

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: P559808

Luminaire Tested: **SDL-PA1-100-727-U-T2R-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559808  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-100-727-U-T2R-A  
Description: Springdale  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS  
AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7074.5 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U3 - G2

Input Watts (W): 93.8  
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

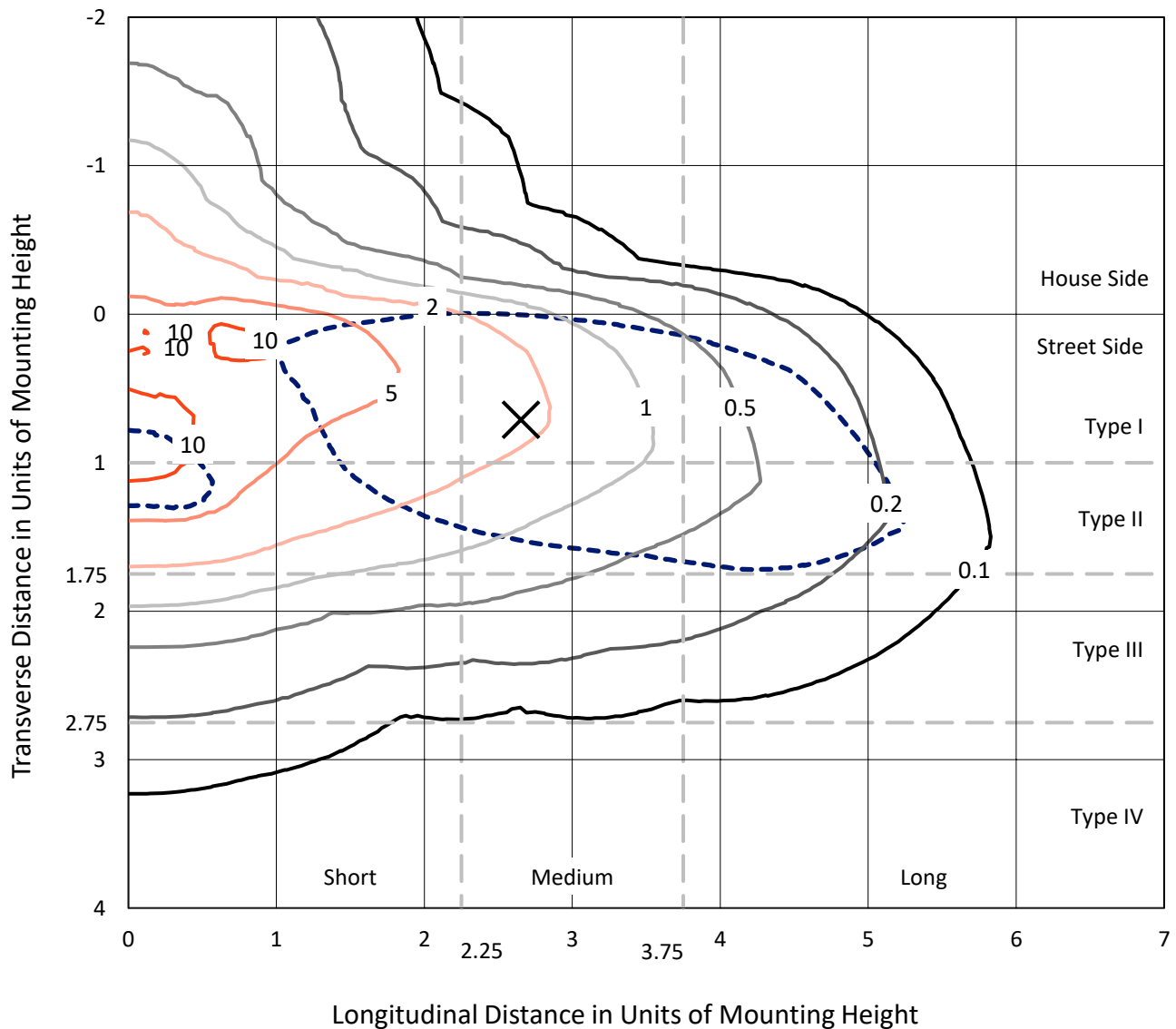


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

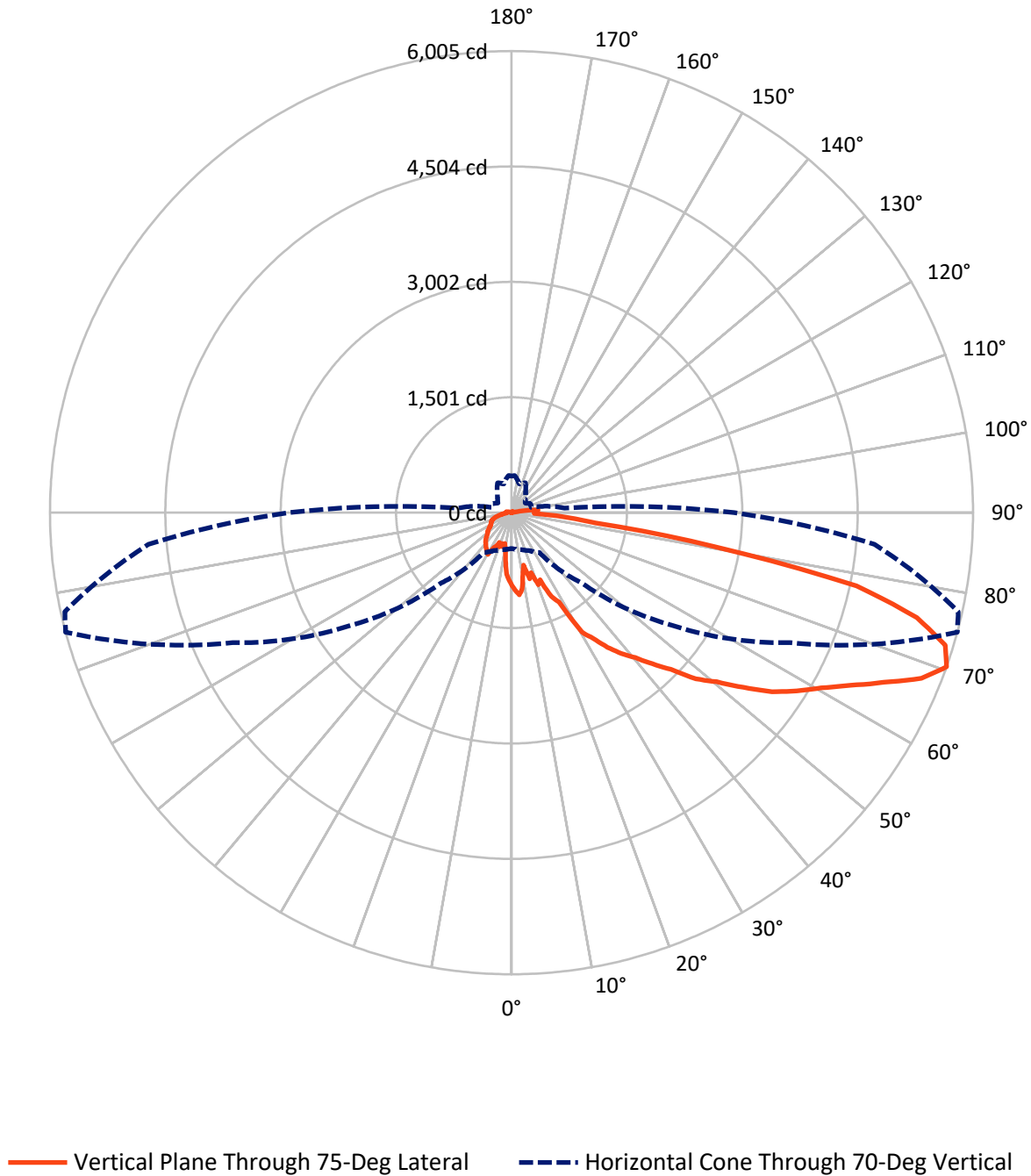


Based on 10 foot mounting height. Maximum calculated value = 14.7 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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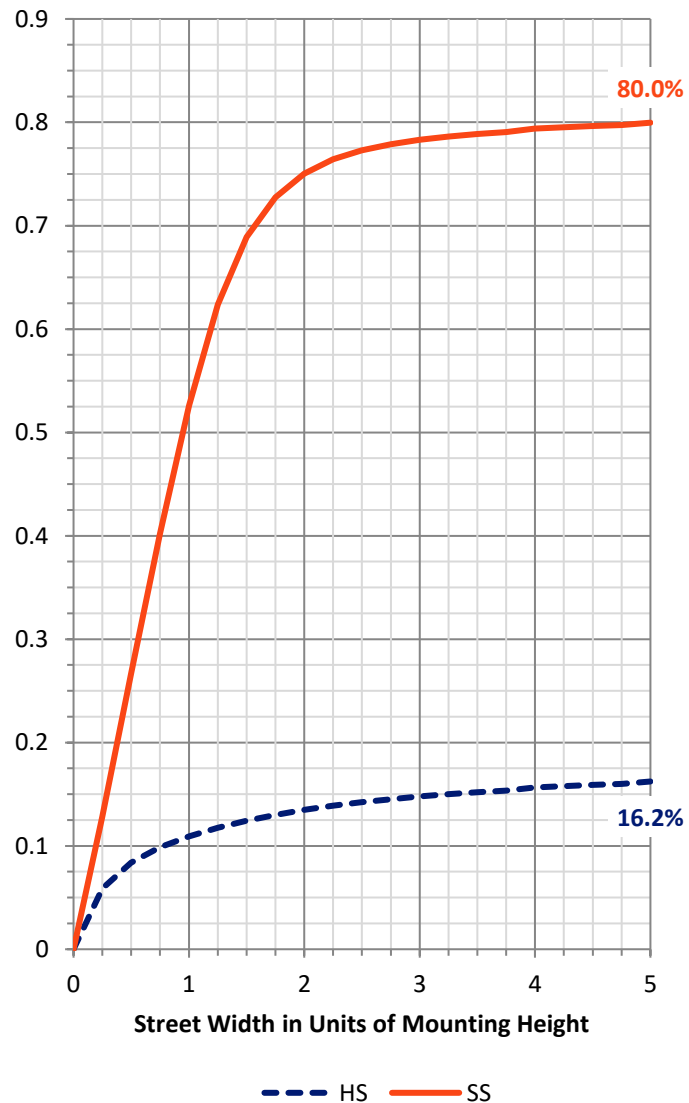
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1209.4   | 72.3   | 1281.7 |
|                    | % Fixture | 17.1     | 1.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 5701.3   | 91.5   | 5792.8 |
|                    | % Fixture | 80.6     | 1.3    | 81.9   |
| <b>Total</b>       | Lumens    | 6910.7   | 163.8  | 7074.5 |
|                    | % Fixture | 97.7     | 2.3    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 79.0   | 1.1       |
| 10°-20°   | 206.3  | 2.9       |
| 20°-30°   | 372.5  | 5.3       |
| 30°-40°   | 761.2  | 10.8      |
| 40°-50°   | 1195.4 | 16.9      |
| 50°-60°   | 1467.9 | 20.7      |
| 60°-70°   | 1459.9 | 20.6      |
