

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: P141445

Luminaire Tested: **EMM-F03-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141445
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: EMM-F03-LED-E1-SLL
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6477.6 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

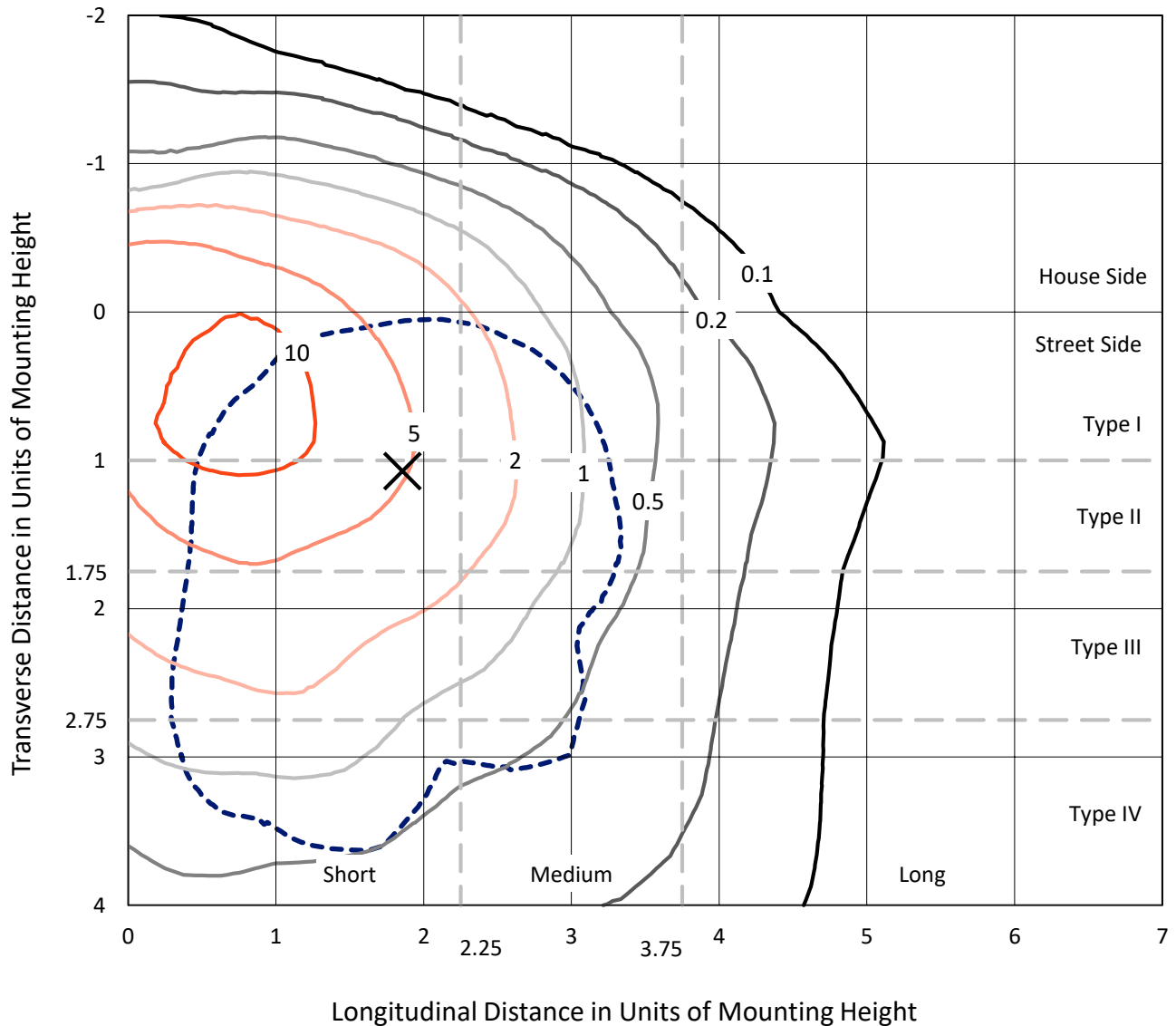
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

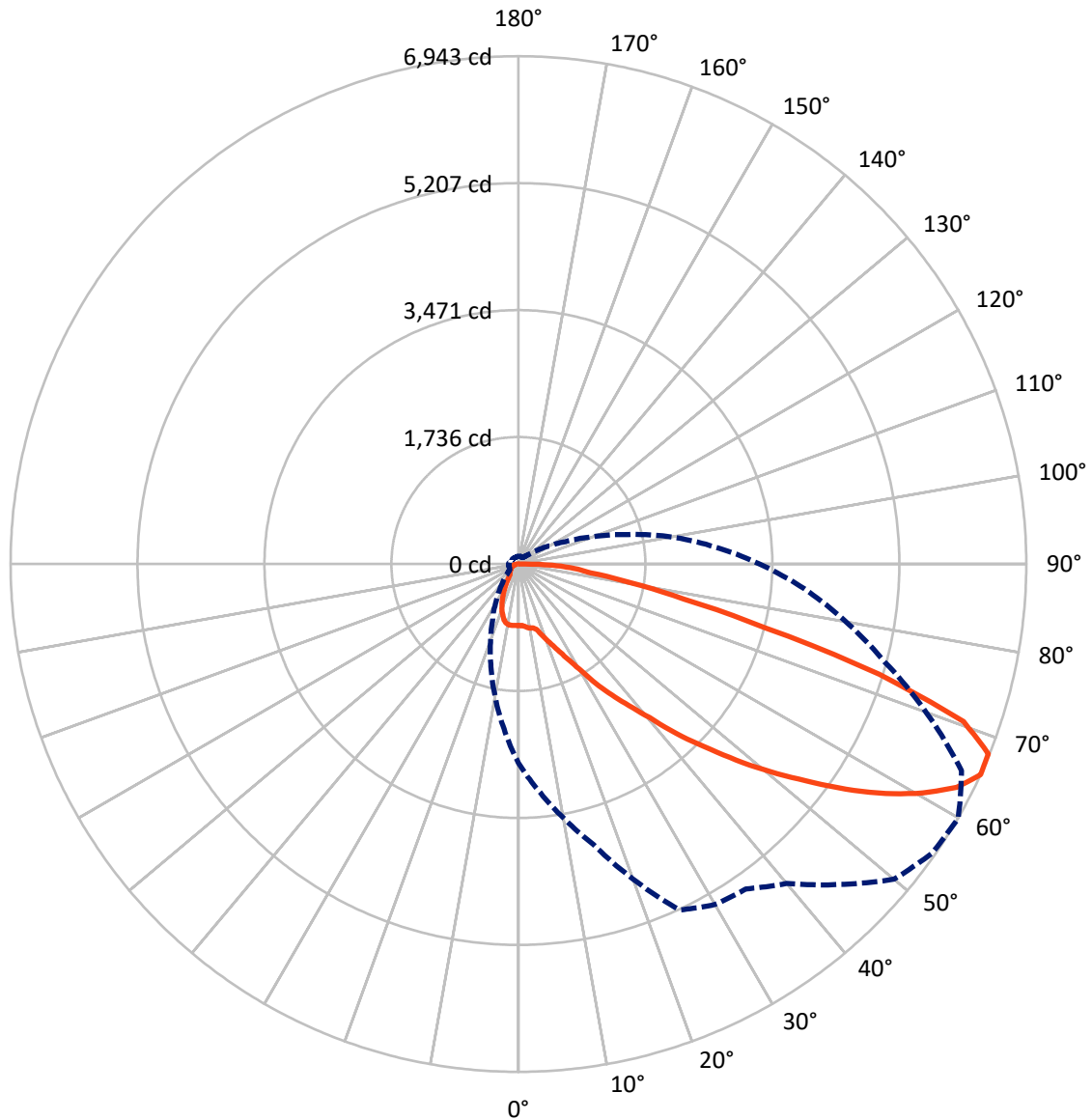
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 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 | 1201.4 | 0.0 | 1201.4 |
| | % Fixture | 18.5 | 0.0 | 18.5 |
| Street Side | Lumens | 5276.1 | 0.0 | 5276.1 |
| | % Fixture | 81.5 | 0.0 | 81.5 |
| Total | Lumens | 6477.6 | 0.0 | 6477.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.5 | 1.3 |
| 10°-20° | 244.7 | 3.8 |
| 20°-30° | 406.5 | 6.3 |
| 30°-40° | 594.2 | 9.2 |
| 40°-50° | 903.9 | 14.0 |
| 50°-60° | 1299.3 | 20.1 |
| 60°-70° | 1597.5 | 24.7 |
| 70°-80° | 1068.7 | 16.5 |
| 80°-90° | 281.2 | 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° | 6477.6 | 100.0 |
| 0°-180° | 6477.6 | 100.0 |



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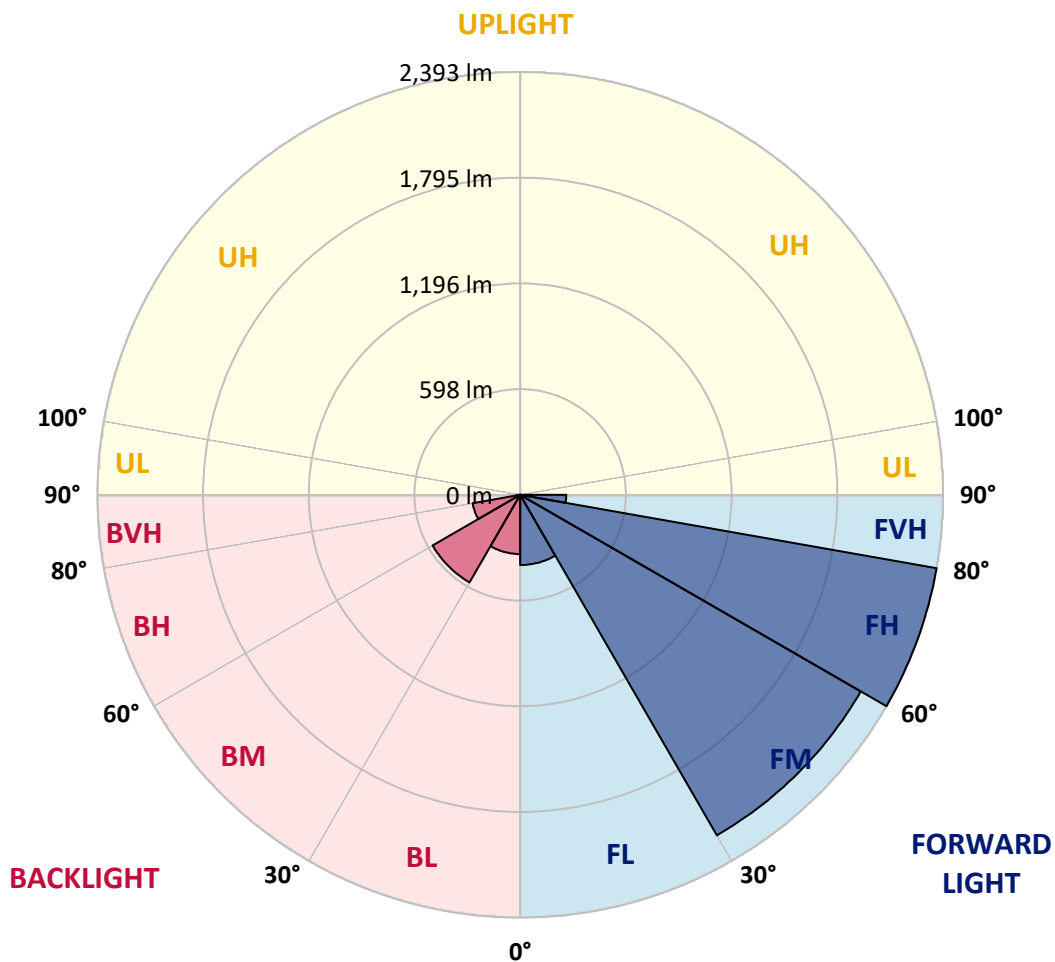
CATALOG NUMBER: EMM-F03-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 397.3 | 6.1 | | | |
| FM | (30°-60°) | 2225.3 | 34.4 | | | |
| FH | (60°-80°) | 2392.8 | 36.9 | | | G2/5000 |
| FVH | (80°-90°) | 260.7 | 4.0 | | | G3/500 |
| BL | (0°-30°) | 335.3 | 5.2 | B1/500 | | |
| BM | (30°-60°) | 572.3 | 8.8 | B1/1000 | | |
| BH | (60°-80°) | 273.4 | 4.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 20.4 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short





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CATALOG NUMBER: EMM-F03-LED-E1-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 |
| 2.5° | 842.9 | 843.7 | 843.7 | 842.9 | 842.0 | 842.9 | 841.2 | 842.9 | 842.0 | 841.2 | 842.0 |
| 5° | 832.1 | 833.0 | 834.6 | 834.6 | 836.3 | 839.6 | 840.4 | 844.5 | 847.0 | 847.8 | 851.1 |
| 7.5° | 806.5 | 810.7 | 813.1 | 816.4 | 821.4 | 829.7 | 835.4 | 845.3 | 852.8 | 859.4 | 868.5 |
| 10° | 790.9 | 795.8 | 800.8 | 808.2 | 815.6 | 826.4 | 836.3 | 848.6 | 858.5 | 868.5 | 879.2 |
| 12.5° | 795.0 | 800.8 | 807.4 | 813.1 | 824.7 | 834.6 | 847.0 | 861.8 | 866.8 | 876.7 | 885.8 |
| 15° | 828.8 | 833.8 | 838.7 | 845.3 | 856.1 | 867.6 | 884.1 | 900.6 | 903.9 | 914.7 | 924.6 |
| 17.5° | 874.2 | 875.1 | 883.3 | 894.9 | 904.8 | 923.8 | 943.6 | 965.9 | 979.9 | 986.5 | 992.3 |
| 20° | 921.3 | 923.8 | 937.0 | 947.7 | 970.0 | 994.8 | 1023.7 | 1056.7 | 1068.2 | 1097.1 | 1107.9 |
| 22.5° | 991.5 | 990.6 | 1006.3 | 1021.2 | 1045.9 | 1072.4 | 1114.5 | 1159.9 | 1186.3 | 1208.6 | 1216.8 |
| 25° | 1097.9 | 1100.4 | 1097.9 | 1119.4 | 1145.0 | 1187.9 | 1230.0 | 1275.4 | 1291.1 | 1329.9 | 1348.1 |
| 27.5° | 1203.6 | 1222.6 | 1248.2 | 1254.8 | 1286.2 | 1335.7 | 1368.7 | 1417.4 | 1455.4 | 1466.1 | 1495.9 |
| 30° | 1301.9 | 1341.5 | 1383.6 | 1419.1 | 1475.2 | 1535.5 | 1585.0 | 1640.3 | 1642.8 | 1662.6 | 1670.9 |
| 32.5° | 1401.7 | 1463.7 | 1525.6 | 1571.0 | 1625.5 | 1705.5 | 1797.2 | 1887.1 | 1945.8 | 2006.0 | 1975.5 |
