

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: P139994

Luminaire Tested: **ENV-F02-LED-E1-SLL-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P139994  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33647)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENV-F02-LED-E1-SLL-7030  
Description: ENTRI LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (14) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3671.3 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 49.3  
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

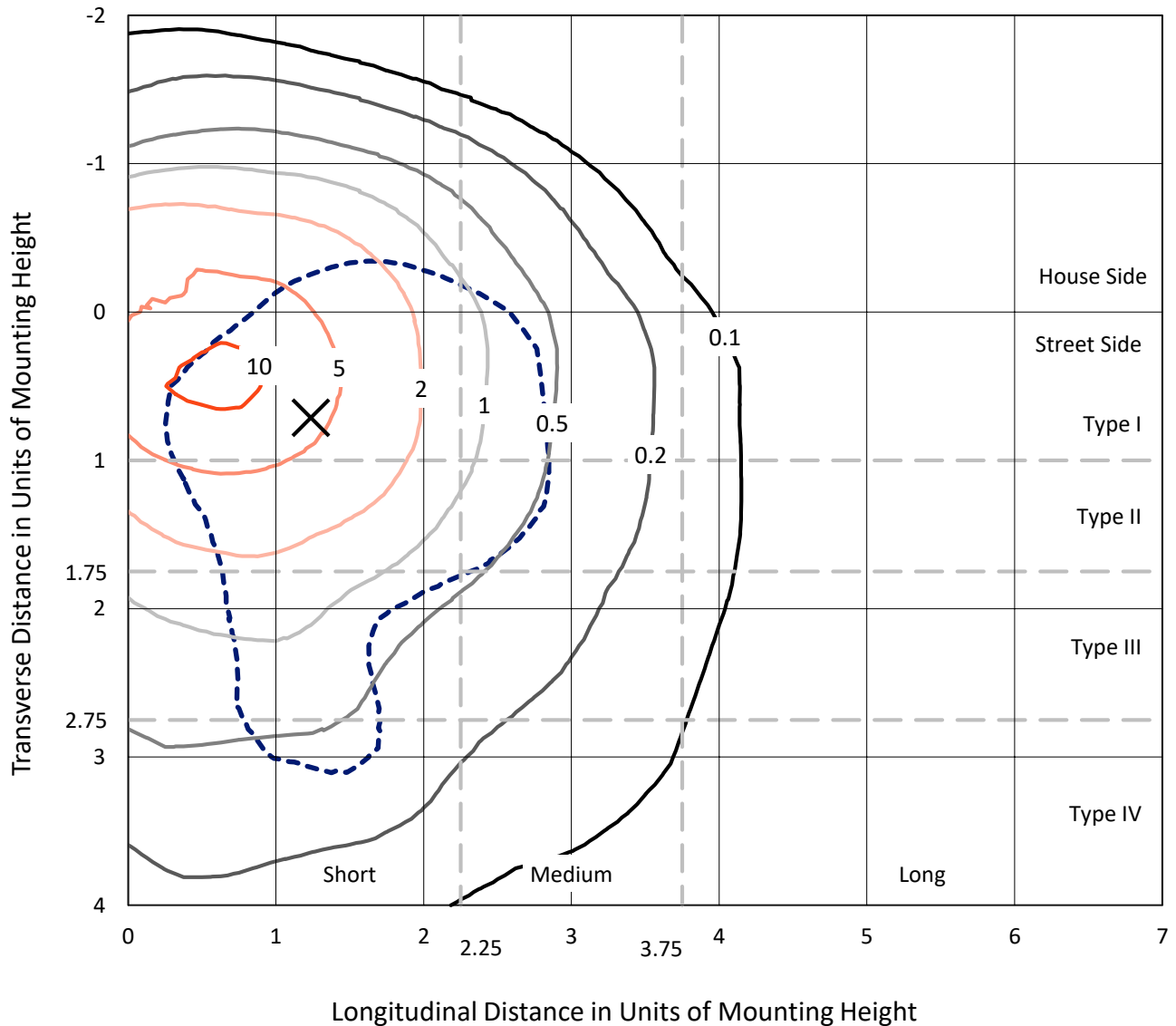


REPORT NUMBER: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

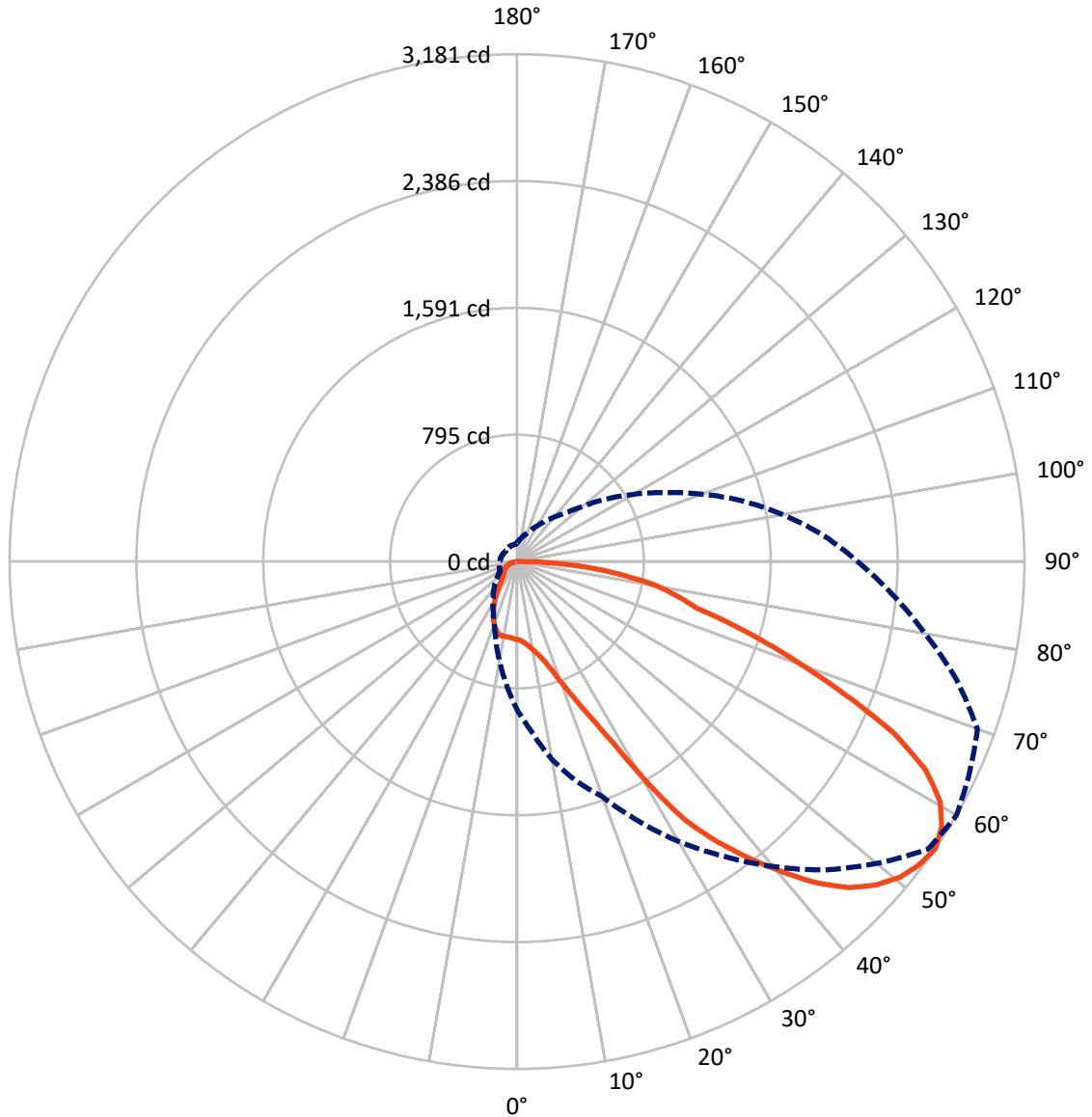


Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

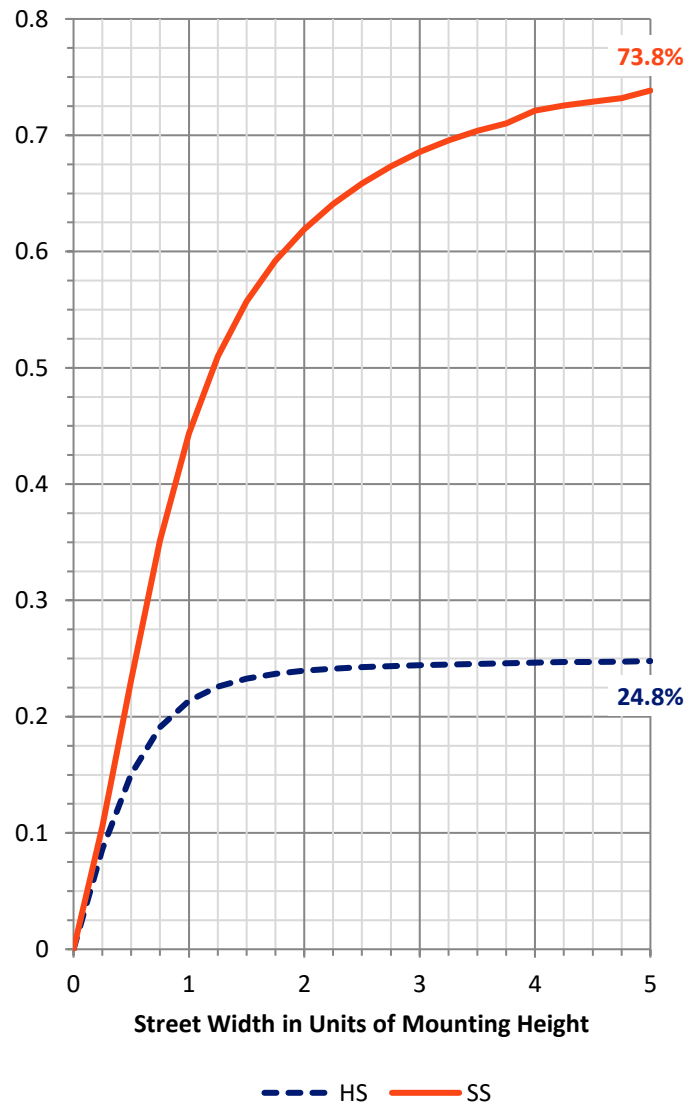
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 917.6    | 0.0    | 917.6  |
|                    | % Fixture | 25.0     | 0.0    | 25.0   |
| <b>Street Side</b> | Lumens    | 2753.7   | 0.0    | 2753.7 |
|                    | % Fixture | 75.0     | 0.0    | 75.0   |
| <b>Total</b>       | Lumens    | 3671.3   | 0.0    | 3671.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.2   | 1.3       |
