

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: P145115

Luminaire Tested: **RDG-F04-LED-E-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145115  
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-F04-LED-E-U-SL2  
Description: RIDGEVIEW LED AREA ROADWAY 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: 9668.5 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 102.2  
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

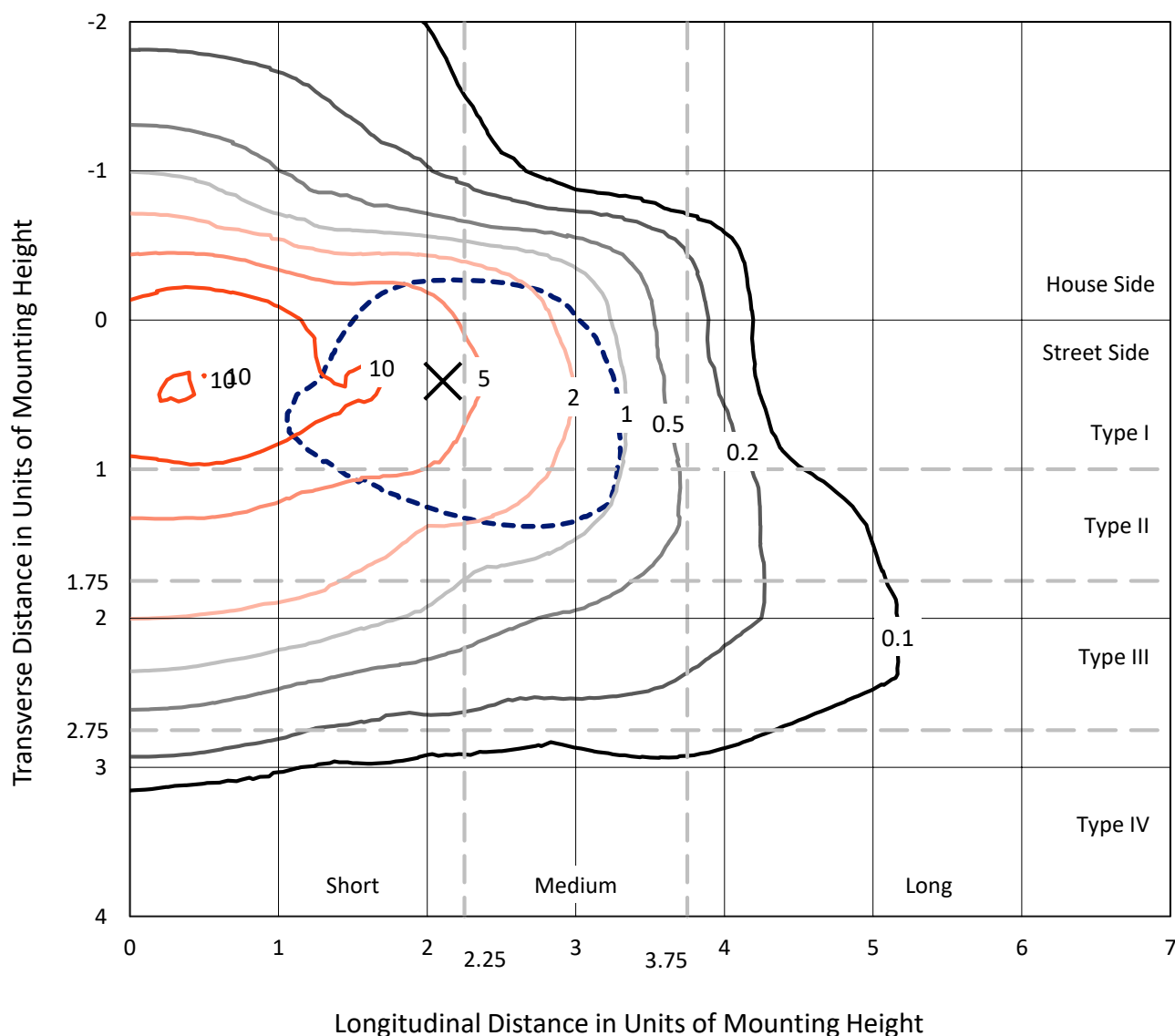


REPORT NUMBER: P145115

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

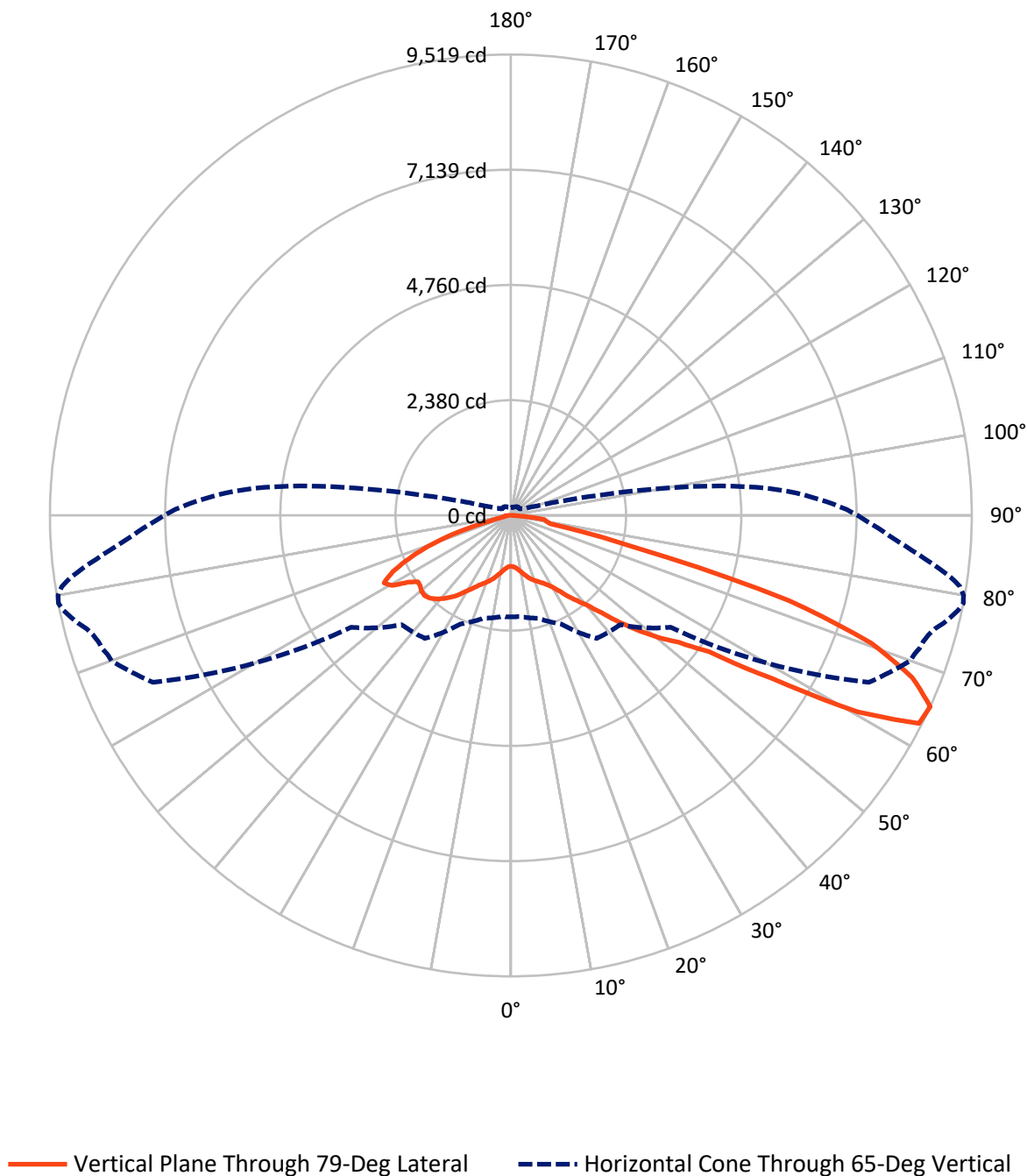


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P145115

CATALOG NUMBER: RDG-F04-LED-E-U-SL2

## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2194.6   | 0.0    | 2194.6 |
|                    | % Fixture | 22.7     | 0.0    | 22.7   |
| <b>Street Side</b> | Lumens    | 7473.9   | 0.0    | 7473.9 |
|                    | % Fixture | 77.3     | 0.0    | 77.3   |
| <b>Total</b>       | Lumens    | 9668.5   | 0.0    | 9668.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 104.3  | 1.1       |
