 | | | G1/1800 |
| FVH | (80°-90°) | 79.4 | 4.0 | | | G1/100 |
| BL | (0°-30°) | 102.1 | 5.2 | B0/110 | | |
| BM | (30°-60°) | 174.2 | 8.8 | B0/220 | | |
| BH | (60°-80°) | 83.2 | 4.2 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 6.2 | 0.3 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type IV Short





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CATALOG NUMBER: ECM-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 |
| 2.5° | 256.6 | 256.9 | 256.9 | 256.6 | 256.4 | 256.6 | 256.1 | 256.6 | 256.4 | 256.1 | 256.4 |
| 5° | 253.3 | 253.6 | 254.1 | 254.1 | 254.6 | 255.6 | 255.9 | 257.1 | 257.9 | 258.1 | 259.1 |
| 7.5° | 245.6 | 246.8 | 247.6 | 248.6 | 250.1 | 252.6 | 254.3 | 257.4 | 259.6 | 261.6 | 264.4 |
| 10° | 240.8 | 242.3 | 243.8 | 246.1 | 248.3 | 251.6 | 254.6 | 258.4 | 261.4 | 264.4 | 267.7 |
| 12.5° | 242.0 | 243.8 | 245.8 | 247.6 | 251.1 | 254.1 | 257.9 | 262.4 | 263.9 | 266.9 | 269.7 |
| 15° | 252.3 | 253.8 | 255.4 | 257.4 | 260.6 | 264.1 | 269.2 | 274.2 | 275.2 | 278.5 | 281.5 |
| 17.5° | 266.2 | 266.4 | 268.9 | 272.4 | 275.5 | 281.2 | 287.3 | 294.1 | 298.3 | 300.3 | 302.1 |
| 20° | 280.5 | 281.2 | 285.3 | 288.5 | 295.3 | 302.9 | 311.7 | 321.7 | 325.2 | 334.0 | 337.3 |
| 22.5° | 301.8 | 301.6 | 306.4 | 310.9 | 318.4 | 326.5 | 339.3 | 353.1 | 361.2 | 367.9 | 370.5 |
| 25° | 334.3 | 335.0 | 334.3 | 340.8 | 348.6 | 361.7 | 374.5 | 388.3 | 393.1 | 404.9 | 410.4 |
| 27.5° | 366.4 | 372.2 | 380.0 | 382.0 | 391.6 | 406.7 | 416.7 | 431.5 | 443.1 | 446.4 | 455.4 |
| 30° | 396.3 | 408.4 | 421.2 | 432.0 | 449.1 | 467.5 | 482.6 | 499.4 | 500.1 | 506.2 | 508.7 |
| 32.5° | 426.8 | 445.6 | 464.5 | 478.3 | 494.9 | 519.3 | 547.1 | 574.5 | 592.4 | 610.7 | 601.4 |
| 35° | 465.0 | 494.4 | 520.8 | 542.1 | 556.2 | 578.8 | 611.0 | 655.5 | 684.1 | 706.0 | 718.6 |
| 37.5° | 499.9 | 544.4 | 584.8 | 615.3 | 649.7 | 665.8 | 686.9 | 719.1 | 752.0 | 772.3 | 782.9 |
| 40° | 525.5 | 586.4 | 643.7 | 687.6 | 731.4 | 769.8 | 796.5 | 822.6 | 867.1 | 892.5 | 894.5 |
| 42.5° | 545.6 | 623.0 | 692.2 | 755.3 | 819.6 | 873.4 | 905.5 | 938.7 | 995.3 | 1024.7 | 1022.4 |
| 45° | 559.5 | 650.4 | 736.1 | 813.8 | 891.7 | 961.8 | 1023.9 | 1073.2 | 1131.0 | 1187.0 | 1175.7 |
| 47.5° | 571.5 | 673.1 | 771.1 | 858.8 | 952.3 | 1039.8 | 1117.2 | 1186.5 | 1262.9 | 1338.6 | 1343.1 |
| 50° | 583.6 | 691.4 | 802.8 | 903.8 | 1009.1 | 1118.9 | 1212.4 | 1301.6 | 1397.1 | 1493.4 | 1515.5 |
| 52.5° | 600.2 | 712.0 | 832.2 | 944.8 | 1067.2 | 1183.0 | 1287.3 | 1398.4 | 1516.5 | 1609.5 | 1672.4 |
| 55° | 625.1 | 740.7 | 868.6 | 985.7 | 1119.2 | 1246.9 | 1362.2 | 1490.4 | 1599.0 | 1713.8 | 1803.3 |
| 57.5° | 665.8 | 778.9 | 910.8 | 1030.5 | 1169.4 | 1304.7 | 1424.5 | 1559.0 | 1662.6 | 1790.0 | 1902.3 |
| 60° | 717.3 | 830.9 | 958.6 | 1083.5 | 1228.5 | 1385.8 | 1506.7 | 1606.3 | 1710.1 | 1839.0 | 1974.2 |
| 62.5° | 775.9 | 889.7 | 1016.9 | 1145.8 | 1310.7 | 1481.1 | 1584.9 | 1641.7 | 1732.2 | 1872.7 | 2020.7 |
