

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: P164060

Luminaire Tested: **RDG-F04-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P164060  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
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-SL4-HSS-8030  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (28) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5500.7 lumens  
Efficiency: N/A  
Efficacy: 53.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - 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

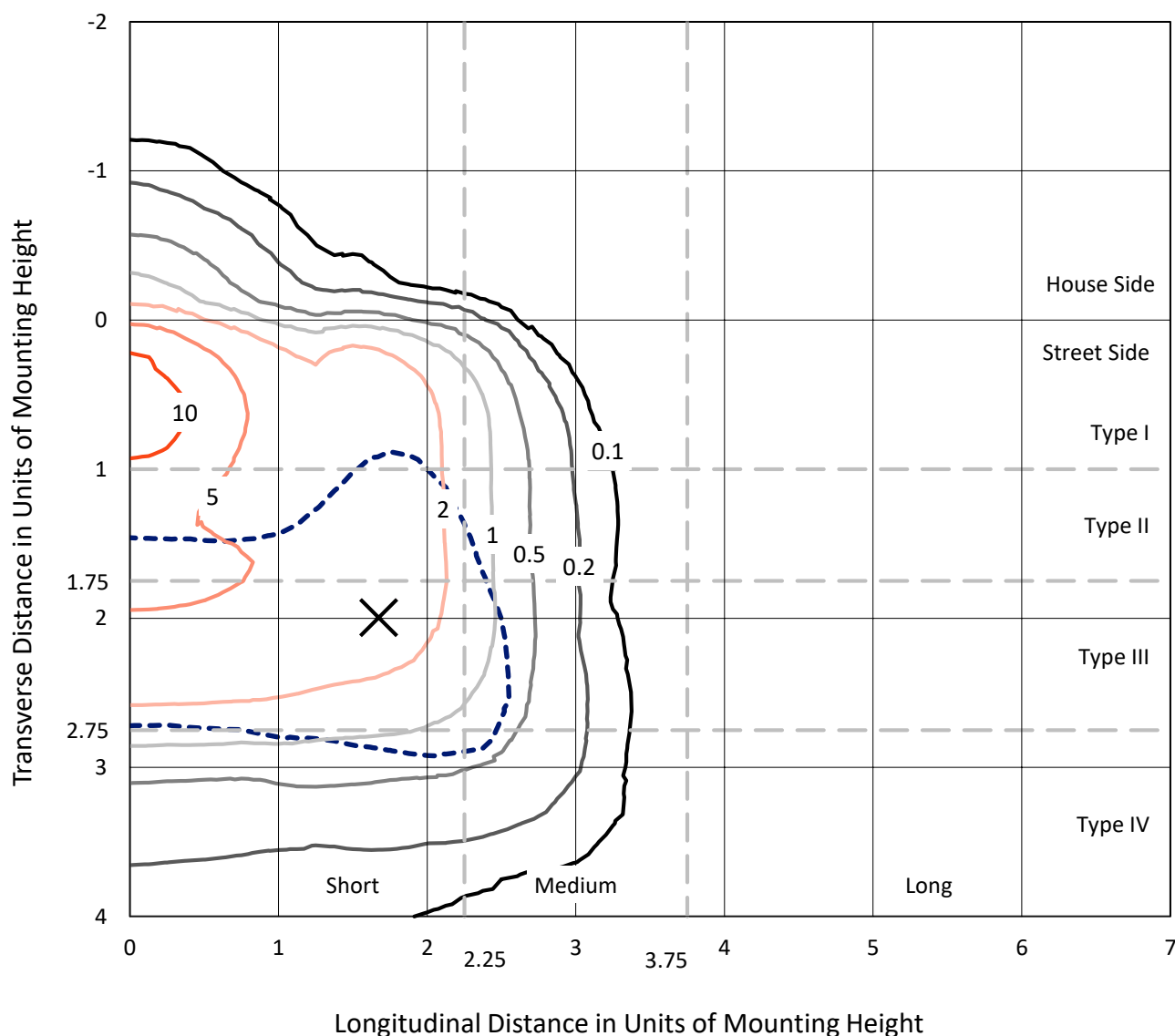


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

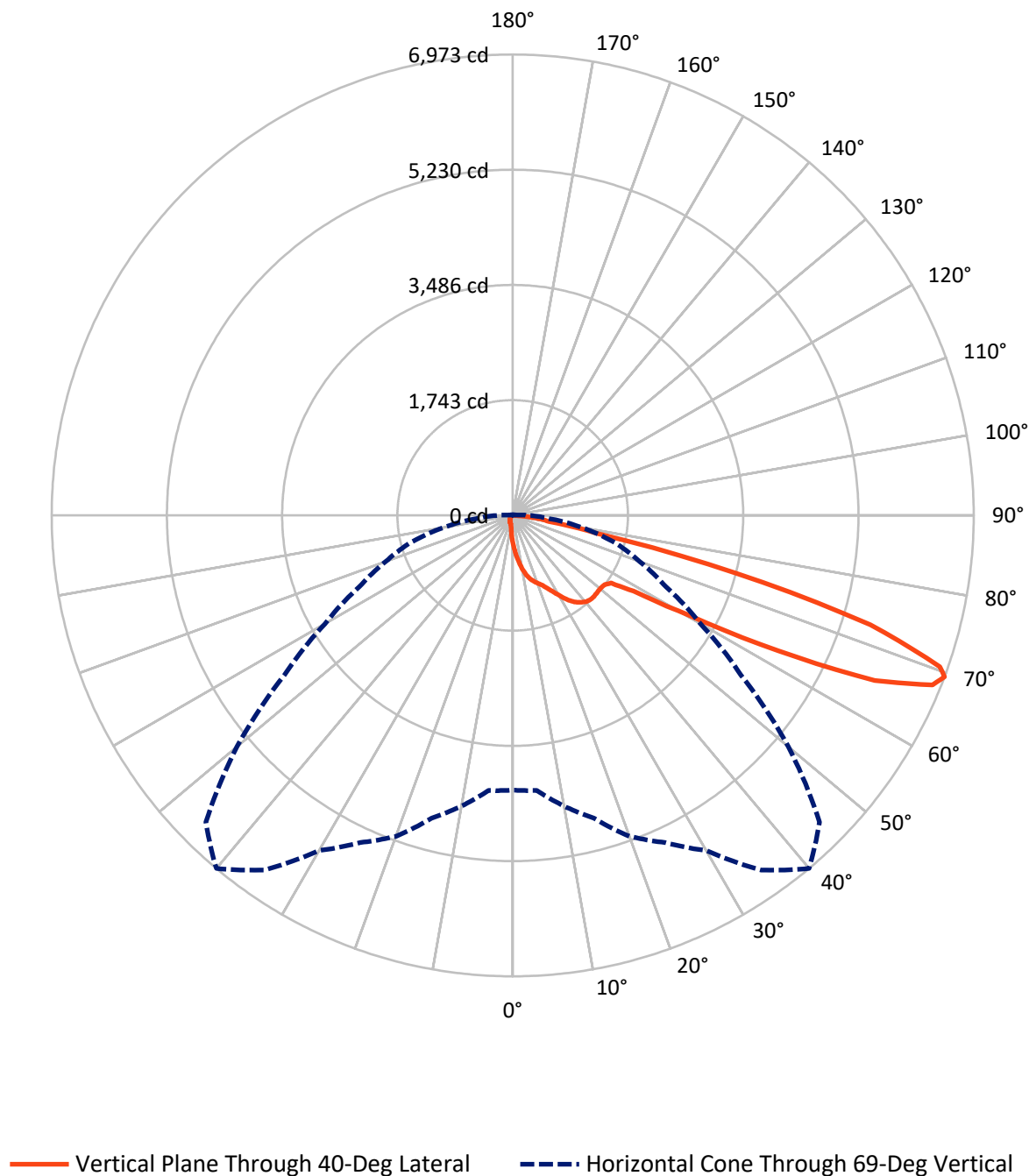


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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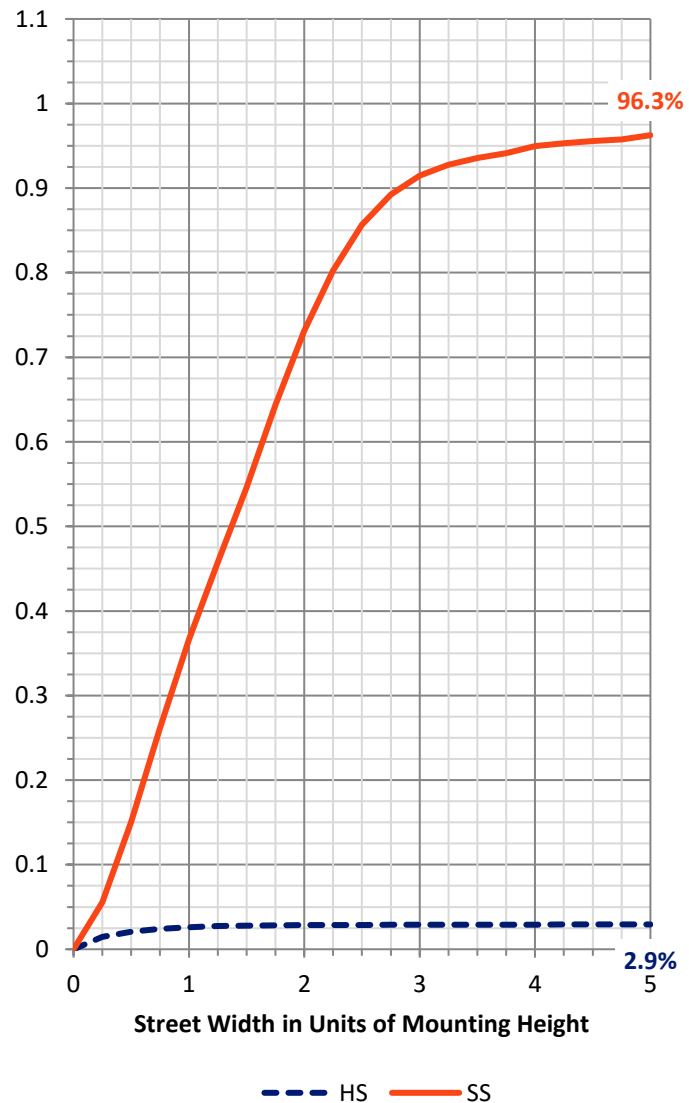
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 163.8    | 0.0    | 163.8  |
|                    | % Fixture | 3.0      | 0.0    | 3.0    |
| <b>Street Side</b> | Lumens    | 5336.9   | 0.0    | 5336.9 |
|                    | % Fixture | 97.0     | 0.0    | 97.0   |
| <b>Total</b>       | Lumens    | 5500.7   | 0.0    | 5500.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.7   | 0.8       |
| 10°-20°   | 147.2  | 2.7       |
| 20°-30°   | 281.7  | 5.1       |
| 30°-40°   | 468.6  | 8.5       |
| 40°-50°   | 634.0  | 11.5      |
| 50°-60°   | 991.6  | 18.0      |
| 60°-70°   | 2038.7 | 37.1      |
| 70°-80°   | 820.3  | 14.9      |
| 80°-90°   | 75.9   | 1.4       |
| 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°    | 5500.7 | 100.0     |
| 0°-180°   | 5500.7 | 100.0     |

**Coefficient of Utilization**



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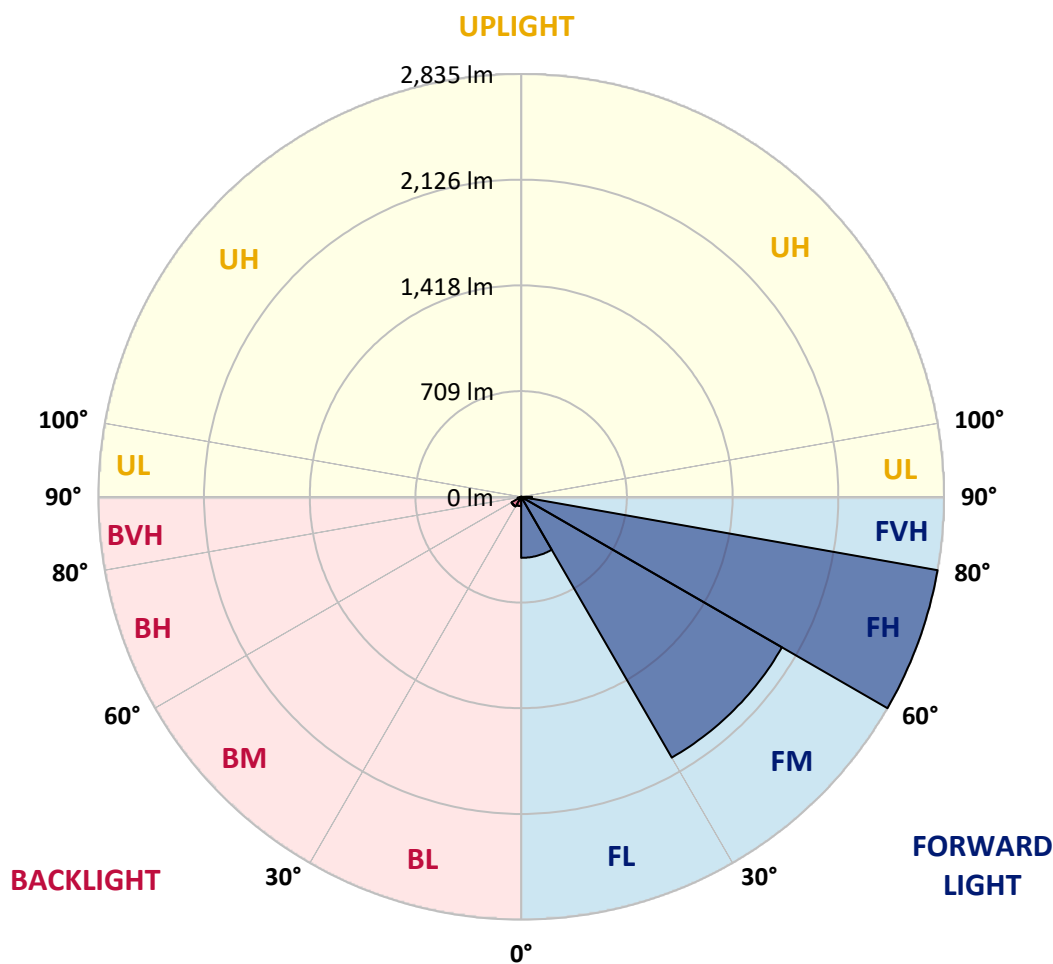