| 70°-80°   | 1079.8 | 15.3      |
| 80°-90°   | 288.5  | 4.1       |
| 90°-100°  | 106.6  | 1.5       |
| 100°-110° | 24.9   | 0.4       |
| 110°-120° | 11.8   | 0.2       |
| 120°-130° | 10.5   | 0.1       |
| 130°-140° | 5.1    | 0.1       |
| 140°-150° | 2.5    | 0.0       |
| 150°-160° | 2.2    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6910.7 | 97.7      |
| 0°-180°   | 7074.5 | 100.0     |

**Coefficient of Utilization**



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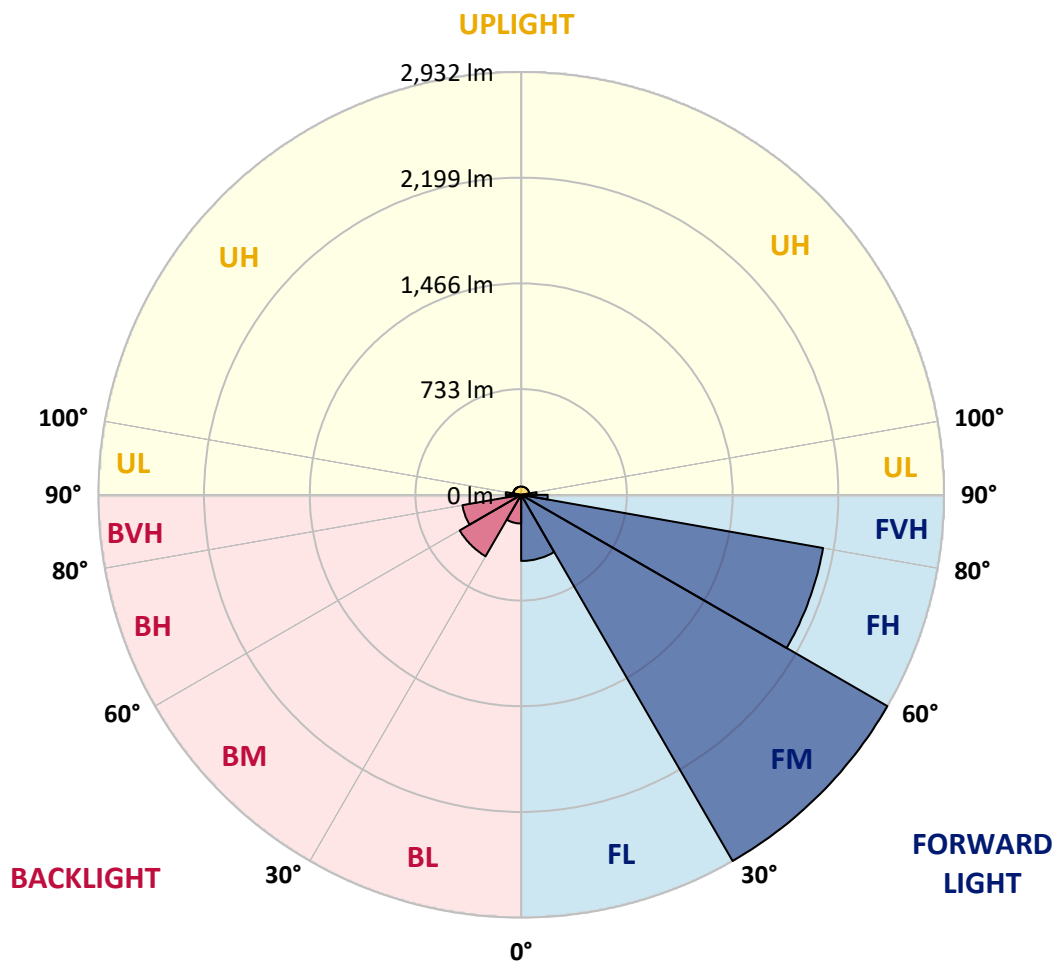
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 458.5  | 6.5       |                         |        |         |
| FM   | (30°-60°)   | 2932.5 | 41.5      |                         |        |         |
| FH   | (60°-80°)   | 2126.1 | 30.1      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 184.2  | 2.6       |                         |        | G2/225  |
| BL   | (0°-30°)    | 199.3  | 2.8       | B1/500                  |        |         |
| BM   | (30°-60°)   | 492.1  | 7.0       | B1/1000                 |        |         |
| BH   | (60°-80°)   | 413.7  | 5.8       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 104.3  | 1.5       |                         |        | G2/225  |
| UL   | (90°-100°)  | 106.6  | 1.5       |                         | U3/500 |         |
| UH   | (100°-180°) | 57.2   | 0.8       |                         | U3/500 |         |