| 35° | 1527.2 | 1623.8 | 1710.5 | 1780.7 | 1826.9 | 1901.2 | 2006.9 | 2153.0 | 2247.1 | 2318.9 | 2360.2 |
| 37.5° | 1642.0 | 1788.1 | 1921.0 | 2020.9 | 2134.0 | 2186.8 | 2256.2 | 2361.8 | 2470.0 | 2536.8 | 2571.5 |
| 40° | 1726.2 | 1925.9 | 2114.2 | 2258.6 | 2402.3 | 2528.6 | 2616.1 | 2701.9 | 2848.1 | 2931.4 | 2938.0 |
| 42.5° | 1792.2 | 2046.5 | 2273.5 | 2480.7 | 2692.0 | 2868.7 | 2974.4 | 3083.3 | 3269.1 | 3365.7 | 3358.2 |
| 45° | 1837.6 | 2136.5 | 2418.0 | 2673.0 | 2929.0 | 3159.3 | 3363.2 | 3525.0 | 3714.9 | 3899.0 | 3861.8 |
| 47.5° | 1877.2 | 2210.8 | 2532.7 | 2820.8 | 3127.9 | 3415.2 | 3669.5 | 3897.3 | 4148.3 | 4396.7 | 4411.6 |
| 50° | 1916.9 | 2271.0 | 2636.7 | 2968.6 | 3314.5 | 3675.2 | 3982.3 | 4275.4 | 4589.1 | 4905.3 | 4977.9 |
| 52.5° | 1971.4 | 2338.7 | 2733.3 | 3103.1 | 3505.2 | 3885.7 | 4228.3 | 4593.2 | 4981.2 | 5286.7 | 5493.0 |
| 55° | 2053.1 | 2432.8 | 2853.0 | 3237.7 | 3676.1 | 4095.4 | 4474.3 | 4895.4 | 5252.0 | 5629.3 | 5923.1 |
| 57.5° | 2186.8 | 2558.3 | 2991.7 | 3384.7 | 3841.2 | 4285.3 | 4679.1 | 5120.7 | 5460.8 | 5879.4 | 6248.4 |
| 60° | 2356.0 | 2729.2 | 3148.6 | 3558.8 | 4035.2 | 4551.9 | 4949.0 | 5275.9 | 5616.9 | 6040.4 | 6484.5 |
| 62.5° | 2548.4 | 2922.4 | 3340.1 | 3763.6 | 4305.1 | 4864.8 | 5205.8 | 5392.3 | 5689.5 | 6151.0 | 6637.2 |
| 65° | 2717.6 | 3103.1 | 3520.0 | 3969.1 | 4581.7 | 5218.1 | 5375.0 | 5422.0 | 5700.2 | 6195.6 | 6703.3 |
| 67.5° | 2856.3 | 3299.6 | 3688.4 | 4135.9 | 4873.1 | 5442.7 | 5378.3 | 5284.2 | 5554.1 | 6087.4 | 6577.0 |
| 70° | 2929.0 | 3387.1 | 3768.5 | 4150.7 | 4935.0 | 5474.1 | 5248.7 | 4992.8 | 5115.8 | 5637.5 | 6047.0 |
| 72.5° | 2848.9 | 3318.6 | 3619.9 | 3857.7 | 4564.3 | 5087.7 | 4800.4 | 4317.5 | 4429.8 | 4935.0 | 5040.7 |
| 75° | 2535.2 | 3102.3 | 3278.2 | 3269.9 | 3650.5 | 3921.2 | 3713.2 | 3405.3 | 3691.7 | 3902.3 | 3794.1 |
| 77.5° | 1892.9 | 2541.0 | 2639.2 | 2458.4 | 2539.3 | 2767.2 | 2570.7 | 2810.1 | 3157.6 | 3252.6 | 3047.8 |
| 80° | 1190.4 | 1862.4 | 1873.1 | 1647.7 | 1604.8 | 1694.0 | 1947.4 | 2456.8 | 2788.6 | 2768.8 | 2498.0 |
| 82.5° | 662.9 | 1207.7 | 1322.5 | 1116.1 | 1063.3 | 1282.0 | 1734.4 | 2005.2 | 1961.4 | 1944.9 | 1592.4 |
| 85° | 453.2 | 824.7 | 1008.0 | 966.7 | 1069.1 | 1278.7 | 1422.4 | 1271.3 | 1224.3 | 1042.6 | 846.2 |
| 87.5° | 184.1 | 371.5 | 624.9 | 718.2 | 762.0 | 935.3 | 818.9 | 667.0 | 513.5 | 487.1 | 418.5 |
| 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: EMM-F03-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 |
| 2.5° | 839.6 | 841.2 | 841.2 | 842.0 | 842.9 | 843.7 | 843.7 | 843.7 | 844.5 | 845.3 | 844.5 |
| 5° | 851.9 | 854.4 | 856.1 | 856.1 | 857.7 | 859.4 | 861.0 | 860.2 | 862.7 | 864.3 | 865.2 |
| 7.5° | 871.8 | 876.7 | 880.8 | 884.1 | 885.8 | 885.8 | 885.8 | 883.3 | 885.8 | 886.6 | 887.4 |
| 10° | 885.8 | 891.6 | 892.4 | 895.7 | 894.9 | 894.0 | 892.4 | 890.7 | 891.6 | 893.2 | 895.7 |
| 12.5° | 889.9 | 895.7 | 897.3 | 899.8 | 899.0 | 898.2 | 894.9 | 894.9 | 894.0 | 896.5 | 899.0 |
| 15° | 923.8 | 928.7 | 937.0 | 929.5 | 930.4 | 923.8 | 918.0 | 914.7 | 913.0 | 914.7 | 916.3 |
| 17.5° | 1001.4 | 1009.6 | 1006.3 | 994.8 | 993.9 | 979.9 | 977.4 | 960.9 | 960.9 | 960.9 | 956.0 |
| 20° | 1107.9 | 1107.0 | 1101.3 | 1089.7 | 1064.9 | 1060.0 | 1041.8 | 1028.6 | 1016.2 | 1013.7 | 1008.0 |