| 10°-20°   | 339.5  | 3.5       |
| 20°-30°   | 585.3  | 6.1       |
| 30°-40°   | 954.5  | 9.9       |
| 40°-50°   | 1593.4 | 16.5      |
| 50°-60°   | 2154.6 | 22.3      |
| 60°-70°   | 2676.7 | 27.7      |
| 70°-80°   | 1071.8 | 11.1      |
| 80°-90°   | 188.3  | 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°    | 9668.5 | 100.0     |
| 0°-180°   | 9668.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P145115

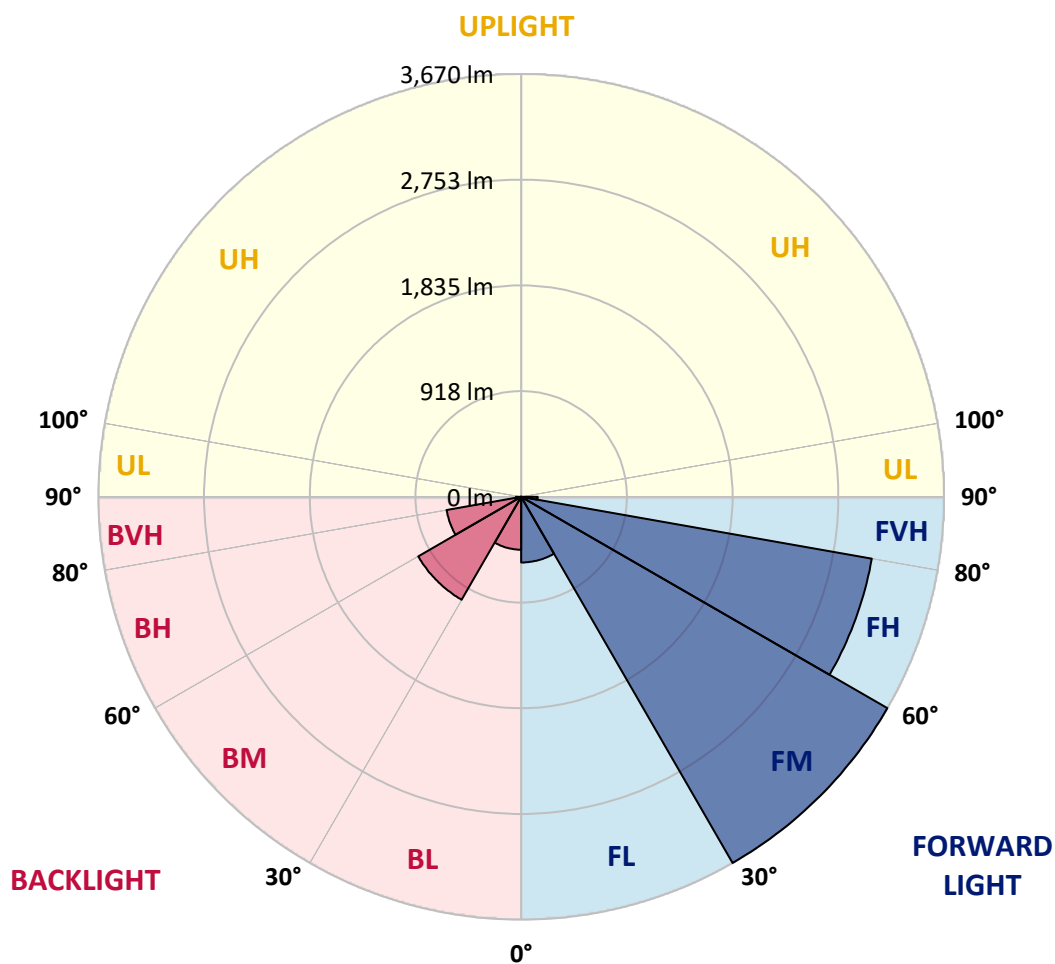
CATALOG NUMBER: RDG-F04-LED-E-U-SL2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 570.1  | 5.9       |                         |      |         |
| FM   | (30°-60°)   | 3670.3 | 38.0      |                         |      |         |
| FH   | (60°-80°)   | 3090.6 | 32.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 142.8  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 459.0  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1032.2 | 10.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 657.9  | 6.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 45.5   | 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: P145115