**BUG Rating: B1-U3-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77.5°  | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 948.3  | 948.3  | 948.3  | 948.3  | 948.3  | 948.3  | 948.3  | 948.3  | 948.3  | 948.3  | 948.3  |
| 2.5°   | 984.2  | 1039.5 | 1064.4 | 1092.0 | 1116.9 | 1103.1 | 1081.0 | 1047.8 | 1017.4 | 1006.3 | 973.1  |
| 5°     | 1086.5 | 1081.0 | 1078.2 | 1069.9 | 1056.1 | 1031.2 | 1000.8 | 1119.7 | 1072.7 | 1053.3 | 998.0  |
| 7.5°   | 956.5  | 1108.6 | 1125.2 | 1141.8 | 1136.2 | 1105.8 | 1067.1 | 959.3  | 1000.8 | 975.9  | 906.8  |
| 10°    | 1169.4 | 1169.4 | 1163.9 | 1169.4 | 1105.8 | 1056.1 | 904.0  | 840.4  | 810.0  | 876.4  | 812.8  |
| 12.5°  | 995.3  | 1083.7 | 1194.3 | 1216.4 | 1119.7 | 981.4  | 917.8  | 887.4  | 699.4  | 691.1  | 740.9  |
| 15°    | 1158.4 | 1172.2 | 1175.0 | 1180.5 | 953.8  | 1028.4 | 848.7  | 787.9  | 893.0  | 868.1  | 876.4  |
| 17.5°  | 931.7  | 945.5  | 1125.2 | 1114.1 | 1025.7 | 821.1  | 992.5  | 890.2  | 821.1  | 790.7  | 779.6  |
| 20°    | 1172.2 | 1175.0 | 1166.7 | 942.7  | 989.7  | 1072.7 | 928.9  | 901.3  | 1000.8 | 998.0  | 956.5  |
| 22.5°  | 998.0  | 1000.8 | 1031.2 | 1136.2 | 1022.9 | 1083.7 | 934.4  | 1125.2 | 948.3  | 951.0  | 738.1  |
| 25°    | 1335.3 | 1338.1 | 1310.4 | 1011.8 | 1150.1 | 1017.4 | 1133.5 | 1011.8 | 1210.9 | 1172.2 | 1081.0 |
| 27.5°  | 1401.6 | 1299.4 | 1194.3 | 1255.1 | 1097.5 | 1263.4 | 1078.2 | 1224.7 | 1315.9 | 1307.7 | 1321.5 |
| 30°    | 1777.6 | 1783.2 | 1711.3 | 1374.0 | 1285.5 | 1246.8 | 1244.1 | 1454.2 | 1802.5 | 1816.3 | 1586.9 |
| 32.5°  | 2408.0 | 2374.8 | 2020.9 | 1694.7 | 1385.1 | 1520.5 | 1396.1 | 1683.6 | 1949.0 | 1940.7 | 1700.2 |
