

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: P180553

Luminaire Tested: **ICS-F04-LED-E1-SL2**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180553  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-F04-LED-E1-SL2  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (28) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

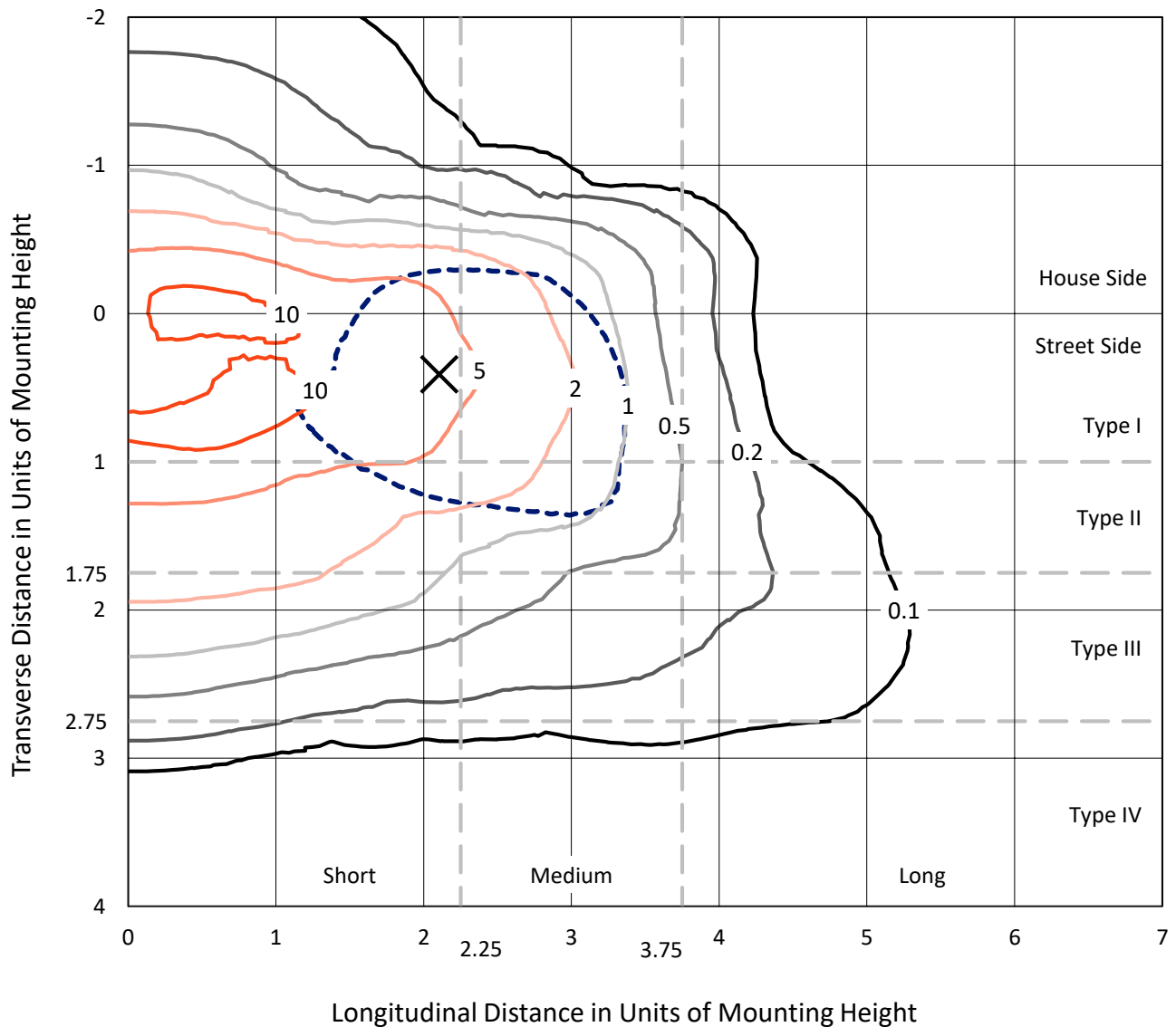
Lumens per Lamp: N/A  
Luminaire Lumens: 9079.9 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 102.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P180553  
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### Iso-Footcandle Lines of Horizontal Illumination

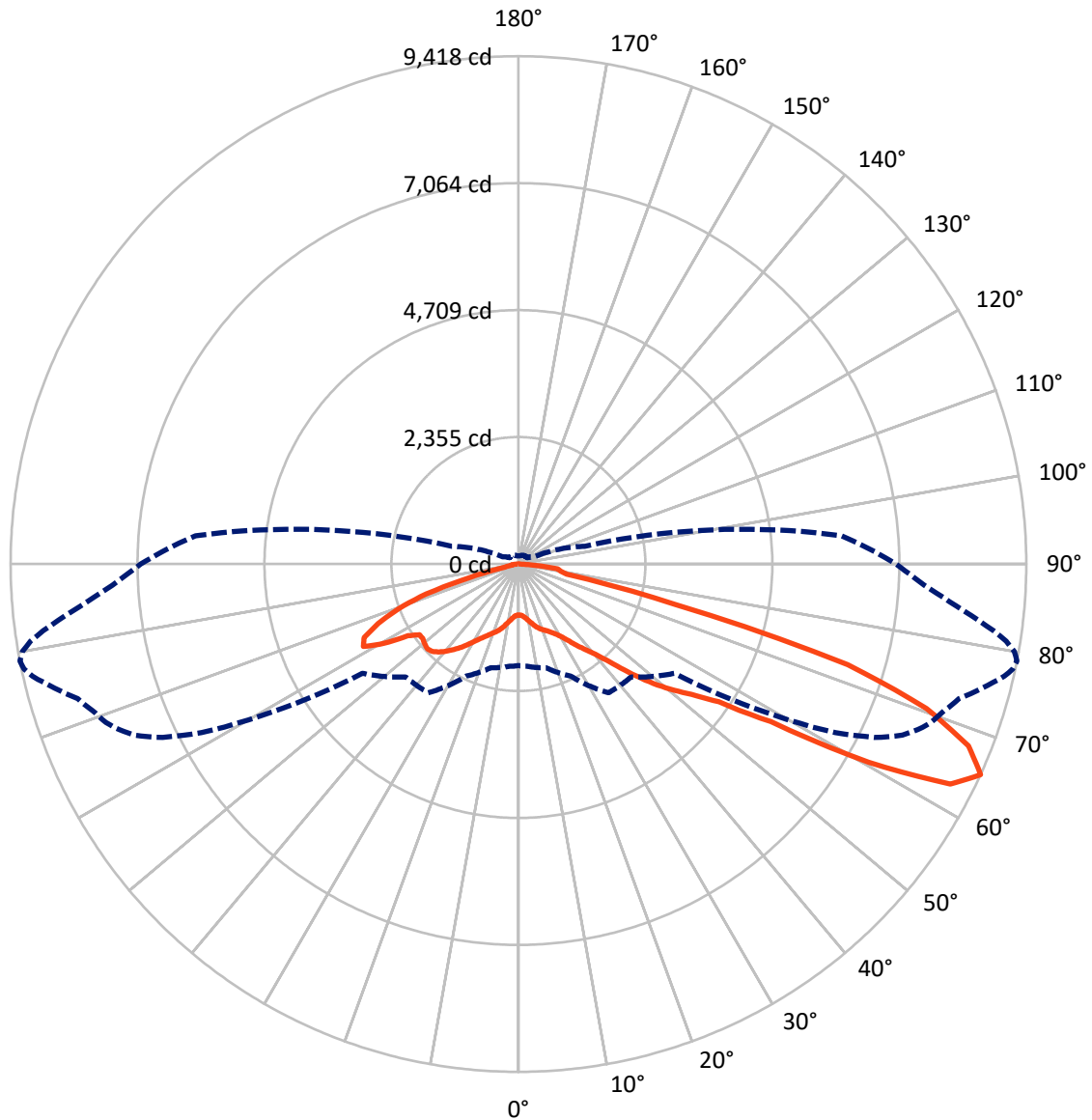
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P180553

CATALOG NUMBER: ICS-F04-LED-E1-SL2

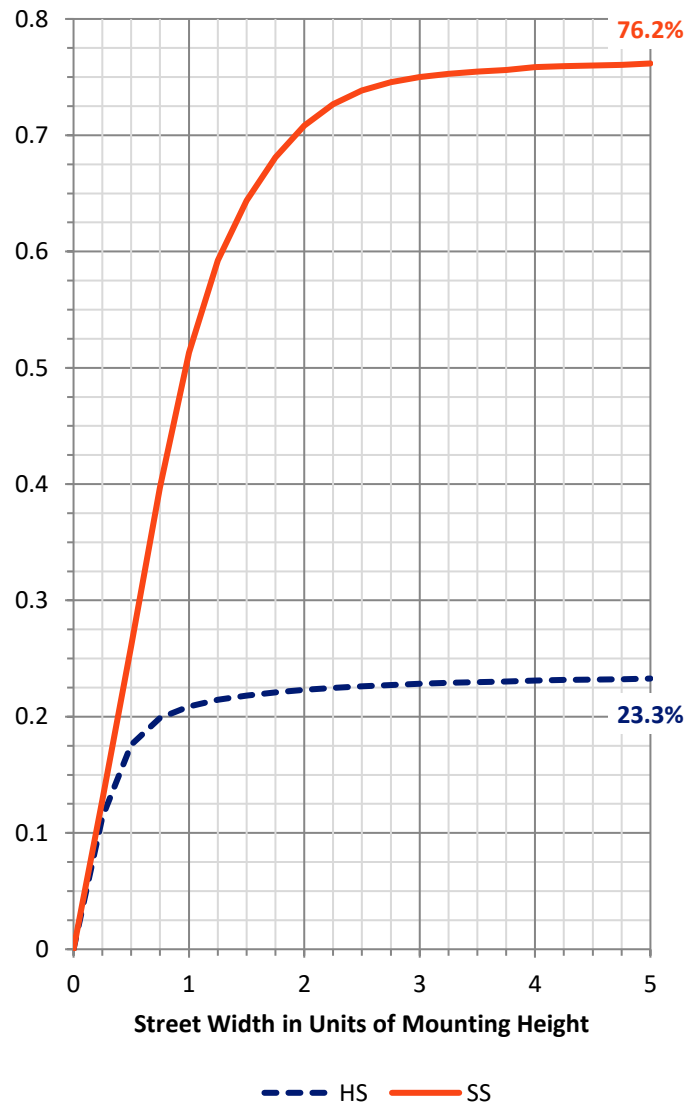
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2146.5   | 0.0    | 2146.5 |
|                    | % Fixture | 23.6     | 0.0    | 23.6   |
| <b>Street Side</b> | Lumens    | 6933.4   | 0.0    | 6933.4 |
|                    | % Fixture | 76.4     | 0.0    | 76.4   |
| <b>Total</b>       | Lumens    | 9079.9   | 0.0    | 9079.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 94.0   | 1.0       |
| 10°-20°   | 307.2  | 3.4       |
| 20°-30°   | 530.6  | 5.8       |
| 30°-40°   | 878.3  | 9.7       |
| 40°-50°   | 1489.6 | 16.4      |
| 50°-60°   | 1979.2 | 21.8      |
| 60°-70°   | 2556.6 | 28.2      |
| 70°-80°   | 1072.2 | 11.8      |
| 80°-90°   | 172.2  | 1.9       |
| 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°    | 9079.9 | 100.0     |
| 0°-180°   | 9079.9 | 100.0     |



REPORT NUMBER: P180553

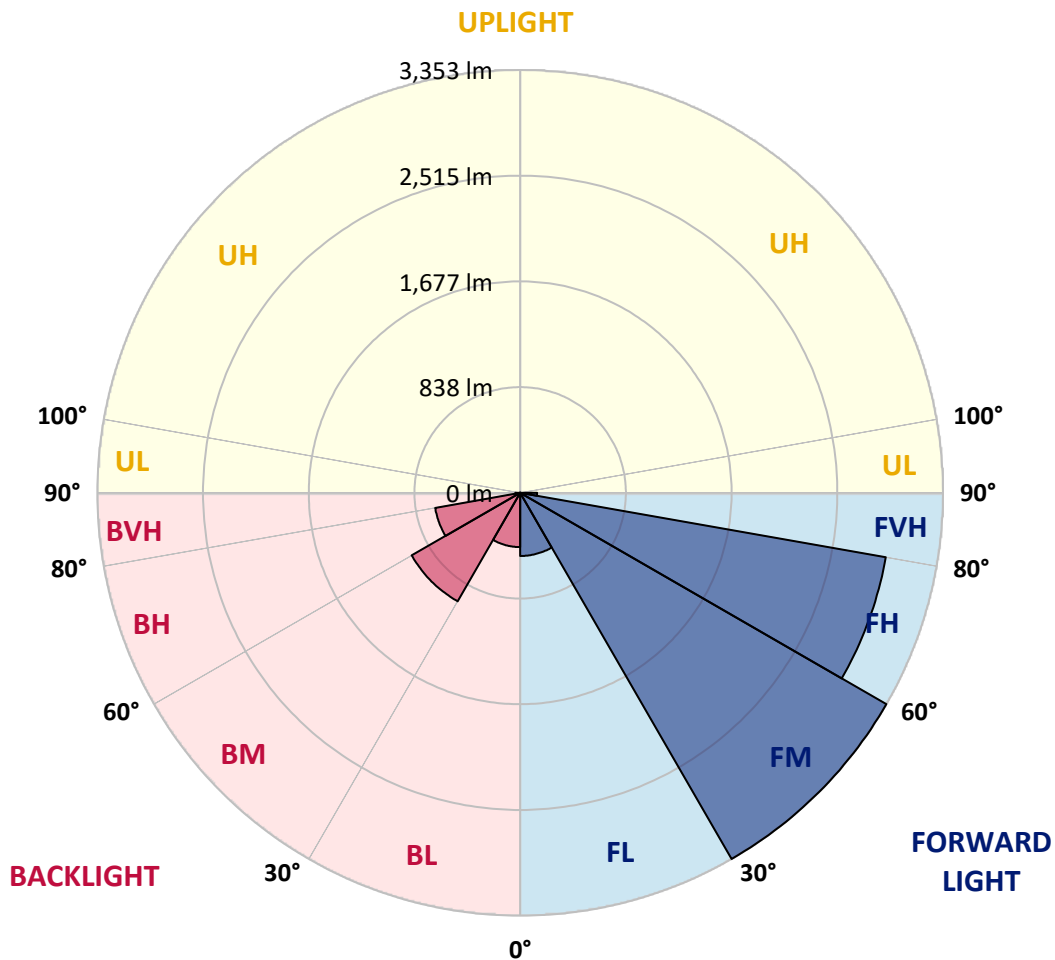
CATALOG NUMBER: ICS-F04-LED-E1-SL2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 501.0  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 3353.5 | 36.9      |                         |      |         |
| FH   | (60°-80°)   | 2944.3 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 134.7  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 430.7  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 993.6  | 10.9      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 684.6  | 7.5       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 37.6   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





REPORT NUMBER: P180553

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  |