CATALOG NUMBER: RDG-F04-LED-E-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 71°    | 72°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 |
| 2.5°  | 1058.7 | 1058.0 | 1061.3 | 1063.9 | 1063.9 | 1065.3 | 1064.6 | 1060.6 | 1061.3 | 1062.6 | 1061.3 |
| 5°    | 1070.5 | 1067.9 | 1071.2 | 1075.2 | 1077.8 | 1081.1 | 1084.4 | 1085.1 | 1087.7 | 1087.7 | 1087.1 |
| 7.5°  | 1096.3 | 1094.3 | 1098.9 | 1100.3 | 1106.2 | 1111.5 | 1118.1 | 1122.7 | 1125.4 | 1126.7 | 1128.7 |
| 10°   | 1140.5 | 1139.2 | 1140.5 | 1143.2 | 1145.8 | 1151.8 | 1163.0 | 1172.9 | 1178.8 | 1178.8 | 1181.5 |
| 12.5° | 1194.0 | 1188.8 | 1190.1 | 1184.8 | 1186.1 | 1198.7 | 1211.9 | 1228.4 | 1238.3 | 1239.6 | 1240.9 |
| 15°   | 1235.6 | 1233.0 | 1231.0 | 1223.8 | 1229.0 | 1245.6 | 1266.0 | 1289.8 | 1298.4 | 1305.7 | 1305.0 |
| 17.5° | 1274.6 | 1271.3 | 1266.7 | 1256.8 | 1262.1 | 1288.5 | 1319.5 | 1345.9 | 1360.5 | 1361.8 | 1363.1 |
| 20°   | 1320.8 | 1316.9 | 1308.3 | 1287.8 | 1286.5 | 1323.5 | 1365.1 | 1393.5 | 1406.7 | 1412.6 | 1414.6 |
| 22.5° | 1379.6 | 1374.3 | 1358.5 | 1318.9 | 1308.3 | 1351.9 | 1401.4 | 1436.4 | 1450.3 | 1456.2 | 1459.5 |
| 25°   | 1454.9 | 1444.3 | 1419.2 | 1357.2 | 1335.4 | 1380.9 | 1440.4 | 1482.6 | 1501.8 | 1507.7 | 1511.7 |
| 27.5° | 1522.9 | 1515.0 | 1484.6 | 1411.3 | 1373.7 | 1419.9 | 1487.9 | 1542.1 | 1568.5 | 1575.8 | 1581.7 |
| 30°   | 1602.2 | 1591.0 | 1566.5 | 1488.6 | 1438.4 | 1479.3 | 1565.9 | 1634.5 | 1666.9 | 1667.6 | 1680.8 |
| 32.5° | 1788.4 | 1781.2 | 1758.7 | 1672.8 | 1588.3 | 1591.0 | 1671.5 | 1766.0 | 1798.3 | 1803.6 | 1815.5 |
| 35°   | 2064.5 | 2061.8 | 2061.2 | 2013.6 | 1950.9 | 1886.2 | 1892.1 | 1964.1 | 1985.9 | 1994.5 | 1998.4 |
| 37.5° | 2246.1 | 2269.2 | 2325.3 | 2359.7 | 2343.8 | 2357.7 | 2285.1 | 2197.2 | 2184.7 | 2175.4 | 2179.4 |
| 40°   | 2402.6 | 2423.1 | 2536.7 | 2695.2 | 2791.6 | 2859.6 | 2795.6 | 2526.1 | 2425.7 | 2396.7 | 2385.4 |
| 42.5° | 2495.1 | 2518.2 | 2680.6 | 2934.2 | 3179.9 | 3341.1 | 3358.2 | 2983.8 | 2728.9 | 2725.6 | 2683.3 |
| 45°   | 2545.3 | 2568.4 | 2762.5 | 3104.0 | 3451.4 | 3741.9 | 3892.5 | 3547.1 | 3172.7 | 3144.9 | 3086.1 |
| 47.5° | 2535.4 | 2557.1 | 2759.2 | 3166.7 | 3611.8 | 4008.1 | 4309.2 | 4116.4 | 3684.5 | 3617.8 | 3536.5 |
| 50°   | 2414.5 | 2430.3 | 2642.3 | 3064.3 | 3568.9 | 4119.0 | 4594.5 | 4638.8 | 4263.7 | 4173.2 | 4051.7 |
| 52.5° | 2289.7 | 2318.1 | 2493.7 | 2882.7 | 3374.1 | 4050.4 | 4764.9 | 5114.3 | 4804.6 | 4742.5 | 4586.6 |
| 55°   | 2222.3 | 2244.8 | 2388.1 | 2720.3 | 3168.7 | 3815.9 | 4835.6 | 5562.7 | 5461.7 | 5436.6 | 5326.3 |
| 57.5° | 2219.7 | 2241.5 | 2355.7 | 2621.9 | 3001.6 | 3571.6 | 4856.1 | 6255.5 | 6552.0 | 6558.6 | 6526.9 |
| 60°   | 2328.0 | 2350.4 | 2446.2 | 2669.4 | 2950.1 | 3362.2 | 4782.8 | 7238.2 | 7893.3 | 7951.5 | 8048.5 |
| 62.5° | 2343.2 | 2353.7 | 2469.3 | 2770.5 | 3137.7 | 3205.7 | 4480.9 | 8056.5 | 8815.3 | 8868.8 | 8922.3 |
| 65°   | 2096.2 | 2095.5 | 2197.9 | 2475.3 | 3098.7 | 3189.8 | 4027.2 | 8156.8 | 8778.3 | 8810.7 | 8877.4 |
| 67.5° | 1563.2 | 1550.0 | 1608.1 | 1861.7 | 2458.7 | 3193.8 | 3489.7 | 7399.3 | 8094.1 | 8155.5 | 8178.0 |
| 70°   | 805.7  | 826.2  | 865.8  | 1021.0 | 1561.2 | 2571.0 | 2997.6 | 6242.9 | 7105.5 | 7128.6 | 7208.5 |
| 72.5° | 330.9  | 322.3  | 349.4  | 429.3  | 781.3  | 1699.3 | 2479.9 | 4926.7 | 5868.5 | 5852.6 | 5867.2 |
| 75°   | 184.3  | 186.9  | 194.8  | 223.9  | 379.7  | 853.3  | 2130.5 | 3487.7 | 3990.9 | 3717.5 | 3635.0 |
| 77.5° | 147.9  | 149.3  | 149.9  | 155.2  | 207.4  | 455.0  | 1635.2 | 2296.9 | 2007.0 | 1863.7 | 1808.9 |
| 80°   | 108.3  | 115.6  | 123.5  | 124.8  | 142.7  | 258.2  | 896.9  | 1933.7 | 1694.0 | 1575.1 | 1477.4 |
| 82.5° | 87.2   | 90.5   | 107.6  | 110.3  | 113.6  | 153.9  | 406.2  | 1816.2 | 1687.4 | 1565.9 | 1431.1 |
| 85°   | 52.2   | 58.1   | 87.8   | 88.5   | 89.8   | 93.8   | 224.5  | 739.7  | 920.0  | 813.0  | 744.3  |
| 87.5° | 18.5   | 23.8   | 43.6   | 36.3   | 46.2   | 38.3   | 98.4   | 247.7  | 305.1  | 289.9  | 256.9  |
| 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: P145115

