

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: STREETWORKS

Report Number: P145098

Luminaire Tested: **RDG-E03-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P145098  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-E03-LED-E-U-SL2-8030  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7413.6 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2  
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: 28.75 FT

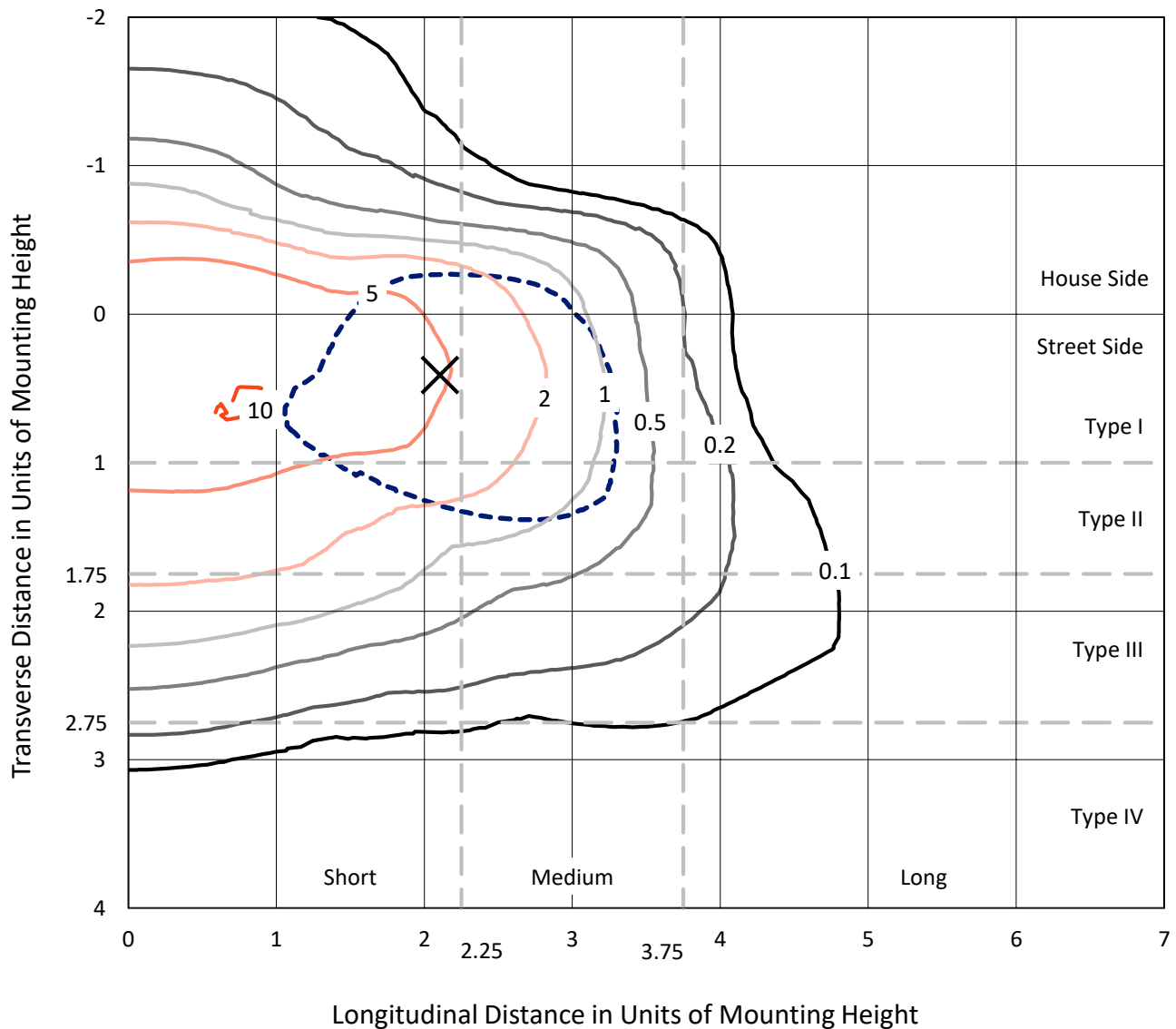


REPORT NUMBER: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

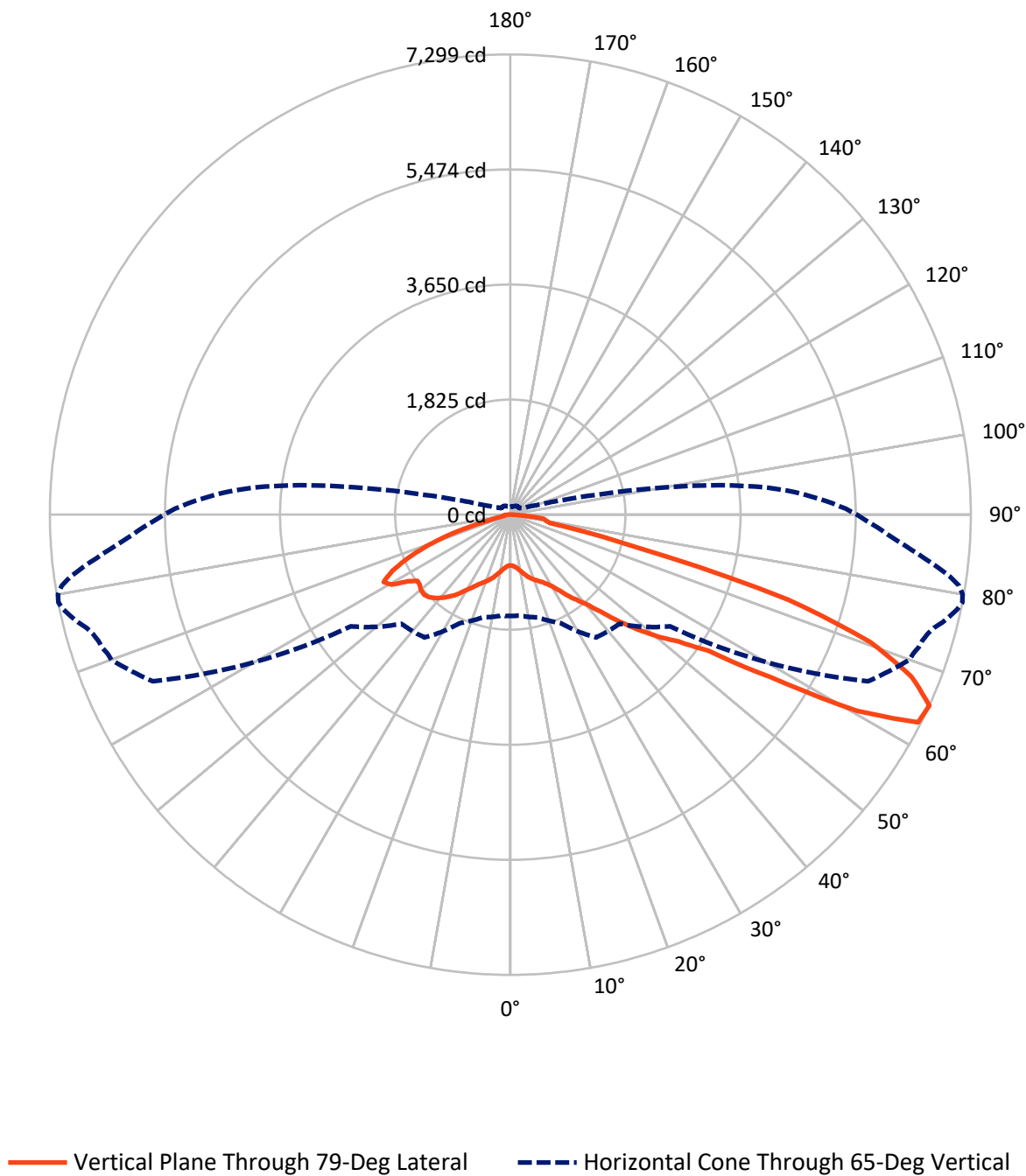


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc  
Type II - Short - Semi-Cutoff

REPORT NUMBER: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

## Luminous Intensity Polar Plot



REPORT NUMBER: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1682.8   | 0.0    | 1682.8 |
|                    | % Fixture | 22.7     | 0.0    | 22.7   |
| <b>Street Side</b> | Lumens    | 5730.8   | 0.0    | 5730.8 |
|                    | % Fixture | 77.3     | 0.0    | 77.3   |
| <b>Total</b>       | Lumens    | 7413.6   | 0.0    | 7413.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.0   | 1.1       |
| 10°-20°   | 260.3  | 3.5       |
| 20°-30°   | 448.8  | 6.1       |
| 30°-40°   | 731.9  | 9.9       |
| 40°-50°   | 1221.8 | 16.5      |
| 50°-60°   | 1652.1 | 22.3      |
| 60°-70°   | 2052.4 | 27.7      |
| 70°-80°   | 821.9  | 11.1      |
| 80°-90°   | 144.4  | 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°    | 7413.6 | 100.0     |
| 0°-180°   | 7413.6 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P145098

