

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: P561127

Luminaire Tested: **SDL-PA1-80-760-U-SL3**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561127  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-80-760-U-SL3  
Description: Springdale  
(1) 70 CRI, 5700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9281.1 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 82  
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: 24 FT



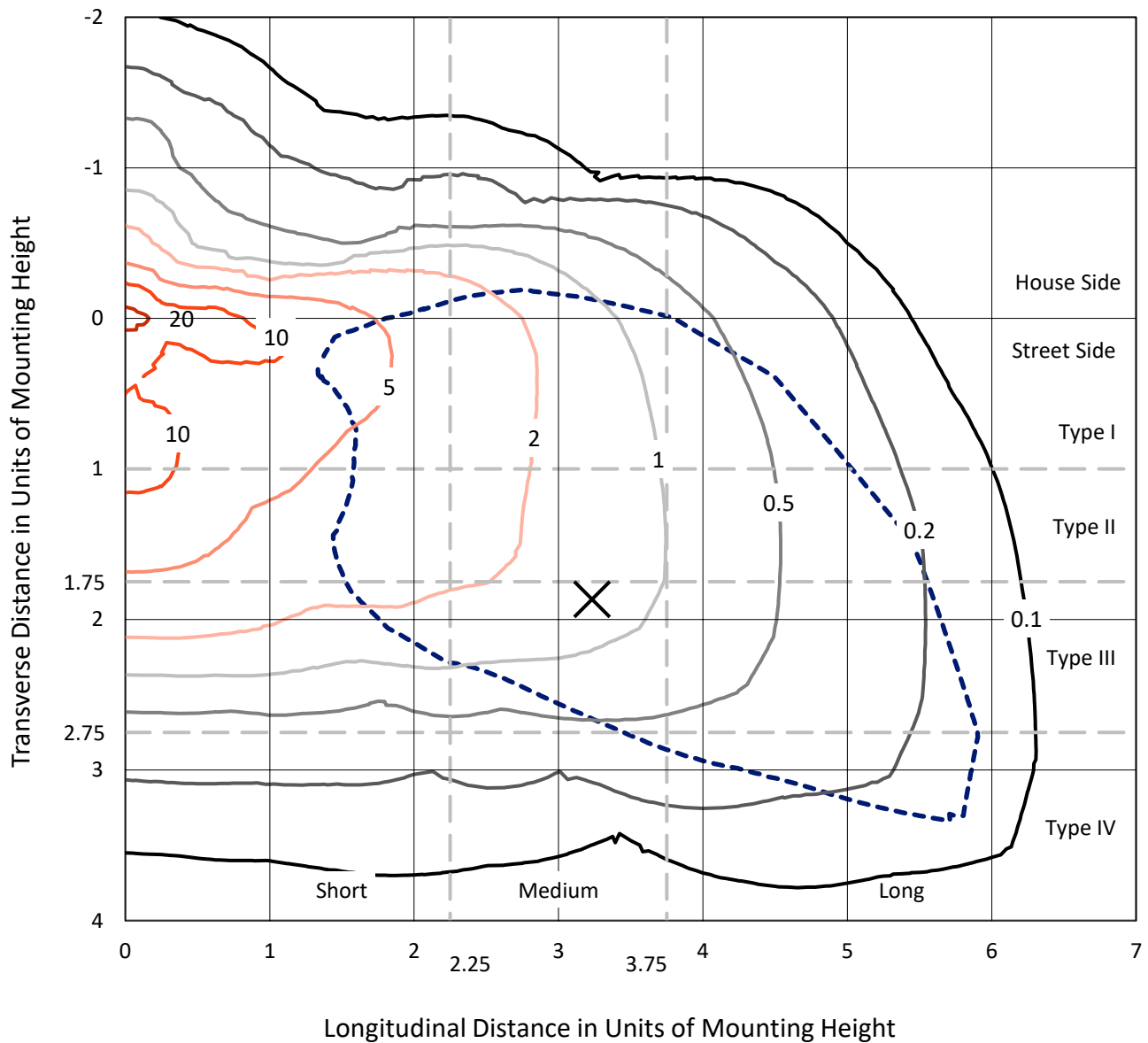
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

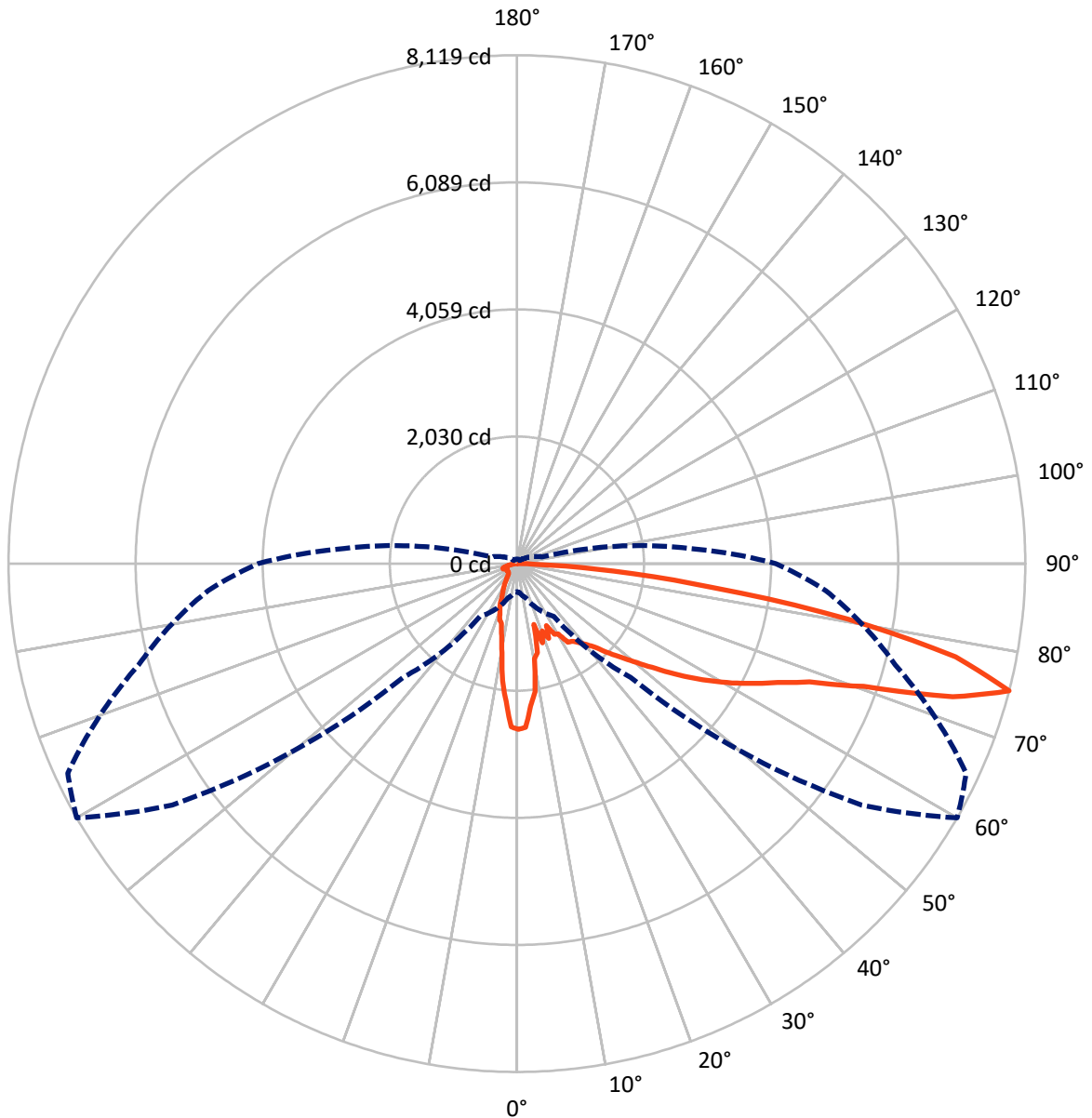


Based on 10 foot mounting height. Maximum calculated value = 26.5 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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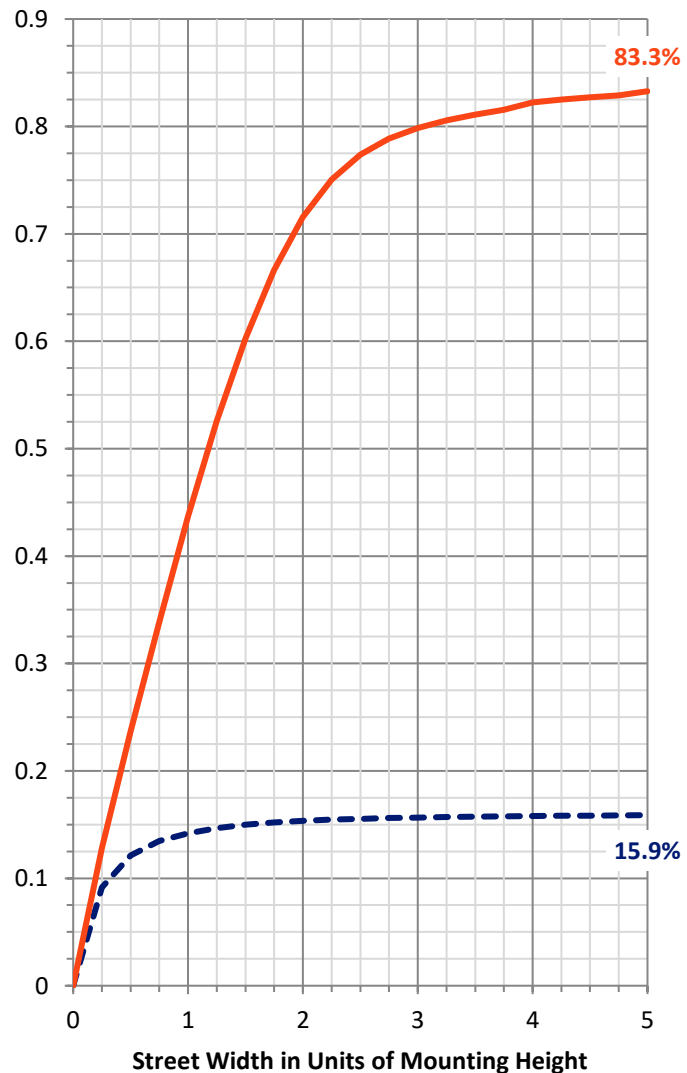
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1491.8   | 0.0    | 1491.8 |
|                    | % Fixture | 16.1     | 0.0    | 16.1   |
| <b>Street Side</b> | Lumens    | 7789.3   | 0.0    | 7789.3 |
|                    | % Fixture | 83.9     | 0.0    | 83.9   |
| <b>Total</b>       | Lumens    | 9281.1   | 0.0    | 9281.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 193.1  | 2.1       |
| 10°-20°   | 348.4  | 3.8       |
| 20°-30°   | 456.4  | 4.9       |
| 30°-40°   | 753.2  | 8.1       |
| 40°-50°   | 1176.2 | 12.7      |
| 50°-60°   | 1790.7 | 19.3      |
| 60°-70°   | 2218.7 | 23.9      |
| 70°-80°   | 1960.1 | 21.1      |
| 80°-90°   | 384.2  | 4.1       |
| 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°    | 9281.1 | 100.0     |
| 0°-180°   | 9281.1 | 100.0     |



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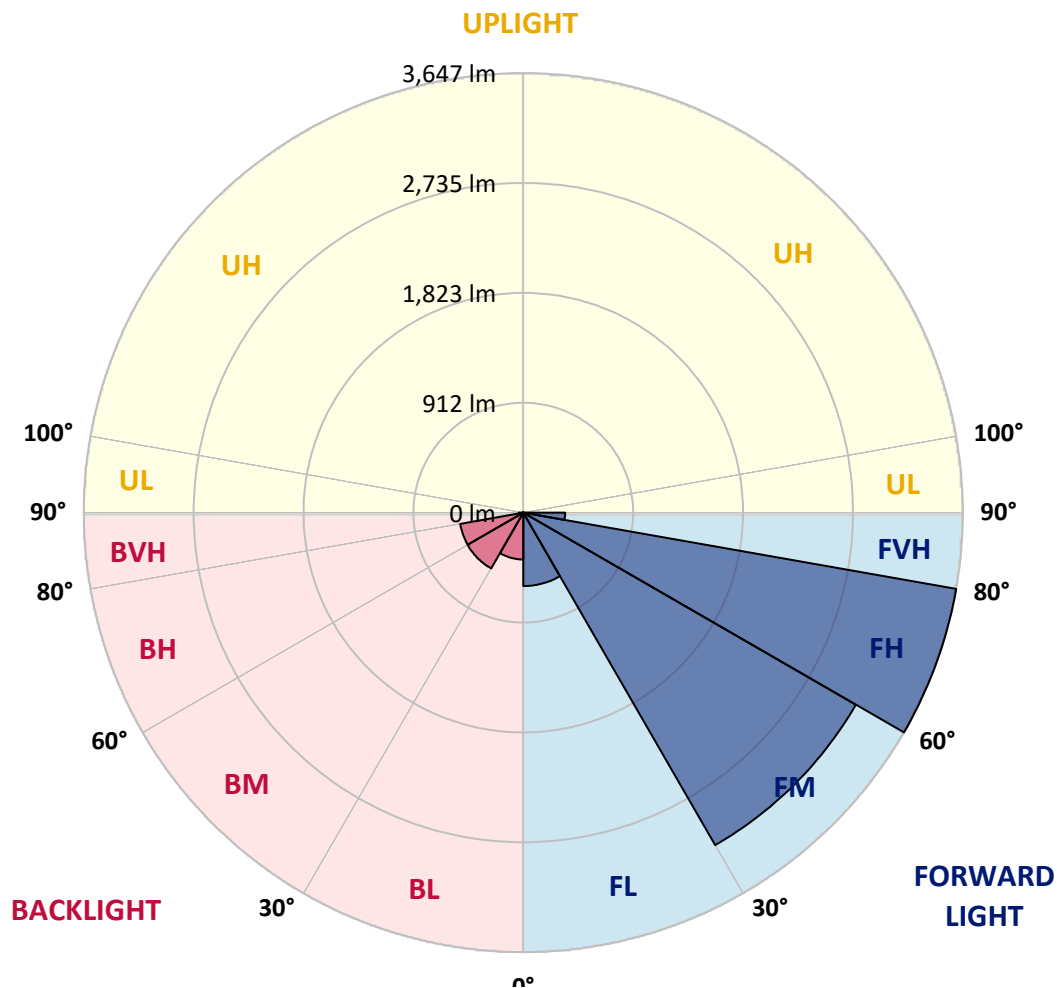