| 2.5°  | 942.1  | 945.1  | 943.1  | 945.1  | 947.1  | 948.1  | 950.1  | 949.1  | 949.1  | 950.1  | 948.1  |
| 5°    | 942.1  | 942.1  | 945.1  | 950.1  | 952.0  | 958.0  | 964.9  | 963.9  | 964.9  | 963.9  | 965.9  |
| 7.5°  | 962.0  | 961.0  | 963.9  | 969.9  | 971.9  | 980.8  | 992.7  | 994.6  | 996.6  | 996.6  | 999.6  |
| 10°   | 996.6  | 995.6  | 998.6  | 1001.6 | 1004.6 | 1011.5 | 1028.3 | 1035.3 | 1036.3 | 1037.2 | 1041.2 |
| 12.5° | 1040.2 | 1039.2 | 1035.3 | 1035.3 | 1034.3 | 1047.2 | 1069.9 | 1082.8 | 1084.8 | 1088.8 | 1091.7 |
| 15°   | 1070.9 | 1068.0 | 1062.0 | 1058.1 | 1063.0 | 1083.8 | 1117.5 | 1132.4 | 1134.3 | 1137.3 | 1145.2 |
| 17.5° | 1100.6 | 1097.7 | 1084.8 | 1074.9 | 1081.8 | 1115.5 | 1161.1 | 1176.9 | 1180.9 | 1183.9 | 1192.8 |
| 20°   | 1142.3 | 1140.3 | 1121.5 | 1097.7 | 1095.7 | 1139.3 | 1194.8 | 1215.6 | 1218.5 | 1222.5 | 1231.4 |
| 22.5° | 1205.7 | 1196.7 | 1175.0 | 1130.4 | 1108.6 | 1153.2 | 1218.5 | 1247.3 | 1251.2 | 1255.2 | 1267.1 |
| 25°   | 1284.9 | 1281.0 | 1243.3 | 1175.0 | 1129.4 | 1167.0 | 1244.3 | 1280.0 | 1285.9 | 1290.9 | 1306.7 |
| 27.5° | 1367.1 | 1361.2 | 1320.6 | 1231.4 | 1166.0 | 1194.8 | 1284.9 | 1325.5 | 1333.5 | 1341.4 | 1356.2 |
| 30°   | 1440.5 | 1438.5 | 1404.8 | 1307.7 | 1225.5 | 1247.3 | 1350.3 | 1399.8 | 1408.8 | 1418.7 | 1432.5 |
| 32.5° | 1612.8 | 1613.8 | 1579.1 | 1480.1 | 1369.1 | 1342.4 | 1444.4 | 1518.7 | 1522.7 | 1534.6 | 1559.3 |
| 35°   | 1942.7 | 1946.7 | 1933.8 | 1855.6 | 1730.7 | 1620.8 | 1630.7 | 1704.0 | 1707.9 | 1717.8 | 1741.6 |
| 37.5° | 2163.7 | 2171.6 | 2211.2 | 2236.0 | 2172.6 | 2122.0 | 1996.2 | 1967.5 | 1970.5 | 1964.5 | 1959.6 |
| 40°   | 2285.5 | 2297.4 | 2401.4 | 2530.2 | 2599.6 | 2600.5 | 2546.1 | 2419.2 | 2370.7 | 2356.8 | 2297.4 |
| 42.5° | 2354.9 | 2374.7 | 2522.3 | 2742.2 | 2941.3 | 3078.1 | 3111.7 | 2971.1 | 2935.4 | 2872.0 | 2758.1 |
| 45°   | 2400.4 | 2424.2 | 2598.6 | 2899.7 | 3193.0 | 3425.8 | 3601.1 | 3538.7 | 3514.9 | 3476.3 | 3371.3 |
| 47.5° | 2392.5 | 2411.3 | 2592.6 | 2953.2 | 3324.7 | 3655.6 | 3966.7 | 4031.1 | 4002.4 | 3992.5 | 3921.1 |
| 50°   | 2247.9 | 2264.7 | 2449.0 | 2820.5 | 3252.4 | 3742.8 | 4198.5 | 4380.8 | 4380.8 | 4399.6 | 4377.8 |
| 52.5° | 2093.3 | 2107.2 | 2274.6 | 2608.5 | 3018.6 | 3657.6 | 4327.3 | 4629.5 | 4669.1 | 4701.8 | 4753.3 |
| 55°   | 2034.9 | 2051.7 | 2178.5 | 2463.8 | 2819.5 | 3413.9 | 4370.9 | 4815.7 | 4889.0 | 4944.5 | 5061.4 |
| 57.5° | 2062.6 | 2079.4 | 2169.6 | 2385.6 | 2702.6 | 3165.2 | 4372.9 | 5066.4 | 5208.0 | 5322.0 | 5558.7 |
