

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: P142074

Luminaire Tested: **EMM-F02-LED-E1-T4-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P142074  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: EMM-F02-LED-E1-T4-7030  
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4  
Light Source: (14) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4336.6 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

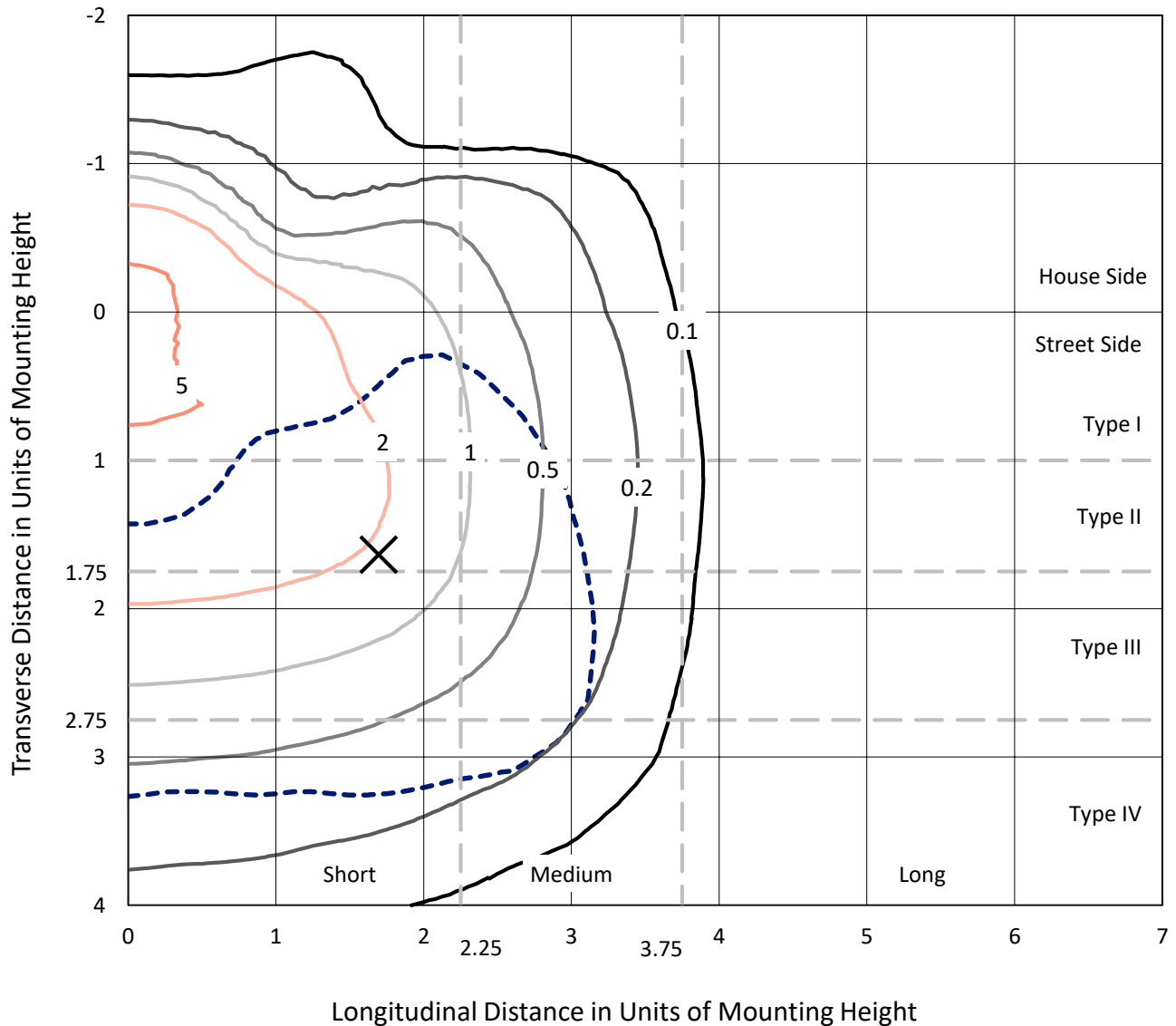


REPORT NUMBER: P142074

CATALOG NUMBER: EMM-F02-LED-E1-T4-7030

### Iso-Footcandle Lines of Horizontal Illumination

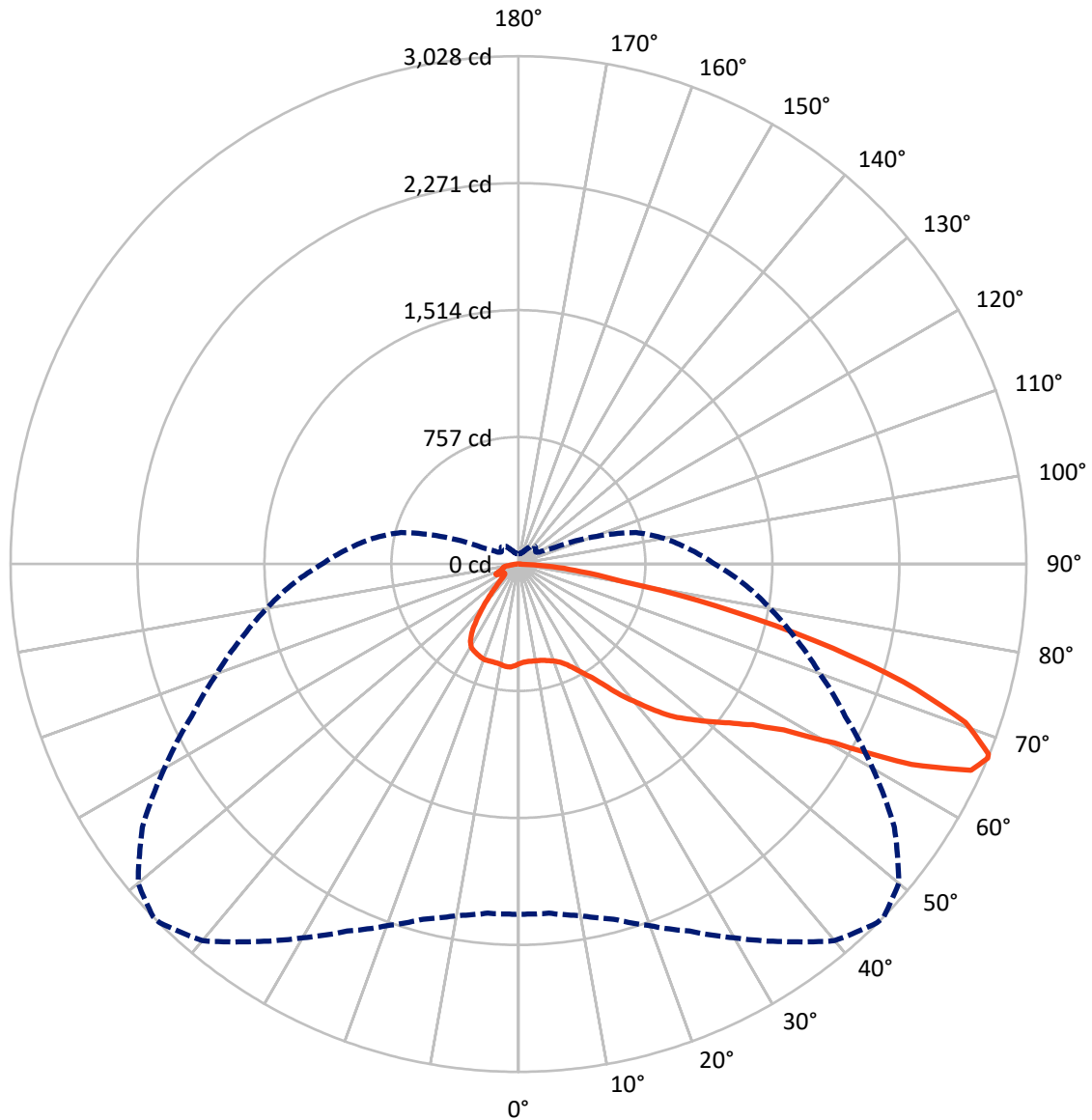
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P142074

CATALOG NUMBER: EMM-F02-LED-E1-T4-7030

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 861.8    | 0.0    | 861.8  |
|                    | % Fixture | 19.9     | 0.0    | 19.9   |
| <b>Street Side</b> | Lumens    | 3474.8   | 0.0    | 3474.8 |
|                    | % Fixture | 80.1     | 0.0    | 80.1   |
| <b>Total</b>       | Lumens    | 4336.6   | 0.0    | 4336.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.2   | 1.3       |
| 10°-20°   | 170.7  | 3.9       |
| 20°-30°   | 287.0  | 6.6       |
| 30°-40°   | 429.2  | 9.9       |
| 40°-50°   | 559.0  | 12.9      |
| 50°-60°   | 765.6  | 17.7      |
| 60°-70°   | 1210.3 | 27.9      |
| 70°-80°   | 750.8  | 17.3      |
| 80°-90°   | 107.0  | 2.5       |
| 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°    | 4336.6 | 100.0     |
| 0°-180°   | 4336.6 | 100.0     |