| 35°    | 2695.5 | 2662.3 | 2529.6 | 2092.8 | 1600.7 | 1642.2 | 1575.8 | 1791.5 | 2150.9 | 2087.3 | 1813.6 |
| 37.5°  | 2938.8 | 2933.2 | 2822.6 | 2305.7 | 1819.1 | 1879.9 | 1683.6 | 1924.2 | 2325.0 | 2258.7 | 1929.7 |
| 40°    | 3148.9 | 3129.5 | 3032.8 | 2496.4 | 2043.0 | 2045.8 | 1819.1 | 2084.5 | 2479.8 | 2496.4 | 2043.0 |
| 42.5°  | 3323.0 | 3306.4 | 3226.3 | 2687.2 | 2175.7 | 2192.3 | 1962.9 | 2247.6 | 2687.2 | 2717.6 | 2220.0 |
| 45°    | 3394.9 | 3403.2 | 3347.9 | 2858.6 | 2294.6 | 2325.0 | 2134.3 | 2413.5 | 2908.3 | 2933.2 | 2377.5 |
| 47.5°  | 3447.4 | 3450.2 | 3436.4 | 2999.6 | 2421.8 | 2435.6 | 2302.9 | 2562.8 | 3229.0 | 3179.3 | 2562.8 |
| 50°    | 3328.6 | 3317.5 | 3331.3 | 3107.4 | 2532.4 | 2549.0 | 2443.9 | 2717.6 | 3458.5 | 3394.9 | 2756.3 |
| 52.5°  | 3016.2 | 3030.0 | 3173.7 | 3052.1 | 2568.3 | 2601.5 | 2576.6 | 2853.1 | 3776.4 | 3726.7 | 3032.8 |
| 55°    | 2231.0 | 2291.8 | 2706.5 | 2825.4 | 2565.5 | 2623.6 | 2698.2 | 3110.2 | 4110.9 | 4036.3 | 3267.7 |
| 57.5°  | 1805.3 | 1805.3 | 2048.6 | 2438.4 | 2424.5 | 2609.8 | 2822.6 | 3284.3 | 4376.3 | 4323.8 | 3502.7 |
| 60°    | 1448.6 | 1448.6 | 1581.3 | 1935.2 | 2150.9 | 2540.7 | 2949.8 | 3541.4 | 4627.9 | 4597.5 | 3710.1 |
| 62.5°  | 1136.2 | 1133.5 | 1244.1 | 1443.1 | 1763.8 | 2388.6 | 3016.2 | 3762.6 | 4943.1 | 4937.6 | 4041.8 |
| 65°    | 821.1  | 832.1  | 926.1  | 1050.5 | 1385.1 | 2103.9 | 3013.4 | 3961.7 | 5321.8 | 5338.4 | 4415.0 |
| 67.5°  | 608.2  | 613.7  | 666.3  | 757.5  | 951.0  | 1744.5 | 2880.7 | 4099.9 | 5750.3 | 5722.7 | 4652.8 |