| 60°   | 2182.5 | 2198.3 | 2273.6 | 2457.9 | 2671.9 | 3021.6 | 4288.7 | 5465.6 | 5691.5 | 5905.5 | 6299.8 |
| 62.5° | 2127.0 | 2146.8 | 2256.8 | 2577.8 | 2900.7 | 2912.6 | 3984.5 | 5774.7 | 6138.3 | 6454.3 | 7081.4 |
| 65°   | 1884.3 | 1905.1 | 1991.3 | 2291.5 | 2914.6 | 2960.2 | 3533.8 | 5780.6 | 6232.4 | 6659.4 | 7336.0 |
| 67.5° | 1430.5 | 1438.5 | 1506.8 | 1747.6 | 2331.1 | 3012.7 | 3070.1 | 5096.1 | 5526.0 | 6002.6 | 6701.0 |
| 70°   | 731.1  | 745.0  | 764.8  | 964.9  | 1500.9 | 2489.6 | 2638.2 | 3755.7 | 4303.5 | 4795.9 | 5635.0 |
| 72.5° | 253.6  | 258.6  | 278.4  | 368.5  | 731.1  | 1633.6 | 2309.3 | 2573.8 | 2904.7 | 3365.4 | 4337.2 |
| 75°   | 152.6  | 152.6  | 159.5  | 186.2  | 333.9  | 851.0  | 2054.7 | 2102.2 | 2146.8 | 2301.4 | 2937.4 |
| 77.5° | 120.9  | 122.8  | 122.8  | 127.8  | 185.3  | 436.9  | 1560.3 | 1954.6 | 1960.6 | 1975.4 | 2082.4 |
| 80°   | 86.2   | 90.2   | 98.1   | 102.0  | 119.9  | 239.7  | 875.8  | 1715.9 | 1832.8 | 1889.2 | 1967.5 |
| 82.5° | 64.4   | 68.4   | 83.2   | 88.2   | 93.1   | 133.7  | 393.3  | 1183.9 | 1396.9 | 1509.8 | 1785.2 |
| 85°   | 28.7   | 33.7   | 56.5   | 62.4   | 65.4   | 71.3   | 184.3  | 336.8  | 387.4  | 434.9  | 573.6  |
| 87.5° | 5.0    | 5.0    | 8.9    | 12.9   | 18.8   | 17.8   | 40.6   | 57.5   | 58.5   | 68.4   | 76.3   |
| 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: ICS-F04-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  |
| 2.5°  | 948.1  | 948.1  | 948.1  | 947.1  | 948.1  | 948.1  | 948.1  | 948.1  | 949.1  | 949.1  | 949.1  |
| 5°    | 968.9  | 966.9  | 967.9  | 967.9  | 967.9  | 966.9  | 968.9  | 967.9  | 968.9  | 971.9  | 970.9  |
| 7.5°  | 999.6  | 1001.6 | 1002.6 | 1003.6 | 1003.6 | 1003.6 | 1004.6 | 1006.5 | 1006.5 | 1009.5 | 1008.5 |
| 10°   | 1045.2 | 1044.2 | 1045.2 | 1048.1 | 1051.1 | 1052.1 | 1055.1 | 1054.1 | 1056.1 | 1060.0 | 1064.0 |
| 12.5° | 1093.7 | 1095.7 | 1098.7 | 1101.6 | 1106.6 | 1107.6 | 1110.6 | 1111.5 | 1117.5 | 1117.5 | 1121.5 |
| 15°   | 1148.2 | 1149.2 | 1155.1 | 1156.1 | 1162.1 | 1164.1 | 1169.0 | 1171.0 | 1177.9 | 1178.9 | 1182.9 |
| 17.5° | 1197.7 | 1199.7 | 1202.7 | 1205.7 | 1212.6 | 1215.6 | 1219.5 | 1223.5 | 1229.4 | 1231.4 | 1238.4 |
| 20°   | 1237.4 | 1241.3 | 1242.3 | 1248.3 | 1254.2 | 1258.2 | 1262.1 | 1266.1 | 1272.0 | 1275.0 | 1281.9 |
| 22.5° | 1273.0 | 1277.0 | 1280.0 | 1284.9 | 1288.9 | 1294.8 | 1296.8 | 1303.7 | 1309.7 | 1314.6 | 1320.6 |