| 65° | 827.4 | 944.8 | 1071.7 | 1208.4 | 1394.9 | 1588.7 | 1636.4 | 1650.7 | 1735.4 | 1886.2 | 2040.8 |
| 67.5° | 869.6 | 1004.6 | 1122.9 | 1259.2 | 1483.6 | 1657.0 | 1637.4 | 1608.8 | 1691.0 | 1853.3 | 2002.4 |
| 70° | 891.7 | 1031.2 | 1147.3 | 1263.7 | 1502.5 | 1666.6 | 1598.0 | 1520.1 | 1557.5 | 1716.3 | 1841.0 |
| 72.5° | 867.3 | 1010.4 | 1102.1 | 1174.5 | 1389.6 | 1549.0 | 1461.5 | 1314.5 | 1348.6 | 1502.5 | 1534.6 |
| 75° | 771.8 | 944.5 | 998.0 | 995.5 | 1111.4 | 1193.8 | 1130.5 | 1036.7 | 1124.0 | 1188.0 | 1155.1 |
| 77.5° | 576.3 | 773.6 | 803.5 | 748.5 | 773.1 | 842.5 | 782.6 | 855.5 | 961.3 | 990.2 | 927.9 |
| 80° | 362.4 | 567.0 | 570.3 | 501.7 | 488.6 | 515.7 | 592.9 | 748.0 | 849.0 | 843.0 | 760.5 |
| 82.5° | 201.8 | 367.7 | 402.6 | 339.8 | 323.7 | 390.3 | 528.0 | 610.5 | 597.2 | 592.1 | 484.8 |
| 85° | 138.0 | 251.1 | 306.9 | 294.3 | 325.5 | 389.3 | 433.0 | 387.0 | 372.7 | 317.4 | 257.6 |
| 87.5° | 56.0 | 113.1 | 190.3 | 218.7 | 232.0 | 284.8 | 249.3 | 203.1 | 156.3 | 148.3 | 127.4 |
| 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-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 |
| 2.5° | 255.6 | 256.1 | 256.1 | 256.4 | 256.6 | 256.9 | 256.9 | 256.9 | 257.1 | 257.4 | 257.1 |
| 5° | 259.4 | 260.1 | 260.6 | 260.6 | 261.1 | 261.6 | 262.1 | 261.9 | 262.6 | 263.1 | 263.4 |
| 7.5° | 265.4 | 266.9 | 268.2 | 269.2 | 269.7 | 269.7 | 269.7 | 268.9 | 269.7 | 269.9 | 270.2 |
| 10° | 269.7 | 271.4 | 271.7 | 272.7 | 272.4 | 272.2 | 271.7 | 271.2 | 271.4 | 271.9 | 272.7 |
| 12.5° | 270.9 | 272.7 | 273.2 | 274.0 | 273.7 | 273.4 | 272.4 | 272.4 | 272.2 | 272.9 | 273.7 |
| 15° | 281.2 | 282.7 | 285.3 | 283.0 | 283.3 | 281.2 | 279.5 | 278.5 | 278.0 | 278.5 | 279.0 |
| 17.5° | 304.9 | 307.4 | 306.4 | 302.9 | 302.6 | 298.3 | 297.6 | 292.5 | 292.5 | 292.5 | 291.0 |
| 20° | 337.3 | 337.0 | 335.3 | 331.8 | 324.2 | 322.7 | 317.2 | 313.2 | 309.4 | 308.6 | 306.9 |
| 22.5° | 372.7 | 369.0 | 367.9 | 360.7 | 355.9 | 346.8 | 338.5 | 335.5 | 332.0 | 331.3 | 331.0 |
| 25° | 407.2 | 408.7 | 401.4 | 397.9 | 385.8 | 377.8 | 373.0 | 365.4 | 365.4 | 364.4 | 363.2 |
| 27.5° | 450.4 | 455.4 | 447.4 | 442.3 | 431.0 | 419.7 | 411.4 | 406.9 | 402.1 | 398.9 | 389.8 |
| 30° | 511.5 | 514.7 | 509.2 | 498.9 | 484.8 | 464.7 | 453.4 | 448.4 | 439.6 | 428.5 | 413.7 |
| 32.5° | 597.4 | 592.9 | 574.0 | 555.9 | 537.6 | 518.5 | 504.9 | 495.9 | 482.3 | 460.2 | 432.0 |
| 35° | 708.8 | 669.8 | 646.2 | 621.3 | 600.2 | 578.8 | 568.5 | 552.2 | 521.3 | 485.3 | 447.6 |
| 37.5° | 763.5 | 746.2 | 719.1 | 700.5 | 675.3 | 654.0 | 630.6 | 602.7 | 562.7 | 511.2 | 458.9 |
| 40° | 873.4 | 840.7 | 819.6 | 798.5 | 767.6 | 738.4 | 706.7 | 661.8 | 597.4 | 533.3 | 467.7 |
| 42.5° | 988.7 | 964.6 | 926.4 | 898.3 | 875.1 | 826.9 | 776.6 | 713.8 | 632.9 | 553.4 | 475.8 |
| 45° | 1139.0 | 1083.7 | 1036.5 | 1012.6 | 967.1 | 908.3 | 849.8 | 760.0 | 665.5 | 574.5 | 484.8 |