| 10°-20°   | 158.4  | 4.3       |
| 20°-30°   | 307.5  | 8.4       |
| 30°-40°   | 483.2  | 13.2      |
| 40°-50°   | 645.9  | 17.6      |
| 50°-60°   | 757.8  | 20.6      |
| 60°-70°   | 718.9  | 19.6      |
| 70°-80°   | 433.9  | 11.8      |
| 80°-90°   | 117.6  | 3.2       |
| 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°    | 3671.3 | 100.0     |
| 0°-180°   | 3671.3 | 100.0     |



REPORT NUMBER: P139994

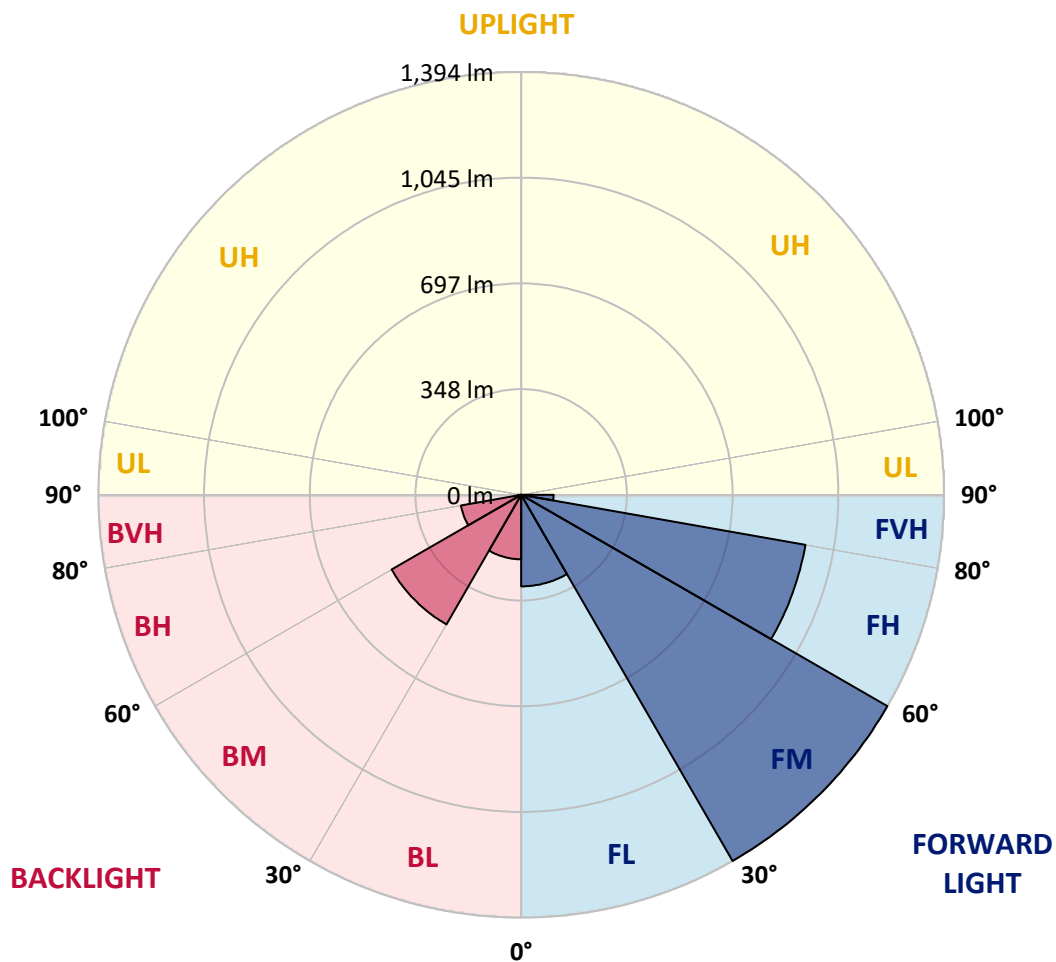
CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 301.7  | 8.2       |                         |      |         |
| FM   | (30°-60°)   | 1393.7 | 38.0      |                         |      |         |
| FH   | (60°-80°)   | 951.4  | 25.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 106.9  | 2.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 212.4  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 493.1  | 13.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 201.5  | 5.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 10.7   | 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-G2**