CATALOG NUMBER: RDG-F04-LED-E-U-SL4-HSS-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 409.4  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 2019.4 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 2835.1 | 51.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 73.1   | 1.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 62.3   | 1.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 74.8   | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 23.9   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 2.8    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  |
| 2.5°  | 554.2  | 547.9  | 540.7  | 540.7  | 531.6  | 531.6  | 526.2  | 511.8  | 510.0  | 501.9  | 493.8  |
| 5°    | 707.4  | 702.0  | 692.9  | 684.9  | 677.6  | 665.0  | 656.0  | 638.9  | 620.0  | 601.9  | 585.7  |
| 7.5°  | 856.9  | 854.3  | 838.0  | 835.3  | 823.6  | 802.9  | 784.9  | 759.6  | 727.2  | 702.0  | 672.2  |
| 10°   | 995.7  | 989.4  | 985.8  | 970.5  | 953.4  | 930.8  | 902.9  | 872.3  | 834.4  | 794.8  | 752.4  |
| 12.5° | 1105.6 | 1102.1 | 1085.8 | 1079.5 | 1061.5 | 1039.0 | 1003.8 | 964.2  | 926.3  | 875.0  | 825.4  |
| 15°   | 1187.6 | 1181.3 | 1170.5 | 1160.6 | 1139.0 | 1119.2 | 1086.7 | 1043.5 | 997.5  | 941.7  | 882.2  |
| 17.5° | 1256.1 | 1244.4 | 1241.7 | 1226.4 | 1203.8 | 1180.4 | 1144.4 | 1104.7 | 1050.7 | 994.8  | 929.9  |
| 20°   | 1348.0 | 1331.8 | 1326.4 | 1303.9 | 1277.8 | 1245.3 | 1203.8 | 1154.3 | 1097.6 | 1036.2 | 969.6  |
| 22.5° | 1456.2 | 1444.5 | 1432.8 | 1412.9 | 1379.6 | 1333.6 | 1273.2 | 1219.2 | 1147.1 | 1079.5 | 1007.4 |
| 25°   | 1609.3 | 1599.5 | 1580.5 | 1553.5 | 1512.0 | 1457.1 | 1384.1 | 1304.8 | 1220.1 | 1133.6 | 1048.9 |
| 27.5° | 1758.1 | 1749.0 | 1735.5 | 1714.8 | 1667.9 | 1607.6 | 1517.4 | 1416.5 | 1309.3 | 1204.8 | 1111.0 |
| 30°   | 1897.7 | 1889.6 | 1876.1 | 1855.4 | 1813.9 | 1754.4 | 1652.6 | 1544.5 | 1411.1 | 1289.5 | 1176.8 |
| 32.5° | 2048.2 | 2045.5 | 2030.2 | 2000.5 | 1964.4 | 1884.2 | 1773.4 | 1657.1 | 1521.9 | 1381.4 | 1249.8 |
| 35°   | 2218.5 | 2197.8 | 2183.3 | 2153.6 | 2092.4 | 2006.8 | 1877.0 | 1749.9 | 1607.6 | 1463.4 | 1316.5 |