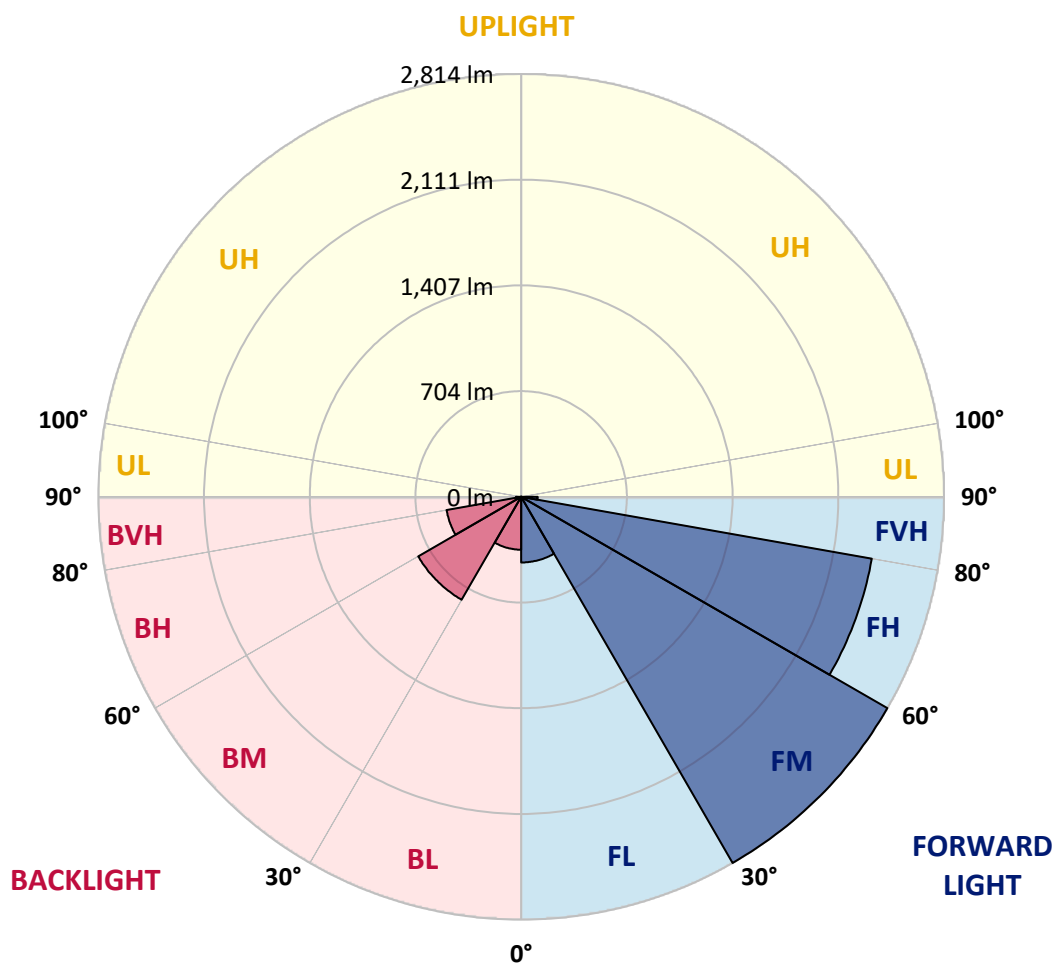
CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 437.2  | 5.9       |                         |      |         |
| FM   | (30°-60°)   | 2814.3 | 38.0      |                         |      |         |
| FH   | (60°-80°)   | 2369.8 | 32.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 109.5  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 352.0  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 791.5  | 10.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 504.5  | 6.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 34.9   | 0.5       |                         |      | 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: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 71°    | 72°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  |
| 2.5°  | 811.8  | 811.2  | 813.8  | 815.8  | 815.8  | 816.8  | 816.3  | 813.3  | 813.8  | 814.8  | 813.8  |
| 5°    | 820.9  | 818.8  | 821.4  | 824.4  | 826.4  | 829.0  | 831.5  | 832.0  | 834.0  | 834.0  | 833.5  |
| 7.5°  | 840.6  | 839.1  | 842.6  | 843.7  | 848.2  | 852.3  | 857.3  | 860.9  | 862.9  | 863.9  | 865.4  |
| 10°   | 874.5  | 873.5  | 874.5  | 876.6  | 878.6  | 883.2  | 891.8  | 899.4  | 903.9  | 903.9  | 905.9  |
| 12.5° | 915.6  | 911.5  | 912.5  | 908.5  | 909.5  | 919.1  | 929.2  | 941.9  | 949.5  | 950.5  | 951.5  |
| 15°   | 947.5  | 945.4  | 943.9  | 938.3  | 942.4  | 955.1  | 970.8  | 989.0  | 995.6  | 1001.1 | 1000.6 |
| 17.5° | 977.3  | 974.8  | 971.3  | 963.7  | 967.7  | 988.0  | 1011.8 | 1032.0 | 1043.2 | 1044.2 | 1045.2 |
| 20°   | 1012.8 | 1009.8 | 1003.2 | 987.5  | 986.5  | 1014.8 | 1046.7 | 1068.5 | 1078.6 | 1083.2 | 1084.7 |
| 22.5° | 1057.9 | 1053.8 | 1041.7 | 1011.3 | 1003.2 | 1036.6 | 1074.6 | 1101.4 | 1112.0 | 1116.6 | 1119.1 |
| 25°   | 1115.6 | 1107.5 | 1088.2 | 1040.6 | 1023.9 | 1058.9 | 1104.4 | 1136.9 | 1151.5 | 1156.1 | 1159.1 |
| 27.5° | 1167.7 | 1161.7 | 1138.4 | 1082.2 | 1053.3 | 1088.7 | 1140.9 | 1182.4 | 1202.7 | 1208.3 | 1212.8 |
| 30°   | 1228.5 | 1219.9 | 1201.2 | 1141.4 | 1102.9 | 1134.3 | 1200.7 | 1253.3 | 1278.1 | 1278.6 | 1288.8 |
| 32.5° | 1371.3 | 1365.7 | 1348.5 | 1282.7 | 1217.9 | 1219.9 | 1281.7 | 1354.1 | 1378.9 | 1383.0 | 1392.1 |
| 35°   | 1583.0 | 1581.0 | 1580.5 | 1544.0 | 1495.9 | 1446.3 | 1450.8 | 1506.0 | 1522.7 | 1529.3 | 1532.3 |