Type IV Short





REPORT NUMBER: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  |
| 2.5°  | 499.9  | 499.1  | 499.9  | 499.1  | 499.1  | 499.1  | 499.9  | 499.1  | 496.9  | 496.9  | 497.6  |
| 5°    | 512.0  | 512.0  | 512.0  | 512.7  | 512.7  | 513.5  | 515.0  | 513.5  | 512.7  | 516.5  | 513.5  |
| 7.5°  | 526.3  | 526.3  | 528.5  | 529.3  | 531.6  | 531.6  | 534.6  | 533.8  | 536.8  | 539.1  | 536.8  |
| 10°   | 548.2  | 545.9  | 551.2  | 551.2  | 557.2  | 558.0  | 561.0  | 561.7  | 567.0  | 571.5  | 567.8  |
| 12.5° | 579.8  | 581.3  | 590.4  | 591.9  | 599.4  | 599.4  | 599.4  | 602.4  | 606.2  | 609.2  | 605.5  |
| 15°   | 636.4  | 639.4  | 651.5  | 652.2  | 665.0  | 659.7  | 665.8  | 666.5  | 665.8  | 668.0  | 662.8  |
| 17.5° | 709.5  | 717.8  | 735.1  | 738.9  | 744.9  | 755.5  | 755.5  | 754.0  | 757.8  | 760.0  | 745.7  |
| 20°   | 799.2  | 813.6  | 833.2  | 840.7  | 857.3  | 875.4  | 874.6  | 871.6  | 872.4  | 866.3  | 850.5  |
| 22.5° | 900.3  | 932.7  | 965.1  | 977.2  | 989.2  | 1011.9 | 1026.2 | 1021.7 | 1025.4 | 1011.9 | 997.5  |
| 25°   | 1015.6 | 1068.4 | 1117.4 | 1135.5 | 1179.2 | 1219.2 | 1225.2 | 1222.2 | 1205.6 | 1192.8 | 1178.5 |
| 27.5° | 1086.5 | 1155.9 | 1223.0 | 1269.0 | 1343.6 | 1407.7 | 1420.5 | 1441.6 | 1446.9 | 1457.5 | 1422.8 |
| 30°   | 1101.6 | 1188.3 | 1272.0 | 1342.1 | 1431.8 | 1508.0 | 1592.4 | 1655.0 | 1697.2 | 1730.4 | 1707.8 |
| 32.5° | 1112.1 | 1210.2 | 1302.9 | 1391.1 | 1465.0 | 1575.8 | 1682.2 | 1774.9 | 1898.6 | 1943.8 | 1986.8 |
| 35°   | 1115.2 | 1227.5 | 1332.3 | 1431.8 | 1527.6 | 1637.7 | 1751.5 | 1853.3 | 2020.7 | 2154.9 | 2246.9 |
| 37.5° | 1110.6 | 1240.3 | 1363.2 | 1484.6 | 1598.5 | 1719.9 | 1839.7 | 1939.3 | 2102.1 | 2275.6 | 2399.2 |
| 40°   | 1092.5 | 1235.8 | 1376.0 | 1512.5 | 1650.5 | 1800.5 | 1937.8 | 2045.6 | 2197.9 | 2403.0 | 2567.3 |
| 42.5° | 1069.2 | 1216.9 | 1371.5 | 1521.6 | 1676.9 | 1853.3 | 2019.2 | 2150.4 | 2318.5 | 2525.9 | 2712.9 |
| 45°   | 1039.8 | 1193.6 | 1353.4 | 1511.8 | 1679.1 | 1875.2 | 2064.4 | 2232.6 | 2411.3 | 2642.0 | 2822.2 |
| 47.5° | 1003.6 | 1160.4 | 1329.3 | 1489.9 | 1664.1 | 1875.9 | 2085.5 | 2277.8 | 2473.9 | 2721.9 | 2916.4 |
| 50°   | 969.6  | 1125.7 | 1302.1 | 1460.5 | 1635.4 | 1857.1 | 2083.3 | 2298.2 | 2512.3 | 2768.7 | 2973.0 |
| 52.5° | 943.2  | 1096.3 | 1278.8 | 1437.1 | 1602.2 | 1826.2 | 2060.7 | 2288.4 | 2518.3 | 2774.7 | 2983.6 |
| 55°   | 926.7  | 1072.2 | 1259.2 | 1421.3 | 1569.1 | 1793.0 | 2026.0 | 2254.4 | 2495.7 | 2734.7 | 2944.3 |
| 57.5° | 928.9  | 1067.7 | 1247.9 | 1418.3 | 1544.9 | 1764.3 | 1986.8 | 2206.2 | 2425.6 | 2653.3 | 2869.7 |
| 60°   | 952.3  | 1077.5 | 1241.8 | 1397.1 | 1560.0 | 1767.4 | 1969.4 | 2152.7 | 2328.3 | 2537.9 | 2740.0 |
| 62.5° | 1011.1 | 1118.9 | 1251.6 | 1411.5 | 1590.9 | 1796.0 | 1958.1 | 2069.7 | 2174.5 | 2384.1 | 2590.0 |
| 65°   | 1122.7 | 1216.2 | 1322.5 | 1462.7 | 1638.4 | 1836.0 | 1912.1 | 1934.7 | 2001.9 | 2201.7 | 2406.0 |
| 67.5° | 1232.0 | 1342.9 | 1403.2 | 1492.9 | 1657.3 | 1847.3 | 1857.1 | 1759.8 | 1758.3 | 1952.8 | 2100.6 |
| 70°   | 1337.6 | 1498.2 | 1522.3 | 1572.1 | 1684.4 | 1835.2 | 1799.8 | 1612.0 | 1526.8 | 1553.2 | 1639.2 |
| 72.5° | 1268.2 | 1508.7 | 1526.1 | 1541.2 | 1608.3 | 1748.5 | 1707.8 | 1454.5 | 1263.7 | 1229.8 | 1327.0 |
| 75°   | 968.1  | 1273.5 | 1314.2 | 1287.8 | 1324.8 | 1431.8 | 1424.3 | 1226.0 | 1161.1 | 1183.8 | 1221.5 |
| 77.5° | 696.7  | 981.7  | 1069.9 | 984.0  | 974.2  | 1043.5 | 1023.9 | 1040.5 | 1163.4 | 1196.6 | 1187.5 |
| 80°   | 404.1  | 623.6  | 749.5  | 667.3  | 637.9  | 681.6  | 758.5  | 874.6  | 1008.8 | 1080.5 | 1094.0 |
| 82.5° | 252.6  | 367.9  | 500.7  | 469.0  | 429.0  | 505.9  | 625.1  | 706.5  | 772.8  | 838.4  | 842.2  |
| 85°   | 109.3  | 157.6  | 244.3  | 256.4  | 317.4  | 386.0  | 481.0  | 504.4  | 576.8  | 627.3  | 583.6  |
| 87.5° | 3.8    | 3.8    | 58.8   | 87.5   | 155.3  | 279.0  | 377.8  | 337.8  | 342.3  | 300.1  | 279.7  |
| 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: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  | 489.3  |
| 2.5°  | 497.6  | 496.1  | 496.9  | 494.6  | 494.6  | 495.4  | 495.4  | 493.1  | 493.1  | 493.1  | 492.4  |
| 5°    | 515.0  | 513.5  | 512.7  | 511.2  | 508.9  | 510.5  | 508.2  | 506.7  | 504.4  | 503.7  | 501.4  |
| 7.5°  | 537.6  | 535.3  | 534.6  | 530.8  | 527.8  | 526.3  | 524.8  | 519.5  | 517.2  | 515.7  | 512.7  |
| 10°   | 564.0  | 564.0  | 562.5  | 554.9  | 552.7  | 547.4  | 542.1  | 536.1  | 531.6  | 524.8  | 521.0  |
| 12.5° | 597.9  | 600.2  | 594.9  | 588.1  | 582.8  | 572.3  | 562.5  | 554.2  | 545.1  | 535.3  | 529.3  |
| 15°   | 648.4  | 649.9  | 639.4  | 633.4  | 625.1  | 613.0  | 597.9  | 584.3  | 570.8  | 557.2  | 545.9  |
| 17.5° | 723.1  | 720.8  | 705.7  | 699.7  | 685.4  | 665.0  | 644.7  | 626.6  | 606.2  | 587.4  | 573.0  |
| 20°   | 830.9  | 821.9  | 782.6  | 780.4  | 762.3  | 733.6  | 704.2  | 677.8  | 650.7  | 626.6  | 602.4  |
| 22.5° | 962.1  | 941.7  | 913.1  | 880.7  | 846.0  | 814.3  | 779.6  | 742.7  | 708.8  | 678.6  | 652.2  |