| 37.5° | 2362.7 | 2342.9 | 2324.9 | 2287.0 | 2212.2 | 2103.2 | 1956.3 | 1816.6 | 1669.8 | 1522.8 | 1373.3 |
| 40°   | 2468.1 | 2458.2 | 2436.6 | 2387.0 | 2303.2 | 2173.5 | 2014.8 | 1862.6 | 1714.8 | 1567.0 | 1419.2 |
| 42.5° | 2546.5 | 2531.2 | 2506.9 | 2455.5 | 2356.4 | 2208.6 | 2038.3 | 1881.5 | 1735.5 | 1594.1 | 1449.0 |
| 45°   | 2575.4 | 2562.8 | 2540.2 | 2484.3 | 2377.1 | 2218.5 | 2037.4 | 1876.1 | 1736.4 | 1602.2 | 1468.8 |
| 47.5° | 2558.2 | 2545.6 | 2525.8 | 2473.5 | 2368.1 | 2206.8 | 2021.1 | 1860.8 | 1727.4 | 1604.9 | 1486.8 |
| 50°   | 2501.4 | 2494.3 | 2478.9 | 2434.8 | 2340.1 | 2184.3 | 2006.8 | 1852.6 | 1725.6 | 1618.4 | 1512.0 |
| 52.5° | 2496.0 | 2491.5 | 2472.6 | 2428.5 | 2332.1 | 2177.0 | 2004.9 | 1857.2 | 1740.9 | 1635.5 | 1530.1 |
| 55°   | 3050.3 | 2986.3 | 2843.0 | 2721.3 | 2521.3 | 2283.4 | 2095.9 | 1930.2 | 1805.8 | 1703.1 | 1629.2 |
| 57.5° | 4335.2 | 4239.7 | 4051.4 | 3819.8 | 3360.2 | 2908.7 | 2547.4 | 2286.1 | 2157.3 | 2110.4 | 2138.3 |
| 60°   | 4937.1 | 4920.0 | 4890.3 | 4780.3 | 4545.2 | 4156.8 | 3724.2 | 3256.6 | 3069.1 | 3052.9 | 3109.7 |
| 62.5° | 5222.8 | 5212.0 | 5221.0 | 5207.5 | 5134.5 | 5021.0 | 4896.6 | 4694.7 | 4509.1 | 4389.3 | 4135.2 |
| 65°   | 5354.3 | 5361.6 | 5412.9 | 5453.5 | 5462.5 | 5492.2 | 5583.2 | 5834.6 | 6018.5 | 5709.4 | 5003.8 |
| 67.5° | 5020.1 | 5062.4 | 5180.4 | 5328.2 | 5501.2 | 5668.8 | 5939.1 | 6469.0 | 6846.6 | 6483.4 | 5481.4 |
| 69°   | 4155.9 | 4176.6 | 4465.0 | 4743.4 | 5166.0 | 5461.6 | 5853.6 | 6548.3 | 6972.7 | 6562.7 | 5443.6 |
| 70°   | 3271.9 | 3290.8 | 3599.9 | 3978.4 | 4692.9 | 5073.2 | 5585.9 | 6414.0 | 6854.7 | 6457.3 | 5248.9 |
| 72.5° | 1476.0 | 1449.0 | 1558.0 | 1760.7 | 2537.5 | 3141.2 | 4037.8 | 5196.6 | 5655.3 | 5173.2 | 3927.0 |
| 75°   | 1030.8 | 1019.1 | 1030.8 | 1031.8 | 1152.5 | 1486.8 | 1876.1 | 2816.8 | 3483.7 | 3006.1 | 1876.1 |
| 77.5° | 798.4  | 790.3  | 782.2  | 773.2  | 787.6  | 882.2  | 920.0  | 999.3  | 1297.6 | 1227.3 | 715.5  |