| 22.5° | 1224.3 | 1211.9 | 1208.6 | 1184.6 | 1168.9 | 1139.2 | 1112.0 | 1102.1 | 1090.5 | 1088.0 | 1087.2 |
| 25° | 1337.4 | 1342.3 | 1318.4 | 1306.8 | 1267.2 | 1240.8 | 1225.1 | 1200.3 | 1200.3 | 1197.0 | 1192.9 |
| 27.5° | 1479.3 | 1495.9 | 1469.4 | 1452.9 | 1415.8 | 1378.6 | 1351.4 | 1336.5 | 1320.8 | 1310.1 | 1280.4 |
| 30° | 1679.9 | 1690.7 | 1672.5 | 1638.7 | 1592.4 | 1526.4 | 1489.2 | 1472.7 | 1443.8 | 1407.5 | 1358.8 |
| 32.5° | 1962.3 | 1947.4 | 1885.5 | 1826.1 | 1765.8 | 1703.1 | 1658.5 | 1628.8 | 1584.2 | 1511.5 | 1419.1 |
| 35° | 2328.0 | 2200.0 | 2122.4 | 2040.7 | 1971.4 | 1901.2 | 1867.3 | 1813.7 | 1712.1 | 1594.1 | 1470.3 |
| 37.5° | 2507.9 | 2451.0 | 2361.8 | 2300.7 | 2218.2 | 2148.0 | 2071.2 | 1979.6 | 1848.4 | 1679.1 | 1507.4 |
| 40° | 2868.7 | 2761.4 | 2692.0 | 2622.7 | 2521.2 | 2425.4 | 2321.4 | 2173.6 | 1962.3 | 1751.8 | 1536.3 |
| 42.5° | 3247.6 | 3168.4 | 3042.9 | 2950.4 | 2874.5 | 2716.0 | 2550.9 | 2344.5 | 2078.7 | 1817.8 | 1562.7 |
| 45° | 3741.3 | 3559.7 | 3404.5 | 3326.0 | 3176.6 | 2983.4 | 2791.1 | 2496.4 | 2186.0 | 1887.1 | 1592.4 |
| 47.5° | 4237.4 | 4003.8 | 3843.6 | 3697.5 | 3538.2 | 3279.0 | 2979.3 | 2628.5 | 2268.5 | 1944.9 | 1617.2 |
| 50° | 4769.9 | 4462.0 | 4277.0 | 4102.0 | 3839.5 | 3525.8 | 3144.4 | 2737.4 | 2354.4 | 1999.4 | 1639.5 |
| 52.5° | 5311.4 | 4922.6 | 4658.4 | 4454.5 | 4129.3 | 3741.3 | 3293.8 | 2850.5 | 2446.0 | 2052.3 | 1657.7 |
| 55° | 5798.5 | 5433.6 | 5092.7 | 4778.1 | 4386.8 | 3936.1 | 3430.9 | 2952.1 | 2528.6 | 2107.6 | 1669.2 |
| 57.5° | 6240.1 | 5922.3 | 5515.3 | 5093.5 | 4623.8 | 4116.9 | 3557.2 | 3061.9 | 2606.2 | 2148.0 | 1668.4 |
| 60° | 6543.1 | 6357.4 | 5934.7 | 5420.4 | 4871.4 | 4282.8 | 3709.1 | 3184.0 | 2674.7 | 2176.9 | 1661.8 |
| 62.5° | 6761.0 | 6723.9 | 6354.9 | 5734.9 | 5073.7 | 4432.2 | 3856.0 | 3285.6 | 2724.2 | 2180.2 | 1633.7 |
| 65° | 6897.3 | 6942.7 | 6683.4 | 5934.7 | 5186.8 | 4546.2 | 3928.7 | 3294.7 | 2688.7 | 2125.7 | 1559.4 |
| 67.5° | 6811.4 | 6928.6 | 6681.8 | 5848.0 | 5078.6 | 4439.7 | 3822.2 | 3142.8 | 2499.7 | 1956.5 | 1392.7 |
| 70° | 6278.9 | 6454.8 | 6211.2 | 5273.5 | 4549.5 | 4028.6 | 3430.1 | 2699.5 | 2150.5 | 1611.4 | 1100.4 |
| 72.5° | 4925.1 | 5157.1 | 4944.1 | 4301.0 | 3766.0 | 3330.2 | 2886.0 | 2119.9 | 1639.5 | 1183.8 | 739.7 |
| 75° | 3397.9 | 3487.0 | 3359.9 | 2915.8 | 2751.5 | 2581.4 | 2166.2 | 1424.9 | 1083.1 | 730.6 | 435.1 |
| 77.5° | 2635.9 | 2313.1 | 2069.6 | 1888.0 | 1884.7 | 1853.3 | 1417.4 | 852.8 | 648.0 | 402.0 | 241.9 |
| 80° | 1982.1 | 1556.1 | 1284.5 | 1123.5 | 1168.1 | 1306.0 | 826.4 | 437.5 | 335.2 | 222.1 | 148.6 |
| 82.5° | 1304.3 | 993.1 | 792.5 | 701.7 | 709.1 | 818.9 | 415.2 | 241.1 | 165.1 | 126.3 | 96.6 |
| 85° | 795.0 | 771.9 | 688.5 | 624.9 | 576.2 | 563.0 | 322.8 | 184.9 | 91.6 | 65.2 | 49.5 |
| 87.5° | 388.0 | 459.8 | 561.4 | 568.8 | 488.7 | 414.4 | 167.6 | 52.8 | 38.8 | 20.6 | 14.9 |
| 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: EMM-F03-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 |
| 2.5° | 845.3 | 849.5 | 847.8 | 847.0 | 847.0 | 851.1 | 851.1 | 849.5 | 849.5 | 850.3 | 850.3 |
| 5° | 865.2 | 869.3 | 867.6 | 868.5 | 870.1 | 870.9 | 873.4 | 870.9 | 869.3 | 870.9 | 870.1 |
| 7.5° | 888.3 | 892.4 | 891.6 | 893.2 | 894.9 | 896.5 | 898.2 | 897.3 | 895.7 | 895.7 | 894.9 |