| 25°   | 1311.7 | 1317.6 | 1320.6 | 1329.5 | 1332.5 | 1338.4 | 1343.4 | 1350.3 | 1358.2 | 1364.2 | 1372.1 |
| 27.5° | 1366.2 | 1375.1 | 1379.0 | 1388.9 | 1395.9 | 1398.8 | 1406.8 | 1416.7 | 1423.6 | 1430.5 | 1438.5 |
| 30°   | 1441.4 | 1458.3 | 1461.3 | 1468.2 | 1481.1 | 1483.1 | 1493.0 | 1500.9 | 1511.8 | 1518.7 | 1525.7 |
| 32.5° | 1558.3 | 1579.1 | 1581.1 | 1589.1 | 1600.0 | 1603.9 | 1611.8 | 1620.8 | 1637.6 | 1640.6 | 1651.5 |
| 35°   | 1737.7 | 1746.6 | 1754.5 | 1757.5 | 1766.4 | 1771.3 | 1777.3 | 1787.2 | 1804.0 | 1802.1 | 1813.9 |
| 37.5° | 1952.6 | 1955.6 | 1956.6 | 1946.7 | 1948.7 | 1939.8 | 1950.7 | 1952.6 | 1958.6 | 1963.5 | 1975.4 |
| 40°   | 2259.7 | 2229.0 | 2225.1 | 2201.3 | 2177.5 | 2164.6 | 2159.7 | 2139.9 | 2144.8 | 2146.8 | 2156.7 |
| 42.5° | 2708.5 | 2649.1 | 2599.6 | 2565.9 | 2507.4 | 2478.7 | 2440.1 | 2409.3 | 2385.6 | 2394.5 | 2398.4 |
| 45°   | 3277.2 | 3192.0 | 3112.7 | 3009.7 | 2933.4 | 2878.9 | 2810.6 | 2749.1 | 2721.4 | 2708.5 | 2724.4 |
| 47.5° | 3844.8 | 3769.6 | 3676.4 | 3570.4 | 3449.6 | 3359.4 | 3245.5 | 3145.4 | 3076.1 | 3050.3 | 3064.2 |
| 50°   | 4335.2 | 4265.9 | 4195.5 | 4133.1 | 3992.5 | 3894.4 | 3738.8 | 3609.1 | 3500.1 | 3444.6 | 3429.7 |
| 52.5° | 4742.4 | 4705.7 | 4668.1 | 4615.6 | 4502.7 | 4404.6 | 4280.7 | 4152.9 | 4008.3 | 3895.4 | 3856.7 |
| 55°   | 5106.0 | 5127.8 | 5109.0 | 5109.9 | 5065.4 | 5003.0 | 4897.9 | 4802.8 | 4701.8 | 4574.0 | 4520.5 |
| 57.5° | 5636.0 | 5764.8 | 5790.5 | 5854.9 | 5886.6 | 5920.3 | 5950.0 | 5893.6 | 5867.8 | 5772.7 | 5773.7 |
| 60°   | 6471.1 | 6659.4 | 6822.8 | 6971.4 | 7093.3 | 7212.2 | 7337.0 | 7392.5 | 7453.9 | 7482.6 | 7580.7 |
| 62.5° | 7359.8 | 7539.1 | 7782.8 | 7981.9 | 8093.9 | 8248.4 | 8384.2 | 8472.3 | 8580.3 | 8695.2 | 8844.8 |
| 65°   | 7579.7 | 7795.7 | 7949.2 | 8082.0 | 8193.0 | 8275.2 | 8349.5 | 8454.5 | 8544.6 | 8726.9 | 8903.3 |
| 67.5° | 7016.0 | 7188.4 | 7329.1 | 7459.8 | 7546.0 | 7615.4 | 7681.8 | 7751.1 | 7905.7 | 8071.1 | 8248.4 |
| 70°   | 6022.4 | 6230.4 | 6463.2 | 6632.6 | 6675.2 | 6734.7 | 6798.1 | 6888.2 | 6965.5 | 7138.9 | 7273.6 |
| 72.5° | 4838.5 | 5137.7 | 5334.8 | 5569.6 | 5620.1 | 5710.3 | 5746.0 | 5816.3 | 5830.2 | 5924.3 | 5960.0 |
| 75°   | 3372.3 | 3715.1 | 3913.2 | 4085.6 | 4119.3 | 4069.7 | 4089.5 | 3840.9 | 3777.5 | 3726.0 | 3684.4 |
| 77.5° | 2226.1 | 2318.2 | 2349.9 | 2322.2 | 2189.4 | 2085.4 | 1974.4 | 1865.5 | 1877.3 | 1789.2 | 1634.6 |
