

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: P145704

Luminaire Tested: **RDG-F03-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P145704  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33703)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-F03-LED-E-U-SL4-7030  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6519.1 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3  
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: 28.75 FT



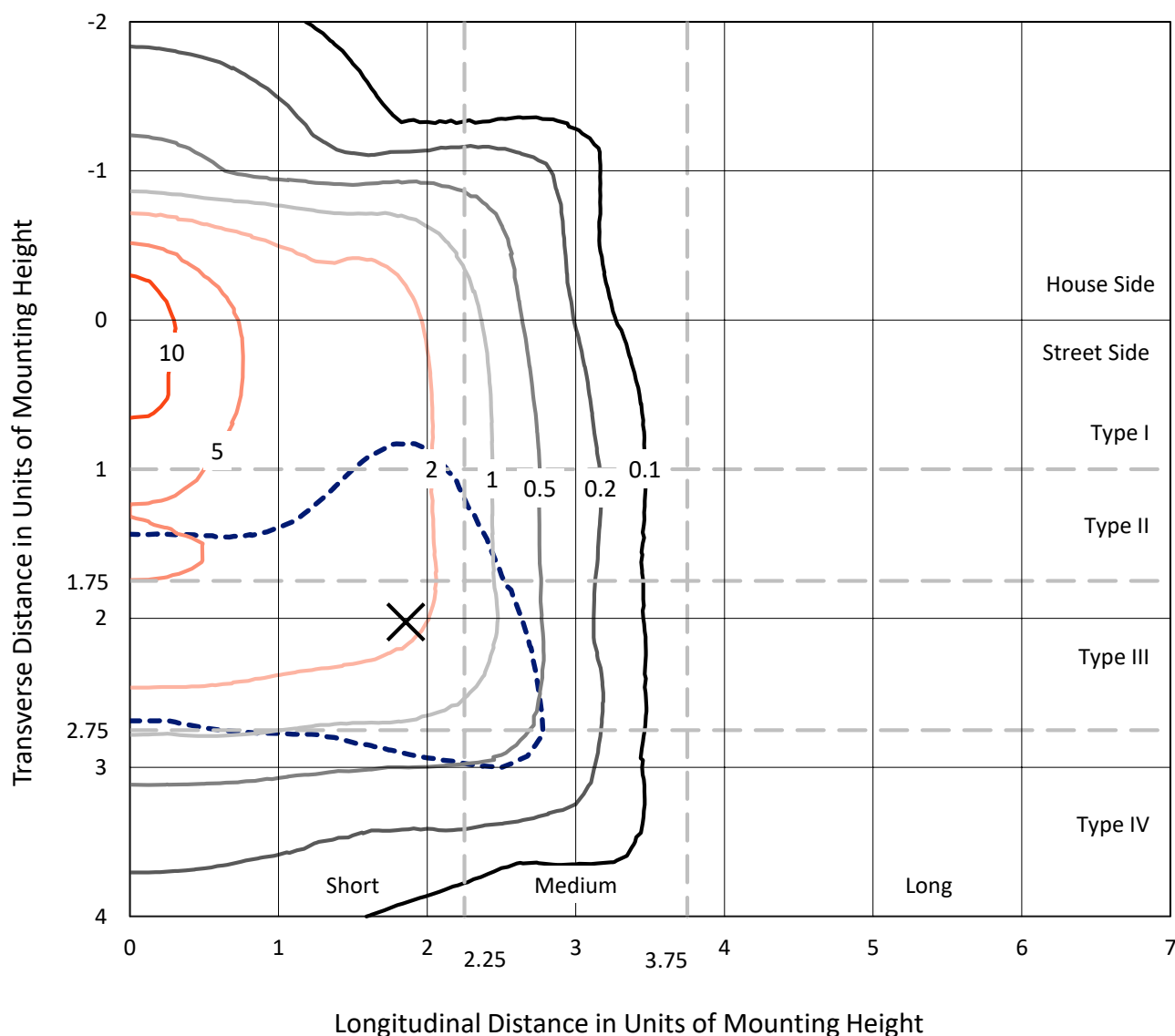
REPORT NUMBER: P145704

CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

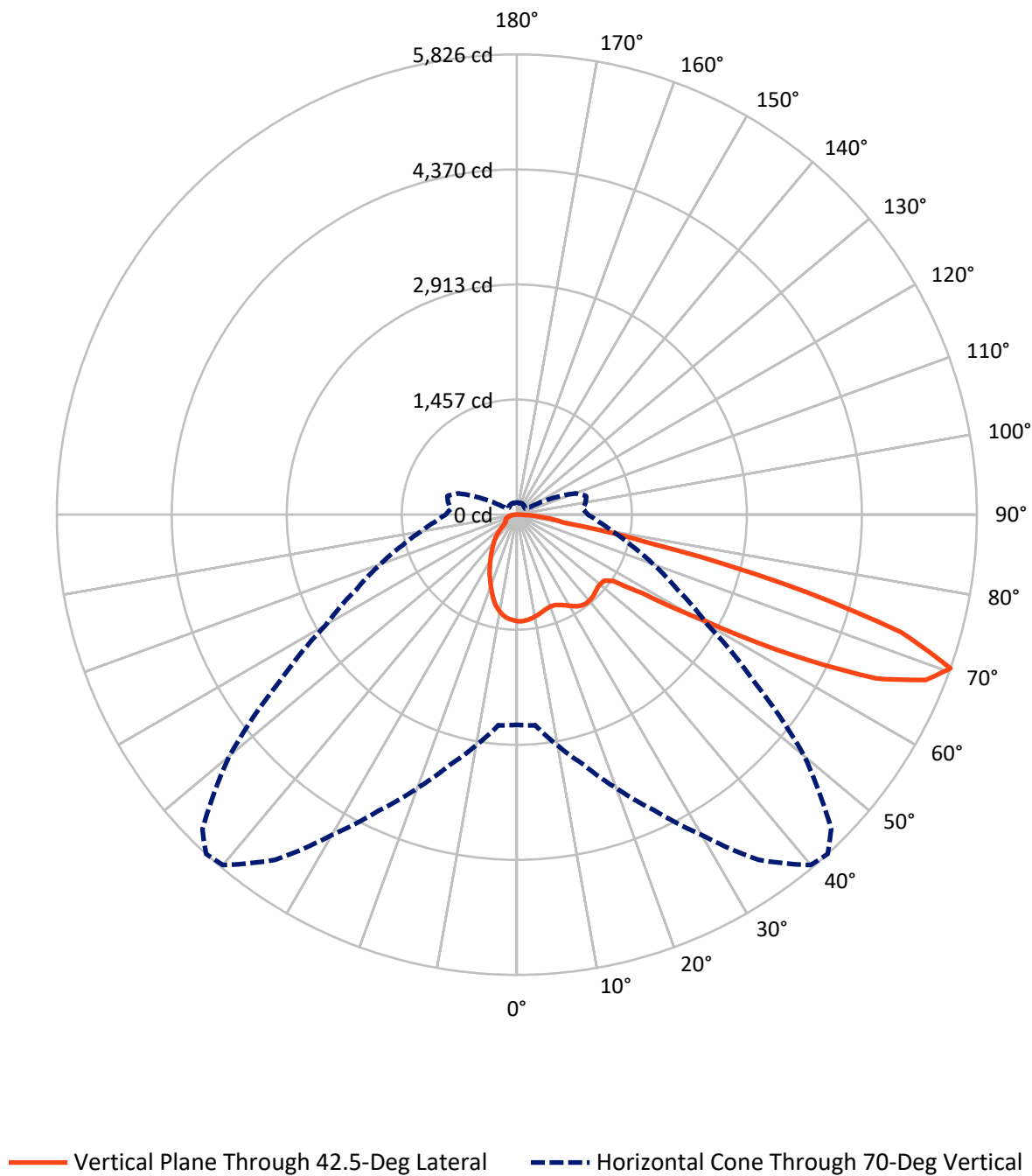


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc  
Type IV - Short - Semi-Cutoff

REPORT NUMBER: P145704

CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

## Luminous Intensity Polar Plot



REPORT NUMBER: P145704

CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