| 70°    | 467.2  | 475.5  | 497.6  | 544.6  | 633.1  | 1296.6 | 2560.0 | 4003.1 | 6004.7 | 5952.2 | 4741.3 |
| 72.5°  | 392.6  | 395.3  | 392.6  | 417.5  | 423.0  | 879.1  | 2051.3 | 3635.4 | 5899.6 | 5816.7 | 4498.0 |
| 75°    | 334.5  | 331.8  | 329.0  | 334.5  | 312.4  | 580.6  | 1470.8 | 3077.0 | 5446.2 | 5302.5 | 3972.7 |
| 77.5°  | 287.5  | 284.8  | 273.7  | 276.5  | 248.8  | 428.5  | 1003.5 | 2413.5 | 4589.2 | 4251.9 | 2985.8 |
| 80°    | 237.8  | 237.8  | 229.5  | 229.5  | 210.1  | 326.2  | 641.4  | 1664.3 | 2673.4 | 2405.2 | 1553.7 |
| 82.5°  | 185.2  | 182.5  | 182.5  | 188.0  | 179.7  | 254.3  | 420.2  | 829.4  | 1103.1 | 1034.0 | 727.1  |
| 85°    | 99.5   | 99.5   | 113.3  | 127.2  | 124.4  | 154.8  | 320.7  | 489.3  | 652.4  | 630.3  | 406.4  |
| 87.5°  | 30.4   | 30.4   | 33.2   | 41.5   | 44.2   | 82.9   | 201.8  | 237.8  | 295.8  | 326.2  | 320.7  |
| 90°    | 33.2   | 30.4   | 22.1   | 24.9   | 27.6   | 60.8   | 188.0  | 229.5  | 298.6  | 331.8  | 340.0  |
| 92.5°  | 38.7   | 35.9   | 22.1   | 22.1   | 27.6   | 49.8   | 179.7  | 223.9  | 326.2  | 359.4  | 367.7  |
| 95°    | 41.5   | 38.7   | 22.1   | 22.1   | 27.6   | 44.2   | 160.3  | 221.2  | 348.3  | 392.6  | 392.6  |
| 97.5°  | 38.7   | 35.9   | 16.6   | 19.4   | 24.9   | 38.7   | 124.4  | 182.5  | 243.3  | 268.2  | 309.6  |
| 100°   | 33.2   | 33.2   | 11.1   | 16.6   | 22.1   | 27.6   | 71.9   | 99.5   | 71.9   | 69.1   | 69.1   |
| 102.5° | 30.4   | 30.4   | 11.1   | 13.8   | 16.6   | 19.4   | 33.2   | 52.5   | 16.6   | 19.4   | 24.9   |
| 105°   | 30.4   | 33.2   | 8.3    | 11.1   | 11.1   | 11.1   | 16.6   | 27.6   | 13.8   | 16.6   | 24.9   |