| 37.5° | 1722.2 | 1740.0 | 1783.0 | 1809.3 | 1797.2 | 1807.8 | 1752.1 | 1684.8 | 1675.2 | 1668.1 | 1671.1 |
| 40°   | 1842.3 | 1858.0 | 1945.1 | 2066.6 | 2140.5 | 2192.7 | 2143.6 | 1937.0 | 1860.0 | 1837.7 | 1829.1 |
| 42.5° | 1913.2 | 1930.9 | 2055.5 | 2249.9 | 2438.3 | 2561.9 | 2575.0 | 2287.9 | 2092.4 | 2089.9 | 2057.5 |
| 45°   | 1951.6 | 1969.4 | 2118.2 | 2380.1 | 2646.4 | 2869.2 | 2984.7 | 2719.8 | 2432.7 | 2411.5 | 2366.4 |
| 47.5° | 1944.0 | 1960.8 | 2115.7 | 2428.2 | 2769.5 | 3073.3 | 3304.2 | 3156.4 | 2825.2 | 2774.0 | 2711.7 |
| 50°   | 1851.4 | 1863.5 | 2026.1 | 2349.7 | 2736.6 | 3158.4 | 3523.0 | 3556.9 | 3269.3 | 3199.9 | 3106.7 |
| 52.5° | 1755.7 | 1777.4 | 1912.1 | 2210.4 | 2587.2 | 3105.7 | 3653.6 | 3921.5 | 3684.0 | 3636.4 | 3516.9 |
| 55°   | 1704.0 | 1721.2 | 1831.1 | 2085.8 | 2429.7 | 2925.9 | 3707.8 | 4265.4 | 4187.9 | 4168.6 | 4084.1 |
| 57.5° | 1702.0 | 1718.7 | 1806.3 | 2010.4 | 2301.6 | 2738.6 | 3723.5 | 4796.6 | 5023.9 | 5029.0 | 5004.7 |
| 60°   | 1785.0 | 1802.3 | 1875.7 | 2046.8 | 2262.1 | 2578.1 | 3667.3 | 5550.1 | 6052.4 | 6097.0 | 6171.4 |
| 62.5° | 1796.7 | 1804.8 | 1893.4 | 2124.3 | 2405.9 | 2458.0 | 3435.9 | 6177.5 | 6759.4 | 6800.4 | 6841.4 |
| 65°   | 1607.3 | 1606.8 | 1685.3 | 1898.0 | 2376.0 | 2445.9 | 3088.0 | 6254.5 | 6731.0 | 6755.8 | 6807.0 |
| 67.5° | 1198.6 | 1188.5 | 1233.1 | 1427.5 | 1885.3 | 2448.9 | 2675.8 | 5673.6 | 6206.4 | 6253.5 | 6270.7 |
| 70°   | 617.8  | 633.5  | 663.9  | 782.9  | 1197.1 | 1971.4 | 2298.5 | 4786.9 | 5448.3 | 5466.0 | 5527.3 |
| 72.5° | 253.7  | 247.1  | 267.9  | 329.2  | 599.1  | 1303.0 | 1901.5 | 3777.7 | 4499.8 | 4487.7 | 4498.8 |
| 75°   | 141.3  | 143.3  | 149.4  | 171.7  | 291.2  | 654.3  | 1633.6 | 2674.3 | 3060.1 | 2850.5 | 2787.2 |
| 77.5° | 113.4  | 114.4  | 115.0  | 119.0  | 159.0  | 348.9  | 1253.8 | 1761.2 | 1538.9 | 1429.0 | 1387.0 |
| 80°   | 83.0   | 88.6   | 94.7   | 95.7   | 109.4  | 198.0  | 687.7  | 1482.7 | 1298.9 | 1207.8 | 1132.8 |
| 82.5° | 66.8   | 69.4   | 82.5   | 84.6   | 87.1   | 118.0  | 311.4  | 1392.6 | 1293.8 | 1200.7 | 1097.4 |
| 85°   | 40.0   | 44.6   | 67.4   | 67.9   | 68.9   | 71.9   | 172.2  | 567.2  | 705.4  | 623.4  | 570.7  |
| 87.5° | 14.2   | 18.2   | 33.4   | 27.9   | 35.4   | 29.4   | 75.5   | 189.9  | 234.0  | 222.3  | 197.0  |
| 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: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