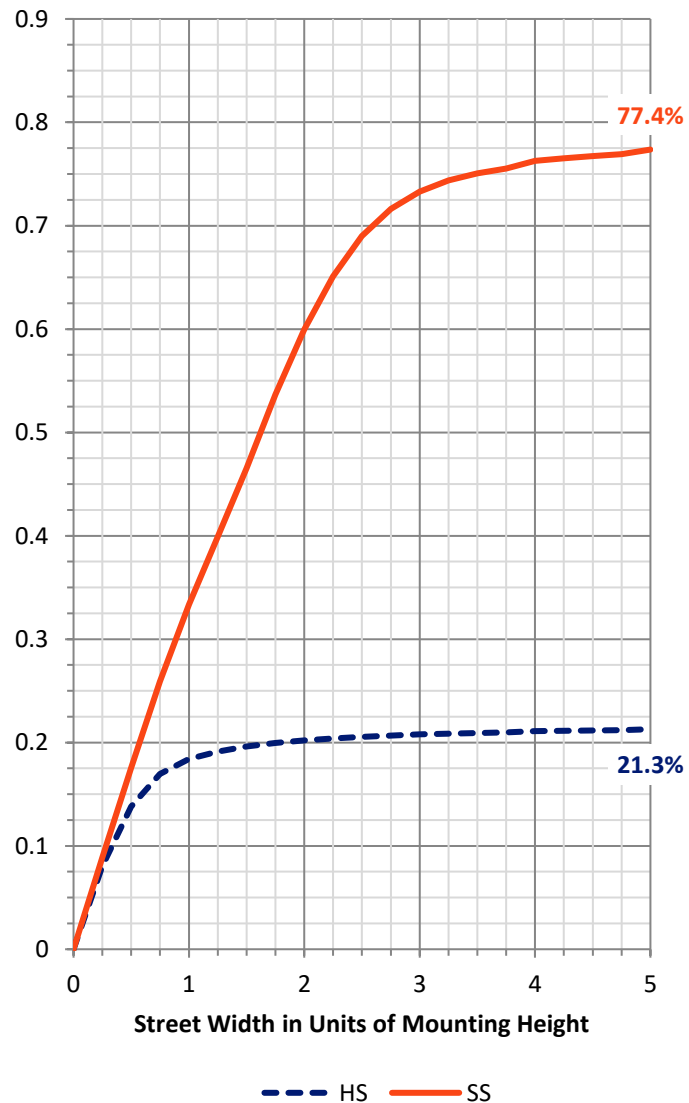
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1408.2   | 0.0    | 1408.2 |
|                    | % Fixture | 21.6     | 0.0    | 21.6   |
| <b>Street Side</b> | Lumens    | 5110.8   | 0.0    | 5110.8 |
|                    | % Fixture | 78.4     | 0.0    | 78.4   |
| <b>Total</b>       | Lumens    | 6519.1   | 0.0    | 6519.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 125.4  | 1.9       |
| 10°-20°   | 337.9  | 5.2       |
| 20°-30°   | 492.9  | 7.6       |
| 30°-40°   | 628.6  | 9.6       |
| 40°-50°   | 733.7  | 11.3      |
| 50°-60°   | 1122.1 | 17.2      |
| 60°-70°   | 2034.0 | 31.2      |
| 70°-80°   | 904.4  | 13.9      |
| 80°-90°   | 140.0  | 2.1       |
| 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°    | 6519.1 | 100.0     |
| 0°-180°   | 6519.1 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P145704