| 107.5° | 30.4   | 33.2   | 8.3    | 8.3    | 11.1   | 8.3    | 8.3    | 11.1   | 13.8   | 16.6   | 27.6   |
| 110°   | 27.6   | 27.6   | 5.5    | 8.3    | 8.3    | 8.3    | 5.5    | 8.3    | 13.8   | 19.4   | 27.6   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35° | 45° | 55° | 65°  | 75°  | 77.5° | 85°  |
|--------|------|------|------|------|-----|-----|-----|------|------|-------|------|
| 112.5° | 19.4 | 19.4 | 5.5  | 8.3  | 8.3 | 8.3 | 5.5 | 8.3  | 13.8 | 19.4  | 27.6 |
| 115°   | 13.8 | 11.1 | 5.5  | 8.3  | 5.5 | 8.3 | 5.5 | 8.3  | 13.8 | 19.4  | 24.9 |
| 117.5° | 11.1 | 8.3  | 5.5  | 5.5  | 5.5 | 5.5 | 2.8 | 8.3  | 16.6 | 22.1  | 30.4 |
| 120°   | 11.1 | 11.1 | 5.5  | 5.5  | 5.5 | 5.5 | 2.8 | 8.3  | 24.9 | 27.6  | 38.7 |
| 122.5° | 11.1 | 11.1 | 5.5  | 5.5  | 5.5 | 5.5 | 2.8 | 5.5  | 22.1 | 30.4  | 41.5 |
| 125°   | 11.1 | 11.1 | 5.5  | 5.5  | 5.5 | 5.5 | 2.8 | 5.5  | 19.4 | 27.6  | 35.9 |
| 127.5° | 11.1 | 11.1 | 5.5  | 2.8  | 5.5 | 5.5 | 5.5 | 5.5  | 16.6 | 22.1  | 30.4 |
| 130°   | 11.1 | 11.1 | 5.5  | 2.8  | 5.5 | 5.5 | 5.5 | 5.5  | 13.8 | 16.6  | 24.9 |
| 132.5° | 8.3  | 8.3  | 5.5  | 2.8  | 5.5 | 2.8 | 2.8 | 5.5  | 11.1 | 13.8  | 19.4 |
| 135°   | 5.5  | 5.5  | 5.5  | 2.8  | 5.5 | 2.8 | 2.8 | 2.8  | 5.5  | 8.3   | 13.8 |
| 137.5° | 2.8  | 5.5  | 2.8  | 2.8  | 5.5 | 2.8 | 2.8 | 2.8  | 2.8  | 2.8   | 5.5  |
| 140°   | 2.8  | 2.8  | 2.8  | 2.8  | 5.5 | 2.8 | 2.8 | 2.8  | 2.8  | 2.8   | 2.8  |
| 142.5° | 2.8  | 2.8  | 2.8  | 2.8  | 5.5 | 5.5 | 2.8 | 2.8  | 2.8  | 2.8   | 2.8  |