| 80°   | 631.7  | 624.4  | 644.3  | 638.0  | 638.0  | 648.8  | 641.6  | 611.8  | 556.0  | 515.4  | 461.4  |
| 82.5° | 293.7  | 295.6  | 295.6  | 320.8  | 386.5  | 451.4  | 472.2  | 442.5  | 392.9  | 334.3  | 269.4  |
| 85°   | 27.9   | 31.5   | 53.2   | 82.0   | 163.1  | 183.8  | 184.7  | 153.2  | 153.2  | 120.7  | 97.3   |
| 87.5° | 0.0    | 0.9    | 0.9    | 0.9    | 8.1    | 22.5   | 18.9   | 5.4    | 2.7    | 2.7    | 4.5    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4  | 415.4 | 415.4 | 415.4 | 415.4 |
| 2.5°  | 479.4  | 476.7  | 465.9  | 455.1  | 445.1  | 434.3  | 424.4  | 414.5 | 403.7 | 395.6 | 385.7 |
| 5°    | 560.5  | 540.7  | 518.1  | 496.5  | 474.9  | 452.4  | 428.9  | 408.2 | 386.5 | 366.8 | 347.8 |
| 7.5°  | 642.5  | 603.8  | 573.1  | 534.4  | 499.2  | 464.1  | 431.6  | 398.3 | 367.7 | 338.8 | 311.8 |
| 10°   | 711.9  | 665.0  | 617.3  | 567.7  | 517.3  | 470.4  | 425.3  | 385.7 | 345.1 | 310.0 | 276.6 |
| 12.5° | 768.6  | 709.2  | 650.6  | 588.4  | 531.6  | 472.2  | 416.3  | 368.5 | 320.8 | 281.1 | 246.9 |
| 15°   | 820.0  | 751.5  | 681.2  | 609.2  | 537.0  | 469.5  | 407.3  | 347.8 | 299.2 | 254.1 | 215.4 |
| 17.5° | 861.4  | 783.1  | 703.8  | 622.7  | 545.2  | 465.9  | 395.6  | 333.4 | 276.6 | 229.8 | 191.9 |
| 20°   | 897.5  | 815.5  | 729.9  | 638.9  | 550.6  | 465.0  | 385.7  | 315.4 | 256.8 | 207.2 | 170.3 |
| 22.5° | 930.8  | 848.8  | 756.9  | 659.6  | 558.7  | 464.1  | 376.7  | 301.9 | 239.7 | 190.1 | 153.2 |
| 25°   | 968.7  | 882.2  | 785.8  | 681.2  | 573.1  | 467.6  | 371.3  | 291.1 | 224.3 | 173.9 | 139.7 |
| 27.5° | 1011.0 | 920.0  | 820.0  | 708.3  | 592.0  | 474.9  | 369.4  | 279.4 | 210.9 | 158.6 | 128.9 |
| 30°   | 1070.5 | 965.1  | 854.3  | 735.3  | 609.2  | 483.0  | 367.7  | 272.1 | 197.3 | 146.9 | 118.1 |
| 32.5° | 1122.7 | 1009.2 | 892.1  | 763.2  | 628.1  | 491.1  | 366.8  | 262.2 | 184.7 | 135.2 | 109.9 |