REPORT NUMBER: P142074

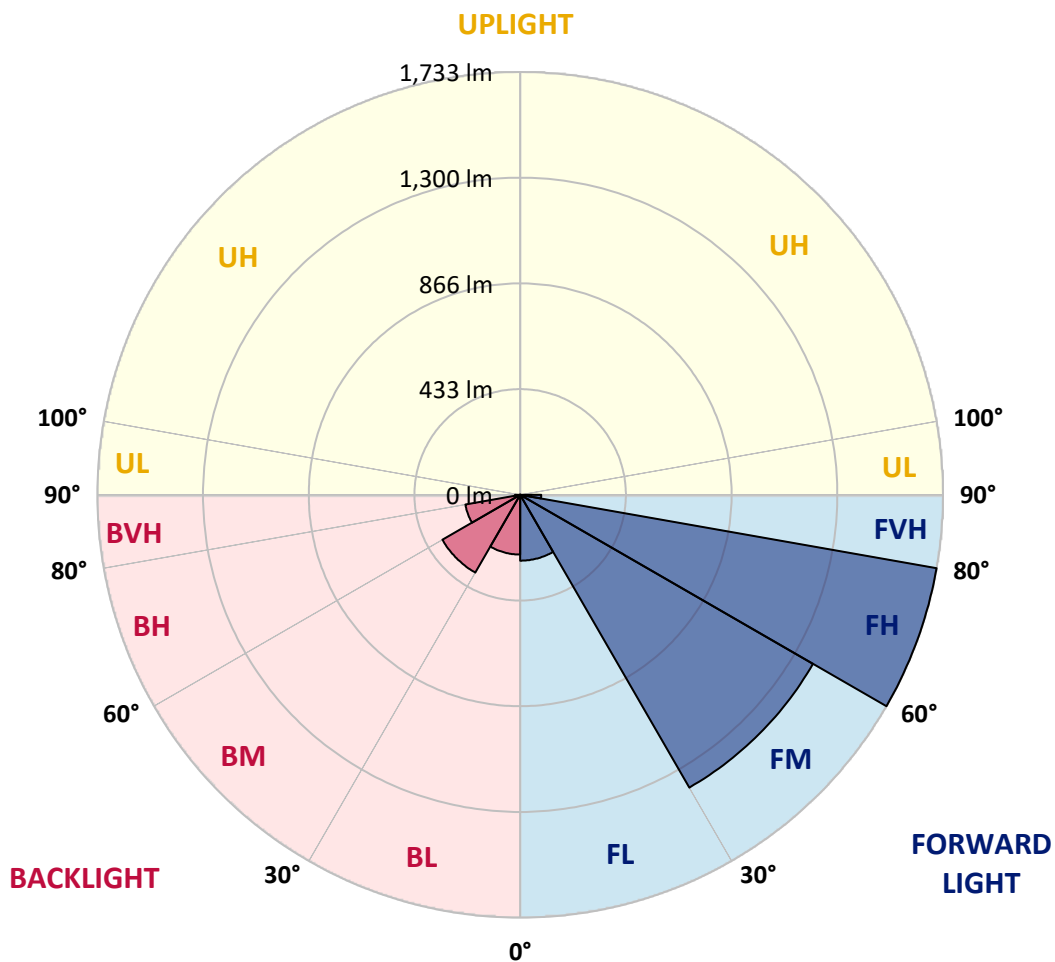
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 270.0  | 6.2       |                         |      |         |
| FM   | (30°-60°)   | 1385.7 | 32.0      |                         |      |         |
| FH   | (60°-80°)   | 1732.9 | 40.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 86.2   | 2.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 244.8  | 5.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 368.0  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 228.1  | 5.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 20.8   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type IV Short