**CANDELA DISTRIBUTION (continued):**

|       | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  |
| 2.5°  | 813.3  | 813.3  | 814.3  | 813.8  | 813.8  | 813.8  | 813.8  | 812.8  | 812.8  | 811.2  | 812.3  |
| 5°    | 833.5  | 833.0  | 833.5  | 834.0  | 833.5  | 834.5  | 834.0  | 833.5  | 834.0  | 833.5  | 834.0  |
| 7.5°  | 865.9  | 863.4  | 866.9  | 864.9  | 864.4  | 867.5  | 865.9  | 867.5  | 868.0  | 867.5  | 866.9  |
| 10°   | 907.0  | 908.5  | 908.5  | 908.5  | 907.5  | 910.5  | 911.0  | 912.0  | 912.5  | 914.5  | 914.5  |
| 12.5° | 954.0  | 954.6  | 956.6  | 956.1  | 957.1  | 960.6  | 963.2  | 963.7  | 964.2  | 965.7  | 963.7  |
| 15°   | 1004.7 | 1005.7 | 1005.7 | 1010.3 | 1008.7 | 1013.8 | 1015.3 | 1015.3 | 1015.8 | 1021.9 | 1022.4 |
| 17.5° | 1049.8 | 1049.8 | 1053.8 | 1053.8 | 1057.9 | 1058.9 | 1063.4 | 1063.9 | 1066.0 | 1071.5 | 1072.0 |
| 20°   | 1087.7 | 1089.8 | 1092.3 | 1095.3 | 1096.9 | 1099.9 | 1102.9 | 1106.0 | 1108.5 | 1113.1 | 1113.6 |
| 22.5° | 1123.7 | 1125.7 | 1129.8 | 1131.8 | 1135.3 | 1137.4 | 1139.9 | 1143.4 | 1147.5 | 1153.6 | 1155.1 |
| 25°   | 1165.2 | 1167.2 | 1171.8 | 1174.8 | 1178.9 | 1181.9 | 1186.5 | 1191.0 | 1193.6 | 1199.6 | 1204.2 |
| 27.5° | 1217.9 | 1224.0 | 1230.0 | 1231.6 | 1234.6 | 1241.7 | 1247.8 | 1253.8 | 1259.4 | 1262.4 | 1268.0 |
| 30°   | 1294.9 | 1294.9 | 1307.5 | 1307.5 | 1313.1 | 1319.7 | 1323.7 | 1330.3 | 1340.4 | 1343.5 | 1350.6 |
| 32.5° | 1398.2 | 1400.7 | 1405.2 | 1418.9 | 1429.0 | 1432.1 | 1435.1 | 1444.7 | 1450.8 | 1458.4 | 1467.0 |
| 35°   | 1545.5 | 1548.0 | 1550.6 | 1563.7 | 1575.4 | 1578.4 | 1581.5 | 1587.5 | 1597.7 | 1610.8 | 1606.8 |
| 37.5° | 1677.7 | 1679.2 | 1687.3 | 1702.0 | 1708.6 | 1716.7 | 1719.2 | 1730.4 | 1735.9 | 1748.1 | 1748.6 |
| 40°   | 1836.7 | 1833.1 | 1837.7 | 1854.4 | 1864.5 | 1864.0 | 1872.1 | 1892.4 | 1896.4 | 1902.0 | 1916.2 |
| 42.5° | 2058.5 | 2045.3 | 2059.5 | 2065.1 | 2080.3 | 2089.9 | 2106.1 | 2119.8 | 2129.4 | 2150.7 | 2160.8 |
| 45°   | 2345.1 | 2331.4 | 2343.1 | 2345.6 | 2377.0 | 2386.6 | 2410.9 | 2429.2 | 2449.9 | 2474.2 | 2481.3 |
| 47.5° | 2671.7 | 2646.4 | 2632.2 | 2647.9 | 2685.4 | 2701.1 | 2724.9 | 2742.1 | 2763.9 | 2776.6 | 2772.5 |
| 50°   | 3050.0 | 2989.2 | 2960.9 | 2952.8 | 2979.6 | 3001.9 | 3038.9 | 3047.0 | 3057.1 | 3056.6 | 3057.1 |
| 52.5° | 3471.8 | 3408.5 | 3349.3 | 3308.3 | 3304.2 | 3334.1 | 3343.2 | 3345.2 | 3342.2 | 3319.4 | 3305.2 |
| 55°   | 4022.8 | 4018.2 | 3956.0 | 3870.9 | 3865.3 | 3861.8 | 3808.6 | 3802.0 | 3789.9 | 3754.9 | 3706.8 |
| 57.5° | 5022.4 | 5073.1 | 5032.0 | 5030.0 | 4985.5 | 4956.1 | 4858.3 | 4809.7 | 4758.6 | 4663.9 | 4588.4 |
| 60°   | 6178.0 | 6251.4 | 6292.0 | 6309.7 | 6396.8 | 6396.8 | 6316.8 | 6247.9 | 6164.8 | 6020.5 | 5879.7 |
| 62.5° | 6873.8 | 6938.1 | 6997.9 | 7091.5 | 7202.4 | 7251.6 | 7255.6 | 7194.3 | 7089.5 | 6924.9 | 6725.9 |
| 65°   | 6829.7 | 6877.3 | 6949.8 | 7060.2 | 7151.8 | 7239.9 | 7299.2 | 7280.4 | 7200.4 | 7035.8 | 6819.1 |
| 67.5° | 6330.9 | 6400.3 | 6494.0 | 6595.8 | 6680.9 | 6763.9 | 6859.6 | 6866.7 | 6845.4 | 6689.0 | 6493.0 |
| 70°   | 5561.2 | 5650.4 | 5709.6 | 5837.7 | 5876.2 | 5960.3 | 6056.5 | 6102.6 | 6068.1 | 5947.6 | 5832.7 |
| 72.5° | 4518.1 | 4588.4 | 4598.6 | 4542.9 | 4562.1 | 4582.9 | 4606.2 | 4498.3 | 4456.8 | 4295.7 | 4221.8 |
| 75°   | 2739.6 | 2646.9 | 2568.9 | 2491.5 | 2260.0 | 2178.0 | 2051.9 | 1803.3 | 1774.9 | 1604.3 | 1485.8 |
| 77.5° | 1303.0 | 1264.0 | 1193.6 | 1075.6 | 918.6  | 768.2  | 637.6  | 518.0  | 473.5  | 389.9  | 332.2  |
| 80°   | 1090.8 | 1044.2 | 980.9  | 893.3  | 783.4  | 674.0  | 570.7  | 482.1  | 393.0  | 320.0  | 255.7  |
| 82.5° | 1000.6 | 919.6  | 830.5  | 755.0  | 677.6  | 603.1  | 533.7  | 453.7  | 406.6  | 328.1  | 267.9  |
| 85°   | 505.9  | 443.1  | 359.0  | 302.3  | 255.2  | 207.6  | 179.8  | 153.4  | 136.7  | 108.9  | 94.7   |
| 87.5° | 169.6  | 138.8  | 103.3  | 87.6   | 79.0   | 67.9   | 62.3   | 59.2   | 57.7   | 51.1   | 45.6   |
| 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: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