| 35°   | 1177.8 | 1049.8 | 924.5  | 790.3  | 644.3  | 500.1  | 365.9  | 255.0 | 173.0 | 123.5 | 101.8 |
| 37.5° | 1225.5 | 1084.0 | 949.7  | 813.7  | 662.3  | 508.2  | 366.8  | 248.7 | 162.2 | 113.5 | 94.6  |
| 40°   | 1266.1 | 1119.2 | 977.7  | 835.3  | 681.2  | 520.8  | 367.7  | 242.4 | 151.4 | 104.5 | 88.3  |
| 42.5° | 1302.1 | 1152.5 | 1007.4 | 859.7  | 702.9  | 535.3  | 373.1  | 237.0 | 142.4 | 96.4  | 82.0  |
| 45°   | 1330.0 | 1183.2 | 1039.9 | 893.9  | 738.0  | 558.7  | 383.0  | 233.4 | 133.4 | 89.2  | 76.6  |
| 47.5° | 1358.9 | 1228.2 | 1094.8 | 948.0  | 789.4  | 595.6  | 400.1  | 232.5 | 126.1 | 83.8  | 72.1  |
| 50°   | 1398.5 | 1273.2 | 1143.5 | 1002.9 | 836.2  | 633.5  | 420.8  | 233.4 | 117.2 | 78.4  | 67.6  |
| 52.5° | 1427.4 | 1319.2 | 1206.6 | 1098.4 | 948.0  | 748.8  | 501.0  | 249.6 | 112.6 | 73.9  | 62.1  |
| 55°   | 1597.6 | 1578.7 | 1581.4 | 1599.5 | 1483.2 | 1274.1 | 838.0  | 360.5 | 132.4 | 83.8  | 61.3  |
| 57.5° | 2252.7 | 2319.5 | 2358.2 | 2357.3 | 2165.3 | 1795.9 | 1125.5 | 463.2 | 147.8 | 97.3  | 73.0  |
| 60°   | 3114.2 | 3063.7 | 2992.6 | 2816.8 | 2561.8 | 2050.0 | 1258.9 | 498.3 | 128.0 | 77.5  | 66.7  |
| 62.5° | 3875.6 | 3580.1 | 3317.9 | 3033.1 | 2698.8 | 2138.3 | 1285.9 | 495.6 | 111.8 | 58.6  | 46.9  |
| 65°   | 4350.5 | 3818.9 | 3395.3 | 3038.5 | 2644.8 | 2064.4 | 1216.5 | 455.1 | 94.6  | 47.8  | 38.7  |
| 67.5° | 4464.1 | 3690.0 | 3090.8 | 2635.7 | 2209.5 | 1606.7 | 893.0  | 342.4 | 73.9  | 39.6  | 34.2  |
| 69°   | 4216.3 | 3280.0 | 2560.9 | 2044.6 | 1607.6 | 1066.0 | 552.4  | 216.3 | 56.7  | 36.1  | 31.5  |
| 70°   | 3878.4 | 2852.9 | 2086.0 | 1640.9 | 1190.4 | 748.8  | 386.5  | 152.3 | 45.9  | 33.3  | 28.8  |
| 72.5° | 2495.1 | 1498.5 | 1025.4 | 713.7  | 491.1  | 298.3  | 151.4  | 68.5  | 35.1  | 27.9  | 23.4  |
| 75°   | 967.8  | 554.2  | 401.9  | 305.4  | 238.8  | 165.8  | 91.9   | 44.1  | 29.7  | 23.4  | 18.0  |
| 77.5° | 476.7  | 364.9  | 298.3  | 204.6  | 118.9  | 73.9   | 49.6   | 34.2  | 24.3  | 17.1  | 11.7  |