| 47.5° | 1290.1 | 1219.0 | 1170.2 | 1125.7 | 1077.2 | 998.3 | 907.1 | 800.2 | 690.7 | 592.1 | 492.4 |
| 50° | 1452.2 | 1358.4 | 1302.1 | 1248.9 | 1168.9 | 1073.4 | 957.3 | 833.4 | 716.8 | 608.7 | 499.1 |
| 52.5° | 1617.1 | 1498.7 | 1418.3 | 1356.2 | 1257.2 | 1139.0 | 1002.8 | 867.8 | 744.7 | 624.8 | 504.7 |
| 55° | 1765.4 | 1654.3 | 1550.5 | 1454.7 | 1335.6 | 1198.3 | 1044.5 | 898.8 | 769.8 | 641.6 | 508.2 |
| 57.5° | 1899.8 | 1803.0 | 1679.1 | 1550.7 | 1407.7 | 1253.4 | 1083.0 | 932.2 | 793.5 | 654.0 | 507.9 |
| 60° | 1992.1 | 1935.5 | 1806.8 | 1650.2 | 1483.1 | 1303.9 | 1129.2 | 969.4 | 814.3 | 662.8 | 505.9 |
| 62.5° | 2058.4 | 2047.1 | 1934.7 | 1746.0 | 1544.7 | 1349.4 | 1174.0 | 1000.3 | 829.4 | 663.8 | 497.4 |
| 65° | 2099.9 | 2113.7 | 2034.8 | 1806.8 | 1579.1 | 1384.1 | 1196.1 | 1003.1 | 818.6 | 647.2 | 474.8 |
| 67.5° | 2073.7 | 2109.4 | 2034.3 | 1780.4 | 1546.2 | 1351.7 | 1163.7 | 956.8 | 761.0 | 595.7 | 424.0 |
| 70° | 1911.6 | 1965.2 | 1891.0 | 1605.5 | 1385.1 | 1226.5 | 1044.3 | 821.9 | 654.7 | 490.6 | 335.0 |
| 72.5° | 1499.4 | 1570.1 | 1505.2 | 1309.4 | 1146.6 | 1013.9 | 878.7 | 645.4 | 499.1 | 360.4 | 225.2 |
| 75° | 1034.5 | 1061.6 | 1022.9 | 887.7 | 837.7 | 785.9 | 659.5 | 433.8 | 329.7 | 222.4 | 132.5 |
| 77.5° | 802.5 | 704.2 | 630.1 | 574.8 | 573.8 | 564.2 | 431.5 | 259.6 | 197.3 | 122.4 | 73.6 |
| 80° | 603.4 | 473.8 | 391.1 | 342.1 | 355.6 | 397.6 | 251.6 | 133.2 | 102.0 | 67.6 | 45.2 |
| 82.5° | 397.1 | 302.4 | 241.3 | 213.6 | 215.9 | 249.3 | 126.4 | 73.4 | 50.3 | 38.5 | 29.4 |
| 85° | 242.0 | 235.0 | 209.6 | 190.3 | 175.4 | 171.4 | 98.3 | 56.3 | 27.9 | 19.9 | 15.1 |
| 87.5° | 118.1 | 140.0 | 170.9 | 173.2 | 148.8 | 126.2 | 51.0 | 16.1 | 11.8 | 6.3 | 4.5 |
| 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: P141384

CATALOG NUMBER: ECM-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 |
| 2.5° | 257.4 | 258.6 | 258.1 | 257.9 | 257.9 | 259.1 | 259.1 | 258.6 | 258.6 | 258.9 | 258.9 |
| 5° | 263.4 | 264.7 | 264.1 | 264.4 | 264.9 | 265.2 | 265.9 | 265.2 | 264.7 | 265.2 | 264.9 |
| 7.5° | 270.4 | 271.7 | 271.4 | 271.9 | 272.4 | 272.9 | 273.4 | 273.2 | 272.7 | 272.7 | 272.4 |
| 10° | 273.4 | 276.0 | 277.0 | 278.0 | 279.2 | 279.7 | 280.5 | 280.5 | 279.5 | 279.5 | 278.2 |
| 12.5° | 275.5 | 277.5 | 280.0 | 281.5 | 283.8 | 285.5 | 286.3 | 286.5 | 285.8 | 284.8 | 283.5 |
| 15° | 279.7 | 281.2 | 283.8 | 285.3 | 288.0 | 290.3 | 291.8 | 291.5 | 290.5 | 287.8 | 284.0 |
| 17.5° | 290.3 | 290.0 | 291.0 | 292.0 | 292.8 | 294.1 | 293.6 | 291.3 | 286.5 | 281.5 | 276.2 |
| 20° | 306.1 | 305.9 | 304.4 | 302.1 | 299.3 | 295.8 | 290.3 | 283.5 | 275.5 | 266.4 | 258.4 |
| 22.5° | 328.5 | 326.2 | 324.2 | 318.2 | 308.6 | 296.8 | 282.5 | 269.2 | 259.6 | 250.8 | 242.0 |
| 25° | 358.1 | 352.6 | 342.8 | 328.7 | 313.7 | 296.1 | 275.2 | 257.4 | 245.3 | 235.0 | 226.2 |
| 27.5° | 376.7 | 363.9 | 347.6 | 328.2 | 308.1 | 285.5 | 262.4 | 244.8 | 231.2 | 219.9 | 209.9 |