| 10° | 898.2 | 906.4 | 909.7 | 913.0 | 917.2 | 918.8 | 921.3 | 921.3 | 918.0 | 918.0 | 913.9 |
| 12.5° | 904.8 | 911.4 | 919.6 | 924.6 | 932.0 | 937.8 | 940.3 | 941.1 | 938.6 | 935.3 | 931.2 |
| 15° | 918.8 | 923.8 | 932.0 | 937.0 | 946.1 | 953.5 | 958.4 | 957.6 | 954.3 | 945.2 | 932.8 |
| 17.5° | 953.5 | 952.7 | 956.0 | 959.3 | 961.7 | 965.9 | 964.2 | 956.8 | 941.1 | 924.6 | 907.3 |
| 20° | 1005.5 | 1004.7 | 999.7 | 992.3 | 983.2 | 971.6 | 953.5 | 931.2 | 904.8 | 875.1 | 848.6 |
| 22.5° | 1079.0 | 1071.5 | 1064.9 | 1045.1 | 1013.7 | 974.9 | 927.9 | 884.1 | 852.8 | 823.9 | 795.0 |
| 25° | 1176.4 | 1158.2 | 1126.0 | 1079.8 | 1030.3 | 972.5 | 903.9 | 845.3 | 805.7 | 771.9 | 743.0 |
| 27.5° | 1237.5 | 1195.4 | 1141.7 | 1078.1 | 1012.1 | 937.8 | 861.8 | 804.1 | 759.5 | 722.3 | 689.3 |
| 30° | 1289.5 | 1213.5 | 1138.4 | 1057.5 | 974.1 | 897.3 | 817.3 | 755.4 | 703.3 | 662.1 | 622.4 |
| 32.5° | 1318.4 | 1216.8 | 1122.7 | 1026.1 | 935.3 | 847.8 | 761.1 | 694.3 | 644.7 | 593.6 | 539.1 |
| 35° | 1336.5 | 1206.9 | 1093.0 | 984.0 | 884.1 | 793.3 | 702.5 | 629.0 | 563.8 | 501.1 | 446.6 |
| 37.5° | 1341.5 | 1190.4 | 1054.2 | 937.0 | 823.0 | 724.0 | 638.1 | 552.3 | 487.1 | 419.4 | 356.6 |
| 40° | 1339.0 | 1159.0 | 1005.5 | 863.5 | 743.8 | 648.0 | 564.7 | 486.2 | 414.4 | 354.2 | 293.9 |
| 42.5° | 1329.1 | 1123.5 | 947.7 | 803.2 | 682.7 | 591.1 | 514.3 | 435.1 | 370.7 | 306.3 | 255.1 |
| 45° | 1325.8 | 1088.9 | 903.9 | 757.0 | 641.4 | 551.5 | 476.3 | 399.6 | 331.9 | 270.8 | 219.6 |
| 47.5° | 1318.4 | 1057.5 | 863.5 | 721.5 | 607.6 | 520.9 | 443.3 | 368.2 | 298.0 | 242.7 | 193.2 |
| 50° | 1301.9 | 1023.7 | 833.8 | 694.3 | 579.5 | 490.4 | 411.1 | 330.2 | 261.7 | 207.2 | 169.2 |
| 52.5° | 1284.5 | 1002.2 | 814.8 | 667.0 | 549.8 | 454.0 | 375.6 | 293.9 | 229.5 | 178.3 | 149.4 |
| 55° | 1267.2 | 985.7 | 789.2 | 634.8 | 511.0 | 416.9 | 337.6 | 262.5 | 202.3 | 158.5 | 137.9 |
| 57.5° | 1248.2 | 963.4 | 757.8 | 593.6 | 467.2 | 375.6 | 296.4 | 225.4 | 175.8 | 142.8 | 128.8 |
| 60° | 1232.5 | 932.0 | 703.3 | 535.8 | 408.6 | 317.8 | 246.0 | 188.2 | 149.4 | 128.8 | 123.0 |
| 62.5° | 1191.2 | 871.8 | 624.9 | 450.7 | 331.9 | 248.5 | 187.4 | 146.9 | 125.5 | 115.6 | 116.4 |
| 65° | 1091.3 | 737.2 | 496.1 | 351.7 | 232.8 | 166.8 | 133.7 | 112.3 | 102.4 | 102.4 | 104.8 |
| 67.5° | 919.6 | 561.4 | 351.7 | 223.7 | 152.7 | 120.5 | 102.4 | 93.3 | 91.6 | 93.3 | 97.4 |
| 70° | 651.3 | 364.1 | 220.4 | 146.1 | 114.7 | 97.4 | 88.3 | 85.0 | 83.4 | 85.0 | 86.7 |
| 72.5° | 401.2 | 214.6 | 140.3 | 113.9 | 98.2 | 87.5 | 81.7 | 79.3 | 78.4 | 78.4 | 77.6 |
| 75° | 218.8 | 143.6 | 112.3 | 99.1 | 89.2 | 80.9 | 75.1 | 71.0 | 70.2 | 71.0 | 69.3 |
| 77.5° | 139.5 | 112.3 | 99.9 | 91.6 | 82.6 | 71.8 | 66.9 | 63.6 | 63.6 | 62.7 | 61.1 |
| 80° | 109.0 | 99.9 | 91.6 | 83.4 | 69.3 | 61.1 | 56.1 | 55.3 | 54.5 | 53.7 | 53.7 |
| 82.5° | 81.7 | 79.3 | 75.1 | 67.7 | 55.3 | 48.7 | 46.2 | 46.2 | 45.4 | 42.9 | 42.9 |
| 85° | 47.1 | 46.2 | 49.5 | 43.8 | 37.1 | 32.2 | 32.2 | 33.0 | 33.8 | 33.0 | 30.5 |
| 87.5° | 15.7 | 13.2 | 14.0 | 14.0 | 11.6 | 9.1 | 12.4 | 14.9 | 14.0 | 12.4 | 14.9 |
| 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: P141445

CATALOG NUMBER: EMM-F03-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 |