**CANDELA DISTRIBUTION (continued):**

|       | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 91°    | 92°    | 93°    | 94°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  |
| 2.5°  | 812.3  | 812.3  | 812.3  | 812.3  | 811.8  | 811.8  | 811.8  | 811.8  | 811.8  | 811.8  | 812.3  |
| 5°    | 833.0  | 833.0  | 833.5  | 835.0  | 832.0  | 833.0  | 834.0  | 832.5  | 834.0  | 832.5  | 834.5  |
| 7.5°  | 866.4  | 868.0  | 866.9  | 869.0  | 868.0  | 871.0  | 869.0  | 867.5  | 868.5  | 868.5  | 869.0  |
| 10°   | 913.5  | 915.6  | 914.0  | 915.1  | 915.1  | 917.1  | 914.5  | 915.1  | 915.6  | 914.5  | 915.1  |
| 12.5° | 965.7  | 966.7  | 966.2  | 969.2  | 967.7  | 969.2  | 967.7  | 969.7  | 970.8  | 971.8  | 971.8  |
| 15°   | 1022.4 | 1023.4 | 1026.5 | 1026.0 | 1029.0 | 1028.0 | 1028.5 | 1026.0 | 1031.0 | 1028.0 | 1029.0 |
| 17.5° | 1074.6 | 1074.1 | 1078.1 | 1079.6 | 1080.1 | 1080.6 | 1082.2 | 1080.1 | 1080.6 | 1082.2 | 1081.2 |
| 20°   | 1115.1 | 1118.6 | 1119.6 | 1123.7 | 1126.7 | 1127.7 | 1127.2 | 1128.8 | 1130.8 | 1128.8 | 1128.8 |
| 22.5° | 1158.1 | 1163.2 | 1164.7 | 1167.2 | 1170.3 | 1170.8 | 1173.8 | 1175.3 | 1176.4 | 1175.8 | 1176.4 |
| 25°   | 1209.8 | 1213.3 | 1216.9 | 1221.9 | 1225.5 | 1226.0 | 1228.5 | 1230.5 | 1231.0 | 1230.5 | 1233.6 |
| 27.5° | 1273.1 | 1277.6 | 1282.2 | 1288.3 | 1292.3 | 1293.3 | 1298.9 | 1298.9 | 1301.9 | 1303.5 | 1304.5 |
| 30°   | 1354.6 | 1356.1 | 1367.8 | 1373.8 | 1372.3 | 1379.4 | 1387.0 | 1386.5 | 1390.1 | 1391.1 | 1393.6 |
| 32.5° | 1473.1 | 1473.1 | 1483.2 | 1490.8 | 1498.9 | 1496.4 | 1508.0 | 1506.0 | 1511.6 | 1514.6 | 1513.1 |
| 35°   | 1616.9 | 1622.0 | 1629.6 | 1634.1 | 1642.7 | 1647.3 | 1655.4 | 1660.0 | 1662.5 | 1662.0 | 1656.4 |
| 37.5° | 1765.3 | 1773.4 | 1776.4 | 1787.6 | 1796.2 | 1803.8 | 1804.8 | 1799.7 | 1801.8 | 1791.6 | 1788.6 |
| 40°   | 1934.9 | 1946.6 | 1953.7 | 1970.4 | 1969.4 | 1979.0 | 1980.0 | 1965.3 | 1962.8 | 1949.6 | 1935.9 |
| 42.5° | 2171.9 | 2188.1 | 2193.7 | 2206.4 | 2196.2 | 2200.8 | 2175.5 | 2169.4 | 2149.1 | 2127.9 | 2097.0 |
| 45°   | 2491.5 | 2483.4 | 2486.9 | 2483.4 | 2456.5 | 2436.8 | 2416.0 | 2386.1 | 2356.3 | 2315.2 | 2271.2 |
| 47.5° | 2772.5 | 2776.6 | 2750.2 | 2733.5 | 2690.0 | 2662.1 | 2624.1 | 2572.0 | 2535.5 | 2480.3 | 2422.1 |
| 50°   | 3045.5 | 3000.4 | 2963.4 | 2924.9 | 2886.4 | 2835.3 | 2778.1 | 2732.0 | 2678.8 | 2610.0 | 2538.6 |
| 52.5° | 3267.3 | 3209.0 | 3164.5 | 3109.8 | 3057.6 | 3000.9 | 2941.1 | 2874.3 | 2804.4 | 2735.5 | 2647.4 |
| 55°   | 3660.2 | 3575.7 | 3518.4 | 3422.7 | 3363.5 | 3284.0 | 3237.4 | 3150.8 | 3053.6 | 2962.4 | 2868.7 |
| 57.5° | 4503.4 | 4376.8 | 4311.4 | 4257.3 | 4165.1 | 4034.4 | 3951.4 | 3809.1 | 3670.3 | 3573.1 | 3417.2 |
| 60°   | 5773.4 | 5644.8 | 5536.4 | 5408.3 | 5267.0 | 5089.8 | 5010.8 | 4843.2 | 4644.7 | 4484.1 | 4278.0 |
| 62.5° | 6564.9 | 6387.2 | 6211.4 | 6031.7 | 5889.9 | 5751.1 | 5587.6 | 5418.4 | 5221.9 | 5003.7 | 4778.3 |
| 65°   | 6596.8 | 6383.6 | 6173.5 | 5990.1 | 5824.0 | 5643.8 | 5490.3 | 5318.7 | 5112.1 | 4887.2 | 4653.3 |
| 67.5° | 6265.6 | 6027.1 | 5801.8 | 5600.7 | 5410.8 | 5243.7 | 5083.2 | 4921.6 | 4700.4 | 4512.0 | 4272.5 |
| 70°   | 5605.8 | 5388.0 | 5184.0 | 4955.1 | 4809.7 | 4621.9 | 4465.4 | 4295.2 | 4136.7 | 3960.5 | 3736.2 |
| 72.5° | 4117.5 | 3953.4 | 3720.5 | 3623.3 | 3545.3 | 3346.3 | 3229.8 | 3215.6 | 3114.3 | 2903.2 | 2735.5 |
| 75°   | 1531.3 | 1303.5 | 1234.6 | 1275.6 | 1207.2 | 1230.0 | 1221.4 | 1172.8 | 1174.8 | 1138.9 | 1096.3 |
| 77.5° | 299.8  | 278.5  | 261.8  | 266.4  | 247.6  | 239.5  | 256.7  | 251.7  | 242.6  | 245.1  | 241.0  |
| 80°   | 204.1  | 172.7  | 156.5  | 150.4  | 142.8  | 139.3  | 138.2  | 136.7  | 133.7  | 132.2  | 127.6  |
| 82.5° | 201.0  | 149.4  | 118.0  | 101.3  | 95.2   | 92.2   | 89.6   | 89.1   | 88.1   | 87.6   | 89.1   |
| 85°   | 80.0   | 64.8   | 59.2   | 54.2   | 52.7   | 51.1   | 51.1   | 50.6   | 50.1   | 51.1   | 53.2   |
| 87.5° | 39.0   | 32.9   | 29.9   | 27.3   | 26.3   | 25.8   | 25.8   | 26.3   | 26.8   | 28.9   | 32.9   |