| 30° | 392.6 | 369.5 | 346.6 | 322.0 | 296.6 | 273.2 | 248.8 | 230.0 | 214.1 | 201.6 | 189.5 |
| 32.5° | 401.4 | 370.5 | 341.8 | 312.4 | 284.8 | 258.1 | 231.7 | 211.4 | 196.3 | 180.7 | 164.1 |
| 35° | 406.9 | 367.4 | 332.8 | 299.6 | 269.2 | 241.5 | 213.9 | 191.5 | 171.7 | 152.6 | 136.0 |
| 37.5° | 408.4 | 362.4 | 320.9 | 285.3 | 250.6 | 220.4 | 194.3 | 168.1 | 148.3 | 127.7 | 108.6 |
| 40° | 407.7 | 352.9 | 306.1 | 262.9 | 226.4 | 197.3 | 171.9 | 148.0 | 126.2 | 107.8 | 89.5 |
| 42.5° | 404.6 | 342.1 | 288.5 | 244.5 | 207.9 | 180.0 | 156.6 | 132.5 | 112.8 | 93.2 | 77.7 |
| 45° | 403.6 | 331.5 | 275.2 | 230.5 | 195.3 | 167.9 | 145.0 | 121.6 | 101.0 | 82.4 | 66.9 |
| 47.5° | 401.4 | 322.0 | 262.9 | 219.7 | 185.0 | 158.6 | 135.0 | 112.1 | 90.7 | 73.9 | 58.8 |
| 50° | 396.3 | 311.7 | 253.8 | 211.4 | 176.4 | 149.3 | 125.2 | 100.5 | 79.7 | 63.1 | 51.5 |
| 52.5° | 391.1 | 305.1 | 248.1 | 203.1 | 167.4 | 138.2 | 114.4 | 89.5 | 69.9 | 54.3 | 45.5 |
| 55° | 385.8 | 300.1 | 240.3 | 193.3 | 155.6 | 126.9 | 102.8 | 79.9 | 61.6 | 48.3 | 42.0 |
| 57.5° | 380.0 | 293.3 | 230.7 | 180.7 | 142.3 | 114.4 | 90.2 | 68.6 | 53.5 | 43.5 | 39.2 |
| 60° | 375.2 | 283.8 | 214.1 | 163.1 | 124.4 | 96.8 | 74.9 | 57.3 | 45.5 | 39.2 | 37.4 |
| 62.5° | 362.7 | 265.4 | 190.3 | 137.2 | 101.0 | 75.7 | 57.1 | 44.7 | 38.2 | 35.2 | 35.4 |
| 65° | 332.3 | 224.4 | 151.1 | 107.1 | 70.9 | 50.8 | 40.7 | 34.2 | 31.2 | 31.2 | 31.9 |
| 67.5° | 280.0 | 170.9 | 107.1 | 68.1 | 46.5 | 36.7 | 31.2 | 28.4 | 27.9 | 28.4 | 29.7 |
| 70° | 198.3 | 110.8 | 67.1 | 44.5 | 34.9 | 29.7 | 26.9 | 25.9 | 25.4 | 25.9 | 26.4 |
| 72.5° | 122.1 | 65.3 | 42.7 | 34.7 | 29.9 | 26.6 | 24.9 | 24.1 | 23.9 | 23.9 | 23.6 |
| 75° | 66.6 | 43.7 | 34.2 | 30.2 | 27.1 | 24.6 | 22.9 | 21.6 | 21.4 | 21.6 | 21.1 |
| 77.5° | 42.5 | 34.2 | 30.4 | 27.9 | 25.1 | 21.9 | 20.4 | 19.4 | 19.4 | 19.1 | 18.6 |
| 80° | 33.2 | 30.4 | 27.9 | 25.4 | 21.1 | 18.6 | 17.1 | 16.8 | 16.6 | 16.3 | 16.3 |
| 82.5° | 24.9 | 24.1 | 22.9 | 20.6 | 16.8 | 14.8 | 14.1 | 14.1 | 13.8 | 13.1 | 13.1 |
| 85° | 14.3 | 14.1 | 15.1 | 13.3 | 11.3 | 9.8 | 9.8 | 10.1 | 10.3 | 10.1 | 9.3 |
| 87.5° | 4.8 | 4.0 | 4.3 | 4.3 | 3.5 | 2.8 | 3.8 | 4.5 | 4.3 | 3.8 | 4.5 |
| 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: P141384

CATALOG NUMBER: ECM-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 |
| 2.5° | 258.1 | 258.6 | 259.6 | 258.6 | 258.1 | 258.1 | 257.6 | 257.9 | 257.1 | 256.4 | 256.6 |
| 5° | 264.4 | 263.9 | 264.4 | 263.6 | 262.1 | 261.9 | 260.9 | 260.9 | 259.9 | 258.9 | 258.4 |
| 7.5° | 271.4 | 270.7 | 270.9 | 269.4 | 267.7 | 266.4 | 265.2 | 264.7 | 263.4 | 261.9 | 260.9 |
| 10° | 277.0 | 276.2 | 275.7 | 274.0 | 271.7 | 270.4 | 268.7 | 267.7 | 266.4 | 264.4 | 263.4 |
| 12.5° | 280.5 | 278.7 | 277.7 | 274.7 | 272.7 | 271.4 | 269.4 | 268.9 | 267.4 | 265.7 | 264.9 |
| 15° | 279.7 | 275.7 | 272.7 | 269.2 | 266.4 | 264.7 | 262.9 | 262.4 | 261.6 | 260.9 | 259.4 |