CATALOG NUMBER: RDG-F04-LED-E-U-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 |
| 2.5°  | 1060.6 | 1060.6 | 1062.0 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1060.0 | 1060.0 | 1058.0 | 1059.3 |
| 5°    | 1087.1 | 1086.4 | 1087.1 | 1087.7 | 1087.1 | 1088.4 | 1087.7 | 1087.1 | 1087.7 | 1087.1 | 1087.7 |
| 7.5°  | 1129.3 | 1126.0 | 1130.6 | 1128.0 | 1127.3 | 1131.3 | 1129.3 | 1131.3 | 1132.0 | 1131.3 | 1130.6 |
| 10°   | 1182.8 | 1184.8 | 1184.8 | 1184.8 | 1183.5 | 1187.4 | 1188.1 | 1189.4 | 1190.1 | 1192.7 | 1192.7 |
| 12.5° | 1244.2 | 1244.9 | 1247.5 | 1246.9 | 1248.2 | 1252.8 | 1256.1 | 1256.8 | 1257.4 | 1259.4 | 1256.8 |
| 15°   | 1310.3 | 1311.6 | 1311.6 | 1317.5 | 1315.6 | 1322.2 | 1324.1 | 1324.1 | 1324.8 | 1332.7 | 1333.4 |
| 17.5° | 1369.1 | 1369.1 | 1374.3 | 1374.3 | 1379.6 | 1380.9 | 1386.9 | 1387.5 | 1390.2 | 1397.4 | 1398.1 |
| 20°   | 1418.6 | 1421.2 | 1424.5 | 1428.5 | 1430.5 | 1434.4 | 1438.4 | 1442.4 | 1445.7 | 1451.6 | 1452.3 |
| 22.5° | 1465.5 | 1468.1 | 1473.4 | 1476.0 | 1480.7 | 1483.3 | 1486.6 | 1491.2 | 1496.5 | 1504.4 | 1506.4 |
| 25°   | 1519.6 | 1522.3 | 1528.2 | 1532.2 | 1537.5 | 1541.4 | 1547.4 | 1553.3 | 1556.6 | 1564.5 | 1570.5 |
| 27.5° | 1588.3 | 1596.2 | 1604.2 | 1606.1 | 1610.1 | 1619.3 | 1627.3 | 1635.2 | 1642.5 | 1646.4 | 1653.7 |
| 30°   | 1688.7 | 1688.7 | 1705.2 | 1705.2 | 1712.5 | 1721.1 | 1726.3 | 1734.9 | 1748.1 | 1752.1 | 1761.3 |
| 32.5° | 1823.4 | 1826.7 | 1832.7 | 1850.5 | 1863.7 | 1867.7 | 1871.6 | 1884.2 | 1892.1 | 1902.0 | 1913.2 |
| 35°   | 2015.6 | 2018.9 | 2022.2 | 2039.4 | 2054.6 | 2058.5 | 2062.5 | 2070.4 | 2083.6 | 2100.8 | 2095.5 |
| 37.5° | 2188.0 | 2190.0 | 2200.5 | 2219.7 | 2228.3 | 2238.8 | 2242.1 | 2256.7 | 2263.9 | 2279.8 | 2280.4 |
| 40°   | 2395.3 | 2390.7 | 2396.7 | 2418.5 | 2431.7 | 2431.0 | 2441.6 | 2468.0 | 2473.3 | 2480.5 | 2499.0 |
| 42.5° | 2684.6 | 2667.4 | 2685.9 | 2693.2 | 2713.0 | 2725.6 | 2746.7 | 2764.5 | 2777.1 | 2804.8 | 2818.0 |
| 45°   | 3058.4 | 3040.6 | 3055.8 | 3059.1 | 3100.0 | 3112.6 | 3144.3 | 3168.0 | 3195.1 | 3226.8 | 3236.1 |
| 47.5° | 3484.4 | 3451.4 | 3432.9 | 3453.3 | 3502.2 | 3522.7 | 3553.7 | 3576.2 | 3604.6 | 3621.1 | 3615.8 |
| 50°   | 3977.7 | 3898.5 | 3861.5 | 3850.9 | 3885.9 | 3915.0 | 3963.2 | 3973.7 | 3987.0 | 3986.3 | 3987.0 |
| 52.5° | 4527.8 | 4445.3 | 4368.0 | 4314.5 | 4309.2 | 4348.2 | 4360.1 | 4362.7 | 4358.8 | 4329.1 | 4310.6 |
| 55°   | 5246.4 | 5240.4 | 5159.2 | 5048.3 | 5041.0 | 5036.4 | 4967.0 | 4958.4 | 4942.6 | 4897.0 | 4834.3 |
| 57.5° | 6550.0 | 6616.1 | 6562.6 | 6560.0 | 6501.8 | 6463.5 | 6336.1 | 6272.7 | 6206.0 | 6082.5 | 5984.1 |
| 60°   | 8057.1 | 8152.9 | 8205.7 | 8228.8 | 8342.4 | 8342.4 | 8238.1 | 8148.3 | 8040.0 | 7851.7 | 7668.1 |
| 62.5° | 8964.5 | 9048.4 | 9126.3 | 9248.5 | 9393.2 | 9457.2 | 9462.5 | 9382.6 | 9245.9 | 9031.2 | 8771.7 |
| 65°   | 8907.1 | 8969.2 | 9063.6 | 9207.6 | 9327.1 | 9442.0 | 9519.3 | 9494.9 | 9390.5 | 9175.9 | 8893.2 |
| 67.5° | 8256.6 | 8347.0 | 8469.2 | 8602.0 | 8712.9 | 8821.2 | 8946.0 | 8955.3 | 8927.6 | 8723.5 | 8467.9 |
| 70°   | 7252.7 | 7369.0 | 7446.2 | 7613.3 | 7663.5 | 7773.1 | 7898.6 | 7958.7 | 7913.8 | 7756.6 | 7606.7 |
| 72.5° | 5892.3 | 5984.1 | 5997.3 | 5924.6 | 5949.7 | 5976.8 | 6007.2 | 5866.5 | 5812.4 | 5602.3 | 5505.9 |
| 75°   | 3572.9 | 3452.0 | 3350.3 | 3249.3 | 2947.5 | 2840.5 | 2676.0 | 2351.8 | 2314.8 | 2092.2 | 1937.7 |
| 77.5° | 1699.3 | 1648.4 | 1556.6 | 1402.7 | 1198.0 | 1001.9 | 831.5  | 675.6  | 617.5  | 508.5  | 433.2  |
| 80°   | 1422.5 | 1361.8 | 1279.2 | 1165.0 | 1021.7 | 879.0  | 744.3  | 628.7  | 512.5  | 417.4  | 333.5  |
| 82.5° | 1305.0 | 1199.3 | 1083.1 | 984.7  | 883.6  | 786.6  | 696.1  | 591.7  | 530.3  | 428.0  | 349.4  |
| 85°   | 659.8  | 577.9  | 468.2  | 394.3  | 332.9  | 270.8  | 234.4  | 200.1  | 178.3  | 142.0  | 123.5  |
| 87.5° | 221.2  | 181.0  | 134.7  | 114.3  | 103.0  | 88.5   | 81.2   | 77.3   | 75.3   | 66.7   | 59.4   |
| 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: P145115