| 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: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 96°    | 97°    | 98°    | 99°    | 100°   | 101°   | 102°   | 103°   | 104°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  |
| 2.5°  | 811.2  | 811.8  | 810.7  | 811.2  | 810.7  | 809.7  | 809.2  | 810.7  | 810.2  | 809.7  | 809.7  |
| 5°    | 832.0  | 834.0  | 833.0  | 832.0  | 832.0  | 831.5  | 831.5  | 831.5  | 831.0  | 831.5  | 830.0  |
| 7.5°  | 868.0  | 867.5  | 867.5  | 866.4  | 865.4  | 866.4  | 865.9  | 864.4  | 864.9  | 863.9  | 862.4  |
| 10°   | 914.0  | 912.5  | 915.1  | 915.1  | 913.0  | 912.5  | 911.5  | 910.0  | 910.0  | 908.5  | 908.5  |
| 12.5° | 968.7  | 967.2  | 970.8  | 968.2  | 965.2  | 964.7  | 961.6  | 960.6  | 962.1  | 961.6  | 960.6  |
| 15°   | 1024.4 | 1024.9 | 1026.5 | 1026.0 | 1022.4 | 1022.4 | 1018.4 | 1018.9 | 1015.8 | 1014.8 | 1012.3 |
| 17.5° | 1078.6 | 1079.1 | 1077.6 | 1077.6 | 1075.1 | 1073.6 | 1069.0 | 1069.5 | 1067.5 | 1063.4 | 1060.4 |
| 20°   | 1127.2 | 1126.7 | 1123.2 | 1126.2 | 1121.2 | 1120.1 | 1116.1 | 1112.0 | 1113.1 | 1109.0 | 1102.9 |
| 22.5° | 1174.8 | 1173.8 | 1172.8 | 1171.3 | 1168.8 | 1167.7 | 1163.2 | 1162.7 | 1157.6 | 1151.5 | 1146.5 |
| 25°   | 1230.0 | 1229.5 | 1228.0 | 1228.5 | 1223.4 | 1224.0 | 1215.9 | 1213.8 | 1210.8 | 1204.2 | 1200.2 |
| 27.5° | 1301.4 | 1301.4 | 1297.4 | 1295.9 | 1294.3 | 1292.3 | 1285.2 | 1280.2 | 1272.6 | 1265.0 | 1256.9 |
| 30°   | 1389.0 | 1388.0 | 1387.0 | 1383.0 | 1377.4 | 1374.4 | 1361.7 | 1353.6 | 1343.5 | 1329.3 | 1317.1 |
| 32.5° | 1514.1 | 1505.5 | 1498.4 | 1489.3 | 1480.2 | 1470.6 | 1450.8 | 1437.1 | 1420.9 | 1398.2 | 1378.9 |
| 35°   | 1653.4 | 1638.7 | 1631.1 | 1612.4 | 1595.1 | 1575.9 | 1552.1 | 1524.2 | 1502.0 | 1472.1 | 1440.7 |
| 37.5° | 1768.3 | 1757.2 | 1736.9 | 1715.7 | 1691.4 | 1654.9 | 1628.1 | 1598.2 | 1559.2 | 1526.3 | 1488.3 |
| 40°   | 1910.1 | 1884.8 | 1855.9 | 1820.5 | 1787.1 | 1746.0 | 1709.1 | 1666.0 | 1618.4 | 1570.8 | 1521.2 |
| 42.5° | 2059.0 | 2020.0 | 1972.4 | 1931.4 | 1880.7 | 1827.1 | 1779.0 | 1720.7 | 1660.0 | 1596.2 | 1529.8 |
| 45°   | 2210.9 | 2162.8 | 2099.5 | 2041.3 | 1970.9 | 1903.5 | 1834.7 | 1755.2 | 1672.1 | 1587.0 | 1503.5 |
| 47.5° | 2350.2 | 2279.8 | 2207.9 | 2129.4 | 2048.4 | 1961.8 | 1864.0 | 1759.7 | 1650.3 | 1538.4 | 1434.1 |
| 50°   | 2459.6 | 2371.4 | 2280.8 | 2190.2 | 2090.9 | 1978.5 | 1855.4 | 1719.2 | 1584.5 | 1450.3 | 1330.3 |
| 52.5° | 2556.3 | 2457.5 | 2346.1 | 2233.7 | 2111.2 | 1972.9 | 1819.0 | 1658.4 | 1494.4 | 1346.0 | 1211.3 |
| 55°   | 2743.6 | 2619.6 | 2472.7 | 2327.9 | 2172.9 | 1998.7 | 1806.8 | 1610.3 | 1421.4 | 1259.9 | 1116.6 |
| 57.5° | 3252.6 | 3085.0 | 2857.6 | 2656.5 | 2460.1 | 2206.4 | 1935.9 | 1693.9 | 1453.4 | 1262.4 | 1102.9 |
| 60°   | 4054.2 | 3781.2 | 3521.0 | 3214.6 | 2896.6 | 2548.7 | 2186.1 | 1860.0 | 1566.8 | 1327.3 | 1135.3 |
| 62.5° | 4519.1 | 4230.9 | 3896.2 | 3525.0 | 3112.8 | 2689.0 | 2272.7 | 1891.9 | 1570.3 | 1309.5 | 1096.9 |
| 65°   | 4393.5 | 4103.8 | 3735.7 | 3355.9 | 2917.3 | 2483.9 | 2070.6 | 1705.0 | 1393.1 | 1152.0 | 948.5  |
| 67.5° | 4020.8 | 3717.9 | 3372.1 | 2950.8 | 2531.5 | 2129.9 | 1753.1 | 1408.8 | 1132.8 | 908.0  | 728.2  |
| 70°   | 3478.4 | 3209.0 | 2875.8 | 2487.4 | 2080.8 | 1719.7 | 1402.2 | 1091.8 | 858.3  | 652.2  | 510.4  |
| 72.5° | 2581.6 | 2343.1 | 2135.0 | 1810.4 | 1512.6 | 1229.5 | 970.8  | 759.6  | 558.6  | 422.3  | 325.1  |
| 75°   | 1083.7 | 1003.2 | 969.2  | 850.2  | 739.3  | 606.2  | 456.3  | 363.6  | 294.7  | 250.7  | 199.0  |
| 77.5° | 262.8  | 262.8  | 247.1  | 231.4  | 212.7  | 192.4  | 170.1  | 151.9  | 142.8  | 134.7  | 128.1  |
| 80°   | 127.6  | 126.6  | 122.5  | 122.0  | 118.5  | 113.9  | 111.4  | 107.9  | 106.3  | 104.3  | 103.3  |
| 82.5° | 89.6   | 89.1   | 87.6   | 89.6   | 89.1   | 91.2   | 92.2   | 92.7   | 92.7   | 93.2   | 93.7   |
| 85°   | 56.7   | 58.7   | 62.8   | 67.9   | 72.4   | 78.0   | 83.0   | 87.1   | 90.1   | 92.7   | 94.7   |
| 87.5° | 36.0   | 41.0   | 44.1   | 51.7   | 59.2   | 67.9   | 77.5   | 81.5   | 85.1   | 85.6   | 82.5   |
| 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: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