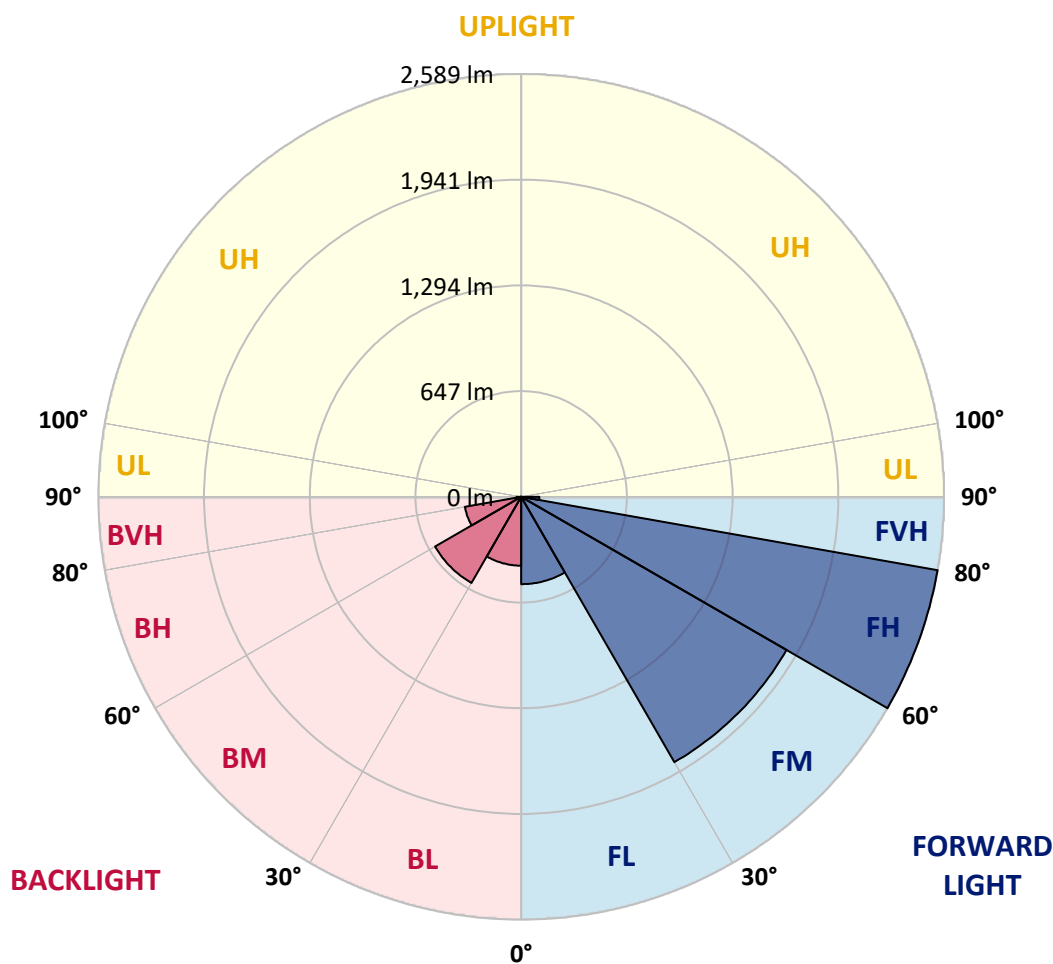
CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 534.7  | 8.2       |                         |      |         |
| FM   | (30°-60°)   | 1875.7 | 28.8      |                         |      |         |
| FH   | (60°-80°)   | 2588.6 | 39.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 111.8  | 1.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 421.5  | 6.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 608.8  | 9.3       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 349.9  | 5.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 28.1   | 0.4       |                         |      | 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: P145704

CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 42.5°  | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 |
| 2.5°  | 1354.5 | 1353.1 | 1354.0 | 1354.9 | 1354.9 | 1355.4 | 1351.3 | 1351.8 | 1349.9 | 1350.4 | 1350.9 |
| 5°    | 1349.5 | 1348.1 | 1349.0 | 1349.0 | 1349.0 | 1348.6 | 1343.2 | 1342.7 | 1340.4 | 1340.4 | 1339.5 |
| 7.5°  | 1340.0 | 1335.0 | 1337.7 | 1338.2 | 1337.3 | 1335.0 | 1331.9 | 1328.7 | 1327.3 | 1327.3 | 1324.2 |
| 10°   | 1325.5 | 1320.1 | 1321.4 | 1322.4 | 1321.9 | 1317.4 | 1316.0 | 1312.9 | 1309.2 | 1307.9 | 1304.3 |
| 12.5° | 1307.0 | 1303.4 | 1305.2 | 1304.7 | 1304.7 | 1300.6 | 1298.4 | 1293.9 | 1289.3 | 1287.1 | 1282.5 |
| 15°   | 1295.2 | 1290.7 | 1292.5 | 1292.5 | 1290.7 | 1286.6 | 1283.4 | 1275.3 | 1267.6 | 1264.9 | 1259.0 |
| 17.5° | 1302.4 | 1297.9 | 1299.7 | 1298.4 | 1295.2 | 1286.6 | 1278.5 | 1265.4 | 1253.1 | 1245.9 | 1238.2 |
| 20°   | 1331.4 | 1326.9 | 1328.2 | 1327.3 | 1322.8 | 1308.8 | 1293.9 | 1271.2 | 1248.6 | 1237.8 | 1226.0 |
| 22.5° | 1377.5 | 1373.9 | 1376.2 | 1374.8 | 1367.6 | 1349.5 | 1327.3 | 1294.8 | 1260.8 | 1244.5 | 1227.8 |
| 25°   | 1445.9 | 1445.0 | 1448.6 | 1444.5 | 1434.1 | 1407.0 | 1374.8 | 1330.9 | 1286.6 | 1266.3 | 1242.7 |
| 27.5° | 1528.2 | 1520.5 | 1525.9 | 1522.3 | 1515.1 | 1480.7 | 1437.3 | 1381.6 | 1325.1 | 1298.4 | 1270.3 |
| 30°   | 1602.4 | 1595.6 | 1605.6 | 1603.7 | 1592.9 | 1557.6 | 1502.9 | 1437.7 | 1373.9 | 1340.0 | 1307.9 |
| 32.5° | 1688.3 | 1679.7 | 1687.4 | 1687.4 | 1671.2 | 1623.6 | 1561.2 | 1486.6 | 1419.6 | 1383.4 | 1345.0 |
| 35°   | 1778.4 | 1769.3 | 1776.6 | 1774.3 | 1745.3 | 1682.5 | 1604.2 | 1523.2 | 1449.5 | 1412.4 | 1373.0 |
| 37.5° | 1862.1 | 1860.7 | 1862.5 | 1847.6 | 1807.3 | 1726.8 | 1633.1 | 1542.7 | 1464.4 | 1425.5 | 1384.3 |
| 40°   | 1945.8 | 1942.6 | 1934.9 | 1908.7 | 1849.8 | 1753.0 | 1648.1 | 1549.5 | 1465.3 | 1424.6 | 1383.0 |
| 42.5° | 1998.2 | 1992.4 | 1979.2 | 1943.5 | 1869.8 | 1759.4 | 1643.6 | 1539.1 | 1454.5 | 1412.8 | 1372.1 |