REPORT NUMBER: P142074

CATALOG NUMBER: EMM-F02-LED-E1-T4-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 46°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  |
| 2.5°  | 581.1  | 582.6  | 582.1  | 581.6  | 582.1  | 582.6  | 583.1  | 584.6  | 585.1  | 585.6  | 586.1  |
| 5°    | 570.5  | 572.0  | 571.5  | 572.5  | 573.0  | 575.0  | 576.6  | 579.1  | 580.6  | 582.6  | 583.6  |
| 7.5°  | 567.5  | 568.5  | 568.5  | 569.5  | 570.0  | 572.0  | 574.5  | 577.6  | 580.6  | 583.6  | 584.6  |
| 10°   | 575.5  | 576.1  | 576.1  | 575.5  | 576.1  | 577.1  | 578.1  | 580.6  | 583.1  | 585.6  | 586.6  |
| 12.5° | 594.6  | 593.1  | 592.6  | 591.1  | 591.6  | 589.6  | 589.6  | 589.1  | 589.1  | 589.6  | 589.6  |
| 15°   | 614.8  | 613.8  | 612.7  | 610.2  | 610.2  | 607.2  | 606.2  | 604.2  | 599.2  | 597.2  | 596.7  |
| 17.5° | 632.9  | 631.8  | 629.8  | 627.8  | 626.8  | 622.8  | 621.8  | 618.3  | 612.2  | 607.7  | 606.2  |
| 20°   | 654.5  | 652.0  | 647.4  | 646.4  | 643.9  | 639.4  | 637.9  | 633.4  | 625.3  | 618.8  | 618.3  |
| 22.5° | 687.6  | 683.6  | 679.1  | 675.6  | 669.0  | 664.5  | 660.5  | 654.5  | 644.9  | 637.4  | 635.4  |
| 25°   | 720.8  | 719.3  | 715.3  | 710.3  | 705.7  | 700.7  | 695.7  | 686.6  | 674.1  | 664.5  | 662.5  |
| 27.5° | 767.6  | 764.0  | 759.0  | 751.0  | 748.5  | 739.9  | 735.9  | 728.4  | 715.8  | 703.7  | 701.7  |
| 30°   | 816.3  | 812.8  | 804.8  | 797.7  | 796.2  | 787.2  | 784.7  | 776.6  | 765.6  | 753.5  | 752.0  |
| 32.5° | 872.1  | 868.6  | 862.6  | 858.5  | 853.0  | 848.0  | 842.0  | 834.4  | 820.3  | 810.3  | 808.3  |
| 35°   | 943.5  | 940.5  | 933.4  | 936.5  | 931.4  | 929.9  | 926.4  | 913.8  | 898.3  | 886.2  | 888.2  |
| 37.5° | 999.8  | 999.3  | 1000.8 | 999.3  | 1005.8 | 1012.4 | 1012.4 | 1013.4 | 1005.8 | 992.8  | 990.2  |
| 40°   | 1052.6 | 1052.1 | 1056.1 | 1060.6 | 1078.2 | 1088.8 | 1100.8 | 1105.4 | 1097.3 | 1087.3 | 1083.7 |
| 42.5° | 1101.8 | 1100.8 | 1106.4 | 1122.9 | 1144.6 | 1164.2 | 1184.8 | 1202.4 | 1206.4 | 1195.3 | 1192.8 |