CATALOG NUMBER: RDG-F04-LED-E-U-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 91°    | 92°    | 93°    | 94°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 |
| 2.5°  | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1058.7 | 1058.7 | 1058.7 | 1058.7 | 1058.7 | 1058.7 | 1059.3 |
| 5°    | 1086.4 | 1086.4 | 1087.1 | 1089.0 | 1085.1 | 1086.4 | 1087.7 | 1085.7 | 1087.7 | 1085.7 | 1088.4 |
| 7.5°  | 1130.0 | 1132.0 | 1130.6 | 1133.3 | 1132.0 | 1135.9 | 1133.3 | 1131.3 | 1132.6 | 1132.6 | 1133.3 |
| 10°   | 1191.4 | 1194.0 | 1192.1 | 1193.4 | 1193.4 | 1196.0 | 1192.7 | 1193.4 | 1194.0 | 1192.7 | 1193.4 |
| 12.5° | 1259.4 | 1260.7 | 1260.1 | 1264.0 | 1262.1 | 1264.0 | 1262.1 | 1264.7 | 1266.0 | 1267.3 | 1267.3 |
| 15°   | 1333.4 | 1334.7 | 1338.7 | 1338.0 | 1342.0 | 1340.7 | 1341.3 | 1338.0 | 1344.6 | 1340.7 | 1342.0 |
| 17.5° | 1401.4 | 1400.8 | 1406.0 | 1408.0 | 1408.7 | 1409.3 | 1411.3 | 1408.7 | 1409.3 | 1411.3 | 1410.0 |
| 20°   | 1454.2 | 1458.9 | 1460.2 | 1465.5 | 1469.4 | 1470.8 | 1470.1 | 1472.1 | 1474.7 | 1472.1 | 1472.1 |
| 22.5° | 1510.4 | 1517.0 | 1519.0 | 1522.3 | 1526.2 | 1526.9 | 1530.9 | 1532.8 | 1534.2 | 1533.5 | 1534.2 |
| 25°   | 1577.7 | 1582.4 | 1587.0 | 1593.6 | 1598.2 | 1598.9 | 1602.2 | 1604.8 | 1605.5 | 1604.8 | 1608.8 |
| 27.5° | 1660.3 | 1666.2 | 1672.2 | 1680.1 | 1685.4 | 1686.7 | 1694.0 | 1694.0 | 1697.9 | 1699.9 | 1701.2 |
| 30°   | 1766.6 | 1768.6 | 1783.8 | 1791.7 | 1789.7 | 1799.0 | 1808.9 | 1808.2 | 1812.9 | 1814.2 | 1817.5 |
| 32.5° | 1921.2 | 1921.2 | 1934.4 | 1944.3 | 1954.8 | 1951.5 | 1966.7 | 1964.1 | 1971.4 | 1975.3 | 1973.3 |
| 35°   | 2108.7 | 2115.3 | 2125.2 | 2131.2 | 2142.4 | 2148.3 | 2158.9 | 2164.9 | 2168.2 | 2167.5 | 2160.2 |
| 37.5° | 2302.2 | 2312.8 | 2316.8 | 2331.3 | 2342.5 | 2352.4 | 2353.7 | 2347.1 | 2349.8 | 2336.6 | 2332.6 |
| 40°   | 2523.5 | 2538.7 | 2547.9 | 2569.7 | 2568.4 | 2580.9 | 2582.2 | 2563.1 | 2559.8 | 2542.6 | 2524.8 |
| 42.5° | 2832.5 | 2853.7 | 2860.9 | 2877.4 | 2864.2 | 2870.2 | 2837.2 | 2829.2 | 2802.8 | 2775.1 | 2734.8 |
| 45°   | 3249.3 | 3238.7 | 3243.3 | 3238.7 | 3203.7 | 3177.9 | 3150.9 | 3111.9 | 3072.9 | 3019.4 | 2962.0 |
| 47.5° | 3615.8 | 3621.1 | 3586.7 | 3564.9 | 3508.2 | 3471.8 | 3422.3 | 3354.3 | 3306.7 | 3234.7 | 3158.8 |
| 50°   | 3971.8 | 3913.0 | 3864.8 | 3814.6 | 3764.4 | 3697.7 | 3623.1 | 3563.0 | 3493.6 | 3403.8 | 3310.7 |
| 52.5° | 4261.0 | 4185.1 | 4127.0 | 4055.6 | 3987.6 | 3913.6 | 3835.7 | 3748.5 | 3657.4 | 3567.6 | 3452.7 |
| 55°   | 4773.5 | 4663.2 | 4588.6 | 4463.8 | 4386.5 | 4282.8 | 4222.1 | 4109.1 | 3982.3 | 3863.5 | 3741.3 |
| 57.5° | 5873.1 | 5708.0 | 5622.8 | 5552.2 | 5432.0 | 5261.6 | 5153.3 | 4967.7 | 4786.7 | 4659.9 | 4456.5 |
| 60°   | 7529.4 | 7361.7 | 7220.4 | 7053.3 | 6869.0 | 6637.9 | 6534.9 | 6316.3 | 6057.4 | 5848.0 | 5579.2 |
| 62.5° | 8561.7 | 8329.9 | 8100.7 | 7866.3 | 7681.3 | 7500.4 | 7287.1 | 7066.5 | 6810.3 | 6525.6 | 6231.7 |
| 65°   | 8603.3 | 8325.3 | 8051.2 | 7812.1 | 7595.5 | 7360.4 | 7160.3 | 6936.4 | 6666.9 | 6373.7 | 6068.6 |
| 67.5° | 8171.4 | 7860.3 | 7566.4 | 7304.2 | 7056.6 | 6838.6 | 6629.3 | 6418.6 | 6130.0 | 5884.3 | 5572.0 |
| 70°   | 7310.8 | 7026.9 | 6760.7 | 6462.2 | 6272.7 | 6027.7 | 5823.6 | 5601.7 | 5395.0 | 5165.1 | 4872.6 |
| 72.5° | 5369.9 | 5155.9 | 4852.1 | 4725.3 | 4623.6 | 4364.1 | 4212.2 | 4193.7 | 4061.6 | 3786.2 | 3567.6 |
| 75°   | 1997.1 | 1699.9 | 1610.1 | 1663.6 | 1574.4 | 1604.2 | 1592.9 | 1529.5 | 1532.2 | 1485.3 | 1429.8 |
| 77.5° | 391.0  | 363.2  | 341.4  | 347.4  | 322.9  | 312.4  | 334.8  | 328.2  | 316.3  | 319.6  | 314.4  |
| 80°   | 266.1  | 225.2  | 204.1  | 196.1  | 186.2  | 181.6  | 180.3  | 178.3  | 174.4  | 172.4  | 166.4  |
| 82.5° | 262.2  | 194.8  | 153.9  | 132.1  | 124.2  | 120.2  | 116.9  | 116.2  | 114.9  | 114.3  | 116.2  |
| 85°   | 104.3  | 84.5   | 77.3   | 70.7   | 68.7   | 66.7   | 66.7   | 66.0   | 65.4   | 66.7   | 69.3   |
| 87.5° | 50.9   | 42.9   | 39.0   | 35.7   | 34.3   | 33.7   | 33.7   | 34.3   | 35.0   | 37.6   | 42.9   |
| 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: P145115