| 80°   | 376.7  | 250.5  | 149.6  | 92.8   | 70.3   | 53.2   | 37.8   | 27.9  | 18.0  | 10.8  | 8.1   |
| 82.5° | 192.9  | 105.4  | 77.5   | 63.1   | 52.3   | 41.5   | 30.7   | 19.8  | 11.7  | 7.2   | 6.3   |
| 85°   | 60.4   | 44.1   | 39.6   | 38.7   | 36.1   | 29.7   | 21.6   | 12.6  | 7.2   | 4.5   | 4.5   |
| 87.5° | 4.5    | 6.3    | 8.1    | 6.3    | 7.2    | 6.3    | 8.1    | 5.4   | 3.6   | 3.6   | 2.7   |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 415.4 | 415.4 | 415.4 | 415.4 | 415.4 | 415.4 | 415.4 | 415.4 | 415.4 | 415.4 | 415.4 |
| 2.5°  | 378.5 | 367.7 | 357.7 | 351.4 | 339.7 | 335.2 | 330.7 | 328.9 | 320.8 | 322.6 | 315.4 |
| 5°    | 330.7 | 311.8 | 297.4 | 282.9 | 269.4 | 259.5 | 251.4 | 241.5 | 233.4 | 229.8 | 222.6 |
| 7.5°  | 287.4 | 263.1 | 244.2 | 228.9 | 212.6 | 200.0 | 189.2 | 182.0 | 174.8 | 167.6 | 164.0 |
| 10°   | 249.6 | 223.5 | 201.8 | 186.5 | 171.2 | 160.4 | 152.3 | 146.9 | 142.4 | 139.7 | 138.8 |
| 12.5° | 214.5 | 189.2 | 169.4 | 155.9 | 144.2 | 138.8 | 135.2 | 132.4 | 131.5 | 130.7 | 130.7 |
| 15°   | 187.4 | 162.2 | 146.9 | 137.0 | 131.5 | 128.9 | 128.0 | 126.1 | 124.4 | 123.5 | 123.5 |
| 17.5° | 162.2 | 143.2 | 132.4 | 127.0 | 124.4 | 122.6 | 120.7 | 118.9 | 117.2 | 116.2 | 116.2 |
| 20°   | 145.1 | 129.8 | 124.4 | 120.7 | 118.1 | 116.2 | 113.5 | 111.8 | 110.8 | 109.9 | 109.0 |
| 22.5° | 131.5 | 121.6 | 118.1 | 115.3 | 111.8 | 109.0 | 107.2 | 105.4 | 103.6 | 102.7 | 101.8 |
| 25°   | 121.6 | 115.3 | 112.6 | 109.0 | 105.4 | 102.7 | 100.0 | 97.3  | 95.5  | 94.6  | 92.8  |
| 27.5° | 114.4 | 109.9 | 106.3 | 101.8 | 98.2  | 95.5  | 92.8  | 90.1  | 88.3  | 86.5  | 85.6  |
| 30°   | 108.1 | 103.6 | 99.1  | 95.5  | 91.0  | 88.3  | 84.7  | 82.0  | 81.1  | 79.3  | 77.5  |
| 32.5° | 101.8 | 97.3  | 92.8  | 88.3  | 83.8  | 80.2  | 78.4  | 74.8  | 73.0  | 72.1  | 70.3  |
| 35°   | 94.6  | 90.1  | 84.7  | 81.1  | 76.6  | 73.0  | 70.3  | 67.6  | 65.8  | 64.0  | 63.1  |