| 80°   | 1979.4 | 2000.2 | 1971.5 | 1943.7 | 1867.4 | 1758.5 | 1658.4 | 1556.4 | 1505.8 | 1452.3 | 1373.1 |
| 82.5° | 1925.9 | 2006.1 | 2015.1 | 1981.4 | 1920.9 | 1802.1 | 1681.2 | 1529.6 | 1400.8 | 1281.9 | 1161.1 |
| 85°   | 643.9  | 783.6  | 846.0  | 904.5  | 922.3  | 943.1  | 871.8  | 774.7  | 657.8  | 579.6  | 453.7  |
| 87.5° | 82.2   | 102.0  | 117.9  | 101.0  | 117.9  | 138.7  | 100.1  | 111.9  | 112.9  | 70.3   | 52.5   |
| 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: P180553

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**CANDELA DISTRIBUTION (continued):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  |
| 2.5°  | 950.1  | 949.1  | 949.1  | 949.1  | 948.1  | 949.1  | 949.1  | 949.1  | 949.1  | 949.1  | 948.1  |
| 5°    | 971.9  | 971.9  | 974.8  | 975.8  | 973.8  | 972.9  | 973.8  | 974.8  | 974.8  | 973.8  | 974.8  |
| 7.5°  | 1012.5 | 1013.5 | 1015.5 | 1018.4 | 1016.4 | 1017.4 | 1018.4 | 1017.4 | 1020.4 | 1021.4 | 1020.4 |
| 10°   | 1064.0 | 1066.0 | 1070.9 | 1071.9 | 1070.9 | 1074.9 | 1075.9 | 1073.9 | 1075.9 | 1075.9 | 1079.8 |
| 12.5° | 1123.4 | 1125.4 | 1131.4 | 1133.3 | 1135.3 | 1136.3 | 1139.3 | 1140.3 | 1143.2 | 1145.2 | 1148.2 |
| 15°   | 1187.8 | 1189.8 | 1193.8 | 1200.7 | 1202.7 | 1204.7 | 1206.7 | 1212.6 | 1213.6 | 1217.6 | 1220.5 |
| 17.5° | 1242.3 | 1245.3 | 1251.2 | 1256.2 | 1259.2 | 1264.1 | 1266.1 | 1273.0 | 1275.0 | 1281.0 | 1285.9 |
| 20°   | 1285.9 | 1290.9 | 1295.8 | 1301.8 | 1306.7 | 1312.7 | 1314.6 | 1321.6 | 1325.5 | 1328.5 | 1334.5 |
| 22.5° | 1325.5 | 1331.5 | 1338.4 | 1345.3 | 1349.3 | 1357.2 | 1360.2 | 1363.2 | 1372.1 | 1376.1 | 1382.0 |
| 25°   | 1377.1 | 1383.0 | 1390.9 | 1399.8 | 1403.8 | 1413.7 | 1416.7 | 1421.6 | 1431.5 | 1435.5 | 1444.4 |
| 27.5° | 1447.4 | 1455.3 | 1461.3 | 1470.2 | 1475.1 | 1482.1 | 1489.0 | 1494.9 | 1503.9 | 1509.8 | 1519.7 |
| 30°   | 1535.6 | 1541.5 | 1551.4 | 1558.3 | 1566.3 | 1576.2 | 1584.1 | 1590.0 | 1595.0 | 1603.9 | 1614.8 |
| 32.5° | 1665.3 | 1666.3 | 1669.3 | 1686.1 | 1694.1 | 1702.0 | 1712.9 | 1717.8 | 1725.8 | 1734.7 | 1746.6 |
| 35°   | 1826.8 | 1835.7 | 1842.7 | 1850.6 | 1859.5 | 1868.4 | 1872.4 | 1887.3 | 1894.2 | 1906.1 | 1918.0 |
| 37.5° | 1987.3 | 1988.3 | 2004.2 | 2009.1 | 2017.0 | 2025.9 | 2039.8 | 2054.7 | 2072.5 | 2084.4 | 2103.2 |
| 40°   | 2159.7 | 2167.6 | 2187.4 | 2197.3 | 2207.2 | 2229.0 | 2239.9 | 2263.7 | 2293.4 | 2310.3 | 2342.0 |
| 42.5° | 2409.3 | 2421.2 | 2456.9 | 2472.7 | 2496.5 | 2532.2 | 2555.0 | 2587.7 | 2599.6 | 2640.2 | 2655.0 |