| 17.5° | 267.4 | 262.4 | 259.1 | 251.8 | 247.8 | 246.1 | 245.8 | 245.6 | 245.0 | 245.0 | 243.3 |
| 20° | 250.3 | 244.5 | 239.5 | 232.5 | 227.2 | 225.4 | 220.7 | 219.4 | 217.9 | 219.4 | 217.9 |
| 22.5° | 235.0 | 227.7 | 221.9 | 216.1 | 209.9 | 204.8 | 198.6 | 195.5 | 191.3 | 190.3 | 190.8 |
| 25° | 218.7 | 209.6 | 202.3 | 195.5 | 188.7 | 181.7 | 175.9 | 171.7 | 168.9 | 165.1 | 161.6 |
| 27.5° | 198.8 | 191.3 | 181.5 | 175.9 | 167.9 | 160.1 | 154.1 | 149.5 | 144.5 | 141.5 | 136.5 |
| 30° | 178.7 | 167.1 | 157.3 | 149.5 | 140.7 | 137.0 | 131.2 | 126.4 | 121.9 | 118.6 | 114.4 |
| 32.5° | 152.6 | 140.5 | 130.2 | 121.1 | 115.1 | 109.8 | 106.3 | 102.3 | 100.0 | 97.3 | 94.5 |
| 35° | 124.9 | 109.8 | 97.5 | 93.5 | 86.7 | 87.0 | 85.2 | 83.2 | 81.4 | 78.9 | 78.7 |
| 37.5° | 94.2 | 82.4 | 74.4 | 69.4 | 68.4 | 66.9 | 67.1 | 66.9 | 66.4 | 65.6 | 65.6 |
| 40° | 74.6 | 64.1 | 58.8 | 57.8 | 57.8 | 57.6 | 57.3 | 57.3 | 57.3 | 56.8 | 56.5 |
| 42.5° | 63.8 | 56.3 | 54.5 | 54.0 | 53.5 | 53.3 | 52.8 | 52.0 | 52.0 | 51.5 | 50.8 |
| 45° | 56.3 | 52.0 | 51.5 | 51.0 | 51.0 | 50.3 | 49.5 | 49.0 | 48.8 | 48.5 | 48.0 |
| 47.5° | 51.5 | 49.3 | 48.8 | 48.3 | 48.0 | 47.5 | 46.7 | 46.0 | 45.7 | 45.5 | 45.5 |
| 50° | 46.2 | 44.7 | 44.7 | 44.7 | 44.0 | 43.5 | 42.7 | 42.2 | 42.2 | 42.0 | 41.7 |
| 52.5° | 42.5 | 41.7 | 41.5 | 41.2 | 40.7 | 40.0 | 39.5 | 39.2 | 39.0 | 39.2 | 39.0 |
| 55° | 40.7 | 40.2 | 40.0 | 39.5 | 39.0 | 38.2 | 37.7 | 36.9 | 36.7 | 37.2 | 37.2 |
| 57.5° | 38.7 | 38.5 | 38.2 | 37.7 | 37.2 | 36.2 | 35.4 | 34.9 | 34.9 | 35.7 | 35.4 |
| 60° | 38.0 | 37.7 | 37.4 | 37.2 | 36.4 | 35.2 | 33.9 | 33.4 | 33.4 | 34.2 | 34.2 |
| 62.5° | 36.2 | 35.9 | 35.7 | 35.4 | 34.4 | 33.4 | 32.2 | 31.7 | 31.9 | 32.4 | 33.2 |
| 65° | 32.9 | 33.2 | 32.9 | 32.9 | 32.2 | 31.4 | 30.7 | 30.2 | 29.9 | 30.2 | 30.9 |
| 67.5° | 29.9 | 30.2 | 30.2 | 30.2 | 29.9 | 29.2 | 28.7 | 27.9 | 27.4 | 27.6 | 27.9 |
| 70° | 27.1 | 27.4 | 27.6 | 27.6 | 27.1 | 26.4 | 25.6 | 24.9 | 24.6 | 24.9 | 24.9 |
| 72.5° | 24.1 | 24.1 | 24.1 | 24.4 | 24.1 | 23.9 | 22.9 | 21.9 | 21.9 | 21.6 | 21.9 |
| 75° | 21.1 | 21.1 | 21.1 | 21.1 | 20.6 | 20.6 | 20.1 | 19.1 | 18.8 | 19.1 | 19.4 |
| 77.5° | 18.6 | 18.1 | 17.8 | 17.8 | 17.8 | 17.3 | 17.1 | 17.1 | 16.8 | 16.8 | 16.8 |
| 80° | 15.3 | 14.8 | 14.3 | 14.1 | 14.3 | 14.3 | 14.8 | 14.8 | 14.6 | 14.6 | 14.6 |
| 82.5° | 12.1 | 11.1 | 10.8 | 10.8 | 10.3 | 10.8 | 11.8 | 13.1 | 12.6 | 12.8 | 12.8 |
| 85° | 8.8 | 7.8 | 7.3 | 7.3 | 6.8 | 7.8 | 9.0 | 10.1 | 9.6 | 10.1 | 9.8 |
| 87.5° | 4.0 | 3.8 | 3.0 | 2.5 | 3.0 | 4.5 | 5.3 | 5.5 | 4.8 | 5.8 | 5.8 |
| 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: P141384

CATALOG NUMBER: ECM-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 |
| 2.5° | 257.6 | 256.6 | 256.4 | 256.6 | 256.1 | 256.9 | 256.9 | 256.6 | 256.6 | 256.4 | 256.9 |
| 5° | 259.1 | 257.9 | 257.1 | 257.1 | 256.6 | 257.4 | 256.9 | 256.6 | 256.4 | 256.4 | 256.4 |
| 7.5° | 261.4 | 259.6 | 258.4 | 257.6 | 256.6 | 256.6 | 255.9 | 255.1 | 254.6 | 254.3 | 254.3 |