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 609.3  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 3185.5 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 3646.8 | 39.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 347.6  | 3.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 388.7  | 4.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 534.5  | 5.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 532.0  | 5.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 36.6   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 |
| 2.5°  | 2198.7 | 2446.8 | 2389.1 | 2331.3 | 2419.6 | 2504.6 | 2531.8 | 2555.6 | 2569.2 | 2582.8 | 2596.4 |
| 5°    | 2042.4 | 2045.8 | 2049.2 | 2052.6 | 2062.8 | 2069.6 | 2083.2 | 2096.8 | 2110.4 | 2120.6 | 2134.2 |
| 7.5°  | 1576.8 | 1631.2 | 1719.6 | 1807.9 | 1862.3 | 1913.3 | 1943.9 | 1971.1 | 1991.4 | 2011.8 | 2032.2 |
| 10°   | 1753.6 | 1763.8 | 1767.2 | 1767.2 | 1784.1 | 1801.1 | 1672.0 | 1539.5 | 1604.0 | 1668.6 | 1597.2 |
| 12.5° | 1376.3 | 1413.7 | 1525.9 | 1634.6 | 1668.6 | 1699.2 | 1638.0 | 1576.8 | 1481.7 | 1383.1 | 1376.3 |
| 15°   | 1580.2 | 1590.4 | 1593.8 | 1593.8 | 1488.5 | 1383.1 | 1311.8 | 1237.0 | 1294.8 | 1349.2 | 1223.4 |
| 17.5° | 1223.4 | 1233.6 | 1322.0 | 1410.3 | 1427.3 | 1444.3 | 1369.5 | 1294.8 | 1128.3 | 958.3  | 1118.1 |
| 20°   | 1454.5 | 1461.3 | 1461.3 | 1461.3 | 1284.6 | 1107.9 | 1121.5 | 1131.7 | 1186.0 | 1240.4 | 1196.2 |
| 22.5° | 1172.4 | 1172.4 | 1172.4 | 1172.4 | 1226.8 | 1277.8 | 1169.0 | 1060.3 | 1121.5 | 1182.6 | 1128.3 |
| 25°   | 1474.9 | 1485.1 | 1461.3 | 1434.1 | 1271.0 | 1107.9 | 1158.8 | 1209.8 | 1118.1 | 1026.3 | 1107.9 |
| 27.5° | 1345.8 | 1335.6 | 1288.0 | 1237.0 | 1260.8 | 1284.6 | 1172.4 | 1060.3 | 1131.7 | 1203.0 | 1169.0 |
| 30°   | 1787.5 | 1757.0 | 1706.0 | 1655.0 | 1461.3 | 1267.6 | 1237.0 | 1206.4 | 1145.3 | 1080.7 | 1152.0 |
| 32.5° | 2375.5 | 2297.3 | 2059.4 | 1821.5 | 1702.6 | 1583.6 | 1430.7 | 1277.8 | 1264.2 | 1247.2 | 1267.6 |
| 35°   | 2531.8 | 2480.8 | 2382.3 | 2280.3 | 2076.4 | 1869.1 | 1675.4 | 1478.3 | 1413.7 | 1345.8 | 1359.4 |
| 37.5° | 2562.4 | 2545.4 | 2525.0 | 2501.2 | 2293.9 | 2086.6 | 1875.9 | 1665.2 | 1597.2 | 1525.9 | 1474.9 |