| 45°   | 2016.3 | 2010.4 | 1994.6 | 1954.4 | 1870.2 | 1749.4 | 1625.9 | 1518.2 | 1434.1 | 1396.1 | 1354.9 |
| 47.5° | 2001.4 | 1997.8 | 1983.3 | 1943.0 | 1855.7 | 1730.9 | 1603.7 | 1497.4 | 1414.6 | 1377.5 | 1339.1 |
| 50°   | 1976.1 | 1973.8 | 1961.1 | 1924.0 | 1842.2 | 1719.6 | 1593.3 | 1487.5 | 1409.2 | 1374.8 | 1338.6 |
| 52.5° | 2039.4 | 2032.6 | 2010.0 | 1966.1 | 1870.7 | 1739.9 | 1609.6 | 1502.4 | 1421.9 | 1387.0 | 1349.9 |
| 55°   | 2818.0 | 2767.8 | 2655.6 | 2445.2 | 2150.7 | 1922.2 | 1730.0 | 1600.6 | 1513.7 | 1479.8 | 1444.5 |
| 57.5° | 3706.0 | 3653.6 | 3607.0 | 3446.4 | 3096.7 | 2665.1 | 2276.9 | 2049.8 | 1894.2 | 1879.3 | 1865.2 |
| 60°   | 4048.0 | 4064.8 | 4060.7 | 4001.0 | 3821.8 | 3616.9 | 3292.1 | 3023.8 | 2726.6 | 2714.4 | 2732.0 |
| 62.5° | 4283.7 | 4297.8 | 4299.6 | 4281.5 | 4223.1 | 4154.8 | 4086.9 | 4001.0 | 3944.4 | 3920.0 | 3762.1 |
| 65°   | 4381.0 | 4401.4 | 4446.1 | 4479.6 | 4489.1 | 4512.7 | 4574.2 | 4808.1 | 5003.0 | 5001.7 | 4816.7 |
| 67.5° | 4009.6 | 4034.0 | 4203.7 | 4370.1 | 4509.9 | 4671.9 | 4921.2 | 5301.6 | 5595.2 | 5586.2 | 5434.6 |
| 70°   | 2661.0 | 2676.4 | 2964.6 | 3278.1 | 3684.8 | 4134.4 | 4679.1 | 5335.1 | 5790.2 | 5826.0 | 5630.5 |
| 72.5° | 1632.2 | 1667.5 | 1761.6 | 1888.8 | 2105.9 | 2522.6 | 3332.3 | 4453.4 | 5121.1 | 5087.6 | 4932.0 |
| 75°   | 1102.0 | 1103.8 | 1101.1 | 1114.7 | 1126.9 | 1211.1 | 1537.2 | 2448.8 | 3469.0 | 3487.1 | 3420.1 |
| 77.5° | 753.2  | 763.2  | 768.6  | 765.0  | 777.2  | 773.6  | 792.6  | 839.2  | 1329.6 | 1696.9 | 1559.4 |
| 80°   | 658.2  | 662.3  | 668.2  | 659.6  | 637.0  | 624.3  | 642.0  | 625.2  | 589.0  | 608.5  | 582.7  |
| 82.5° | 416.7  | 428.9  | 430.2  | 460.1  | 504.4  | 506.2  | 528.9  | 512.1  | 466.0  | 435.7  | 398.6  |
| 85°   | 299.5  | 304.0  | 312.2  | 314.0  | 298.6  | 285.5  | 293.6  | 279.6  | 252.0  | 235.7  | 208.6  |
| 87.5° | 174.6  | 179.1  | 187.3  | 182.3  | 166.9  | 147.9  | 133.5  | 114.9  | 90.9   | 85.1   | 75.1   |
| 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: P145704

CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 |
| 2.5°  | 1351.3 | 1349.0 | 1347.2 | 1346.3 | 1348.1 | 1346.3 | 1344.5 | 1343.6 | 1341.8 | 1342.3 | 1340.0 |
| 5°    | 1338.6 | 1335.5 | 1332.8 | 1330.5 | 1332.3 | 1329.1 | 1326.4 | 1324.6 | 1322.4 | 1321.9 | 1319.6 |
| 7.5°  | 1321.0 | 1316.0 | 1312.4 | 1308.3 | 1303.8 | 1301.1 | 1297.9 | 1294.8 | 1289.8 | 1289.3 | 1288.4 |
| 10°   | 1297.9 | 1293.9 | 1286.6 | 1280.3 | 1273.9 | 1267.2 | 1260.4 | 1255.4 | 1249.5 | 1247.3 | 1244.1 |
| 12.5° | 1274.9 | 1266.7 | 1258.1 | 1248.2 | 1240.5 | 1229.6 | 1220.6 | 1211.1 | 1202.5 | 1197.0 | 1191.2 |
| 15°   | 1247.7 | 1239.1 | 1226.9 | 1217.4 | 1206.5 | 1194.3 | 1182.6 | 1168.5 | 1154.5 | 1145.9 | 1137.8 |
| 17.5° | 1224.2 | 1213.3 | 1203.4 | 1189.8 | 1178.9 | 1164.9 | 1147.3 | 1132.3 | 1115.6 | 1101.6 | 1086.7 |
| 20°   | 1206.1 | 1193.9 | 1182.1 | 1169.9 | 1156.8 | 1140.9 | 1121.5 | 1100.2 | 1079.0 | 1059.1 | 1036.9 |
| 22.5° | 1198.8 | 1179.4 | 1166.3 | 1155.0 | 1141.4 | 1123.3 | 1101.6 | 1075.3 | 1049.1 | 1023.8 | 998.0  |
| 25°   | 1205.2 | 1176.2 | 1155.9 | 1143.2 | 1131.0 | 1112.4 | 1088.0 | 1058.2 | 1027.4 | 995.3  | 964.5  |
| 27.5° | 1222.4 | 1185.7 | 1156.8 | 1136.9 | 1122.8 | 1104.8 | 1077.6 | 1046.4 | 1011.6 | 975.4  | 942.3  |
| 30°   | 1247.3 | 1201.6 | 1165.4 | 1136.9 | 1116.1 | 1095.3 | 1065.8 | 1030.6 | 993.9  | 955.9  | 918.8  |
| 32.5° | 1274.4 | 1219.2 | 1175.8 | 1138.2 | 1106.1 | 1079.9 | 1049.1 | 1014.7 | 975.8  | 935.6  | 895.7  |
| 35°   | 1294.8 | 1231.9 | 1180.3 | 1133.3 | 1092.1 | 1059.1 | 1026.0 | 992.6  | 954.6  | 913.8  | 874.0  |
| 37.5° | 1303.4 | 1236.9 | 1179.4 | 1122.8 | 1072.6 | 1036.4 | 1002.1 | 968.6  | 931.9  | 893.5  | 856.8  |
| 40°   | 1303.8 | 1236.9 | 1174.0 | 1108.8 | 1052.3 | 1012.9 | 976.7  | 945.5  | 911.1  | 878.1  | 845.5  |
| 42.5° | 1295.2 | 1230.5 | 1164.0 | 1095.7 | 1037.3 | 993.0  | 955.9  | 923.8  | 896.2  | 866.8  | 839.2  |
| 45°   | 1279.8 | 1217.9 | 1155.0 | 1088.5 | 1031.9 | 988.0  | 948.2  | 917.9  | 893.0  | 866.8  | 842.8  |
| 47.5° | 1268.1 | 1210.6 | 1155.4 | 1098.9 | 1045.0 | 999.8  | 956.8  | 924.7  | 903.4  | 882.6  | 865.4  |
| 50°   | 1270.3 | 1213.3 | 1160.8 | 1107.0 | 1054.1 | 1008.4 | 966.8  | 939.2  | 926.5  | 919.7  | 915.6  |
| 52.5° | 1282.1 | 1224.2 | 1184.4 | 1148.6 | 1131.4 | 1103.4 | 1080.3 | 1059.5 | 1062.7 | 1046.4 | 1025.6 |
| 55°   | 1403.3 | 1383.9 | 1429.6 | 1462.6 | 1478.9 | 1507.4 | 1548.6 | 1509.2 | 1503.8 | 1453.5 | 1304.3 |
| 57.5° | 1884.2 | 1930.4 | 2000.5 | 2050.3 | 2055.2 | 2046.6 | 2012.7 | 1980.1 | 1927.2 | 1851.7 | 1642.7 |
| 60°   | 2690.9 | 2680.0 | 2614.8 | 2527.5 | 2459.7 | 2370.6 | 2281.0 | 2205.4 | 2120.4 | 2004.6 | 1782.0 |
| 62.5° | 3539.1 | 3277.6 | 3045.5 | 2847.8 | 2680.0 | 2531.2 | 2395.9 | 2282.3 | 2165.6 | 1999.1 | 1762.1 |
| 65°   | 4224.0 | 3721.0 | 3312.0 | 2994.0 | 2744.2 | 2533.9 | 2359.2 | 2202.7 | 2046.6 | 1853.9 | 1624.1 |
| 67.5° | 4713.5 | 3915.5 | 3298.4 | 2851.0 | 2500.8 | 2211.3 | 1957.1 | 1778.8 | 1618.7 | 1467.1 | 1363.5 |
| 70°   | 4752.4 | 3646.3 | 2790.4 | 2243.0 | 1839.0 | 1498.8 | 1235.0 | 1040.5 | 901.2  | 838.3  | 883.1  |
| 72.5° | 4061.2 | 2697.6 | 1855.3 | 1373.0 | 1089.8 | 846.9  | 680.9  | 544.2  | 432.0  | 376.8  | 384.5  |
| 75°   | 2391.8 | 1295.2 | 835.6  | 622.5  | 508.5  | 406.3  | 351.5  | 296.8  | 261.9  | 209.9  | 167.8  |
| 77.5° | 910.7  | 563.2  | 421.6  | 350.2  | 249.7  | 179.6  | 141.6  | 122.1  | 112.2  | 110.8  | 105.0  |
| 80°   | 524.8  | 413.0  | 289.1  | 189.1  | 138.4  | 117.2  | 100.4  | 86.0   | 80.1   | 78.7   | 81.0   |
| 82.5° | 331.6  | 257.4  | 158.8  | 121.7  | 100.9  | 86.9   | 72.4   | 62.9   | 57.9   | 56.1   | 59.3   |
| 85°   | 171.5  | 128.9  | 96.8   | 83.2   | 77.4   | 70.6   | 57.9   | 48.4   | 48.0   | 50.2   | 57.9   |
| 87.5° | 63.3   | 55.2   | 43.4   | 37.5   | 40.3   | 37.5   | 27.1   | 23.5   | 21.3   | 28.0   | 40.7   |
| 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: P145704

CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

**CANDELA DISTRIBUTION (continued):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 |
| 2.5°  | 1340.0 | 1339.1 | 1339.5 | 1338.6 | 1338.6 | 1340.0 | 1338.2 | 1336.8 | 1339.1 | 1339.1 | 1340.4 |
| 5°    | 1319.2 | 1320.1 | 1320.1 | 1319.6 | 1320.5 | 1322.8 | 1322.4 | 1322.4 | 1326.0 | 1327.3 | 1329.1 |
| 7.5°  | 1286.2 | 1287.5 | 1288.0 | 1289.3 | 1289.8 | 1292.9 | 1295.2 | 1297.9 | 1303.4 | 1304.7 | 1308.8 |
| 10°   | 1241.4 | 1240.5 | 1243.6 | 1243.2 | 1247.3 | 1250.0 | 1251.8 | 1257.7 | 1265.8 | 1270.3 | 1274.4 |
| 12.5° | 1188.4 | 1188.4 | 1190.3 | 1190.7 | 1194.3 | 1197.9 | 1200.2 | 1207.4 | 1214.2 | 1220.1 | 1229.2 |
| 15°   | 1132.3 | 1130.5 | 1126.5 | 1126.0 | 1127.4 | 1131.0 | 1136.0 | 1141.4 | 1151.8 | 1160.4 | 1168.1 |
| 17.5° | 1073.5 | 1068.1 | 1063.1 | 1056.8 | 1056.3 | 1055.9 | 1058.6 | 1062.7 | 1079.0 | 1087.6 | 1098.4 |
| 20°   | 1021.5 | 1009.7 | 998.0  | 984.9  | 977.2  | 973.6  | 974.9  | 980.3  | 995.7  | 1007.0 | 1018.3 |
| 22.5° | 974.9  | 957.3  | 938.7  | 917.9  | 905.2  | 897.6  | 898.5  | 900.7  | 912.0  | 918.8  | 924.7  |
| 25°   | 935.1  | 910.7  | 884.9  | 858.2  | 840.6  | 828.8  | 828.3  | 828.3  | 823.4  | 824.3  | 821.1  |
| 27.5° | 908.0  | 874.0  | 841.0  | 809.8  | 786.7  | 775.0  | 759.1  | 747.8  | 737.9  | 724.3  | 718.4  |
| 30°   | 881.7  | 846.9  | 809.3  | 775.0  | 747.4  | 724.3  | 694.9  | 670.5  | 651.0  | 632.4  | 616.6  |
| 32.5° | 858.2  | 822.0  | 786.3  | 748.7  | 710.7  | 670.9  | 632.4  | 604.4  | 576.8  | 548.3  | 529.3  |
| 35°   | 837.4  | 803.5  | 767.7  | 725.2  | 671.8  | 619.8  | 576.4  | 538.4  | 505.8  | 471.4  | 443.8  |
| 37.5° | 825.6  | 794.9  | 757.8  | 699.9  | 632.9  | 573.6  | 525.2  | 482.7  | 439.3  | 398.1  | 364.2  |
| 40°   | 819.7  | 792.6  | 747.4  | 674.1  | 598.1  | 534.7  | 480.9  | 429.8  | 378.7  | 330.2  | 295.0  |
| 42.5° | 818.8  | 792.6  | 732.0  | 647.8  | 568.2  | 500.4  | 440.2  | 378.7  | 316.7  | 269.6  | 238.4  |
| 45°   | 827.0  | 791.7  | 715.7  | 624.3  | 541.5  | 469.6  | 397.2  | 324.8  | 261.0  | 219.9  | 202.7  |
| 47.5° | 850.5  | 794.9  | 703.0  | 604.4  | 516.2  | 435.7  | 348.3  | 265.1  | 210.8  | 192.3  | 191.8  |
| 50°   | 888.5  | 809.3  | 700.3  | 589.9  | 491.3  | 393.1  | 290.9  | 212.2  | 185.9  | 185.0  | 190.0  |
| 52.5° | 948.7  | 836.5  | 707.1  | 580.0  | 461.4  | 337.9  | 230.3  | 183.2  | 178.2  | 183.2  | 189.6  |
| 55°   | 1081.2 | 884.9  | 716.1  | 562.3  | 413.0  | 267.8  | 189.6  | 173.7  | 176.0  | 181.9  | 187.7  |
| 57.5° | 1322.4 | 985.3  | 725.6  | 522.5  | 334.8  | 205.8  | 170.6  | 170.1  | 174.2  | 179.1  | 184.6  |
| 60°   | 1475.3 | 1109.3 | 748.7  | 463.7  | 252.9  | 170.1  | 163.3  | 167.8  | 172.8  | 176.4  | 181.0  |
| 62.5° | 1480.2 | 1141.8 | 760.9  | 400.8  | 188.2  | 155.6  | 157.0  | 165.6  | 171.5  | 172.8  | 175.1  |
| 65°   | 1384.8 | 1080.3 | 705.7  | 326.2  | 156.1  | 147.5  | 152.5  | 160.1  | 166.0  | 166.9  | 168.7  |
| 67.5° | 1209.7 | 952.7  | 598.1  | 246.1  | 142.1  | 141.1  | 146.6  | 152.5  | 156.5  | 160.1  | 162.9  |
| 70°   | 911.1  | 786.3  | 480.9  | 190.9  | 133.5  | 132.6  | 138.0  | 143.0  | 146.6  | 151.1  | 155.6  |
| 72.5° | 461.9  | 544.2  | 364.6  | 156.1  | 121.7  | 122.6  | 128.5  | 133.0  | 135.7  | 139.8  | 144.3  |
| 75°   | 157.4  | 237.5  | 230.7  | 126.2  | 108.6  | 112.2  | 114.9  | 119.9  | 124.0  | 126.7  | 128.9  |
| 77.5° | 98.6   | 103.1  | 119.0  | 101.8  | 95.9   | 96.8   | 101.3  | 105.9  | 110.4  | 112.2  | 113.1  |
| 80°   | 82.3   | 82.8   | 83.2   | 81.4   | 81.9   | 84.6   | 87.3   | 92.3   | 96.8   | 97.7   | 98.2   |
| 82.5° | 65.1   | 69.7   | 69.2   | 68.8   | 71.0   | 73.7   | 75.6   | 77.4   | 79.2   | 80.1   | 81.4   |
| 85°   | 57.5   | 56.5   | 57.0   | 58.4   | 56.5   | 54.7   | 54.3   | 54.3   | 57.0   | 60.2   | 61.5   |
| 87.5° | 52.5   | 44.8   | 33.5   | 31.7   | 31.7   | 30.8   | 29.0   | 29.0   | 31.7   | 34.4   | 35.7   |
| 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: P145704