| 10° | 263.4 | 260.9 | 258.9 | 257.1 | 255.6 | 254.3 | 253.1 | 251.3 | 250.8 | 250.3 | 250.6 |
| 12.5° | 263.1 | 260.4 | 257.4 | 254.6 | 251.1 | 249.6 | 246.3 | 244.3 | 244.3 | 243.0 | 243.8 |
| 15° | 257.6 | 252.8 | 248.6 | 244.0 | 239.8 | 236.8 | 232.7 | 230.5 | 229.2 | 229.0 | 230.7 |
| 17.5° | 241.0 | 236.5 | 232.5 | 227.5 | 221.9 | 219.9 | 217.2 | 216.1 | 215.4 | 216.6 | 217.9 |
| 20° | 218.7 | 212.9 | 209.1 | 206.1 | 206.1 | 205.6 | 204.3 | 202.6 | 201.1 | 200.8 | 202.3 |
| 22.5° | 187.0 | 184.7 | 185.5 | 183.5 | 183.5 | 182.5 | 184.5 | 181.2 | 183.0 | 181.5 | 182.2 |
| 25° | 160.6 | 159.6 | 159.1 | 158.8 | 158.8 | 160.6 | 160.3 | 160.9 | 159.1 | 160.1 | 159.8 |
| 27.5° | 136.7 | 135.5 | 133.7 | 134.7 | 135.7 | 137.0 | 137.5 | 137.7 | 139.2 | 136.5 | 137.5 |
| 30° | 113.9 | 111.8 | 113.1 | 112.1 | 112.6 | 112.3 | 112.3 | 112.3 | 113.4 | 115.4 | 113.9 |
| 32.5° | 93.2 | 92.2 | 93.5 | 91.7 | 92.0 | 92.0 | 91.5 | 90.7 | 91.2 | 89.0 | 90.7 |
| 35° | 77.2 | 75.9 | 76.9 | 76.2 | 75.4 | 73.4 | 72.6 | 71.4 | 71.6 | 71.1 | 70.9 |
| 37.5° | 64.6 | 64.3 | 63.6 | 63.6 | 63.1 | 62.8 | 61.6 | 61.8 | 62.1 | 62.6 | 62.6 |
| 40° | 55.8 | 55.5 | 55.3 | 55.8 | 56.0 | 56.3 | 56.8 | 57.3 | 58.1 | 58.8 | 59.6 |
| 42.5° | 50.8 | 50.8 | 50.8 | 51.8 | 52.5 | 53.8 | 54.5 | 55.5 | 56.5 | 57.8 | 58.8 |
| 45° | 47.8 | 47.5 | 48.0 | 48.8 | 50.0 | 51.3 | 52.5 | 54.0 | 55.5 | 56.8 | 57.6 |
| 47.5° | 45.2 | 45.0 | 45.5 | 46.2 | 47.5 | 49.5 | 51.3 | 53.0 | 54.8 | 56.0 | 56.5 |
| 50° | 42.0 | 42.0 | 42.2 | 43.0 | 44.2 | 46.0 | 47.8 | 49.8 | 51.5 | 52.5 | 53.0 |
| 52.5° | 39.5 | 39.7 | 39.7 | 40.5 | 41.7 | 43.2 | 45.0 | 46.7 | 48.0 | 48.8 | 49.8 |
| 55° | 36.9 | 37.4 | 37.4 | 38.2 | 39.5 | 41.2 | 43.5 | 45.0 | 46.5 | 47.5 | 48.3 |
| 57.5° | 35.2 | 35.4 | 35.4 | 36.4 | 38.0 | 39.5 | 41.7 | 43.7 | 45.5 | 46.7 | 47.8 |
| 60° | 33.7 | 33.9 | 33.7 | 34.9 | 36.2 | 38.0 | 40.0 | 42.2 | 44.7 | 46.5 | 47.3 |
| 62.5° | 32.4 | 32.4 | 32.2 | 33.2 | 33.9 | 34.9 | 36.7 | 39.2 | 41.5 | 43.0 | 43.7 |
| 65° | 30.9 | 30.9 | 30.4 | 31.4 | 31.4 | 32.9 | 34.2 | 36.4 | 38.2 | 40.0 | 40.5 |
| 67.5° | 27.9 | 28.4 | 28.1 | 28.9 | 29.9 | 30.9 | 32.4 | 34.2 | 35.9 | 37.2 | 38.0 |
| 70° | 24.9 | 25.1 | 25.9 | 26.4 | 27.4 | 27.9 | 29.2 | 30.4 | 32.2 | 32.9 | 33.7 |
| 72.5° | 22.1 | 22.4 | 22.9 | 23.4 | 24.4 | 24.9 | 25.9 | 26.9 | 28.4 | 29.2 | 29.9 |
| 75° | 19.4 | 19.6 | 19.9 | 20.4 | 20.9 | 21.4 | 21.9 | 22.9 | 23.9 | 24.9 | 25.6 |
| 77.5° | 16.6 | 16.8 | 17.6 | 17.3 | 17.8 | 18.1 | 18.8 | 19.4 | 19.9 | 20.9 | 21.9 |
| 80° | 14.6 | 14.3 | 14.8 | 15.1 | 15.6 | 15.6 | 16.1 | 16.1 | 16.8 | 16.8 | 17.1 |
| 82.5° | 12.3 | 12.1 | 12.6 | 13.3 | 13.6 | 13.6 | 14.1 | 13.1 | 12.8 | 13.1 | 13.8 |
| 85° | 9.3 | 9.6 | 9.8 | 10.8 | 11.1 | 11.1 | 11.6 | 10.8 | 9.8 | 9.8 | 10.3 |
| 87.5° | 5.3 | 4.0 | 5.8 | 6.8 | 6.8 | 7.0 | 7.5 | 7.3 | 7.0 | 5.5 | 5.8 |
| 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: P141384