| 145°   | 2.8  | 2.8  | 2.8  | 2.8  | 8.3 | 5.5 | 2.8 | 2.8  | 2.8  | 2.8   | 2.8  |
| 147.5° | 2.8  | 2.8  | 2.8  | 11.1 | 8.3 | 5.5 | 2.8 | 2.8  | 2.8  | 2.8   | 2.8  |
| 150°   | 13.8 | 13.8 | 13.8 | 11.1 | 8.3 | 5.5 | 8.3 | 2.8  | 2.8  | 2.8   | 2.8  |
| 152.5° | 13.8 | 13.8 | 16.6 | 8.3  | 5.5 | 2.8 | 2.8 | 11.1 | 8.3  | 5.5   | 5.5  |
| 155°   | 11.1 | 8.3  | 8.3  | 2.8  | 2.8 | 2.8 | 2.8 | 2.8  | 8.3  | 11.1  | 11.1 |
| 157.5° | 2.8  | 2.8  | 5.5  | 2.8  | 2.8 | 2.8 | 2.8 | 2.8  | 5.5  | 2.8   | 2.8  |
| 160°   | 0.0  | 0.0  | 0.0  | 2.8  | 2.8 | 2.8 | 2.8 | 2.8  | 2.8  | 2.8   | 2.8  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0  |
| 180°   | 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):**

|        | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 948.3  | 948.3  | 948.3 | 948.3 | 948.3 | 948.3 | 948.3 | 948.3 | 948.3 | 948.3 | 948.3 |
| 2.5°   | 953.8  | 931.7  | 879.1 | 840.4 | 793.4 | 752.0 | 716.0 | 635.9 | 622.0 | 613.7 | 611.0 |
| 5°     | 953.8  | 906.8  | 804.5 | 680.1 | 583.3 | 561.2 | 550.2 | 550.2 | 544.6 | 547.4 | 550.2 |
| 7.5°   | 846.0  | 782.4  | 627.6 | 530.8 | 547.4 | 547.4 | 550.2 | 536.3 | 492.1 | 497.6 | 489.3 |
| 10°    | 740.9  | 660.7  | 472.7 | 431.3 | 472.7 | 475.5 | 539.1 | 564.0 | 572.3 | 575.0 | 575.0 |
| 12.5°  | 682.9  | 569.5  | 409.2 | 423.0 | 381.5 | 436.8 | 514.2 | 575.0 | 522.5 | 494.9 | 494.9 |
| 15°    | 785.1  | 674.6  | 458.9 | 370.5 | 376.0 | 436.8 | 389.8 | 544.6 | 564.0 | 569.5 | 569.5 |
| 17.5°  | 705.0  | 594.4  | 420.2 | 381.5 | 420.2 | 359.4 | 439.6 | 500.4 | 478.3 | 453.4 | 450.6 |