| 45°   | 1150.6 | 1152.1 | 1159.1 | 1177.7 | 1206.4 | 1232.0 | 1267.2 | 1287.8 | 1300.9 | 1294.9 | 1298.9 |
| 47.5° | 1209.4 | 1210.9 | 1218.5 | 1240.6 | 1265.7 | 1297.9 | 1339.1 | 1374.3 | 1389.9 | 1389.9 | 1384.8 |
| 50°   | 1279.3 | 1286.3 | 1294.4 | 1309.4 | 1338.6 | 1370.3 | 1420.5 | 1455.7 | 1480.8 | 1479.8 | 1475.8 |
| 52.5° | 1372.3 | 1373.8 | 1386.8 | 1398.9 | 1424.0 | 1456.2 | 1501.5 | 1549.7 | 1581.4 | 1578.4 | 1573.8 |
| 55°   | 1497.4 | 1491.4 | 1499.9 | 1511.5 | 1538.6 | 1566.8 | 1616.1 | 1671.9 | 1704.0 | 1694.5 | 1691.5 |
| 57.5° | 1655.3 | 1650.2 | 1656.3 | 1670.3 | 1704.5 | 1727.7 | 1767.4 | 1818.6 | 1863.9 | 1871.9 | 1864.9 |
| 60°   | 1883.0 | 1883.0 | 1895.0 | 1925.2 | 1959.9 | 1994.6 | 2045.3 | 2107.2 | 2153.9 | 2165.5 | 2165.0 |
| 62.5° | 2152.9 | 2170.0 | 2172.5 | 2211.7 | 2278.1 | 2337.9 | 2416.8 | 2525.9 | 2595.7 | 2645.5 | 2632.4 |
| 65°   | 2196.1 | 2201.7 | 2223.8 | 2284.6 | 2374.6 | 2480.6 | 2603.3 | 2746.5 | 2891.8 | 2963.7 | 2965.7 |
| 67°   | 2087.6 | 2089.6 | 2128.3 | 2192.1 | 2295.2 | 2414.8 | 2573.6 | 2748.1 | 2932.0 | 3025.0 | 3028.0 |
| 67.5° | 2053.9 | 2049.9 | 2084.5 | 2151.4 | 2264.0 | 2398.7 | 2548.0 | 2731.5 | 2921.5 | 3021.0 | 3022.5 |
| 70°   | 1828.2 | 1830.2 | 1857.3 | 1931.7 | 2050.9 | 2177.0 | 2343.9 | 2532.4 | 2732.5 | 2823.5 | 2828.0 |
| 72.5° | 1576.3 | 1563.3 | 1587.9 | 1667.3 | 1724.1 | 1847.3 | 2000.6 | 2142.8 | 2318.8 | 2404.7 | 2402.7 |
| 75°   | 1202.4 | 1166.2 | 1209.4 | 1255.7 | 1287.3 | 1409.5 | 1505.0 | 1603.0 | 1765.4 | 1830.7 | 1827.2 |
| 77.5° | 647.9  | 646.4  | 693.7  | 729.9  | 777.1  | 887.2  | 971.1  | 1033.0 | 1169.7 | 1201.9 | 1205.9 |
| 80°   | 351.9  | 364.9  | 393.1  | 433.3  | 471.5  | 524.3  | 573.0  | 611.7  | 656.5  | 635.9  | 631.3  |
| 82.5° | 212.1  | 233.7  | 277.0  | 307.6  | 322.7  | 346.3  | 381.0  | 403.1  | 420.7  | 382.5  | 375.0  |
| 85°   | 33.7   | 60.8   | 156.3  | 187.0  | 203.1  | 214.1  | 221.7  | 236.3  | 215.6  | 202.1  | 205.6  |
| 87.5° | 11.1   | 12.6   | 24.1   | 53.3   | 46.7   | 32.2   | 42.2   | 61.3   | 29.2   | 15.6   | 15.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P142074