 CATALOG NUMBER: ECM-F01-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 0° |
| 2.5° | 256.6 | 256.9 | 257.1 | 257.4 | 257.6 | 257.4 | 257.9 | 257.4 | 257.6 | 257.1 | 256.9 | 2.5° |
| 5° | 256.4 | 256.6 | 256.6 | 257.1 | 257.4 | 256.6 | 257.1 | 256.4 | 256.4 | 255.9 | 255.1 | 5° |
| 7.5° | 254.6 | 255.1 | 255.1 | 255.6 | 255.6 | 254.8 | 254.8 | 253.3 | 252.8 | 251.1 | 249.8 | 7.5° |
| 10° | 251.1 | 251.8 | 252.3 | 253.3 | 253.8 | 252.6 | 251.8 | 250.1 | 248.1 | 246.1 | 244.0 | 10° |
| 12.5° | 245.0 | 245.3 | 247.1 | 248.6 | 249.3 | 250.1 | 249.6 | 249.3 | 247.3 | 246.1 | 245.3 | 12.5° |
| 15° | 231.2 | 233.2 | 235.0 | 238.5 | 241.0 | 243.8 | 245.8 | 248.1 | 249.1 | 250.3 | 250.8 | 15° |
| 17.5° | 219.2 | 221.4 | 222.7 | 225.7 | 228.2 | 232.5 | 237.8 | 243.5 | 247.6 | 252.6 | 257.4 | 17.5° |
| 20° | 202.3 | 206.1 | 207.1 | 211.9 | 215.1 | 220.7 | 226.4 | 233.7 | 241.8 | 249.6 | 258.1 | 20° |
| 22.5° | 183.5 | 185.2 | 187.2 | 192.3 | 196.3 | 203.3 | 212.1 | 222.2 | 231.5 | 242.3 | 254.6 | 22.5° |
| 25° | 160.6 | 162.9 | 164.9 | 170.4 | 176.2 | 182.7 | 193.3 | 205.6 | 217.4 | 231.7 | 247.8 | 25° |
| 27.5° | 138.0 | 139.7 | 143.3 | 147.3 | 153.8 | 160.9 | 173.9 | 187.5 | 201.1 | 218.4 | 237.5 | 27.5° |
| 30° | 114.4 | 116.1 | 117.9 | 122.6 | 129.4 | 137.7 | 149.5 | 165.6 | 181.7 | 200.3 | 222.9 | 30° |
| 32.5° | 91.7 | 92.2 | 95.8 | 99.3 | 105.1 | 112.1 | 124.9 | 140.5 | 157.8 | 180.5 | 202.8 | 32.5° |
| 35° | 71.6 | 74.6 | 76.2 | 80.9 | 84.4 | 91.7 | 102.5 | 116.9 | 135.0 | 157.8 | 182.0 | 35° |
| 37.5° | 63.6 | 64.6 | 66.6 | 70.1 | 74.9 | 81.4 | 89.0 | 100.0 | 115.6 | 135.0 | 157.6 | 37.5° |
| 40° | 60.6 | 61.6 | 63.1 | 65.8 | 70.4 | 76.4 | 82.7 | 91.5 | 103.5 | 118.9 | 139.2 | 40° |
| 42.5° | 59.6 | 59.8 | 60.3 | 62.8 | 67.4 | 74.1 | 81.7 | 90.0 | 99.3 | 111.6 | 127.7 | 42.5° |
| 45° | 58.3 | 58.3 | 58.6 | 60.3 | 64.3 | 71.4 | 80.9 | 91.5 | 102.0 | 113.1 | 126.7 | 45° |
| 47.5° | 57.3 | 57.6 | 57.3 | 58.1 | 61.1 | 67.9 | 78.4 | 91.2 | 105.3 | 119.6 | 134.5 | 47.5° |
| 50° | 53.3 | 53.3 | 53.5 | 53.8 | 56.0 | 62.6 | 72.9 | 87.0 | 104.3 | 123.7 | 144.0 | 50° |
| 52.5° | 50.0 | 50.5 | 50.5 | 51.0 | 52.5 | 57.8 | 68.1 | 82.9 | 101.8 | 124.4 | 151.8 | 52.5° |
| 55° | 49.0 | 49.5 | 49.8 | 49.8 | 50.8 | 55.3 | 65.1 | 79.2 | 99.0 | 123.7 | 154.8 | 55° |
| 57.5° | 48.3 | 48.8 | 49.0 | 48.8 | 49.5 | 53.3 | 62.3 | 76.2 | 96.0 | 121.9 | 156.1 | 57.5° |
| 60° | 47.5 | 47.8 | 47.3 | 46.7 | 47.0 | 50.3 | 58.3 | 71.9 | 92.5 | 119.4 | 155.6 | 60° |
| 62.5° | 44.0 | 44.2 | 43.7 | 43.2 | 42.7 | 45.2 | 52.5 | 65.8 | 85.2 | 113.6 | 151.6 | 62.5° |
| 65° | 41.0 | 41.0 | 41.0 | 40.5 | 40.0 | 41.5 | 46.7 | 58.1 | 74.9 | 103.3 | 142.3 | 65° |
| 67.5° | 38.5 | 38.2 | 38.2 | 38.0 | 37.4 | 38.0 | 41.2 | 49.0 | 62.1 | 87.0 | 125.4 | 67.5° |
| 70° | 34.4 | 34.2 | 34.4 | 34.2 | 33.7 | 33.7 | 35.2 | 39.5 | 48.3 | 63.8 | 97.5 | 70° |