| 45°   | 2736.3 | 2772.9 | 2824.4 | 2858.1 | 2900.7 | 2939.4 | 2959.2 | 2974.0 | 2991.9 | 3023.6 | 3019.6 |
| 47.5° | 3089.9 | 3137.5 | 3195.0 | 3264.3 | 3292.0 | 3337.6 | 3363.4 | 3392.1 | 3376.3 | 3368.3 | 3360.4 |
| 50°   | 3452.5 | 3508.0 | 3584.3 | 3646.7 | 3689.3 | 3717.0 | 3738.8 | 3734.9 | 3701.2 | 3683.4 | 3633.8 |
| 52.5° | 3855.7 | 3888.4 | 3960.8 | 4014.3 | 4040.0 | 4046.0 | 4041.0 | 4011.3 | 3979.6 | 3923.1 | 3864.7 |
| 55°   | 4473.9 | 4459.1 | 4487.8 | 4512.6 | 4504.6 | 4532.4 | 4461.0 | 4433.3 | 4355.0 | 4281.7 | 4203.5 |
| 57.5° | 5730.1 | 5749.9 | 5589.4 | 5517.1 | 5504.2 | 5530.0 | 5404.2 | 5388.3 | 5199.1 | 5175.3 | 5043.6 |
| 60°   | 7566.8 | 7663.9 | 7538.1 | 7467.8 | 7277.6 | 7215.2 | 7074.5 | 7016.0 | 6834.7 | 6688.1 | 6502.8 |
| 62.5° | 8947.9 | 9036.0 | 9088.5 | 8988.5 | 8877.5 | 8714.1 | 8501.1 | 8265.3 | 8073.1 | 7848.2 | 7652.0 |
| 65°   | 9072.7 | 9251.0 | 9371.9 | 9418.4 | 9340.2 | 9160.9 | 8898.3 | 8601.1 | 8306.9 | 8024.5 | 7776.9 |
| 67.5° | 8489.2 | 8648.7 | 8835.9 | 9003.3 | 9013.2 | 8896.3 | 8672.4 | 8370.3 | 8030.5 | 7681.8 | 7391.5 |
| 70°   | 7486.6 | 7686.7 | 7850.2 | 8026.5 | 8149.4 | 8082.0 | 7970.1 | 7692.7 | 7340.0 | 7068.5 | 6734.7 |
| 72.5° | 6088.7 | 6173.0 | 6212.6 | 6385.9 | 6387.9 | 6265.1 | 6185.8 | 6032.3 | 5747.9 | 5555.8 | 5301.1 |
| 75°   | 3555.6 | 3370.3 | 3173.2 | 3001.8 | 2862.1 | 2803.6 | 2544.1 | 2500.5 | 2326.1 | 2218.1 | 2059.6 |
| 77.5° | 1466.2 | 1300.8 | 1087.8 | 910.4  | 735.1  | 655.8  | 540.9  | 490.4  | 425.0  | 396.3  | 377.5  |
| 80°   | 1257.2 | 1100.6 | 940.2  | 786.6  | 649.9  | 513.2  | 399.2  | 310.1  | 243.7  | 207.1  | 192.2  |
| 82.5° | 1026.3 | 932.2  | 820.3  | 737.1  | 630.1  | 528.0  | 445.8  | 345.7  | 258.6  | 190.2  | 145.6  |
| 85°   | 370.5  | 304.1  | 244.7  | 224.9  | 179.3  | 147.6  | 123.8  | 106.0  | 87.2   | 69.3   | 61.4   |
| 87.5° | 41.6   | 39.6   | 22.8   | 21.8   | 24.8   | 17.8   | 20.8   | 18.8   | 15.9   | 13.9   | 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: P180553

CATALOG NUMBER: ICS-F04-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°  | 155°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1  | 945.1 | 945.1 |
| 2.5°  | 948.1  | 948.1  | 949.1  | 949.1  | 950.1  | 951.1  | 953.0  | 952.0  | 952.0  | 953.0 | 953.0 |
| 5°    | 974.8  | 977.8  | 976.8  | 976.8  | 976.8  | 977.8  | 978.8  | 974.8  | 970.9  | 966.9 | 964.9 |
| 7.5°  | 1021.4 | 1023.4 | 1025.4 | 1023.4 | 1025.4 | 1024.4 | 1022.4 | 1011.5 | 998.6  | 982.8 | 971.9 |