| 40°   | 2586.2 | 2599.8 | 2637.1 | 2671.1 | 2463.8 | 2253.1 | 2062.8 | 1869.1 | 1797.7 | 1723.0 | 1634.6 |
| 42.5° | 2694.9 | 2732.3 | 2779.9 | 2824.1 | 2633.7 | 2443.4 | 2276.9 | 2110.4 | 2018.6 | 1926.9 | 1845.3 |
| 45°   | 2946.4 | 2966.8 | 3017.8 | 3065.3 | 2885.2 | 2701.7 | 2511.4 | 2317.7 | 2239.5 | 2161.4 | 2079.8 |
| 47.5° | 3313.4 | 3347.4 | 3344.0 | 3340.6 | 3140.1 | 2936.2 | 2722.1 | 2504.6 | 2453.6 | 2399.3 | 2321.1 |
| 50°   | 3775.6 | 3751.8 | 3687.2 | 3622.7 | 3405.2 | 3184.3 | 2932.8 | 2677.9 | 2654.1 | 2626.9 | 2562.4 |
| 52.5° | 4006.7 | 3989.7 | 3901.3 | 3809.6 | 3588.7 | 3367.8 | 3095.9 | 2820.7 | 2851.2 | 2881.8 | 2820.7 |
| 55°   | 4020.3 | 4010.1 | 3945.5 | 3880.9 | 3666.8 | 3452.7 | 3211.5 | 2970.2 | 3044.9 | 3119.7 | 3095.9 |
| 57.5° | 3921.7 | 3925.1 | 3904.7 | 3880.9 | 3690.6 | 3500.3 | 3299.8 | 3099.3 | 3228.5 | 3354.2 | 3378.0 |
| 60°   | 3670.2 | 3721.2 | 3755.2 | 3789.2 | 3670.2 | 3551.3 | 3378.0 | 3204.7 | 3401.8 | 3598.9 | 3663.4 |
| 62.5° | 3204.7 | 3248.8 | 3371.2 | 3490.1 | 3513.9 | 3534.3 | 3418.8 | 3299.8 | 3564.9 | 3826.6 | 3931.9 |
| 65°   | 2484.2 | 2545.4 | 2728.9 | 2912.4 | 3102.7 | 3293.0 | 3320.2 | 3347.4 | 3796.0 | 4244.6 | 4332.9 |
| 67.5° | 1549.7 | 1583.6 | 1777.4 | 1967.7 | 2351.7 | 2732.3 | 2949.8 | 3167.3 | 3942.1 | 4713.5 | 4852.9 |
| 70°   | 819.0  | 870.0  | 965.1  | 1056.9 | 1386.5 | 1716.2 | 2158.0 | 2599.8 | 3721.2 | 4842.7 | 5413.6 |
| 72.5° | 621.9  | 642.3  | 693.3  | 744.2  | 859.8  | 975.3  | 1254.0 | 1532.7 | 2912.4 | 4288.8 | 5603.9 |
| 75°   | 448.6  | 465.6  | 520.0  | 570.9  | 686.5  | 798.6  | 914.2  | 1026.3 | 1797.7 | 2569.2 | 4645.6 |
| 77.5° | 261.7  | 268.5  | 295.7  | 319.4  | 499.6  | 679.7  | 805.4  | 927.8  | 1114.7 | 1298.2 | 3316.8 |
| 80°   | 180.1  | 183.5  | 193.7  | 203.9  | 282.1  | 360.2  | 601.5  | 842.8  | 927.8  | 1009.3 | 2198.7 |
| 82.5° | 118.9  | 135.9  | 142.7  | 149.5  | 176.7  | 203.9  | 353.4  | 499.6  | 734.0  | 965.1  | 1502.1 |