| 25°   | 1133.3 | 1088.0 | 1061.6 | 1017.9 | 987.7  | 931.9  | 883.7  | 854.3  | 808.3  | 773.6  | 739.7  |
| 27.5° | 1361.7 | 1290.1 | 1251.6 | 1204.1 | 1137.0 | 1097.8 | 1032.2 | 975.7  | 926.7  | 869.4  | 831.7  |
| 30°   | 1658.0 | 1605.3 | 1508.7 | 1442.4 | 1349.6 | 1254.6 | 1174.0 | 1100.1 | 1036.0 | 967.4  | 911.6  |
| 32.5° | 1962.6 | 1929.5 | 1816.4 | 1692.7 | 1551.7 | 1412.2 | 1293.9 | 1202.6 | 1118.9 | 1042.0 | 977.9  |
| 35°   | 2221.3 | 2152.7 | 2041.8 | 1912.1 | 1731.2 | 1569.8 | 1419.8 | 1303.7 | 1199.6 | 1103.8 | 1023.2 |
| 37.5° | 2387.9 | 2357.7 | 2245.4 | 2098.4 | 1900.1 | 1725.9 | 1570.6 | 1433.3 | 1303.7 | 1178.5 | 1074.4 |
| 40°   | 2573.4 | 2556.0 | 2461.8 | 2281.6 | 2098.4 | 1885.0 | 1707.8 | 1563.0 | 1423.5 | 1274.2 | 1137.8 |
| 42.5° | 2739.3 | 2755.1 | 2658.6 | 2500.2 | 2288.4 | 2047.8 | 1859.3 | 1698.7 | 1539.7 | 1387.3 | 1229.8 |
| 45°   | 2887.8 | 2916.4 | 2845.6 | 2698.5 | 2466.3 | 2203.2 | 2006.4 | 1831.5 | 1658.0 | 1491.4 | 1315.7 |
| 47.5° | 2999.4 | 3030.3 | 2970.7 | 2855.4 | 2613.3 | 2332.9 | 2135.3 | 1939.3 | 1757.6 | 1566.0 | 1379.8 |
| 50°   | 3092.9 | 3111.0 | 3065.7 | 2964.7 | 2732.5 | 2458.8 | 2238.6 | 2032.8 | 1831.5 | 1624.9 | 1421.3 |
| 52.5° | 3147.2 | 3157.7 | 3113.2 | 3040.1 | 2823.0 | 2552.3 | 2319.3 | 2097.6 | 1883.5 | 1665.6 | 1448.4 |
| 55°   | 3144.2 | 3181.1 | 3130.6 | 3071.8 | 2850.8 | 2596.8 | 2361.5 | 2134.6 | 1921.9 | 1692.0 | 1464.3 |
| 57.5° | 3085.3 | 3139.6 | 3116.3 | 3043.1 | 2827.5 | 2593.7 | 2367.5 | 2155.7 | 1946.8 | 1701.0 | 1456.7 |
| 60°   | 2972.2 | 3046.9 | 3063.5 | 2959.4 | 2734.0 | 2510.8 | 2310.2 | 2131.5 | 1923.4 | 1661.0 | 1410.7 |
| 62.5° | 2812.4 | 2872.7 | 2915.7 | 2773.9 | 2550.8 | 2338.9 | 2182.1 | 2041.1 | 1829.2 | 1542.7 | 1315.7 |
| 65°   | 2571.1 | 2599.0 | 2611.1 | 2479.9 | 2261.2 | 2120.2 | 2017.7 | 1896.3 | 1661.0 | 1374.5 | 1168.7 |
| 67.5° | 2212.2 | 2208.4 | 2220.5 | 2159.4 | 1998.1 | 1924.2 | 1856.3 | 1724.4 | 1449.9 | 1182.3 | 977.2  |
| 70°   | 1759.1 | 1837.5 | 1903.8 | 1839.0 | 1738.7 | 1664.8 | 1608.3 | 1452.2 | 1158.1 | 913.1  | 742.7  |
| 72.5° | 1431.8 | 1495.9 | 1532.1 | 1475.6 | 1378.3 | 1325.5 | 1250.9 | 1095.6 | 815.1  | 649.2  | 509.7  |
| 75°   | 1209.4 | 1162.7 | 1184.5 | 1149.1 | 1059.4 | 983.2  | 940.2  | 769.1  | 534.6  | 429.8  | 317.4  |
| 77.5° | 1092.5 | 1017.9 | 970.4  | 894.2  | 791.7  | 705.0  | 661.3  | 478.0  | 337.0  | 253.3  | 183.2  |
| 80°   | 965.9  | 862.6  | 738.9  | 616.0  | 527.8  | 474.3  | 444.1  | 272.9  | 185.5  | 147.0  | 105.6  |
| 82.5° | 734.4  | 637.1  | 517.2  | 428.3  | 352.1  | 306.9  | 272.2  | 156.1  | 104.8  | 77.7   | 60.3   |
| 85°   | 470.5  | 433.5  | 395.8  | 352.1  | 294.8  | 236.8  | 182.5  | 113.9  | 76.9   | 44.5   | 33.2   |
| 87.5° | 227.0  | 188.5  | 187.0  | 172.7  | 164.4  | 129.7  | 76.9   | 26.4   | 16.6   | 14.3   | 9.0    |
| 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: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 489.3  | 489.3  | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 |
| 2.5°  | 490.8  | 490.1  | 488.6 | 488.6 | 487.8 | 487.1 | 486.3 | 486.3 | 487.1 | 485.6 | 484.8 |
| 5°    | 499.1  | 498.4  | 496.1 | 495.4 | 494.6 | 493.1 | 493.1 | 492.4 | 492.4 | 490.8 | 490.1 |
| 7.5°  | 508.9  | 507.4  | 505.9 | 505.2 | 502.9 | 502.9 | 502.9 | 504.4 | 504.4 | 504.4 | 505.2 |
| 10°   | 518.7  | 515.0  | 513.5 | 513.5 | 512.7 | 513.5 | 515.7 | 517.2 | 519.5 | 521.0 | 522.5 |
| 12.5° | 524.0  | 520.3  | 518.7 | 517.2 | 519.5 | 519.5 | 523.3 | 527.8 | 531.6 | 535.3 | 536.8 |
| 15°   | 537.6  | 530.8  | 527.8 | 524.0 | 524.0 | 524.0 | 527.8 | 531.6 | 536.1 | 540.6 | 541.4 |
| 17.5° | 561.0  | 548.9  | 542.9 | 534.6 | 532.3 | 529.3 | 529.3 | 530.8 | 533.8 | 537.6 | 537.6 |
| 20°   | 584.3  | 572.3  | 562.5 | 553.4 | 547.4 | 539.1 | 533.1 | 527.8 | 525.5 | 527.0 | 527.0 |
| 22.5° | 626.6  | 612.2  | 600.2 | 585.1 | 571.5 | 561.0 | 545.9 | 533.1 | 523.3 | 520.3 | 518.0 |
| 25°   | 702.7  | 682.4  | 662.0 | 639.4 | 624.3 | 604.7 | 583.6 | 562.5 | 542.9 | 529.3 | 517.2 |
| 27.5° | 787.2  | 759.3  | 729.9 | 694.4 | 670.3 | 640.9 | 613.0 | 582.8 | 558.7 | 538.4 | 516.5 |
| 30°   | 867.8  | 815.8  | 773.6 | 729.1 | 689.9 | 649.9 | 615.3 | 579.8 | 553.4 | 529.3 | 502.9 |
| 32.5° | 907.8  | 846.0  | 788.7 | 732.9 | 685.4 | 639.4 | 601.7 | 561.7 | 533.8 | 506.7 | 475.0 |
| 35°   | 935.7  | 861.8  | 793.2 | 728.4 | 674.8 | 624.3 | 581.3 | 539.9 | 506.7 | 475.8 | 439.6 |
| 37.5° | 970.4  | 877.6  | 797.0 | 724.6 | 662.0 | 604.7 | 556.4 | 509.7 | 472.0 | 438.8 | 401.1 |
| 40°   | 1015.6 | 901.8  | 801.5 | 714.0 | 642.4 | 577.6 | 527.8 | 477.3 | 437.3 | 401.9 | 367.2 |
| 42.5° | 1078.2 | 935.0  | 806.8 | 701.2 | 620.5 | 552.7 | 501.4 | 452.4 | 410.2 | 372.5 | 337.8 |
| 45°   | 1140.0 | 973.4  | 820.3 | 697.4 | 606.2 | 536.8 | 482.6 | 430.5 | 386.0 | 346.1 | 306.1 |
| 47.5° | 1186.0 | 1002.1 | 834.7 | 699.7 | 597.9 | 520.3 | 462.2 | 404.1 | 354.4 | 310.6 | 269.9 |
| 50°   | 1215.4 | 1020.2 | 847.5 | 705.7 | 590.4 | 498.4 | 429.8 | 371.0 | 319.7 | 276.7 | 236.0 |
| 52.5° | 1230.5 | 1025.4 | 852.0 | 703.5 | 570.8 | 463.7 | 395.1 | 338.5 | 289.5 | 247.3 | 211.1 |