CATALOG NUMBER: RDG-F03-LED-E-U-SL4-7030

**CANDELA DISTRIBUTION (continued):**

|       | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1348.1 | 1348.1 | 1348.1 | 1348.1 | 1348.1 |
| 2.5°  | 1340.0 | 1340.4 | 1340.0 | 1340.0 | 1342.3 |
| 5°    | 1330.0 | 1331.9 | 1330.9 | 1332.3 | 1333.7 |
| 7.5°  | 1309.7 | 1314.2 | 1315.1 | 1318.7 | 1317.4 |
| 10°   | 1280.3 | 1283.4 | 1288.0 | 1291.6 | 1290.2 |
| 12.5° | 1233.7 | 1241.4 | 1248.2 | 1252.2 | 1251.3 |
| 15°   | 1174.4 | 1185.3 | 1194.3 | 1197.5 | 1193.9 |
| 17.5° | 1111.1 | 1117.9 | 1128.7 | 1131.0 | 1134.6 |
| 20°   | 1031.0 | 1030.6 | 1040.1 | 1040.1 | 1038.2 |
| 22.5° | 926.5  | 933.3  | 933.3  | 927.0  | 923.8  |
| 25°   | 819.7  | 822.0  | 815.2  | 816.6  | 808.0  |
| 27.5° | 712.5  | 706.6  | 701.2  | 703.5  | 697.1  |
| 30°   | 610.3  | 597.6  | 592.2  | 593.1  | 586.3  |
| 32.5° | 512.1  | 497.2  | 491.8  | 484.5  | 478.6  |
| 35°   | 423.0  | 399.5  | 385.4  | 381.8  | 385.9  |
| 37.5° | 335.7  | 318.9  | 302.2  | 290.0  | 291.3  |
| 40°   | 265.6  | 248.4  | 237.5  | 232.5  | 231.6  |
| 42.5° | 219.4  | 209.5  | 207.2  | 207.6  | 207.6  |
| 45°   | 199.1  | 199.5  | 201.3  | 203.1  | 203.6  |
| 47.5° | 195.0  | 197.7  | 200.9  | 203.1  | 203.6  |
| 50°   | 194.5  | 197.2  | 199.5  | 202.2  | 203.1  |
| 52.5° | 194.1  | 195.9  | 197.2  | 198.6  | 200.0  |
| 55°   | 192.3  | 193.2  | 192.7  | 193.6  | 195.0  |
| 57.5° | 187.7  | 188.2  | 187.3  | 187.7  | 190.5  |
| 60°   | 183.7  | 184.1  | 182.3  | 184.6  | 185.0  |
| 62.5° | 178.7  | 178.2  | 177.3  | 178.7  | 178.7  |
| 65°   | 171.5  | 168.7  | 169.6  | 171.0  | 171.5  |
| 67.5° | 162.9  | 160.1  | 160.1  | 161.1  | 162.4  |
| 70°   | 152.0  | 150.6  | 150.6  | 152.5  | 154.3  |
| 72.5° | 139.8  | 140.7  | 143.4  | 146.1  | 148.8  |
| 75°   | 129.8  | 132.1  | 134.8  | 141.6  | 145.7  |
| 77.5° | 117.2  | 117.6  | 119.9  | 126.7  | 133.9  |
| 80°   | 99.5   | 99.1   | 99.5   | 100.4  | 101.8  |
| 82.5° | 78.7   | 77.8   | 75.1   | 76.0   | 74.2   |
| 85°   | 57.9   | 56.5   | 53.4   | 51.1   | 50.7   |
| 87.5° | 33.5   | 33.5   | 32.1   | 30.3   | 28.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)