CATALOG NUMBER: RDG-F04-LED-E-U-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 96°    | 97°    | 98°    | 99°    | 100°   | 101°   | 102°   | 103°   | 104°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 |
| 2.5°  | 1058.0 | 1058.7 | 1057.3 | 1058.0 | 1057.3 | 1056.0 | 1055.4 | 1057.3 | 1056.7 | 1056.0 | 1056.0 |
| 5°    | 1085.1 | 1087.7 | 1086.4 | 1085.1 | 1085.1 | 1084.4 | 1084.4 | 1084.4 | 1083.7 | 1084.4 | 1082.4 |
| 7.5°  | 1132.0 | 1131.3 | 1131.3 | 1130.0 | 1128.7 | 1130.0 | 1129.3 | 1127.3 | 1128.0 | 1126.7 | 1124.7 |
| 10°   | 1192.1 | 1190.1 | 1193.4 | 1193.4 | 1190.7 | 1190.1 | 1188.8 | 1186.8 | 1186.8 | 1184.8 | 1184.8 |
| 12.5° | 1263.4 | 1261.4 | 1266.0 | 1262.7 | 1258.8 | 1258.1 | 1254.1 | 1252.8 | 1254.8 | 1254.1 | 1252.8 |
| 15°   | 1336.0 | 1336.7 | 1338.7 | 1338.0 | 1333.4 | 1333.4 | 1328.1 | 1328.8 | 1324.8 | 1323.5 | 1320.2 |
| 17.5° | 1406.7 | 1407.4 | 1405.4 | 1405.4 | 1402.1 | 1400.1 | 1394.1 | 1394.8 | 1392.2 | 1386.9 | 1382.9 |
| 20°   | 1470.1 | 1469.4 | 1464.8 | 1468.8 | 1462.2 | 1460.8 | 1455.6 | 1450.3 | 1451.6 | 1446.3 | 1438.4 |
| 22.5° | 1532.2 | 1530.9 | 1529.5 | 1527.6 | 1524.2 | 1522.9 | 1517.0 | 1516.3 | 1509.7 | 1501.8 | 1495.2 |
| 25°   | 1604.2 | 1603.5 | 1601.5 | 1602.2 | 1595.6 | 1596.2 | 1585.7 | 1583.0 | 1579.1 | 1570.5 | 1565.2 |
| 27.5° | 1697.3 | 1697.3 | 1692.0 | 1690.0 | 1688.0 | 1685.4 | 1676.1 | 1669.5 | 1659.6 | 1649.7 | 1639.2 |
| 30°   | 1811.5 | 1810.2 | 1808.9 | 1803.6 | 1796.3 | 1792.4 | 1775.9 | 1765.3 | 1752.1 | 1733.6 | 1717.8 |
| 32.5° | 1974.7 | 1963.4 | 1954.2 | 1942.3 | 1930.4 | 1917.9 | 1892.1 | 1874.3 | 1853.1 | 1823.4 | 1798.3 |
| 35°   | 2156.3 | 2137.1 | 2127.2 | 2102.8 | 2080.3 | 2055.2 | 2024.2 | 1987.9 | 1958.8 | 1919.8 | 1878.9 |
| 37.5° | 2306.2 | 2291.7 | 2265.2 | 2237.5 | 2205.8 | 2158.3 | 2123.3 | 2084.3 | 2033.4 | 1990.5 | 1941.0 |
| 40°   | 2491.1 | 2458.1 | 2420.4 | 2374.2 | 2330.6 | 2277.1 | 2228.9 | 2172.8 | 2110.7 | 2048.6 | 1983.9 |
| 42.5° | 2685.3 | 2634.4 | 2572.3 | 2518.8 | 2452.8 | 2382.8 | 2320.1 | 2244.1 | 2164.9 | 2081.6 | 1995.1 |
| 45°   | 2883.4 | 2820.7 | 2738.1 | 2662.2 | 2570.4 | 2482.5 | 2392.7 | 2289.0 | 2180.7 | 2069.8 | 1960.8 |
| 47.5° | 3065.0 | 2973.2 | 2879.4 | 2777.1 | 2671.4 | 2558.5 | 2431.0 | 2295.0 | 2152.3 | 2006.4 | 1870.3 |
| 50°   | 3207.7 | 3092.7 | 2974.5 | 2856.3 | 2726.9 | 2580.3 | 2419.8 | 2242.1 | 2066.5 | 1891.4 | 1734.9 |
| 52.5° | 3333.8 | 3205.0 | 3059.7 | 2913.1 | 2753.3 | 2573.0 | 2372.2 | 2162.9 | 1948.9 | 1755.4 | 1579.7 |
| 55°   | 3578.2 | 3416.4 | 3224.8 | 3036.0 | 2833.9 | 2606.7 | 2356.4 | 2100.1 | 1853.8 | 1643.1 | 1456.2 |
| 57.5° | 4241.9 | 4023.3 | 3726.7 | 3464.6 | 3208.3 | 2877.4 | 2524.8 | 2209.1 | 1895.4 | 1646.4 | 1438.4 |
| 60°   | 5287.3 | 4931.4 | 4591.9 | 4192.3 | 3777.6 | 3323.9 | 2851.0 | 2425.7 | 2043.3 | 1731.0 | 1480.7 |
| 62.5° | 5893.6 | 5517.8 | 5081.3 | 4597.2 | 4059.6 | 3506.8 | 2964.0 | 2467.3 | 2048.0 | 1707.8 | 1430.5 |
| 65°   | 5729.8 | 5352.0 | 4871.9 | 4376.6 | 3804.7 | 3239.4 | 2700.5 | 2223.6 | 1816.8 | 1502.5 | 1237.0 |
| 67.5° | 5243.7 | 4848.8 | 4397.7 | 3848.3 | 3301.4 | 2777.7 | 2286.4 | 1837.3 | 1477.4 | 1184.1 | 949.7  |
| 70°   | 4536.4 | 4185.1 | 3750.5 | 3244.0 | 2713.7 | 2242.8 | 1828.7 | 1423.9 | 1119.4 | 850.6  | 665.7  |
| 72.5° | 3366.8 | 3055.8 | 2784.3 | 2361.0 | 1972.7 | 1603.5 | 1266.0 | 990.6  | 728.4  | 550.8  | 424.0  |
| 75°   | 1413.3 | 1308.3 | 1264.0 | 1108.8 | 964.2  | 790.5  | 595.0  | 474.2  | 384.4  | 326.9  | 259.5  |
| 77.5° | 342.8  | 342.8  | 322.3  | 301.8  | 277.4  | 251.0  | 221.9  | 198.1  | 186.2  | 175.7  | 167.1  |
| 80°   | 166.4  | 165.1  | 159.8  | 159.2  | 154.5  | 148.6  | 145.3  | 140.7  | 138.7  | 136.0  | 134.7  |
| 82.5° | 116.9  | 116.2  | 114.3  | 116.9  | 116.2  | 118.9  | 120.2  | 120.9  | 120.9  | 121.5  | 122.2  |
| 85°   | 74.0   | 76.6   | 81.9   | 88.5   | 94.4   | 101.7  | 108.3  | 113.6  | 117.6  | 120.9  | 123.5  |
| 87.5° | 46.9   | 53.5   | 57.5   | 67.4   | 77.3   | 88.5   | 101.0  | 106.3  | 111.0  | 111.6  | 107.6  |
| 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: P145115