| 85°   | 61.2   | 68.0   | 81.6   | 91.8   | 105.3  | 115.5  | 159.7  | 200.5  | 608.3  | 1012.7 | 1080.7 |
| 87.5° | 6.8    | 10.2   | 13.6   | 13.6   | 17.0   | 20.4   | 30.6   | 40.8   | 183.5  | 326.2  | 278.7  |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 |
| 2.5°  | 2610.0 | 2616.7 | 2613.4 | 2620.1 | 2623.5 | 2626.9 | 2630.3 | 2630.3 | 2626.9 | 2620.1 | 2613.4 |
| 5°    | 2147.8 | 2283.7 | 2514.8 | 2538.6 | 2562.4 | 2569.2 | 2576.0 | 2579.4 | 2572.6 | 2562.4 | 2552.2 |
| 7.5°  | 2049.2 | 2069.6 | 1862.3 | 2028.8 | 2192.0 | 2205.5 | 2215.7 | 2208.9 | 2212.3 | 2120.6 | 2025.4 |
| 10°   | 1525.9 | 1542.9 | 1549.7 | 1600.6 | 1648.2 | 1760.4 | 1872.5 | 1855.5 | 1841.9 | 1678.8 | 1512.3 |
| 12.5° | 1369.5 | 1457.9 | 1478.3 | 1393.3 | 1308.4 | 1423.9 | 1539.5 | 1525.9 | 1502.1 | 1352.6 | 1203.0 |
| 15°   | 1097.7 | 1005.9 | 1203.0 | 1386.5 | 1566.7 | 1675.4 | 1780.7 | 1750.2 | 1723.0 | 1532.7 | 1339.0 |
| 17.5° | 1274.4 | 1328.8 | 1264.2 | 1291.4 | 1318.6 | 1400.1 | 1478.3 | 1430.7 | 1413.7 | 1281.2 | 1145.3 |
| 20°   | 1152.0 | 1148.7 | 1104.5 | 1264.2 | 1423.9 | 1583.6 | 1740.0 | 1692.4 | 1610.8 | 1352.6 | 1090.9 |
| 22.5° | 1073.9 | 1294.8 | 1389.9 | 1369.5 | 1345.8 | 1284.6 | 1220.0 | 1179.2 | 1118.1 | 1060.3 | 999.1  |
| 25°   | 1186.0 | 1094.3 | 1169.0 | 1413.7 | 1655.0 | 1699.2 | 1743.4 | 1641.4 | 1508.9 | 1247.2 | 985.5  |
| 27.5° | 1135.1 | 1277.8 | 1372.9 | 1536.1 | 1695.8 | 1848.7 | 2001.6 | 1865.7 | 1692.4 | 1366.1 | 1036.5 |
| 30°   | 1223.4 | 1301.6 | 1566.7 | 1872.5 | 2178.4 | 2232.7 | 2283.7 | 2096.8 | 1865.7 | 1536.1 | 1206.4 |
| 32.5° | 1288.0 | 1495.3 | 1729.8 | 1967.7 | 2202.1 | 2242.9 | 2283.7 | 2073.0 | 1807.9 | 1444.3 | 1080.7 |
| 35°   | 1369.5 | 1522.5 | 1736.6 | 2015.2 | 2293.9 | 2304.1 | 2310.9 | 2066.2 | 1767.2 | 1356.0 | 941.4  |
| 37.5° | 1423.9 | 1597.2 | 1828.3 | 2124.0 | 2419.6 | 2399.3 | 2375.5 | 2096.8 | 1753.6 | 1294.8 | 836.0  |
| 40°   | 1546.3 | 1695.8 | 1943.9 | 2246.3 | 2548.8 | 2514.8 | 2480.8 | 2161.4 | 1757.0 | 1233.6 | 706.9  |