| 55°   | 1235.0 | 1020.2 | 842.2 | 682.4 | 536.8 | 429.0 | 363.4 | 309.9 | 262.4 | 222.4 | 190.0 |
| 57.5° | 1219.2 | 997.5  | 807.5 | 639.4 | 491.6 | 395.8 | 329.5 | 277.5 | 232.2 | 196.8 | 167.4 |
| 60°   | 1167.9 | 945.5  | 746.5 | 572.3 | 441.1 | 351.4 | 285.0 | 233.7 | 196.8 | 165.9 | 145.5 |
| 62.5° | 1074.4 | 857.3  | 663.5 | 488.6 | 371.7 | 290.3 | 227.7 | 183.2 | 153.1 | 131.2 | 120.6 |
| 65°   | 957.6  | 736.7  | 539.1 | 388.3 | 284.3 | 216.4 | 163.6 | 134.2 | 113.1 | 100.3 | 95.0  |
| 67.5° | 782.6  | 576.1  | 403.4 | 276.7 | 196.0 | 147.0 | 110.8 | 95.0  | 86.0  | 82.2  | 80.7  |
| 70°   | 563.2  | 399.6  | 266.9 | 179.5 | 127.4 | 100.3 | 80.7  | 73.9  | 70.1  | 70.1  | 70.9  |
| 72.5° | 371.0  | 246.6  | 162.9 | 114.6 | 90.5  | 75.4  | 65.6  | 62.6  | 62.6  | 64.1  | 64.8  |
| 75°   | 217.2  | 143.3  | 100.3 | 83.7  | 71.6  | 63.3  | 58.1  | 55.8  | 55.8  | 56.5  | 56.5  |
| 77.5° | 128.2  | 88.2   | 71.6  | 63.3  | 58.1  | 54.3  | 51.3  | 48.3  | 47.5  | 47.5  | 49.8  |
| 80°   | 79.2   | 62.6   | 55.8  | 50.5  | 46.7  | 43.7  | 40.7  | 40.7  | 40.7  | 40.0  | 41.5  |
| 82.5° | 51.3   | 44.5   | 43.7  | 42.2  | 37.7  | 34.7  | 31.7  | 31.7  | 33.2  | 31.7  | 32.4  |
| 85°   | 30.9   | 29.4   | 28.7  | 28.7  | 27.1  | 25.6  | 23.4  | 23.4  | 25.6  | 24.9  | 21.9  |
| 87.5° | 8.3    | 7.5    | 9.8   | 9.0   | 10.6  | 10.6  | 10.6  | 12.1  | 15.8  | 20.4  | 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: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 |
| 2.5°  | 484.1 | 484.8 | 483.3 | 482.6 | 483.3 | 484.1 | 481.8 | 481.0 | 480.3 | 479.5 | 480.3 |
| 5°    | 489.3 | 489.3 | 487.1 | 485.6 | 485.6 | 484.8 | 482.6 | 481.8 | 478.8 | 478.0 | 480.3 |
| 7.5°  | 504.4 | 503.7 | 501.4 | 499.1 | 498.4 | 498.4 | 493.1 | 490.8 | 489.3 | 484.8 | 485.6 |
| 10°   | 521.8 | 521.8 | 522.5 | 519.5 | 515.7 | 515.0 | 508.9 | 505.2 | 502.9 | 499.1 | 497.6 |
| 12.5° | 535.3 | 533.1 | 532.3 | 527.8 | 524.0 | 522.5 | 517.2 | 514.2 | 511.2 | 507.4 | 506.7 |
| 15°   | 539.9 | 535.3 | 532.3 | 527.0 | 522.5 | 519.5 | 515.0 | 512.0 | 508.2 | 505.9 | 504.4 |
| 17.5° | 535.3 | 530.8 | 526.3 | 520.3 | 514.2 | 510.5 | 505.2 | 500.7 | 499.1 | 496.1 | 491.6 |
| 20°   | 525.5 | 520.3 | 515.0 | 507.4 | 500.7 | 495.4 | 489.3 | 485.6 | 481.0 | 476.5 | 467.5 |
| 22.5° | 513.5 | 507.4 | 502.2 | 492.4 | 485.6 | 479.5 | 472.8 | 466.7 | 461.4 | 452.4 | 438.8 |
| 25°   | 505.2 | 492.4 | 483.3 | 469.7 | 462.2 | 454.7 | 451.6 | 445.6 | 438.1 | 422.2 | 405.6 |
| 27.5° | 493.1 | 469.7 | 453.2 | 439.6 | 429.0 | 420.0 | 414.7 | 407.9 | 400.4 | 385.3 | 367.9 |
| 30°   | 472.8 | 445.6 | 429.8 | 415.5 | 403.4 | 393.6 | 383.8 | 371.0 | 361.2 | 343.8 | 331.8 |
| 32.5° | 441.8 | 419.2 | 404.9 | 391.3 | 375.5 | 362.7 | 350.6 | 335.5 | 321.2 | 303.9 | 293.3 |
| 35°   | 407.2 | 386.8 | 368.7 | 354.4 | 337.8 | 325.0 | 312.2 | 294.8 | 281.2 | 265.4 | 255.6 |
| 37.5° | 371.0 | 349.1 | 328.0 | 311.4 | 296.3 | 282.0 | 270.7 | 254.1 | 239.8 | 224.7 | 219.4 |
| 40°   | 338.5 | 313.7 | 291.0 | 274.5 | 257.9 | 243.5 | 231.5 | 214.1 | 202.1 | 191.5 | 185.5 |
| 42.5° | 306.9 | 280.5 | 259.4 | 242.0 | 225.4 | 210.4 | 194.5 | 181.0 | 170.4 | 165.9 | 157.6 |
| 45°   | 271.4 | 244.3 | 223.9 | 205.1 | 191.5 | 175.7 | 163.6 | 154.6 | 147.8 | 144.0 | 138.7 |
| 47.5° | 235.2 | 212.6 | 191.5 | 174.2 | 157.6 | 144.0 | 136.5 | 131.9 | 129.7 | 126.7 | 124.4 |
| 50°   | 205.8 | 186.2 | 165.1 | 148.5 | 133.5 | 123.7 | 119.9 | 117.6 | 116.1 | 114.6 | 113.9 |
| 52.5° | 185.5 | 164.4 | 145.5 | 129.7 | 118.4 | 113.1 | 111.6 | 110.1 | 108.6 | 107.8 | 107.1 |
| 55°   | 169.6 | 148.5 | 131.2 | 117.6 | 109.3 | 107.8 | 107.1 | 105.6 | 104.1 | 104.1 | 102.5 |
| 57.5° | 150.8 | 132.7 | 117.6 | 107.8 | 103.3 | 102.5 | 101.8 | 101.0 | 100.3 | 100.3 | 99.5  |
| 60°   | 131.2 | 117.6 | 107.8 | 101.0 | 99.5  | 98.0  | 96.5  | 95.0  | 94.2  | 95.8  | 96.5  |
| 62.5° | 111.6 | 103.3 | 97.3  | 95.0  | 93.5  | 91.2  | 89.7  | 88.2  | 88.2  | 89.7  | 92.0  |
| 65°   | 92.7  | 89.7  | 88.2  | 86.7  | 86.0  | 85.2  | 83.7  | 82.2  | 82.2  | 82.2  | 83.7  |
| 67.5° | 79.9  | 78.4  | 78.4  | 77.7  | 76.9  | 76.9  | 75.4  | 73.9  | 73.9  | 73.9  | 73.9  |
| 70°   | 70.1  | 70.9  | 70.9  | 70.9  | 70.1  | 69.4  | 68.6  | 67.1  | 66.4  | 64.8  | 63.3  |
| 72.5° | 64.8  | 64.1  | 63.3  | 62.6  | 61.8  | 61.1  | 60.3  | 59.6  | 58.1  | 56.5  | 55.0  |
| 75°   | 58.1  | 56.5  | 54.3  | 53.5  | 52.8  | 51.3  | 51.3  | 50.5  | 49.0  | 46.7  | 45.2  |
| 77.5° | 50.5  | 49.0  | 46.7  | 45.2  | 45.2  | 44.5  | 43.0  | 42.2  | 40.0  | 37.7  | 36.2  |
| 80°   | 40.7  | 38.5  | 36.2  | 35.4  | 34.7  | 33.9  | 33.2  | 32.4  | 31.7  | 29.4  | 28.7  |
| 82.5° | 30.2  | 27.9  | 25.6  | 24.9  | 24.1  | 22.6  | 21.9  | 21.9  | 21.9  | 19.6  | 18.1  |
| 85°   | 19.6  | 16.6  | 14.3  | 12.1  | 12.1  | 11.3  | 9.8   | 8.3   | 6.8   | 4.5   | 3.0   |
| 87.5° | 9.8   | 5.3   | 3.0   | 0.8   | 0.8   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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: P139994

CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 |
| 2.5°  | 480.3 | 479.5 | 480.3 | 481.0 | 484.1 | 485.6 | 486.3 | 486.3 | 487.1 | 488.6 | 489.3 |
| 5°    | 480.3 | 475.8 | 475.8 | 477.3 | 478.8 | 481.0 | 481.8 | 481.8 | 482.6 | 484.8 | 487.1 |
| 7.5°  | 482.6 | 478.8 | 476.5 | 475.8 | 476.5 | 478.0 | 478.0 | 478.0 | 478.8 | 481.0 | 483.3 |
| 10°   | 492.4 | 486.3 | 482.6 | 478.0 | 475.0 | 474.3 | 473.5 | 473.5 | 475.0 | 478.0 | 480.3 |
| 12.5° | 500.7 | 493.9 | 487.8 | 481.8 | 475.8 | 472.0 | 469.0 | 467.5 | 468.2 | 471.2 | 475.8 |
| 15°   | 499.9 | 490.1 | 483.3 | 474.3 | 467.5 | 462.2 | 457.7 | 456.2 | 456.9 | 459.2 | 464.5 |
| 17.5° | 484.1 | 472.8 | 463.7 | 453.9 | 446.4 | 442.6 | 440.3 | 439.6 | 441.1 | 445.6 | 450.1 |
| 20°   | 457.7 | 442.6 | 435.8 | 430.5 | 423.7 | 421.5 | 417.0 | 417.0 | 416.2 | 416.2 | 418.5 |
| 22.5° | 423.7 | 409.4 | 404.9 | 401.9 | 395.1 | 389.8 | 384.5 | 383.8 | 378.5 | 379.3 | 378.5 |
| 25°   | 390.6 | 374.0 | 369.5 | 365.7 | 357.4 | 349.9 | 343.8 | 340.1 | 334.0 | 333.3 | 331.0 |
| 27.5° | 353.6 | 339.3 | 334.0 | 328.0 | 318.2 | 310.6 | 303.1 | 297.8 | 292.5 | 287.3 | 285.8 |
| 30°   | 315.9 | 303.1 | 297.8 | 292.5 | 281.2 | 274.5 | 263.9 | 256.4 | 251.8 | 244.3 | 240.5 |
| 32.5° | 279.7 | 267.7 | 262.4 | 256.4 | 243.5 | 230.7 | 223.2 | 214.1 | 207.3 | 197.5 | 193.0 |
| 35°   | 243.5 | 231.5 | 223.2 | 219.4 | 206.6 | 193.0 | 186.2 | 174.2 | 165.9 | 157.6 | 156.1 |
| 37.5° | 208.9 | 197.5 | 191.5 | 183.2 | 173.4 | 162.9 | 151.6 | 144.8 | 141.0 | 139.5 | 138.7 |
| 40°   | 176.4 | 168.1 | 162.1 | 156.8 | 147.8 | 140.2 | 135.0 | 133.5 | 133.5 | 133.5 | 134.2 |
| 42.5° | 153.1 | 145.5 | 142.5 | 135.7 | 131.2 | 128.9 | 128.9 | 129.7 | 130.4 | 131.9 | 133.5 |
| 45°   | 134.2 | 128.2 | 125.9 | 123.7 | 123.7 | 122.9 | 124.4 | 125.9 | 128.2 | 130.4 | 131.9 |
| 47.5° | 120.6 | 116.1 | 114.6 | 115.4 | 116.9 | 117.6 | 120.6 | 122.9 | 125.2 | 126.7 | 128.2 |
| 50°   | 110.8 | 107.1 | 105.6 | 106.3 | 107.8 | 110.1 | 112.3 | 115.4 | 117.6 | 119.1 | 119.9 |
| 52.5° | 104.8 | 101.8 | 100.3 | 100.3 | 102.5 | 104.8 | 107.8 | 110.1 | 112.3 | 113.1 | 114.6 |
| 55°   | 100.3 | 98.0  | 95.8  | 96.5  | 98.8  | 100.3 | 101.8 | 103.3 | 104.8 | 105.6 | 108.6 |
| 57.5° | 97.3  | 94.2  | 92.7  | 93.5  | 94.2  | 92.7  | 94.2  | 95.8  | 97.3  | 98.8  | 100.3 |
| 60°   | 93.5  | 91.2  | 89.0  | 87.5  | 86.0  | 86.0  | 86.7  | 88.2  | 91.2  | 93.5  | 95.8  |
| 62.5° | 89.7  | 86.7  | 84.4  | 82.2  | 79.9  | 79.2  | 79.9  | 81.4  | 84.4  | 87.5  | 89.0  |
| 65°   | 82.9  | 79.2  | 76.9  | 76.2  | 75.4  | 74.6  | 75.4  | 76.9  | 79.9  | 82.2  | 84.4  |
| 67.5° | 73.1  | 70.1  | 69.4  | 68.6  | 67.9  | 68.6  | 69.4  | 70.9  | 73.9  | 76.2  | 78.4  |
| 70°   | 61.8  | 61.1  | 60.3  | 60.3  | 60.3  | 61.1  | 61.8  | 64.8  | 67.1  | 70.1  | 70.9  |
| 72.5° | 52.0  | 51.3  | 50.5  | 52.0  | 52.0  | 52.0  | 53.5  | 57.3  | 60.3  | 63.3  | 64.8  |
| 75°   | 43.7  | 43.7  | 43.0  | 42.2  | 43.7  | 43.7  | 45.2  | 48.3  | 50.5  | 52.8  | 53.5  |
| 77.5° | 36.2  | 35.4  | 34.7  | 34.7  | 35.4  | 35.4  | 35.4  | 36.9  | 38.5  | 38.5  | 38.5  |
| 80°   | 27.9  | 26.4  | 25.6  | 24.9  | 24.1  | 22.6  | 22.6  | 23.4  | 23.4  | 23.4  | 24.9  |
| 82.5° | 15.8  | 15.1  | 12.1  | 9.8   | 9.8   | 9.0   | 8.3   | 8.3   | 8.3   | 9.8   | 10.6  |
| 85°   | 2.3   | 1.5   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 1.5   | 1.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.8   | 0.8   | 0.8   | 1.5   | 1.5   | 1.5   | 2.3   | 2.3   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P139994  
 CATALOG NUMBER: ENV-F02-LED-E1-SLL-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 489.3 | 0°    |