CATALOG NUMBER: EMM-F02-LED-E1-T4-7030

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1  | 594.1 |
| 2.5°  | 586.6  | 587.1  | 588.6  | 590.6  | 591.6  | 594.1  | 594.1  | 596.2  | 596.2  | 597.7  | 599.2 |
| 5°    | 585.1  | 587.6  | 589.6  | 592.6  | 594.1  | 597.7  | 599.2  | 602.2  | 603.7  | 605.7  | 607.7 |
| 7.5°  | 587.6  | 591.1  | 593.6  | 597.2  | 599.7  | 603.2  | 604.7  | 607.2  | 608.7  | 611.2  | 612.2 |
| 10°   | 589.6  | 593.1  | 596.2  | 600.2  | 602.2  | 604.7  | 606.2  | 608.2  | 608.7  | 610.2  | 611.2 |
| 12.5° | 592.1  | 593.6  | 596.2  | 599.7  | 601.7  | 603.2  | 604.7  | 606.2  | 607.7  | 607.7  | 607.7 |
| 15°   | 595.7  | 594.1  | 594.6  | 597.7  | 599.7  | 600.7  | 602.2  | 603.2  | 603.7  | 603.7  | 602.7 |
| 17.5° | 603.2  | 599.2  | 596.7  | 596.7  | 597.7  | 598.7  | 598.7  | 597.2  | 596.2  | 594.6  | 592.6 |
| 20°   | 614.3  | 607.7  | 602.7  | 600.2  | 598.2  | 595.7  | 591.6  | 586.6  | 582.1  | 578.1  | 575.5 |
| 22.5° | 629.8  | 623.3  | 617.3  | 611.7  | 605.2  | 596.7  | 588.1  | 577.6  | 569.0  | 562.5  | 560.0 |
| 25°   | 659.0  | 649.4  | 644.9  | 636.4  | 626.3  | 612.7  | 599.7  | 585.1  | 575.0  | 566.0  | 562.0 |
| 27.5° | 698.2  | 690.7  | 680.6  | 676.1  | 663.0  | 647.4  | 632.9  | 615.3  | 601.2  | 590.1  | 582.6 |
| 30°   | 748.0  | 742.9  | 734.4  | 726.8  | 714.3  | 700.2  | 678.6  | 659.0  | 634.4  | 614.8  | 603.7 |
| 32.5° | 805.3  | 797.7  | 790.2  | 780.6  | 771.6  | 753.0  | 732.9  | 703.2  | 669.0  | 635.4  | 614.8 |
| 35°   | 877.1  | 869.6  | 864.6  | 849.5  | 834.4  | 814.3  | 787.2  | 752.0  | 704.2  | 659.0  | 623.8 |
| 37.5° | 976.2  | 960.1  | 935.5  | 913.8  | 886.7  | 856.0  | 825.4  | 783.1  | 729.9  | 671.1  | 622.8 |
| 40°   | 1062.1 | 1038.5 | 1010.9 | 973.7  | 935.5  | 895.2  | 859.0  | 813.3  | 751.0  | 681.1  | 615.8 |
| 42.5° | 1173.7 | 1133.0 | 1086.3 | 1037.0 | 984.7  | 936.5  | 891.7  | 839.4  | 766.6  | 681.6  | 599.2 |
| 45°   | 1274.2 | 1224.0 | 1162.2 | 1095.3 | 1031.5 | 972.7  | 921.4  | 863.6  | 779.6  | 679.6  | 580.1 |
| 47.5° | 1363.7 | 1304.9 | 1229.5 | 1149.1 | 1073.7 | 1007.3 | 951.0  | 890.2  | 796.7  | 686.1  | 573.0 |
| 50°   | 1450.2 | 1382.8 | 1297.9 | 1200.4 | 1116.4 | 1044.0 | 985.2  | 919.9  | 825.4  | 708.3  | 584.1 |
| 52.5° | 1542.7 | 1460.7 | 1364.7 | 1254.6 | 1163.2 | 1088.3 | 1022.4 | 955.6  | 859.6  | 737.9  | 604.2 |
| 55°   | 1655.8 | 1562.8 | 1453.2 | 1331.6 | 1226.5 | 1143.1 | 1068.7 | 998.3  | 900.3  | 774.6  | 627.8 |
| 57.5° | 1806.6 | 1712.6 | 1586.4 | 1446.2 | 1336.1 | 1237.1 | 1147.6 | 1068.2 | 962.1  | 825.4  | 663.0 |
| 60°   | 2097.1 | 1981.0 | 1813.1 | 1660.8 | 1541.7 | 1425.0 | 1317.0 | 1208.4 | 1080.7 | 927.9  | 753.5 |
| 62.5° | 2563.6 | 2401.7 | 2193.6 | 1981.5 | 1820.6 | 1666.3 | 1523.6 | 1382.3 | 1223.0 | 1051.6 | 861.1 |
| 65°   | 2886.3 | 2686.2 | 2424.8 | 2158.9 | 1941.3 | 1752.8 | 1582.4 | 1414.5 | 1237.1 | 1073.7 | 907.8 |
| 67°   | 2960.2 | 2736.5 | 2438.9 | 2150.4 | 1913.6 | 1709.1 | 1523.6 | 1348.6 | 1170.2 | 1021.9 | 880.2 |
| 67.5° | 2957.2 | 2734.0 | 2427.9 | 2132.3 | 1895.0 | 1693.5 | 1506.5 | 1322.5 | 1147.1 | 1001.8 | 866.6 |
| 70°   | 2778.2 | 2554.0 | 2246.4 | 1952.3 | 1723.6 | 1523.1 | 1334.6 | 1174.2 | 995.3  | 877.6  | 776.1 |
| 72.5° | 2354.0 | 2158.9 | 1910.6 | 1646.2 | 1450.2 | 1270.7 | 1119.9 | 962.6  | 807.3  | 728.9  | 648.9 |
| 75°   | 1790.0 | 1617.1 | 1389.4 | 1195.8 | 1046.5 | 921.9  | 770.6  | 667.0  | 558.0  | 504.2  | 475.5 |
| 77.5° | 1182.8 | 984.2  | 826.9  | 642.4  | 532.8  | 434.8  | 342.8  | 271.9  | 227.2  | 238.8  | 260.9 |
| 80°   | 625.8  | 496.6  | 367.4  | 284.5  | 219.7  | 170.9  | 135.7  | 101.5  | 73.9   | 86.5   | 108.6 |
| 82.5° | 340.8  | 290.5  | 214.6  | 170.9  | 139.7  | 115.6  | 89.0   | 62.3   | 46.2   | 51.3   | 73.9  |
| 85°   | 194.5  | 170.9  | 132.7  | 103.5  | 90.5   | 73.9   | 50.8   | 34.2   | 33.2   | 35.7   | 45.7  |
| 87.5° | 32.2   | 43.2   | 35.2   | 24.1   | 27.1   | 26.6   | 23.6   | 18.1   | 13.6   | 19.1   | 24.6  |
| 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: P142074