| 42.5° | 1760.4 | 1818.1 | 2086.6 | 2409.4 | 2732.3 | 2694.9 | 2654.1 | 2273.5 | 1797.7 | 1199.6 | 598.1  |
| 45°   | 1994.8 | 2022.0 | 2253.1 | 2620.1 | 2987.2 | 2939.6 | 2892.0 | 2446.8 | 1872.5 | 1182.6 | 492.8  |
| 47.5° | 2239.5 | 2232.7 | 2446.8 | 2892.0 | 3333.8 | 3231.9 | 3129.9 | 2650.7 | 2011.8 | 1216.6 | 421.4  |
| 50°   | 2494.4 | 2484.2 | 2691.5 | 3170.7 | 3649.9 | 3541.1 | 3432.4 | 2895.4 | 2171.6 | 1277.8 | 380.6  |
| 52.5° | 2756.1 | 2779.9 | 2932.8 | 3432.4 | 3928.5 | 3830.0 | 3728.0 | 3160.5 | 2327.9 | 1345.8 | 363.6  |
| 55°   | 3068.7 | 3143.5 | 3204.7 | 3704.2 | 4203.8 | 4105.2 | 4003.3 | 3432.4 | 2545.4 | 1451.1 | 356.8  |
| 57.5° | 3398.4 | 3496.9 | 3524.1 | 3979.5 | 4434.9 | 4370.3 | 4302.3 | 3690.6 | 2766.3 | 1573.4 | 377.2  |
| 60°   | 3728.0 | 3857.2 | 3955.7 | 4322.7 | 4686.4 | 4611.6 | 4536.8 | 3952.3 | 2973.6 | 1709.4 | 445.2  |
| 62.5° | 4033.9 | 4214.0 | 4373.7 | 4642.2 | 4907.3 | 4818.9 | 4730.5 | 4180.0 | 3208.1 | 1896.3 | 581.1  |
| 65°   | 4417.9 | 4577.6 | 4750.9 | 4927.6 | 5101.0 | 5016.0 | 4931.0 | 4465.5 | 3520.7 | 2130.8 | 737.4  |
| 67.5° | 4992.2 | 5039.8 | 5128.1 | 5236.9 | 5342.2 | 5291.3 | 5236.9 | 4815.5 | 3792.6 | 2266.7 | 737.4  |
| 70°   | 5981.1 | 5875.8 | 5743.3 | 5739.9 | 5733.1 | 5651.5 | 5566.5 | 5012.6 | 3809.6 | 2212.3 | 615.1  |
| 72.5° | 6915.7 | 7275.9 | 6854.5 | 6548.7 | 6242.8 | 5882.6 | 5519.0 | 4747.5 | 3364.4 | 1926.9 | 489.4  |
| 75°   | 6718.6 | 8118.7 | 7914.8 | 7085.6 | 6256.4 | 5603.9 | 4951.4 | 4135.8 | 2769.7 | 1593.8 | 418.0  |
| 77.5° | 5332.1 | 7163.8 | 7357.5 | 6596.2 | 5831.6 | 4948.0 | 4061.1 | 3197.9 | 1920.1 | 1135.1 | 350.0  |
| 80°   | 3384.8 | 5355.8 | 5389.8 | 4683.0 | 3972.7 | 3024.6 | 2076.4 | 1393.3 | 924.4  | 601.5  | 278.7  |
| 82.5° | 2039.0 | 3170.7 | 2759.5 | 1977.9 | 1196.2 | 829.2  | 458.8  | 441.8  | 339.8  | 251.5  | 163.1  |
| 85°   | 1148.7 | 1553.1 | 1114.7 | 730.7  | 346.6  | 248.1  | 146.1  | 156.3  | 149.5  | 122.3  | 91.8   |