| 37.5° | 88.3  | 82.9  | 77.5  | 73.0  | 69.4  | 65.8  | 63.1  | 60.4  | 58.6  | 56.7  | 55.9  |
| 40°   | 81.1  | 75.7  | 70.3  | 65.8  | 62.1  | 59.5  | 56.7  | 54.1  | 52.3  | 51.3  | 51.3  |
| 42.5° | 74.8  | 68.5  | 63.1  | 59.5  | 56.7  | 53.2  | 50.4  | 47.8  | 46.9  | 45.9  | 46.9  |
| 45°   | 68.5  | 62.1  | 57.7  | 54.1  | 51.3  | 47.8  | 45.0  | 43.3  | 42.4  | 43.3  | 44.1  |
| 47.5° | 63.1  | 56.7  | 52.3  | 49.6  | 46.9  | 44.1  | 41.5  | 39.6  | 39.6  | 41.5  | 43.3  |
| 50°   | 57.7  | 51.3  | 47.8  | 45.9  | 43.3  | 40.5  | 37.0  | 36.1  | 37.0  | 38.7  | 40.5  |
| 52.5° | 52.3  | 45.0  | 42.4  | 41.5  | 38.7  | 36.1  | 33.3  | 32.4  | 33.3  | 35.1  | 34.2  |
| 55°   | 46.9  | 39.6  | 38.7  | 37.8  | 35.1  | 31.5  | 28.8  | 28.8  | 28.8  | 27.9  | 26.1  |
| 57.5° | 45.0  | 35.1  | 34.2  | 33.3  | 30.7  | 27.0  | 25.2  | 23.4  | 22.5  | 19.8  | 18.9  |
| 60°   | 46.9  | 31.5  | 31.5  | 29.7  | 27.0  | 23.4  | 20.7  | 18.0  | 16.2  | 14.4  | 14.4  |
| 62.5° | 37.8  | 28.8  | 27.9  | 26.1  | 22.5  | 18.9  | 16.2  | 13.5  | 12.6  | 11.7  | 11.7  |
| 65°   | 30.7  | 26.1  | 24.3  | 21.6  | 18.9  | 15.3  | 12.6  | 10.8  | 9.9   | 9.9   | 10.8  |
| 67.5° | 27.9  | 23.4  | 20.7  | 18.0  | 15.3  | 11.7  | 9.9   | 9.0   | 9.0   | 9.9   | 9.9   |
| 69°   | 26.1  | 21.6  | 18.9  | 16.2  | 13.5  | 10.8  | 9.0   | 9.0   | 9.0   | 9.0   | 9.9   |
| 70°   | 24.3  | 20.7  | 18.0  | 15.3  | 11.7  | 9.0   | 8.1   | 8.1   | 9.0   | 9.0   | 9.9   |
| 72.5° | 18.9  | 16.2  | 15.3  | 12.6  | 9.0   | 8.1   | 7.2   | 8.1   | 8.1   | 9.0   | 9.0   |
| 75°   | 14.4  | 11.7  | 11.7  | 9.9   | 7.2   | 6.3   | 6.3   | 7.2   | 7.2   | 8.1   | 8.1   |
| 77.5° | 9.9   | 8.1   | 8.1   | 7.2   | 6.3   | 5.4   | 5.4   | 6.3   | 7.2   | 7.2   | 8.1   |
| 80°   | 7.2   | 6.3   | 5.4   | 6.3   | 5.4   | 4.5   | 5.4   | 6.3   | 6.3   | 7.2   | 7.2   |
| 82.5° | 5.4   | 5.4   | 5.4   | 5.4   | 4.5   | 4.5   | 5.4   | 5.4   | 6.3   | 7.2   | 7.2   |