CATALOG NUMBER: EMM-F02-LED-E1-T4-7030

**CANDELA DISTRIBUTION (continued):**

|       | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 |
| 2.5°  | 600.2 | 601.7 | 603.7 | 604.2 | 603.7 | 605.2 | 607.7 | 609.7 | 608.2 | 607.2 | 609.7 |
| 5°    | 609.7 | 610.7 | 613.2 | 613.2 | 613.8 | 614.8 | 616.3 | 617.8 | 615.8 | 615.8 | 616.8 |
| 7.5°  | 613.8 | 613.8 | 616.3 | 615.3 | 615.3 | 614.8 | 616.3 | 616.8 | 613.8 | 613.2 | 613.8 |
| 10°   | 611.2 | 611.2 | 612.2 | 610.2 | 609.7 | 609.2 | 609.2 | 609.7 | 606.7 | 605.7 | 607.2 |
| 12.5° | 607.7 | 607.7 | 606.7 | 605.7 | 604.7 | 603.7 | 604.7 | 605.2 | 603.2 | 603.2 | 603.7 |
| 15°   | 601.7 | 600.2 | 599.7 | 599.7 | 600.2 | 600.7 | 602.7 | 604.2 | 602.7 | 601.7 | 601.7 |
| 17.5° | 591.6 | 590.6 | 592.1 | 595.2 | 598.7 | 601.2 | 604.2 | 605.2 | 601.7 | 597.7 | 594.6 |
| 20°   | 576.6 | 579.1 | 584.6 | 593.1 | 600.7 | 604.7 | 604.7 | 601.2 | 593.1 | 585.1 | 581.1 |
| 22.5° | 561.0 | 568.0 | 580.1 | 593.1 | 602.2 | 603.7 | 598.2 | 590.6 | 579.6 | 571.0 | 563.5 |
| 25°   | 563.0 | 571.5 | 583.6 | 594.6 | 600.7 | 598.2 | 588.1 | 578.6 | 565.5 | 556.4 | 545.4 |
| 27.5° | 584.1 | 592.1 | 598.2 | 601.7 | 599.7 | 591.6 | 580.1 | 567.0 | 552.4 | 539.9 | 526.8 |
| 30°   | 601.2 | 604.7 | 604.2 | 601.2 | 593.6 | 581.1 | 567.5 | 551.9 | 534.3 | 520.8 | 503.7 |
| 32.5° | 604.2 | 597.7 | 587.6 | 576.6 | 566.5 | 552.4 | 536.8 | 518.7 | 499.1 | 481.6 | 464.5 |
| 35°   | 598.7 | 574.0 | 551.9 | 529.8 | 514.7 | 497.1 | 483.6 | 462.4 | 440.8 | 425.8 | 413.2 |
| 37.5° | 578.1 | 535.3 | 500.1 | 469.0 | 446.9 | 426.8 | 406.2 | 385.5 | 367.4 | 360.4 | 356.9 |
| 40°   | 551.9 | 487.6 | 433.8 | 390.6 | 366.9 | 347.3 | 326.2 | 309.6 | 301.1 | 294.6 | 292.0 |
| 42.5° | 513.7 | 433.3 | 366.4 | 320.2 | 290.0 | 271.9 | 251.3 | 242.3 | 238.3 | 239.8 | 237.8 |
| 45°   | 478.0 | 376.5 | 292.5 | 241.3 | 220.7 | 203.6 | 193.5 | 189.5 | 187.5 | 186.5 | 188.0 |
| 47.5° | 452.9 | 332.8 | 235.7 | 183.5 | 166.4 | 154.3 | 150.3 | 148.8 | 148.3 | 146.3 | 145.8 |
| 50°   | 446.9 | 307.1 | 193.0 | 142.8 | 129.7 | 123.2 | 121.1 | 119.6 | 118.6 | 117.1 | 113.6 |
| 52.5° | 453.9 | 300.1 | 171.9 | 122.6 | 111.6 | 106.6 | 105.1 | 102.5 | 101.5 | 97.5  | 93.0  |
| 55°   | 466.0 | 302.6 | 165.4 | 117.1 | 106.1 | 100.5 | 98.5  | 97.5  | 94.0  | 89.5  | 83.9  |
| 57.5° | 491.1 | 318.2 | 168.4 | 118.6 | 107.1 | 102.0 | 101.0 | 100.0 | 95.5  | 89.0  | 81.9  |
| 60°   | 564.0 | 363.4 | 184.0 | 129.2 | 115.1 | 111.6 | 112.1 | 110.1 | 103.5 | 95.0  | 84.4  |
| 62.5° | 676.6 | 433.8 | 212.6 | 142.3 | 128.2 | 128.2 | 131.2 | 129.7 | 119.6 | 105.6 | 90.5  |
| 65°   | 734.9 | 476.0 | 224.7 | 146.3 | 132.2 | 138.7 | 148.3 | 146.8 | 132.2 | 111.1 | 91.0  |
| 67°   | 725.8 | 468.0 | 217.7 | 140.2 | 124.7 | 133.2 | 142.8 | 143.3 | 127.2 | 106.1 | 87.0  |
| 67.5° | 717.3 | 462.4 | 214.1 | 137.7 | 122.6 | 131.2 | 140.2 | 138.7 | 125.2 | 104.1 | 86.0  |
| 70°   | 644.4 | 406.2 | 191.0 | 128.7 | 113.6 | 116.1 | 118.6 | 116.6 | 106.1 | 92.0  | 79.4  |
| 72.5° | 556.4 | 337.3 | 168.4 | 123.2 | 108.6 | 104.6 | 104.6 | 101.0 | 94.0  | 84.4  | 75.4  |
| 75°   | 424.2 | 262.4 | 147.8 | 117.1 | 102.5 | 96.5  | 95.5  | 93.0  | 87.0  | 79.9  | 71.9  |
| 77.5° | 258.9 | 188.0 | 128.2 | 108.1 | 95.0  | 90.0  | 90.5  | 89.0  | 82.9  | 76.4  | 68.9  |
| 80°   | 129.7 | 121.6 | 107.6 | 94.0  | 86.0  | 80.9  | 81.4  | 78.4  | 73.4  | 68.4  | 62.3  |
| 82.5° | 79.4  | 83.9  | 75.4  | 71.4  | 66.4  | 60.8  | 47.3  | 55.3  | 53.8  | 49.3  | 46.7  |
| 85°   | 52.8  | 52.3  | 47.3  | 41.7  | 38.2  | 33.2  | 29.7  | 30.2  | 33.2  | 34.2  | 34.2  |
| 87.5° | 25.6  | 24.6  | 22.6  | 21.1  | 20.1  | 16.6  | 15.6  | 17.6  | 17.6  | 18.6  | 18.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P142074