| 87.5° | 227.7  | 268.5  | 183.5  | 105.3  | 27.2   | 27.2   | 23.8   | 23.8   | 17.0   | 17.0   | 13.6   |
| 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°    | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 | 2647.3 |
| 2.5°  | 2613.4 | 2613.4 | 2606.6 | 2599.8 | 2596.4 | 2593.0 | 2491.0 | 2389.1 | 2321.1 | 2249.7 | 2232.7 |
| 5°    | 2426.4 | 2300.7 | 2205.5 | 2110.4 | 2090.0 | 2069.6 | 2066.2 | 2062.8 | 2052.6 | 2039.0 | 2035.6 |
| 7.5°  | 1916.7 | 1804.5 | 1882.7 | 1957.5 | 1943.9 | 1926.9 | 1916.7 | 1903.1 | 1879.3 | 1855.5 | 1736.6 |
| 10°   | 1474.9 | 1437.5 | 1437.5 | 1434.1 | 1406.9 | 1379.7 | 1440.9 | 1502.1 | 1570.0 | 1638.0 | 1631.2 |
| 12.5° | 1257.4 | 1308.4 | 1175.8 | 1039.9 | 1114.7 | 1186.0 | 1254.0 | 1318.6 | 1352.6 | 1386.5 | 1281.2 |
| 15°   | 1186.0 | 1029.7 | 985.5  | 941.4  | 975.3  | 1009.3 | 910.8  | 808.8  | 887.0  | 965.1  | 982.1  |
| 17.5° | 1063.7 | 982.1  | 938.0  | 890.4  | 761.2  | 628.7  | 672.9  | 717.1  | 713.7  | 710.3  | 693.3  |
| 20°   | 992.3  | 890.4  | 812.2  | 730.7  | 669.5  | 608.3  | 543.7  | 475.8  | 445.2  | 411.2  | 492.8  |
| 22.5° | 944.7  | 890.4  | 727.3  | 564.1  | 516.6  | 469.0  | 418.0  | 363.6  | 384.0  | 401.0  | 414.6  |
| 25°   | 825.8  | 662.7  | 570.9  | 479.2  | 404.4  | 326.2  | 329.6  | 333.0  | 316.0  | 299.1  | 377.2  |
| 27.5° | 836.0  | 632.1  | 489.4  | 346.6  | 319.4  | 288.9  | 271.9  | 251.5  | 278.7  | 302.5  | 309.3  |
| 30°   | 876.8  | 547.1  | 414.6  | 282.1  | 251.5  | 220.9  | 231.1  | 237.9  | 237.9  | 237.9  | 271.9  |
| 32.5° | 778.2  | 475.8  | 353.4  | 227.7  | 210.7  | 190.3  | 193.7  | 193.7  | 210.7  | 227.7  | 244.7  |
| 35°   | 659.3  | 373.8  | 288.9  | 200.5  | 183.5  | 166.5  | 173.3  | 180.1  | 197.1  | 214.1  | 237.9  |
| 37.5° | 567.5  | 295.7  | 237.9  | 180.1  | 169.9  | 159.7  | 163.1  | 166.5  | 183.5  | 197.1  | 217.5  |
| 40°   | 479.2  | 248.1  | 210.7  | 173.3  | 163.1  | 152.9  | 156.3  | 156.3  | 169.9  | 183.5  | 197.1  |