| 2.5°  | 488.6 | 490.1 | 490.1 | 491.6 | 491.6 | 492.4 | 493.9 | 493.9 | 495.4 | 495.4 | 496.9 | 2.5°  |
| 5°    | 487.1 | 488.6 | 489.3 | 491.6 | 493.1 | 494.6 | 496.9 | 497.6 | 500.7 | 502.2 | 503.7 | 5°    |
| 7.5°  | 484.8 | 487.8 | 489.3 | 492.4 | 495.4 | 497.6 | 500.7 | 502.9 | 506.7 | 508.9 | 511.2 | 7.5°  |
| 10°   | 482.6 | 487.1 | 490.1 | 495.4 | 499.1 | 502.9 | 508.2 | 510.5 | 513.5 | 518.7 | 522.5 | 10°   |
| 12.5° | 480.3 | 484.8 | 490.1 | 495.4 | 504.4 | 509.7 | 516.5 | 522.5 | 526.3 | 533.8 | 539.9 | 12.5° |
| 15°   | 469.0 | 473.5 | 481.0 | 488.6 | 496.9 | 508.2 | 516.5 | 527.8 | 537.6 | 550.4 | 561.0 | 15°   |
| 17.5° | 452.4 | 456.9 | 463.0 | 469.7 | 478.8 | 489.3 | 503.7 | 518.0 | 533.1 | 554.9 | 576.1 | 17.5° |
| 20°   | 420.7 | 422.2 | 428.3 | 435.8 | 445.6 | 457.7 | 474.3 | 492.4 | 514.2 | 542.9 | 573.0 | 20°   |
| 22.5° | 376.2 | 375.5 | 378.5 | 386.8 | 397.4 | 407.9 | 426.0 | 446.4 | 471.2 | 506.7 | 550.4 | 22.5° |
| 25°   | 325.7 | 328.7 | 326.5 | 336.3 | 346.1 | 360.4 | 377.8 | 399.6 | 427.5 | 469.7 | 516.5 | 25°   |
| 27.5° | 279.0 | 281.2 | 284.3 | 288.8 | 297.1 | 312.2 | 331.0 | 355.1 | 387.6 | 432.8 | 486.3 | 27.5° |
| 30°   | 234.5 | 233.7 | 236.0 | 239.8 | 246.6 | 263.9 | 281.2 | 311.4 | 343.8 | 391.3 | 450.9 | 30°   |
| 32.5° | 188.5 | 187.7 | 188.5 | 192.3 | 201.3 | 214.1 | 235.2 | 262.4 | 300.1 | 346.8 | 410.2 | 32.5° |
| 35°   | 154.6 | 152.3 | 154.6 | 159.8 | 165.1 | 175.7 | 196.0 | 222.4 | 256.4 | 302.4 | 357.4 | 35°   |
| 37.5° | 139.5 | 139.5 | 141.8 | 145.5 | 150.8 | 159.1 | 173.4 | 192.3 | 222.4 | 266.9 | 313.7 | 37.5° |
| 40°   | 135.0 | 135.7 | 137.2 | 140.2 | 145.5 | 153.1 | 163.6 | 180.2 | 203.6 | 237.5 | 277.5 | 40°   |
| 42.5° | 134.2 | 134.2 | 134.2 | 135.7 | 140.2 | 147.8 | 159.8 | 174.9 | 194.5 | 218.7 | 252.6 | 42.5° |
| 45°   | 132.7 | 131.9 | 131.9 | 131.9 | 135.7 | 144.0 | 156.8 | 173.4 | 191.5 | 212.6 | 239.0 | 45°   |
| 47.5° | 128.9 | 128.2 | 128.2 | 128.2 | 131.2 | 138.7 | 151.6 | 170.4 | 190.0 | 212.6 | 239.0 | 47.5° |
| 50°   | 120.6 | 121.4 | 121.4 | 122.1 | 124.4 | 131.9 | 145.5 | 165.1 | 187.0 | 211.9 | 242.0 | 50°   |
| 52.5° | 115.4 | 116.9 | 117.6 | 119.1 | 120.6 | 127.4 | 141.8 | 163.6 | 187.0 | 214.1 | 246.6 | 52.5° |
| 55°   | 110.1 | 113.1 | 115.4 | 116.9 | 118.4 | 124.4 | 141.0 | 165.9 | 193.0 | 224.7 | 260.1 | 55°   |
| 57.5° | 101.8 | 104.8 | 107.1 | 110.8 | 114.6 | 121.4 | 138.7 | 166.6 | 200.6 | 239.8 | 284.3 | 57.5° |
| 60°   | 97.3  | 98.8  | 99.5  | 101.8 | 104.1 | 112.3 | 131.2 | 161.4 | 198.3 | 246.6 | 305.4 | 60°   |
| 62.5° | 91.2  | 92.7  | 94.2  | 95.0  | 95.8  | 101.0 | 116.9 | 148.5 | 187.0 | 239.0 | 309.1 | 62.5° |
| 65°   | 86.0  | 87.5  | 89.7  | 90.5  | 92.0  | 95.0  | 105.6 | 131.2 | 168.9 | 224.7 | 297.8 | 65°   |
| 67.5° | 79.9  | 82.2  | 83.7  | 84.4  | 86.7  | 88.2  | 95.8  | 116.1 | 144.8 | 199.1 | 269.9 | 67.5° |
| 70°   | 73.1  | 76.2  | 76.9  | 78.4  | 79.9  | 80.7  | 86.7  | 99.5  | 120.6 | 158.3 | 225.4 | 70°   |
| 72.5° | 66.4  | 67.9  | 68.6  | 70.1  | 71.6  | 73.1  | 76.9  | 86.0  | 99.5  | 121.4 | 163.6 | 72.5° |
| 75°   | 55.8  | 58.1  | 59.6  | 60.3  | 61.8  | 62.6  | 64.1  | 70.1  | 78.4  | 93.5  | 116.1 | 75°   |
| 77.5° | 41.5  | 43.7  | 46.0  | 48.3  | 49.8  | 49.8  | 51.3  | 54.3  | 58.8  | 69.4  | 82.9  | 77.5° |
| 80°   | 26.4  | 28.7  | 30.2  | 31.7  | 32.4  | 34.7  | 36.2  | 41.5  | 43.0  | 50.5  | 58.8  | 80°   |
| 82.5° | 12.1  | 14.3  | 15.1  | 16.6  | 18.8  | 20.4  | 21.1  | 22.6  | 26.4  | 30.2  | 36.2  | 82.5° |
| 85°   | 2.3   | 2.3   | 2.3   | 3.0   | 3.0   | 4.5   | 4.5   | 6.0   | 7.5   | 8.3   | 9.8   | 85°   |
| 87.5° | 2.3   | 3.0   | 3.0   | 3.0   | 3.8   | 3.8   | 3.8   | 3.8   | 4.5   | 4.5   | 4.5   | 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: P139994