**CANDELA DISTRIBUTION (continued):**

|       | 106°   | 107°   | 108°   | 109°   | 110°   | 115°   | 125°  | 135°  | 145°  | 155°  | 165°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7  | 805.7 | 805.7 | 805.7 | 805.7 | 805.7 |
| 2.5°  | 809.7  | 809.2  | 810.2  | 809.2  | 809.2  | 808.7  | 807.2 | 805.7 | 804.2 | 803.6 | 802.1 |
| 5°    | 829.5  | 829.5  | 830.5  | 828.5  | 829.0  | 826.9  | 822.4 | 817.3 | 812.8 | 808.7 | 804.2 |
| 7.5°  | 862.9  | 861.4  | 861.9  | 861.4  | 860.4  | 856.3  | 846.2 | 833.5 | 821.4 | 808.7 | 798.6 |
| 10°   | 907.5  | 904.4  | 904.4  | 903.4  | 901.9  | 896.3  | 875.0 | 849.7 | 824.4 | 801.6 | 784.9 |
| 12.5° | 957.1  | 957.6  | 953.5  | 951.0  | 948.5  | 936.8  | 904.9 | 864.4 | 824.4 | 787.9 | 761.1 |
| 15°   | 1008.7 | 1008.2 | 1003.7 | 1002.2 | 996.6  | 979.4  | 931.3 | 872.0 | 814.8 | 761.1 | 721.1 |
| 17.5° | 1055.3 | 1053.3 | 1048.7 | 1045.7 | 1039.6 | 1016.8 | 949.0 | 868.5 | 789.5 | 719.1 | 668.9 |
| 20°   | 1097.9 | 1095.3 | 1091.3 | 1085.7 | 1079.6 | 1046.7 | 955.6 | 850.2 | 749.5 | 668.9 | 618.3 |
| 22.5° | 1141.9 | 1136.3 | 1131.8 | 1124.2 | 1117.6 | 1073.6 | 951.0 | 817.8 | 703.9 | 613.2 | 559.1 |
| 25°   | 1191.0 | 1184.5 | 1174.8 | 1165.7 | 1155.6 | 1095.3 | 938.3 | 777.3 | 649.2 | 553.0 | 498.3 |
| 27.5° | 1244.2 | 1234.6 | 1221.9 | 1210.3 | 1194.1 | 1111.5 | 916.6 | 732.2 | 589.4 | 493.2 | 436.5 |
| 30°   | 1300.4 | 1282.7 | 1267.0 | 1249.3 | 1228.5 | 1119.1 | 885.2 | 676.5 | 523.6 | 432.5 | 375.7 |
| 32.5° | 1355.1 | 1331.3 | 1308.0 | 1282.2 | 1253.8 | 1116.1 | 840.6 | 610.7 | 457.8 | 375.7 | 328.1 |
| 35°   | 1410.8 | 1376.4 | 1344.0 | 1309.0 | 1274.6 | 1100.9 | 779.3 | 537.8 | 395.5 | 328.7 | 294.2 |
| 37.5° | 1448.8 | 1405.8 | 1362.7 | 1320.7 | 1279.2 | 1068.0 | 697.8 | 456.3 | 339.3 | 294.7 | 269.9 |
| 40°   | 1468.0 | 1415.4 | 1362.7 | 1310.5 | 1259.4 | 1013.3 | 602.6 | 381.8 | 299.3 | 269.4 | 251.7 |
| 42.5° | 1462.5 | 1397.1 | 1331.8 | 1270.0 | 1207.2 | 926.2  | 499.3 | 320.5 | 271.4 | 249.7 | 234.0 |
| 45°   | 1416.4 | 1338.4 | 1264.0 | 1198.6 | 1120.1 | 814.3  | 410.2 | 282.6 | 250.2 | 233.4 | 218.8 |
| 47.5° | 1329.8 | 1242.7 | 1151.5 | 1077.6 | 1004.2 | 684.6  | 341.3 | 258.8 | 231.4 | 217.7 | 203.1 |
| 50°   | 1219.4 | 1118.6 | 1027.5 | 947.5  | 875.6  | 563.6  | 294.2 | 238.5 | 216.2 | 204.6 | 188.9 |
| 52.5° | 1097.9 | 989.5  | 906.4  | 822.4  | 752.0  | 470.4  | 261.3 | 216.2 | 201.5 | 189.4 | 176.7 |
| 55°   | 997.1  | 896.8  | 812.3  | 727.7  | 656.8  | 411.7  | 234.0 | 199.0 | 187.9 | 175.2 | 165.1 |
| 57.5° | 970.3  | 855.8  | 763.6  | 683.6  | 610.7  | 375.7  | 214.2 | 183.3 | 175.7 | 166.1 | 155.0 |
| 60°   | 981.4  | 855.3  | 752.0  | 664.4  | 587.9  | 346.9  | 199.5 | 172.7 | 166.6 | 158.0 | 146.3 |
| 62.5° | 941.4  | 808.2  | 703.9  | 610.7  | 538.3  | 310.4  | 188.9 | 167.6 | 163.6 | 151.9 | 138.8 |
| 65°   | 802.1  | 680.1  | 579.8  | 499.3  | 437.0  | 261.3  | 180.3 | 172.2 | 168.1 | 147.9 | 133.7 |
| 67.5° | 610.7  | 508.9  | 428.4  | 368.1  | 323.1  | 216.2  | 178.3 | 187.4 | 179.3 | 149.9 | 132.2 |
| 70°   | 422.3  | 345.4  | 293.7  | 257.2  | 228.9  | 182.3  | 184.8 | 204.1 | 192.4 | 156.5 | 140.8 |
| 72.5° | 267.9  | 223.8  | 198.5  | 184.8  | 171.2  | 153.9  | 183.3 | 202.1 | 186.4 | 157.5 | 140.8 |
| 75°   | 171.7  | 153.4  | 144.8  | 139.8  | 135.7  | 134.2  | 161.5 | 166.1 | 149.9 | 136.7 | 131.2 |
| 77.5° | 121.5  | 118.5  | 117.0  | 116.5  | 117.0  | 120.5  | 133.7 | 125.1 | 108.9 | 109.4 | 112.4 |
| 80°   | 102.8  | 102.8  | 101.8  | 102.3  | 103.3  | 104.8  | 106.8 | 92.2  | 83.6  | 90.1  | 100.3 |
| 82.5° | 94.2   | 95.7   | 96.7   | 97.7   | 99.3   | 97.2   | 90.6  | 69.9  | 67.4  | 87.6  | 98.2  |
| 85°   | 95.7   | 95.7   | 96.2   | 97.2   | 97.7   | 87.6   | 75.5  | 52.7  | 51.7  | 98.2  | 92.7  |
| 87.5° | 82.0   | 81.0   | 77.5   | 74.9   | 71.4   | 60.3   | 50.1  | 29.4  | 30.4  | 60.8  | 64.8  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P145098

CATALOG NUMBER: RDG-E03-LED-E-U-SL2-8030

**CANDELA DISTRIBUTION (continued):**

|       | 175°  | 180°  |
|-------|-------|-------|
| 0°    | 805.7 | 805.7 |
| 2.5°  | 801.6 | 801.6 |
| 5°    | 801.6 | 801.6 |
| 7.5°  | 795.0 | 793.0 |
| 10°   | 775.8 | 773.3 |
| 12.5° | 746.4 | 743.9 |
| 15°   | 701.4 | 698.3 |
| 17.5° | 645.1 | 640.1 |
| 20°   | 586.4 | 579.3 |
| 22.5° | 527.7 | 522.1 |
| 25°   | 467.4 | 462.3 |
| 27.5° | 408.2 | 403.1 |
| 30°   | 353.5 | 351.4 |
| 32.5° | 313.0 | 310.9 |
| 35°   | 283.1 | 282.1 |
| 37.5° | 262.8 | 261.8 |
| 40°   | 245.1 | 244.1 |
| 42.5° | 228.9 | 227.4 |
| 45°   | 212.7 | 213.2 |
| 47.5° | 196.5 | 196.0 |
| 50°   | 182.3 | 182.3 |
| 52.5° | 170.7 | 170.1 |
| 55°   | 160.0 | 159.5 |
| 57.5° | 149.4 | 148.9 |
| 60°   | 140.3 | 138.8 |
| 62.5° | 131.7 | 130.6 |
| 65°   | 126.1 | 125.6 |
| 67.5° | 122.0 | 120.5 |
| 70°   | 121.0 | 117.0 |
| 72.5° | 118.0 | 112.9 |
| 75°   | 110.9 | 108.4 |
| 77.5° | 97.7  | 94.7  |
| 80°   | 75.5  | 69.9  |
| 82.5° | 63.3  | 54.7  |
| 85°   | 46.6  | 43.0  |
| 87.5° | 33.9  | 26.8  |
| 90°   | 0.0   | 0.0   |

(END OF REPORT)