| 42.5° | 414.6  | 227.7  | 200.5  | 169.9  | 159.7  | 146.1  | 149.5  | 149.5  | 159.7  | 169.9  | 180.1  |
| 45°   | 356.8  | 217.5  | 193.7  | 166.5  | 156.3  | 142.7  | 142.7  | 139.3  | 149.5  | 156.3  | 163.1  |
| 47.5° | 319.4  | 214.1  | 190.3  | 166.5  | 152.9  | 135.9  | 132.5  | 129.1  | 139.3  | 146.1  | 156.3  |
| 50°   | 299.1  | 214.1  | 190.3  | 163.1  | 146.1  | 129.1  | 125.7  | 122.3  | 135.9  | 146.1  | 163.1  |
| 52.5° | 292.3  | 217.5  | 190.3  | 163.1  | 142.7  | 122.3  | 122.3  | 122.3  | 146.1  | 169.9  | 176.7  |
| 55°   | 292.3  | 224.3  | 193.7  | 159.7  | 139.3  | 118.9  | 125.7  | 132.5  | 139.3  | 146.1  | 146.1  |
| 57.5° | 299.1  | 220.9  | 186.9  | 152.9  | 139.3  | 122.3  | 118.9  | 115.5  | 118.9  | 122.3  | 122.3  |
| 60°   | 329.6  | 214.1  | 180.1  | 146.1  | 129.1  | 112.1  | 108.7  | 105.3  | 112.1  | 115.5  | 115.5  |
| 62.5° | 397.6  | 210.7  | 180.1  | 146.1  | 125.7  | 105.3  | 105.3  | 102.0  | 105.3  | 108.7  | 112.1  |
| 65°   | 486.0  | 234.5  | 190.3  | 146.1  | 125.7  | 105.3  | 98.6   | 91.8   | 98.6   | 102.0  | 102.0  |
| 67.5° | 506.4  | 275.3  | 220.9  | 163.1  | 132.5  | 102.0  | 95.2   | 88.4   | 95.2   | 98.6   | 98.6   |
| 70°   | 458.8  | 302.5  | 237.9  | 173.3  | 139.3  | 102.0  | 95.2   | 85.0   | 88.4   | 91.8   | 88.4   |
| 72.5° | 394.2  | 295.7  | 234.5  | 169.9  | 135.9  | 98.6   | 91.8   | 81.6   | 85.0   | 85.0   | 81.6   |
| 75°   | 336.4  | 254.9  | 200.5  | 142.7  | 115.5  | 85.0   | 78.2   | 71.4   | 74.8   | 74.8   | 74.8   |
| 77.5° | 282.1  | 210.7  | 163.1  | 112.1  | 91.8   | 68.0   | 64.6   | 61.2   | 64.6   | 68.0   | 64.6   |
| 80°   | 220.9  | 159.7  | 122.3  | 81.6   | 68.0   | 51.0   | 54.4   | 54.4   | 57.8   | 57.8   | 57.8   |
| 82.5° | 129.1  | 95.2   | 78.2   | 57.8   | 47.6   | 37.4   | 40.8   | 44.2   | 47.6   | 47.6   | 47.6   |
| 85°   | 78.2   | 61.2   | 51.0   | 40.8   | 34.0   | 23.8   | 30.6   | 34.0   | 34.0   | 34.0   | 30.6   |