| 2.5° | 847.8 | 849.5 | 852.8 | 849.5 | 847.8 | 847.8 | 846.2 | 847.0 | 844.5 | 842.0 | 842.9 |
| 5° | 868.5 | 866.8 | 868.5 | 866.0 | 861.0 | 860.2 | 856.9 | 856.9 | 853.6 | 850.3 | 848.6 |
| 7.5° | 891.6 | 889.1 | 889.9 | 885.0 | 879.2 | 875.1 | 870.9 | 869.3 | 865.2 | 860.2 | 856.9 |
| 10° | 909.7 | 907.3 | 905.6 | 899.8 | 892.4 | 888.3 | 882.5 | 879.2 | 875.1 | 868.5 | 865.2 |
| 12.5° | 921.3 | 915.5 | 912.2 | 902.3 | 895.7 | 891.6 | 885.0 | 883.3 | 878.4 | 872.6 | 870.1 |
| 15° | 918.8 | 905.6 | 895.7 | 884.1 | 875.1 | 869.3 | 863.5 | 861.8 | 859.4 | 856.9 | 851.9 |
| 17.5° | 878.4 | 861.8 | 851.1 | 827.2 | 814.0 | 808.2 | 807.4 | 806.5 | 804.9 | 804.9 | 799.1 |
| 20° | 822.2 | 803.2 | 786.7 | 763.6 | 746.3 | 740.5 | 724.8 | 720.7 | 715.7 | 720.7 | 715.7 |
| 22.5° | 771.9 | 747.9 | 728.9 | 710.0 | 689.3 | 672.8 | 652.2 | 642.3 | 628.2 | 624.9 | 626.6 |
| 25° | 718.2 | 688.5 | 664.5 | 642.3 | 620.0 | 596.9 | 577.9 | 563.8 | 554.8 | 542.4 | 530.8 |
| 27.5° | 653.0 | 628.2 | 596.0 | 577.9 | 551.5 | 525.9 | 506.0 | 491.2 | 474.7 | 464.8 | 448.3 |
| 30° | 586.9 | 549.0 | 516.8 | 491.2 | 462.3 | 449.9 | 430.9 | 415.2 | 400.4 | 389.6 | 375.6 |
| 32.5° | 501.1 | 461.5 | 427.6 | 397.9 | 378.1 | 360.8 | 349.2 | 336.0 | 328.6 | 319.5 | 310.4 |
| 35° | 410.3 | 360.8 | 320.3 | 307.1 | 284.8 | 285.6 | 279.9 | 273.2 | 267.5 | 259.2 | 258.4 |
| 37.5° | 309.6 | 270.8 | 244.4 | 227.8 | 224.5 | 219.6 | 220.4 | 219.6 | 217.9 | 215.5 | 215.5 |
| 40° | 245.2 | 210.5 | 193.2 | 189.9 | 189.9 | 189.0 | 188.2 | 188.2 | 188.2 | 186.6 | 185.7 |
| 42.5° | 209.7 | 184.9 | 179.1 | 177.5 | 175.8 | 175.0 | 173.4 | 170.9 | 170.9 | 169.2 | 166.8 |
| 45° | 184.9 | 170.9 | 169.2 | 167.6 | 167.6 | 165.1 | 162.6 | 161.0 | 160.2 | 159.3 | 157.7 |
| 47.5° | 169.2 | 161.8 | 160.2 | 158.5 | 157.7 | 156.0 | 153.5 | 151.1 | 150.2 | 149.4 | 149.4 |
| 50° | 151.9 | 146.9 | 146.9 | 146.9 | 144.5 | 142.8 | 140.3 | 138.7 | 138.7 | 137.9 | 137.0 |
| 52.5° | 139.5 | 137.0 | 136.2 | 135.4 | 133.7 | 131.3 | 129.6 | 128.8 | 128.0 | 128.8 | 128.0 |
| 55° | 133.7 | 132.1 | 131.3 | 129.6 | 128.0 | 125.5 | 123.8 | 121.4 | 120.5 | 122.2 | 122.2 |
| 57.5° | 127.1 | 126.3 | 125.5 | 123.8 | 122.2 | 118.9 | 116.4 | 114.7 | 114.7 | 117.2 | 116.4 |
| 60° | 124.7 | 123.8 | 123.0 | 122.2 | 119.7 | 115.6 | 111.4 | 109.8 | 109.8 | 112.3 | 112.3 |
| 62.5° | 118.9 | 118.1 | 117.2 | 116.4 | 113.1 | 109.8 | 105.7 | 104.0 | 104.8 | 106.5 | 109.0 |
| 65° | 108.1 | 109.0 | 108.1 | 108.1 | 105.7 | 103.2 | 100.7 | 99.1 | 98.2 | 99.1 | 101.5 |
| 67.5° | 98.2 | 99.1 | 99.1 | 99.1 | 98.2 | 95.8 | 94.1 | 91.6 | 90.0 | 90.8 | 91.6 |
| 70° | 89.2 | 90.0 | 90.8 | 90.8 | 89.2 | 86.7 | 84.2 | 81.7 | 80.9 | 81.7 | 81.7 |
| 72.5° | 79.3 | 79.3 | 79.3 | 80.1 | 79.3 | 78.4 | 75.1 | 71.8 | 71.8 | 71.0 | 71.8 |
| 75° | 69.3 | 69.3 | 69.3 | 69.3 | 67.7 | 67.7 | 66.0 | 62.7 | 61.9 | 62.7 | 63.6 |
| 77.5° | 61.1 | 59.4 | 58.6 | 58.6 | 58.6 | 57.0 | 56.1 | 56.1 | 55.3 | 55.3 | 55.3 |
| 80° | 50.4 | 48.7 | 47.1 | 46.2 | 47.1 | 47.1 | 48.7 | 48.7 | 47.9 | 47.9 | 47.9 |
| 82.5° | 39.6 | 36.3 | 35.5 | 35.5 | 33.8 | 35.5 | 38.8 | 42.9 | 41.3 | 42.1 | 42.1 |
| 85° | 28.9 | 25.6 | 23.9 | 23.9 | 22.3 | 25.6 | 29.7 | 33.0 | 31.4 | 33.0 | 32.2 |