| 10°   | 1081.8 | 1081.8 | 1083.8 | 1082.8 | 1086.8 | 1083.8 | 1077.9 | 1053.1 | 1025.4 | 991.7 | 966.9 |
| 12.5° | 1147.2 | 1154.1 | 1151.2 | 1152.2 | 1160.1 | 1152.2 | 1138.3 | 1101.6 | 1052.1 | 997.6 | 954.0 |
| 15°   | 1224.5 | 1227.5 | 1229.4 | 1226.5 | 1231.4 | 1224.5 | 1199.7 | 1141.3 | 1068.9 | 992.7 | 928.3 |
| 17.5° | 1287.9 | 1288.9 | 1289.9 | 1291.9 | 1298.8 | 1290.9 | 1248.3 | 1169.0 | 1072.9 | 969.9 | 884.7 |
| 20°   | 1337.4 | 1342.4 | 1346.3 | 1346.3 | 1356.2 | 1344.4 | 1287.9 | 1182.9 | 1060.0 | 932.2 | 829.2 |
| 22.5° | 1388.9 | 1392.9 | 1397.9 | 1398.8 | 1411.7 | 1399.8 | 1320.6 | 1179.9 | 1026.3 | 878.7 | 764.8 |
| 25°   | 1452.3 | 1456.3 | 1460.3 | 1465.2 | 1483.1 | 1466.2 | 1353.3 | 1168.0 | 979.8  | 815.3 | 695.5 |
| 27.5° | 1525.7 | 1534.6 | 1537.5 | 1545.5 | 1566.3 | 1540.5 | 1381.0 | 1150.2 | 928.3  | 742.0 | 622.1 |
| 30°   | 1623.7 | 1634.6 | 1638.6 | 1649.5 | 1678.2 | 1621.7 | 1396.9 | 1119.5 | 862.9  | 667.7 | 543.9 |
| 32.5° | 1755.5 | 1770.4 | 1782.2 | 1794.1 | 1826.8 | 1703.0 | 1398.8 | 1074.9 | 786.6  | 584.5 | 468.6 |
| 35°   | 1927.9 | 1950.7 | 1959.6 | 1967.5 | 1998.2 | 1791.2 | 1389.9 | 1008.5 | 693.5  | 499.3 | 409.2 |
| 37.5° | 2121.1 | 2143.8 | 2149.8 | 2153.7 | 2159.7 | 1866.4 | 1368.1 | 907.5  | 588.5  | 425.0 | 361.6 |
| 40°   | 2358.8 | 2378.6 | 2386.6 | 2380.6 | 2348.9 | 1924.9 | 1319.6 | 789.6  | 486.4  | 374.5 | 331.9 |
| 42.5° | 2649.1 | 2678.8 | 2681.8 | 2655.0 | 2550.0 | 1957.6 | 1222.5 | 650.9  | 406.2  | 337.8 | 309.1 |
| 45°   | 3008.7 | 3006.7 | 2989.9 | 2971.1 | 2769.0 | 1944.7 | 1086.8 | 530.0  | 355.7  | 309.1 | 288.3 |
| 47.5° | 3331.7 | 3298.0 | 3272.2 | 3216.8 | 2962.1 | 1869.4 | 911.4  | 438.9  | 324.9  | 287.3 | 270.5 |
| 50°   | 3596.2 | 3534.8 | 3480.3 | 3419.8 | 3105.8 | 1735.7 | 737.1  | 372.5  | 296.2  | 268.5 | 253.6 |
| 52.5° | 3805.2 | 3730.9 | 3667.5 | 3608.1 | 3244.5 | 1587.1 | 604.3  | 324.0  | 268.5  | 249.7 | 234.8 |
| 55°   | 4132.1 | 4057.8 | 3956.8 | 3891.4 | 3456.5 | 1450.4 | 518.1  | 285.3  | 241.7  | 229.8 | 215.0 |
| 57.5° | 4959.4 | 4894.0 | 4773.1 | 4603.7 | 4001.4 | 1398.8 | 469.6  | 255.6  | 219.9  | 213.0 | 201.1 |
| 60°   | 6403.8 | 6297.8 | 6140.3 | 5967.9 | 5109.0 | 1433.5 | 430.9  | 234.8  | 205.1  | 199.1 | 190.2 |
| 62.5° | 7493.5 | 7307.3 | 7129.0 | 6969.5 | 5994.6 | 1432.5 | 380.4  | 218.9  | 194.2  | 191.2 | 182.3 |