| 87.5° | 13.6   | 13.6   | 13.6   | 13.6   | 10.2   | 6.8    | 13.6   | 17.0   | 17.0   | 17.0   | 13.6   |
| 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):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 2647.3 | 2647.3 | 2647.3 | 2647.3 |
| 2.5°  | 2212.3 | 2212.3 | 2208.9 | 2208.9 |
| 5°    | 2032.2 | 2025.4 | 2018.6 | 2025.4 |
| 7.5°  | 1617.6 | 1570.0 | 1522.5 | 1536.1 |
| 10°   | 1621.0 | 1617.6 | 1614.2 | 1610.8 |
| 12.5° | 1172.4 | 1135.1 | 1097.7 | 1073.9 |
| 15°   | 995.7  | 985.5  | 971.9  | 971.9  |
| 17.5° | 672.9  | 642.3  | 611.7  | 591.3  |
| 20°   | 574.3  | 591.3  | 604.9  | 611.7  |
| 22.5° | 428.2  | 441.8  | 455.4  | 462.2  |
| 25°   | 452.0  | 486.0  | 516.6  | 520.0  |
| 27.5° | 312.7  | 329.6  | 343.2  | 336.4  |
| 30°   | 305.9  | 316.0  | 326.2  | 326.2  |
| 32.5° | 261.7  | 288.9  | 316.0  | 319.4  |
| 35°   | 261.7  | 275.3  | 288.9  | 292.3  |
| 37.5° | 234.5  | 244.7  | 251.5  | 254.9  |
| 40°   | 210.7  | 217.5  | 220.9  | 220.9  |
| 42.5° | 186.9  | 203.9  | 217.5  | 217.5  |
| 45°   | 166.5  | 210.7  | 254.9  | 268.5  |
| 47.5° | 163.1  | 227.7  | 292.3  | 305.9  |
| 50°   | 176.7  | 237.9  | 295.7  | 302.5  |
| 52.5° | 180.1  | 214.1  | 244.7  | 244.7  |
| 55°   | 142.7  | 159.7  | 173.3  | 169.9  |
| 57.5° | 122.3  | 135.9  | 146.1  | 146.1  |
| 60°   | 115.5  | 132.5  | 146.1  | 149.5  |
| 62.5° | 112.1  | 118.9  | 125.7  | 132.5  |
| 65°   | 102.0  | 102.0  | 102.0  | 102.0  |
| 67.5° | 95.2   | 95.2   | 91.8   | 91.8   |
| 70°   | 85.0   | 85.0   | 85.0   | 85.0   |
| 72.5° | 78.2   | 78.2   | 78.2   | 74.8   |
| 75°   | 71.4   | 71.4   | 68.0   | 68.0   |
| 77.5° | 61.2   | 61.2   | 61.2   | 61.2   |
| 80°   | 54.4   | 54.4   | 51.0   | 51.0   |
| 82.5° | 44.2   | 44.2   | 40.8   | 37.4   |
| 85°   | 27.2   | 27.2   | 23.8   | 20.4   |
| 87.5° | 10.2   | 10.2   | 6.8    | 3.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |



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