| 85°   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   | 5.4   | 5.4   | 6.3   | 6.3   |
| 87.5° | 2.7   | 2.7   | 2.7   | 3.6   | 3.6   | 4.5   | 4.5   | 4.5   | 4.5   | 5.4   | 5.4   |
| 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: P164060

CATALOG NUMBER: RDG-F04-LED-E-U-SL4-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 415.4 | 415.4 | 415.4 | 415.4 |
| 2.5°  | 313.6 | 312.7 | 309.1 | 310.0 |
| 5°    | 219.9 | 214.5 | 218.1 | 217.2 |
| 7.5°  | 161.3 | 160.4 | 159.5 | 161.3 |
| 10°   | 137.8 | 137.8 | 137.0 | 137.8 |
| 12.5° | 129.8 | 129.8 | 129.8 | 129.8 |
| 15°   | 123.5 | 123.5 | 122.6 | 122.6 |
| 17.5° | 116.2 | 116.2 | 116.2 | 115.3 |
| 20°   | 109.0 | 108.1 | 108.1 | 108.1 |
| 22.5° | 100.9 | 100.0 | 100.0 | 100.0 |
| 25°   | 92.8  | 91.9  | 91.9  | 91.9  |
| 27.5° | 84.7  | 83.8  | 82.9  | 82.9  |
| 30°   | 76.6  | 75.7  | 74.8  | 74.8  |
| 32.5° | 68.5  | 67.6  | 66.7  | 66.7  |
| 35°   | 61.3  | 61.3  | 60.4  | 59.5  |
| 37.5° | 55.0  | 55.0  | 55.0  | 55.0  |
| 40°   | 50.4  | 51.3  | 51.3  | 51.3  |
| 42.5° | 47.8  | 48.7  | 49.6  | 50.4  |
| 45°   | 45.9  | 47.8  | 48.7  | 48.7  |
| 47.5° | 45.0  | 45.9  | 46.9  | 46.9  |
| 50°   | 41.5  | 40.5  | 40.5  | 40.5  |
| 52.5° | 33.3  | 31.5  | 30.7  | 29.7  |
| 55°   | 24.3  | 23.4  | 21.6  | 21.6  |
| 57.5° | 17.1  | 17.1  | 16.2  | 16.2  |
| 60°   | 13.5  | 13.5  | 12.6  | 13.5  |
| 62.5° | 11.7  | 11.7  | 11.7  | 11.7  |
| 65°   | 10.8  | 10.8  | 10.8  | 10.8  |
| 67.5° | 10.8  | 10.8  | 10.8  | 10.8  |
| 69°   | 9.9   | 9.9   | 9.9   | 9.9   |
| 70°   | 9.9   | 9.9   | 9.9   | 9.9   |
| 72.5° | 9.0   | 9.0   | 9.0   | 9.0   |
| 75°   | 8.1   | 9.0   | 9.0   | 9.0   |
| 77.5° | 8.1   | 8.1   | 8.1   | 8.1   |
| 80°   | 7.2   | 7.2   | 8.1   | 8.1   |
| 82.5° | 7.2   | 7.2   | 7.2   | 7.2   |
| 85°   | 6.3   | 6.3   | 7.2   | 7.2   |
| 87.5° | 5.4   | 5.4   | 6.3   | 6.3   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)