CATALOG NUMBER: EMM-F02-LED-E1-T4-7030

**CANDELA DISTRIBUTION (continued):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 594.1 | 594.1 | 594.1 | 594.1 | 594.1 |
| 2.5°  | 610.2 | 611.2 | 610.7 | 612.2 | 610.7 |
| 5°    | 617.3 | 617.3 | 617.8 | 618.3 | 617.8 |
| 7.5°  | 613.8 | 613.2 | 614.3 | 615.3 | 614.8 |
| 10°   | 607.2 | 607.7 | 608.7 | 610.2 | 610.2 |
| 12.5° | 604.7 | 605.2 | 607.2 | 608.7 | 608.7 |
| 15°   | 602.7 | 603.2 | 604.2 | 606.2 | 604.7 |
| 17.5° | 593.6 | 591.6 | 591.6 | 593.1 | 591.6 |
| 20°   | 577.6 | 574.5 | 574.5 | 574.0 | 573.5 |
| 22.5° | 558.5 | 550.9 | 548.9 | 546.4 | 546.9 |
| 25°   | 534.8 | 524.8 | 519.3 | 516.2 | 515.2 |
| 27.5° | 515.7 | 504.2 | 498.6 | 494.1 | 492.6 |
| 30°   | 491.6 | 478.5 | 474.0 | 471.5 | 470.5 |
| 32.5° | 456.4 | 444.9 | 438.8 | 437.3 | 434.3 |
| 35°   | 403.1 | 398.1 | 395.6 | 392.1 | 392.6 |
| 37.5° | 349.9 | 348.3 | 342.3 | 344.3 | 342.3 |
| 40°   | 292.5 | 292.0 | 293.1 | 291.5 | 295.1 |
| 42.5° | 238.8 | 237.3 | 239.8 | 238.3 | 239.8 |
| 45°   | 185.0 | 188.0 | 191.5 | 190.0 | 192.0 |
| 47.5° | 141.8 | 142.3 | 141.2 | 142.3 | 143.3 |
| 50°   | 109.1 | 108.1 | 107.1 | 105.1 | 106.1 |
| 52.5° | 90.0  | 86.5  | 83.9  | 82.4  | 81.9  |
| 55°   | 79.4  | 75.9  | 73.9  | 71.9  | 71.9  |
| 57.5° | 76.4  | 71.9  | 68.9  | 67.4  | 66.9  |
| 60°   | 76.9  | 70.9  | 66.9  | 64.3  | 63.8  |
| 62.5° | 78.9  | 70.9  | 65.3  | 62.8  | 61.8  |
| 65°   | 78.4  | 69.9  | 64.3  | 61.8  | 60.8  |
| 67°   | 75.9  | 68.4  | 63.8  | 61.3  | 60.8  |
| 67.5° | 74.9  | 67.9  | 63.8  | 61.3  | 60.3  |
| 70°   | 71.4  | 66.4  | 62.8  | 60.3  | 59.3  |
| 72.5° | 68.4  | 64.3  | 60.3  | 58.3  | 57.3  |
| 75°   | 65.3  | 61.3  | 57.8  | 55.8  | 55.3  |
| 77.5° | 62.3  | 57.8  | 55.3  | 52.8  | 50.8  |
| 80°   | 56.8  | 51.8  | 48.3  | 44.2  | 43.2  |
| 82.5° | 46.7  | 42.7  | 39.2  | 35.7  | 35.2  |
| 85°   | 34.7  | 33.2  | 30.2  | 27.1  | 27.1  |
| 87.5° | 19.1  | 21.1  | 18.6  | 17.1  | 16.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)