| 87.5° | 13.2 | 12.4 | 9.9 | 8.3 | 9.9 | 14.9 | 17.3 | 18.2 | 15.7 | 19.0 | 19.0 |
| 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: P141445

CATALOG NUMBER: EMM-F03-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 |
| 2.5° | 846.2 | 842.9 | 842.0 | 842.9 | 841.2 | 843.7 | 843.7 | 842.9 | 842.9 | 842.0 | 843.7 |
| 5° | 851.1 | 847.0 | 844.5 | 844.5 | 842.9 | 845.3 | 843.7 | 842.9 | 842.0 | 842.0 | 842.0 |
| 7.5° | 858.5 | 852.8 | 848.6 | 846.2 | 842.9 | 842.9 | 840.4 | 837.9 | 836.3 | 835.4 | 835.4 |
| 10° | 865.2 | 856.9 | 850.3 | 844.5 | 839.6 | 835.4 | 831.3 | 825.5 | 823.9 | 822.2 | 823.0 |
| 12.5° | 864.3 | 855.2 | 845.3 | 836.3 | 824.7 | 819.7 | 809.0 | 802.4 | 802.4 | 798.3 | 800.8 |
| 15° | 846.2 | 830.5 | 816.4 | 801.6 | 787.6 | 777.6 | 764.4 | 757.0 | 752.9 | 752.1 | 757.8 |
| 17.5° | 791.7 | 776.8 | 763.6 | 747.1 | 728.9 | 722.3 | 713.3 | 710.0 | 707.5 | 711.6 | 715.7 |
| 20° | 718.2 | 699.2 | 686.8 | 676.9 | 676.9 | 675.3 | 671.2 | 665.4 | 660.4 | 659.6 | 664.5 |
| 22.5° | 614.2 | 606.8 | 609.2 | 602.6 | 602.6 | 599.3 | 605.9 | 595.2 | 601.0 | 596.0 | 598.5 |
| 25° | 527.5 | 524.2 | 522.6 | 521.7 | 521.7 | 527.5 | 526.7 | 528.3 | 522.6 | 525.9 | 525.0 |
| 27.5° | 449.1 | 445.0 | 439.2 | 442.5 | 445.8 | 449.9 | 451.6 | 452.4 | 457.3 | 448.3 | 451.6 |
| 30° | 374.0 | 367.4 | 371.5 | 368.2 | 369.8 | 369.0 | 369.0 | 369.0 | 372.3 | 378.9 | 374.0 |
| 32.5° | 306.3 | 303.0 | 307.1 | 301.3 | 302.1 | 302.1 | 300.5 | 298.0 | 299.7 | 292.2 | 298.0 |
| 35° | 253.4 | 249.3 | 252.6 | 250.1 | 247.7 | 241.1 | 238.6 | 234.4 | 235.3 | 233.6 | 232.8 |
| 37.5° | 212.2 | 211.3 | 208.9 | 208.9 | 207.2 | 206.4 | 202.3 | 203.1 | 203.9 | 205.6 | 205.6 |
| 40° | 183.3 | 182.4 | 181.6 | 183.3 | 184.1 | 184.9 | 186.6 | 188.2 | 190.7 | 193.2 | 195.6 |
| 42.5° | 166.8 | 166.8 | 166.8 | 170.1 | 172.5 | 176.7 | 179.1 | 182.4 | 185.7 | 189.9 | 193.2 |
| 45° | 156.8 | 156.0 | 157.7 | 160.2 | 164.3 | 168.4 | 172.5 | 177.5 | 182.4 | 186.6 | 189.0 |
| 47.5° | 148.6 | 147.8 | 149.4 | 151.9 | 156.0 | 162.6 | 168.4 | 174.2 | 180.0 | 184.1 | 185.7 |
| 50° | 137.9 | 137.9 | 138.7 | 141.2 | 145.3 | 151.1 | 156.8 | 163.5 | 169.2 | 172.5 | 174.2 |
| 52.5° | 129.6 | 130.4 | 130.4 | 132.9 | 137.0 | 142.0 | 147.8 | 153.5 | 157.7 | 160.2 | 163.5 |
| 55° | 121.4 | 123.0 | 123.0 | 125.5 | 129.6 | 135.4 | 142.8 | 147.8 | 152.7 | 156.0 | 158.5 |
| 57.5° | 115.6 | 116.4 | 116.4 | 119.7 | 124.7 | 129.6 | 137.0 | 143.6 | 149.4 | 153.5 | 156.8 |
| 60° | 110.6 | 111.4 | 110.6 | 114.7 | 118.9 | 124.7 | 131.3 | 138.7 | 146.9 | 152.7 | 155.2 |
| 62.5° | 106.5 | 106.5 | 105.7 | 109.0 | 111.4 | 114.7 | 120.5 | 128.8 | 136.2 | 141.2 | 143.6 |
| 65° | 101.5 | 101.5 | 99.9 | 103.2 | 103.2 | 108.1 | 112.3 | 119.7 | 125.5 | 131.3 | 132.9 |
| 67.5° | 91.6 | 93.3 | 92.5 | 94.9 | 98.2 | 101.5 | 106.5 | 112.3 | 118.1 | 122.2 | 124.7 |
| 70° | 81.7 | 82.6 | 85.0 | 86.7 | 90.0 | 91.6 | 95.8 | 99.9 | 105.7 | 108.1 | 110.6 |
| 72.5° | 72.6 | 73.5 | 75.1 | 76.8 | 80.1 | 81.7 | 85.0 | 88.3 | 93.3 | 95.8 | 98.2 |
| 75° | 63.6 | 64.4 | 65.2 | 66.9 | 68.5 | 70.2 | 71.8 | 75.1 | 78.4 | 81.7 | 84.2 |
| 77.5° | 54.5 | 55.3 | 57.8 | 57.0 | 58.6 | 59.4 | 61.9 | 63.6 | 65.2 | 68.5 | 71.8 |