NUMBER: ENV-F02-LED-E1-SLL-7030

**DISTRIBUTION (continued):**

| 330°  | 335°  | 340°  | 345°  | 350°   | 355°   | 360°   |
|-------|-------|-------|-------|--------|--------|--------|
| 489.3 | 489.3 | 489.3 | 489.3 | 489.3  | 489.3  | 489.3  |
| 497.6 | 496.9 | 498.4 | 499.9 | 499.1  | 503.7  | 499.9  |
| 505.9 | 505.2 | 507.4 | 508.9 | 509.7  | 512.7  | 512.0  |
| 514.2 | 515.0 | 518.7 | 519.5 | 521.8  | 525.5  | 526.3  |
| 524.0 | 527.8 | 532.3 | 533.8 | 537.6  | 542.1  | 548.2  |
| 543.6 | 548.9 | 554.9 | 559.5 | 567.0  | 576.1  | 579.8  |
| 570.8 | 583.6 | 593.4 | 602.4 | 613.8  | 624.3  | 636.4  |
| 594.9 | 619.8 | 640.9 | 659.7 | 677.8  | 694.4  | 709.5  |
| 606.2 | 645.4 | 678.6 | 713.3 | 748.0  | 771.3  | 799.2  |
| 595.7 | 650.7 | 702.0 | 757.8 | 810.5  | 858.0  | 900.3  |
| 573.0 | 640.9 | 717.0 | 797.0 | 876.9  | 949.3  | 1015.6 |
| 551.9 | 634.9 | 723.1 | 814.3 | 909.3  | 996.0  | 1086.5 |
| 524.0 | 614.5 | 711.0 | 805.3 | 908.6  | 1010.4 | 1101.6 |
| 482.6 | 574.5 | 676.3 | 778.9 | 893.5  | 1006.6 | 1112.1 |
| 433.5 | 525.5 | 629.6 | 737.4 | 864.8  | 992.3  | 1115.2 |
| 380.0 | 470.5 | 579.1 | 694.4 | 826.4  | 968.9  | 1110.6 |
| 334.8 | 415.5 | 527.8 | 653.0 | 791.7  | 939.5  | 1092.5 |
| 298.6 | 371.7 | 478.0 | 604.7 | 753.2  | 905.5  | 1069.2 |
| 277.5 | 338.5 | 435.8 | 561.7 | 713.3  | 870.1  | 1039.8 |
| 272.9 | 322.0 | 407.2 | 529.3 | 674.8  | 832.4  | 1003.6 |
| 277.5 | 322.7 | 394.3 | 508.9 | 645.4  | 798.5  | 969.6  |
| 286.5 | 330.2 | 395.8 | 501.4 | 633.4  | 778.1  | 943.2  |
| 300.8 | 350.6 | 411.7 | 508.2 | 631.8  | 769.8  | 926.7  |
| 329.5 | 386.0 | 447.9 | 536.1 | 649.9  | 778.9  | 928.9  |
| 365.7 | 433.5 | 508.2 | 601.7 | 693.7  | 809.0  | 952.3  |
| 387.6 | 480.3 | 582.8 | 691.4 | 785.7  | 879.9  | 1011.1 |
| 385.3 | 499.9 | 644.7 | 799.2 | 916.9  | 1007.3 | 1122.7 |
| 360.4 | 485.6 | 629.6 | 805.3 | 982.5  | 1109.9 | 1232.0 |
| 300.8 | 417.7 | 585.9 | 797.7 | 1015.6 | 1179.2 | 1337.6 |
| 239.8 | 343.1 | 503.7 | 703.5 | 918.4  | 1085.8 | 1268.2 |
| 159.8 | 242.0 | 371.7 | 539.9 | 695.9  | 841.5  | 968.1  |
| 108.6 | 153.1 | 232.2 | 354.4 | 483.3  | 602.4  | 696.7  |
| 72.4  | 95.8  | 132.7 | 195.3 | 270.7  | 346.8  | 404.1  |
| 42.2  | 52.8  | 67.9  | 96.5  | 143.3  | 202.1  | 252.6  |
| 11.3  | 14.3  | 18.8  | 24.9  | 44.5   | 78.4   | 109.3  |
| 4.5   | 3.8   | 3.8   | 3.8   | 3.8    | 3.8    | 3.8    |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)