| 65°   | 7538.1 | 7348.9 | 7169.6 | 7002.2 | 6014.4 | 1275.0 | 321.0  | 205.1  | 192.2  | 191.2 | 176.3 |
| 67.5° | 7137.9 | 6932.8 | 6759.4 | 6548.4 | 5567.6 | 996.6  | 257.6  | 196.2  | 200.1  | 198.1 | 174.4 |
| 70°   | 6484.0 | 6216.5 | 6073.9 | 5865.8 | 4899.9 | 697.4  | 212.0  | 199.1  | 217.0  | 211.0 | 177.3 |
| 72.5° | 5089.1 | 4887.0 | 4670.1 | 4525.4 | 3835.9 | 440.9  | 178.3  | 201.1  | 223.9  | 214.0 | 185.3 |
| 75°   | 1894.2 | 1948.7 | 1859.5 | 1827.8 | 1948.7 | 258.6  | 158.5  | 187.2  | 200.1  | 185.3 | 168.4 |
| 77.5° | 382.4  | 365.6  | 346.7  | 342.8  | 442.8  | 159.5  | 145.6  | 162.5  | 153.6  | 135.7 | 136.7 |
| 80°   | 183.3  | 178.3  | 172.4  | 171.4  | 164.5  | 132.8  | 134.7  | 138.7  | 115.9  | 105.0 | 111.9 |
| 82.5° | 121.9  | 114.9  | 112.9  | 109.0  | 111.0  | 118.9  | 127.8  | 118.9  | 89.2   | 83.2  | 101.0 |
| 85°   | 56.5   | 54.5   | 53.5   | 53.5   | 59.4   | 107.0  | 106.0  | 87.2   | 61.4   | 59.4  | 101.0 |
| 87.5° | 13.9   | 13.9   | 14.9   | 13.9   | 15.9   | 31.7   | 27.7   | 26.7   | 22.8   | 25.8  | 47.6  |
| 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: P180553

CATALOG NUMBER: ICS-F04-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|
| 0°    | 945.1 | 945.1 | 945.1 |
| 2.5°  | 952.0 | 953.0 | 952.0 |
| 5°    | 961.0 | 961.0 | 961.0 |
| 7.5°  | 961.0 | 958.0 | 957.0 |
| 10°   | 947.1 | 938.2 | 938.2 |
| 12.5° | 923.3 | 908.5 | 906.5 |
| 15°   | 878.7 | 858.9 | 856.0 |
| 17.5° | 822.3 | 795.5 | 790.6 |
| 20°   | 758.9 | 725.2 | 719.2 |
| 22.5° | 689.5 | 650.9 | 647.9 |
| 25°   | 621.2 | 581.5 | 573.6 |
| 27.5° | 544.9 | 506.2 | 502.3 |
| 30°   | 468.6 | 434.9 | 432.9 |
| 32.5° | 404.2 | 383.4 | 379.4 |
| 35°   | 358.6 | 346.7 | 341.8 |
| 37.5° | 328.9 | 320.0 | 319.0 |
| 40°   | 306.1 | 298.2 | 297.2 |
| 42.5° | 287.3 | 280.4 | 279.4 |
| 45°   | 268.5 | 262.5 | 260.5 |
| 47.5° | 249.7 | 243.7 | 242.7 |
| 50°   | 232.8 | 224.9 | 223.9 |
| 52.5° | 217.0 | 209.0 | 207.1 |
| 55°   | 202.1 | 194.2 | 194.2 |
| 57.5° | 189.2 | 181.3 | 180.3 |
| 60°   | 177.3 | 169.4 | 168.4 |
| 62.5° | 168.4 | 158.5 | 157.5 |
| 65°   | 161.5 | 151.6 | 149.6 |
| 67.5° | 157.5 | 145.6 | 142.7 |
| 70°   | 164.5 | 142.7 | 137.7 |
| 72.5° | 165.4 | 139.7 | 132.8 |
| 75°   | 159.5 | 131.8 | 126.8 |
| 77.5° | 139.7 | 117.9 | 112.9 |
| 80°   | 120.9 | 91.1  | 84.2  |
| 82.5° | 114.9 | 74.3  | 64.4  |
| 85°   | 89.2  | 48.5  | 45.6  |
| 87.5° | 50.5  | 26.7  | 21.8  |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)