CATALOG NUMBER: RDG-F04-LED-E-U-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 106°   | 107°   | 108°   | 109°   | 110°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 | 1050.7 |
| 2.5°  | 1056.0 | 1055.4 | 1056.7 | 1055.4 | 1055.4 | 1054.7 | 1052.7 | 1050.7 | 1048.7 | 1048.1 | 1046.1 |
| 5°    | 1081.8 | 1081.8 | 1083.1 | 1080.4 | 1081.1 | 1078.5 | 1072.5 | 1065.9 | 1060.0 | 1054.7 | 1048.7 |
| 7.5°  | 1125.4 | 1123.4 | 1124.0 | 1123.4 | 1122.1 | 1116.8 | 1103.6 | 1087.1 | 1071.2 | 1054.7 | 1041.5 |
| 10°   | 1183.5 | 1179.5 | 1179.5 | 1178.2 | 1176.2 | 1168.9 | 1141.2 | 1108.2 | 1075.2 | 1045.4 | 1023.7 |
| 12.5° | 1248.2 | 1248.9 | 1243.6 | 1240.3 | 1237.0 | 1221.8 | 1180.2 | 1127.3 | 1075.2 | 1027.6 | 992.6  |
| 15°   | 1315.6 | 1314.9 | 1309.0 | 1307.0 | 1299.7 | 1277.3 | 1214.5 | 1137.2 | 1062.6 | 992.6  | 940.4  |
| 17.5° | 1376.3 | 1373.7 | 1367.7 | 1363.8 | 1355.8 | 1326.1 | 1237.6 | 1132.6 | 1029.6 | 937.8  | 872.4  |
| 20°   | 1431.8 | 1428.5 | 1423.2 | 1415.9 | 1408.0 | 1365.1 | 1246.2 | 1108.8 | 977.4  | 872.4  | 806.4  |
| 22.5° | 1489.2 | 1482.0 | 1476.0 | 1466.1 | 1457.5 | 1400.1 | 1240.3 | 1066.6 | 918.0  | 799.8  | 729.1  |
| 25°   | 1553.3 | 1544.7 | 1532.2 | 1520.3 | 1507.1 | 1428.5 | 1223.8 | 1013.7 | 846.7  | 721.2  | 649.9  |
| 27.5° | 1622.7 | 1610.1 | 1593.6 | 1578.4 | 1557.3 | 1449.6 | 1195.4 | 955.0  | 768.7  | 643.2  | 569.3  |
| 30°   | 1696.0 | 1672.8 | 1652.4 | 1629.3 | 1602.2 | 1459.5 | 1154.4 | 882.3  | 682.9  | 564.0  | 490.0  |
| 32.5° | 1767.3 | 1736.2 | 1705.9 | 1672.2 | 1635.2 | 1455.6 | 1096.3 | 796.5  | 597.0  | 490.0  | 428.0  |
| 35°   | 1839.9 | 1795.0 | 1752.8 | 1707.2 | 1662.3 | 1435.8 | 1016.4 | 701.4  | 515.8  | 428.6  | 383.7  |
| 37.5° | 1889.5 | 1833.3 | 1777.2 | 1722.4 | 1668.2 | 1392.8 | 910.1  | 595.0  | 442.5  | 384.4  | 352.0  |
| 40°   | 1914.6 | 1845.9 | 1777.2 | 1709.2 | 1642.5 | 1321.5 | 785.9  | 498.0  | 390.3  | 351.3  | 328.2  |
| 42.5° | 1907.3 | 1822.1 | 1736.9 | 1656.3 | 1574.4 | 1207.9 | 651.2  | 418.0  | 354.0  | 325.6  | 305.1  |
| 45°   | 1847.2 | 1745.5 | 1648.4 | 1563.2 | 1460.8 | 1062.0 | 534.9  | 368.5  | 326.2  | 304.5  | 285.3  |
| 47.5° | 1734.3 | 1620.7 | 1501.8 | 1405.4 | 1309.6 | 892.9  | 445.1  | 337.5  | 301.8  | 284.0  | 264.8  |
| 50°   | 1590.3 | 1458.9 | 1340.0 | 1235.6 | 1141.9 | 735.0  | 383.7  | 311.1  | 282.0  | 266.8  | 246.3  |
| 52.5° | 1431.8 | 1290.5 | 1182.2 | 1072.5 | 980.7  | 613.5  | 340.8  | 282.0  | 262.8  | 247.0  | 230.5  |
| 55°   | 1300.4 | 1169.6 | 1059.3 | 949.0  | 856.6  | 536.9  | 305.1  | 259.5  | 245.0  | 228.5  | 215.3  |
| 57.5° | 1265.4 | 1116.1 | 995.9  | 891.6  | 796.5  | 490.0  | 279.4  | 239.1  | 229.2  | 216.6  | 202.1  |
| 60°   | 1279.9 | 1115.4 | 980.7  | 866.5  | 766.7  | 452.4  | 260.2  | 225.2  | 217.3  | 206.1  | 190.9  |
| 62.5° | 1227.7 | 1054.0 | 918.0  | 796.5  | 702.0  | 404.8  | 246.3  | 218.6  | 213.3  | 198.1  | 181.0  |
| 65°   | 1046.1 | 886.9  | 756.2  | 651.2  | 569.9  | 340.8  | 235.1  | 224.5  | 219.3  | 192.8  | 174.4  |
| 67.5° | 796.5  | 663.7  | 558.7  | 480.1  | 421.3  | 282.0  | 232.5  | 244.4  | 233.8  | 195.5  | 172.4  |
| 70°   | 550.8  | 450.4  | 383.0  | 335.5  | 298.5  | 237.8  | 241.1  | 266.1  | 251.0  | 204.1  | 183.6  |
| 72.5° | 349.4  | 291.9  | 258.9  | 241.1  | 223.2  | 200.8  | 239.1  | 263.5  | 243.0  | 205.4  | 183.6  |
| 75°   | 223.9  | 200.1  | 188.9  | 182.3  | 177.0  | 175.0  | 210.7  | 216.6  | 195.5  | 178.3  | 171.0  |
| 77.5° | 158.5  | 154.5  | 152.6  | 151.9  | 152.6  | 157.2  | 174.4  | 163.1  | 142.0  | 142.7  | 146.6  |
| 80°   | 134.1  | 134.1  | 132.7  | 133.4  | 134.7  | 136.7  | 139.3  | 120.2  | 109.0  | 117.6  | 130.8  |
| 82.5° | 122.8  | 124.8  | 126.1  | 127.5  | 129.4  | 126.8  | 118.2  | 91.1   | 87.8   | 114.3  | 128.1  |
| 85°   | 124.8  | 124.8  | 125.5  | 126.8  | 127.5  | 114.3  | 98.4   | 68.7   | 67.4   | 128.1  | 120.9  |
| 87.5° | 107.0  | 105.7  | 101.0  | 97.7   | 93.1   | 78.6   | 65.4   | 38.3   | 39.6   | 79.3   | 84.5   |
| 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: P145115