| 80° | 47.9 | 47.1 | 48.7 | 49.5 | 51.2 | 51.2 | 52.8 | 52.8 | 55.3 | 55.3 | 56.1 |
| 82.5° | 40.5 | 39.6 | 41.3 | 43.8 | 44.6 | 44.6 | 46.2 | 42.9 | 42.1 | 42.9 | 45.4 |
| 85° | 30.5 | 31.4 | 32.2 | 35.5 | 36.3 | 36.3 | 38.0 | 35.5 | 32.2 | 32.2 | 33.8 |
| 87.5° | 17.3 | 13.2 | 19.0 | 22.3 | 22.3 | 23.1 | 24.8 | 23.9 | 23.1 | 18.2 | 19.0 |
| 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: P141445
 CATALOG NUMBER: EMM-F03-LED-E1-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 0° |
| 2.5° | 842.9 | 843.7 | 844.5 | 845.3 | 846.2 | 845.3 | 847.0 | 845.3 | 846.2 | 844.5 | 843.7 | 2.5° |
| 5° | 842.0 | 842.9 | 842.9 | 844.5 | 845.3 | 842.9 | 844.5 | 842.0 | 842.0 | 840.4 | 837.9 | 5° |
| 7.5° | 836.3 | 837.9 | 837.9 | 839.6 | 839.6 | 837.1 | 837.1 | 832.1 | 830.5 | 824.7 | 820.6 | 7.5° |
| 10° | 824.7 | 827.2 | 828.8 | 832.1 | 833.8 | 829.7 | 827.2 | 821.4 | 814.8 | 808.2 | 801.6 | 10° |
| 12.5° | 804.9 | 805.7 | 811.5 | 816.4 | 818.9 | 821.4 | 819.7 | 818.9 | 812.3 | 808.2 | 805.7 | 12.5° |
| 15° | 759.5 | 766.1 | 771.9 | 783.4 | 791.7 | 800.8 | 807.4 | 814.8 | 818.1 | 822.2 | 823.9 | 15° |
| 17.5° | 719.9 | 727.3 | 731.4 | 741.3 | 749.6 | 763.6 | 780.9 | 799.9 | 813.1 | 829.7 | 845.3 | 17.5° |
| 20° | 664.5 | 676.9 | 680.2 | 695.9 | 706.6 | 724.8 | 743.8 | 767.7 | 794.2 | 819.7 | 847.8 | 20° |
| 22.5° | 602.6 | 608.4 | 615.0 | 631.5 | 644.7 | 667.8 | 696.7 | 729.8 | 760.3 | 795.8 | 836.3 | 22.5° |
| 25° | 527.5 | 534.9 | 541.5 | 559.7 | 578.7 | 600.2 | 634.8 | 675.3 | 714.1 | 761.1 | 814.0 | 25° |
| 27.5° | 453.2 | 459.0 | 470.5 | 483.8 | 505.2 | 528.3 | 571.3 | 615.8 | 660.4 | 717.4 | 780.1 | 27.5° |
| 30° | 375.6 | 381.4 | 387.2 | 402.9 | 425.1 | 452.4 | 491.2 | 544.0 | 596.9 | 657.9 | 732.2 | 30° |
| 32.5° | 301.3 | 303.0 | 314.5 | 326.1 | 345.1 | 368.2 | 410.3 | 461.5 | 518.4 | 592.7 | 666.2 | 32.5° |
| 35° | 235.3 | 245.2 | 250.1 | 265.8 | 277.4 | 301.3 | 336.8 | 383.9 | 443.3 | 518.4 | 597.7 | 35° |
| 37.5° | 208.9 | 212.2 | 218.8 | 230.3 | 246.0 | 267.5 | 292.2 | 328.6 | 379.7 | 443.3 | 517.6 | 37.5° |
| 40° | 199.0 | 202.3 | 207.2 | 216.3 | 231.1 | 251.0 | 271.6 | 300.5 | 340.1 | 390.5 | 457.3 | 40° |
| 42.5° | 195.6 | 196.5 | 198.1 | 206.4 | 221.2 | 243.5 | 268.3 | 295.5 | 326.1 | 366.5 | 419.4 | 42.5° |
| 45° | 191.5 | 191.5 | 192.3 | 198.1 | 211.3 | 234.4 | 265.8 | 300.5 | 335.2 | 371.5 | 416.1 | 45° |
| 47.5° | 188.2 | 189.0 | 188.2 | 190.7 | 200.6 | 222.9 | 257.6 | 299.7 | 345.9 | 392.9 | 441.7 | 47.5° |
| 50° | 175.0 | 175.0 | 175.8 | 176.7 | 184.1 | 205.6 | 239.4 | 285.6 | 342.6 | 406.2 | 473.0 | 50° |
| 52.5° | 164.3 | 165.9 | 165.9 | 167.6 | 172.5 | 189.9 | 223.7 | 272.4 | 334.3 | 408.6 | 498.6 | 52.5° |
| 55° | 161.0 | 162.6 | 163.5 | 163.5 | 166.8 | 181.6 | 213.8 | 260.0 | 325.3 | 406.2 | 508.5 | 55° |
| 57.5° | 158.5 | 160.2 | 161.0 | 160.2 | 162.6 | 175.0 | 204.7 | 250.1 | 315.4 | 400.4 | 512.7 | 57.5° |
| 60° | 156.0 | 156.8 | 155.2 | 153.5 | 154.4 | 165.1 | 191.5 | 236.1 | 303.8 | 392.1 | 511.0 | 60° |
| 62.5° | 144.5 | 145.3 | 143.6 | 142.0 | 140.3 | 148.6 | 172.5 | 216.3 | 279.9 | 373.1 | 497.8 | 62.5° |
| 65° | 134.6 | 134.6 | 134.6 | 132.9 | 131.3 | 136.2 | 153.5 | 190.7 | 246.0 | 339.3 | 467.2 | 65° |
| 67.5° | 126.3 | 125.5 | 125.5 | 124.7 | 123.0 | 124.7 | 135.4 | 161.0 | 203.9 | 285.6 | 411.9 | 67.5° |