| 72.5° | 30.4 | 30.7 | 31.2 | 31.2 | 31.2 | 31.4 | 31.4 | 32.7 | 37.4 | 45.7 | 66.4 | 72.5° |
| 75° | 26.1 | 26.4 | 27.1 | 28.1 | 27.6 | 27.9 | 27.9 | 28.7 | 31.2 | 36.2 | 46.5 | 75° |
| 77.5° | 22.1 | 22.9 | 23.9 | 24.1 | 23.4 | 23.4 | 23.9 | 25.1 | 27.4 | 30.4 | 35.4 | 77.5° |
| 80° | 18.1 | 19.1 | 19.4 | 19.9 | 20.1 | 20.1 | 20.6 | 21.6 | 23.9 | 27.6 | 31.7 | 80° |
| 82.5° | 14.3 | 15.1 | 15.8 | 16.6 | 17.1 | 17.8 | 18.1 | 18.6 | 20.9 | 24.6 | 29.2 | 82.5° |
| 85° | 10.8 | 11.6 | 12.6 | 13.3 | 13.8 | 14.6 | 14.3 | 14.6 | 15.8 | 18.8 | 22.1 | 85° |
| 87.5° | 6.5 | 6.5 | 7.3 | 7.5 | 7.8 | 7.8 | 8.3 | 7.3 | 7.8 | 10.1 | 12.1 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |



NUMBER: P141384

NUMBER: ECM-F01-LED-E1-SLL-7030

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|-------|-------|-------|-------|-------|-------|
| 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 |
| 257.1 | 256.9 | 256.6 | 256.9 | 257.4 | 257.4 | 256.6 |
| 255.4 | 254.6 | 254.1 | 254.1 | 254.1 | 253.8 | 253.3 |
| 249.3 | 248.1 | 247.3 | 246.8 | 246.6 | 246.6 | 245.6 |
| 242.8 | 242.0 | 240.5 | 240.0 | 240.3 | 241.0 | 240.8 |
| 244.3 | 242.0 | 241.3 | 241.3 | 241.0 | 242.3 | 242.0 |
| 252.6 | 252.6 | 251.6 | 251.3 | 250.8 | 252.3 | 252.3 |
| 261.4 | 263.6 | 264.7 | 263.6 | 263.9 | 264.1 | 266.2 |
| 266.2 | 272.7 | 276.2 | 279.0 | 279.2 | 280.7 | 280.5 |
| 266.9 | 278.7 | 288.0 | 294.1 | 299.6 | 302.4 | 301.8 |
| 263.1 | 279.5 | 295.8 | 311.1 | 322.7 | 329.0 | 334.3 |
| 258.1 | 277.5 | 298.6 | 320.2 | 339.0 | 355.9 | 366.4 |
| 246.3 | 270.9 | 298.1 | 325.7 | 352.6 | 376.7 | 396.3 |
| 229.7 | 258.1 | 290.5 | 327.0 | 364.7 | 398.1 | 426.8 |
| 207.6 | 238.0 | 277.5 | 322.2 | 372.0 | 421.7 | 465.0 |
| 183.7 | 217.2 | 260.4 | 314.2 | 375.7 | 440.6 | 499.9 |
| 162.9 | 195.8 | 243.0 | 303.9 | 375.2 | 452.9 | 525.5 |
| 149.3 | 180.2 | 228.0 | 294.1 | 372.7 | 459.9 | 545.6 |
| 144.8 | 172.7 | 217.9 | 286.3 | 371.2 | 465.0 | 559.5 |
| 150.8 | 174.9 | 215.6 | 282.7 | 370.7 | 470.7 | 571.5 |
| 164.9 | 187.5 | 224.2 | 288.5 | 375.2 | 476.5 | 583.6 |
| 178.2 | 205.1 | 242.8 | 305.1 | 392.1 | 493.4 | 600.2 |
| 189.0 | 224.2 | 262.9 | 327.0 | 416.2 | 519.5 | 625.1 |
| 195.0 | 239.0 | 289.0 | 357.4 | 449.1 | 558.0 | 665.8 |
| 197.5 | 249.3 | 311.4 | 389.3 | 490.6 | 601.9 | 717.3 |
| 196.5 | 254.1 | 327.5 | 418.5 | 528.0 | 650.2 | 775.9 |
| 190.3 | 254.1 | 337.5 | 441.8 | 559.5 | 688.6 | 827.4 |
| 175.2 | 245.3 | 338.5 | 455.4 | 583.6 | 721.1 | 869.6 |
| 147.5 | 219.9 | 321.7 | 453.9 | 591.1 | 731.4 | 891.7 |
| 103.3 | 164.1 | 268.4 | 410.2 | 559.0 | 707.0 | 867.3 |
| 64.1 | 102.3 | 192.3 | 317.2 | 465.2 | 599.9 | 771.8 |
| 45.0 | 62.1 | 110.1 | 200.8 | 320.2 | 447.1 | 576.3 |
| 37.4 | 45.7 | 62.8 | 110.6 | 192.5 | 275.5 | 362.4 |
| 32.4 | 36.9 | 43.7 | 63.1 | 98.0 | 146.8 | 201.8 |
| 24.1 | 26.9 | 30.2 | 41.5 | 61.8 | 90.7 | 138.0 |
| 9.8 | 11.1 | 12.3 | 16.6 | 38.0 | 52.3 | 56.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)