CATALOG NUMBER: RDG-F04-LED-E-U-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 175°   | 180°   |
|-------|--------|--------|
| 0°    | 1050.7 | 1050.7 |
| 2.5°  | 1045.4 | 1045.4 |
| 5°    | 1045.4 | 1045.4 |
| 7.5°  | 1036.9 | 1034.2 |
| 10°   | 1011.8 | 1008.5 |
| 12.5° | 973.5  | 970.2  |
| 15°   | 914.7  | 910.7  |
| 17.5° | 841.4  | 834.8  |
| 20°   | 764.8  | 755.5  |
| 22.5° | 688.2  | 680.9  |
| 25°   | 609.6  | 603.0  |
| 27.5° | 532.3  | 525.7  |
| 30°   | 461.0  | 458.3  |
| 32.5° | 408.1  | 405.5  |
| 35°   | 369.2  | 367.9  |
| 37.5° | 342.8  | 341.4  |
| 40°   | 319.6  | 318.3  |
| 42.5° | 298.5  | 296.5  |
| 45°   | 277.4  | 278.0  |
| 47.5° | 256.2  | 255.6  |
| 50°   | 237.8  | 237.8  |
| 52.5° | 222.6  | 221.9  |
| 55°   | 208.7  | 208.0  |
| 57.5° | 194.8  | 194.2  |
| 60°   | 182.9  | 181.0  |
| 62.5° | 171.7  | 170.4  |
| 65°   | 164.4  | 163.8  |
| 67.5° | 159.2  | 157.2  |
| 70°   | 157.8  | 152.6  |
| 72.5° | 153.9  | 147.3  |
| 75°   | 144.6  | 141.3  |
| 77.5° | 127.5  | 123.5  |
| 80°   | 98.4   | 91.1   |
| 82.5° | 82.6   | 71.3   |
| 85°   | 60.8   | 56.1   |
| 87.5° | 44.2   | 35.0   |
| 90°   | 0.0    | 0.0    |

(END OF REPORT)