| 70° | 113.1 | 112.3 | 113.1 | 112.3 | 110.6 | 110.6 | 115.6 | 129.6 | 158.5 | 209.7 | 320.3 | 70° |
| 72.5° | 99.9 | 100.7 | 102.4 | 102.4 | 102.4 | 103.2 | 103.2 | 107.3 | 123.0 | 150.2 | 217.9 | 72.5° |
| 75° | 85.9 | 86.7 | 89.2 | 92.5 | 90.8 | 91.6 | 91.6 | 94.1 | 102.4 | 118.9 | 152.7 | 75° |
| 77.5° | 72.6 | 75.1 | 78.4 | 79.3 | 76.8 | 76.8 | 78.4 | 82.6 | 90.0 | 99.9 | 116.4 | 77.5° |
| 80° | 59.4 | 62.7 | 63.6 | 65.2 | 66.0 | 66.0 | 67.7 | 71.0 | 78.4 | 90.8 | 104.0 | 80° |
| 82.5° | 47.1 | 49.5 | 52.0 | 54.5 | 56.1 | 58.6 | 59.4 | 61.1 | 68.5 | 80.9 | 95.8 | 82.5° |
| 85° | 35.5 | 38.0 | 41.3 | 43.8 | 45.4 | 47.9 | 47.1 | 47.9 | 52.0 | 61.9 | 72.6 | 85° |
| 87.5° | 21.5 | 21.5 | 23.9 | 24.8 | 25.6 | 25.6 | 27.2 | 23.9 | 25.6 | 33.0 | 39.6 | 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: P141445

NUMBER: EMM-F03-LED-E1-SLL

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|-------|--------|--------|--------|--------|--------|
| 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 | 842.0 |
| 844.5 | 843.7 | 842.9 | 843.7 | 845.3 | 845.3 | 842.9 |
| 838.7 | 836.3 | 834.6 | 834.6 | 834.6 | 833.8 | 832.1 |
| 818.9 | 814.8 | 812.3 | 810.7 | 809.8 | 809.8 | 806.5 |
| 797.5 | 795.0 | 790.0 | 788.4 | 789.2 | 791.7 | 790.9 |
| 802.4 | 795.0 | 792.5 | 792.5 | 791.7 | 795.8 | 795.0 |
| 829.7 | 829.7 | 826.4 | 825.5 | 823.9 | 828.8 | 828.8 |
| 858.5 | 866.0 | 869.3 | 866.0 | 866.8 | 867.6 | 874.2 |
| 874.2 | 895.7 | 907.3 | 916.3 | 917.2 | 922.1 | 921.3 |
| 876.7 | 915.5 | 946.1 | 965.9 | 984.0 | 993.1 | 991.5 |
| 864.3 | 918.0 | 971.6 | 1022.0 | 1060.0 | 1080.6 | 1097.9 |
| 847.8 | 911.4 | 980.7 | 1051.7 | 1113.6 | 1168.9 | 1203.6 |
| 809.0 | 889.9 | 979.1 | 1069.9 | 1158.2 | 1237.5 | 1301.9 |
| 754.5 | 847.8 | 954.3 | 1074.0 | 1197.8 | 1307.6 | 1401.7 |
| 681.9 | 781.8 | 911.4 | 1058.3 | 1221.8 | 1385.2 | 1527.2 |
| 603.5 | 713.3 | 855.2 | 1031.9 | 1234.2 | 1447.1 | 1642.0 |
| 534.9 | 643.1 | 798.3 | 998.1 | 1232.5 | 1487.6 | 1726.2 |
| 490.4 | 591.9 | 748.8 | 965.9 | 1224.3 | 1510.7 | 1792.2 |
| 475.5 | 567.1 | 715.7 | 940.3 | 1219.3 | 1527.2 | 1837.6 |
| 495.3 | 574.6 | 708.3 | 928.7 | 1217.6 | 1546.2 | 1877.2 |
| 541.5 | 615.8 | 736.4 | 947.7 | 1232.5 | 1565.2 | 1916.9 |
| 585.3 | 673.6 | 797.5 | 1002.2 | 1287.8 | 1620.5 | 1971.4 |
| 620.8 | 736.4 | 863.5 | 1074.0 | 1367.1 | 1706.4 | 2053.1 |
| 640.6 | 785.1 | 949.4 | 1173.9 | 1475.2 | 1832.7 | 2186.8 |
| 648.9 | 818.9 | 1022.8 | 1278.7 | 1611.4 | 1977.1 | 2356.0 |
| 645.6 | 834.6 | 1075.7 | 1374.5 | 1734.4 | 2135.6 | 2548.4 |
| 624.9 | 834.6 | 1108.7 | 1451.3 | 1837.6 | 2261.9 | 2717.6 |
| 575.4 | 805.7 | 1112.0 | 1495.9 | 1916.9 | 2368.4 | 2856.3 |
| 484.6 | 722.3 | 1056.7 | 1490.9 | 1941.6 | 2402.3 | 2929.0 |
| 339.3 | 539.1 | 881.7 | 1347.3 | 1836.0 | 2322.2 | 2848.9 |
| 210.5 | 336.0 | 631.5 | 1041.8 | 1528.0 | 1970.5 | 2535.2 |
| 147.8 | 203.9 | 361.6 | 659.6 | 1051.7 | 1468.6 | 1892.9 |
| 123.0 | 150.2 | 206.4 | 363.2 | 632.4 | 904.8 | 1190.4 |
| 106.5 | 121.4 | 143.6 | 207.2 | 322.0 | 482.1 | 662.9 |
| 79.3 | 88.3 | 99.1 | 136.2 | 203.1 | 298.0 | 453.2 |
| 32.2 | 36.3 | 40.5 | 54.5 | 124.7 | 171.7 | 184.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)