| 20°    | 846.0  | 702.2  | 470.0 | 373.2 | 370.5 | 425.7 | 389.8 | 409.2 | 511.4 | 514.2 | 511.4 |
| 22.5°  | 658.0  | 561.2  | 417.5 | 423.0 | 370.5 | 406.4 | 384.3 | 423.0 | 403.6 | 400.9 | 403.6 |
| 25°    | 912.3  | 727.1  | 481.0 | 364.9 | 387.0 | 359.4 | 387.0 | 356.6 | 428.5 | 434.0 | 436.8 |
| 27.5°  | 1116.9 | 868.1  | 511.4 | 395.3 | 337.3 | 367.7 | 345.6 | 356.6 | 331.8 | 345.6 | 351.1 |
| 30°    | 1329.8 | 1011.8 | 624.8 | 436.8 | 356.6 | 315.2 | 320.7 | 317.9 | 359.4 | 356.6 | 351.1 |
| 32.5°  | 1398.9 | 1031.2 | 597.2 | 456.2 | 353.9 | 317.9 | 293.0 | 312.4 | 342.8 | 367.7 | 370.5 |
| 35°    | 1468.0 | 1045.0 | 575.0 | 436.8 | 345.6 | 298.6 | 287.5 | 320.7 | 345.6 | 348.3 | 356.6 |
| 37.5°  | 1548.2 | 1056.1 | 552.9 | 409.2 | 320.7 | 293.0 | 284.8 | 298.6 | 353.9 | 348.3 | 340.0 |
| 40°    | 1622.8 | 1061.6 | 525.3 | 384.3 | 293.0 | 287.5 | 265.4 | 298.6 | 312.4 | 323.5 | 329.0 |
| 42.5°  | 1755.5 | 1094.8 | 503.2 | 362.2 | 273.7 | 273.7 | 254.3 | 279.2 | 320.7 | 326.2 | 323.5 |
| 45°    | 1852.3 | 1083.7 | 472.7 | 342.8 | 254.3 | 243.3 | 248.8 | 304.1 | 323.5 | 356.6 | 351.1 |
| 47.5°  | 1990.5 | 1111.4 | 436.8 | 312.4 | 237.8 | 223.9 | 235.0 | 295.8 | 331.8 | 356.6 | 362.2 |
| 50°    | 2126.0 | 1105.8 | 406.4 | 287.5 | 226.7 | 212.9 | 259.9 | 287.5 | 326.2 | 367.7 | 367.7 |
| 52.5°  | 2302.9 | 1114.1 | 392.6 | 265.4 | 212.9 | 212.9 | 268.2 | 290.3 | 334.5 | 362.2 | 362.2 |
| 55°    | 2460.5 | 1083.7 | 359.4 | 257.1 | 210.1 | 204.6 | 270.9 | 301.3 | 337.3 | 362.2 | 364.9 |
| 57.5°  | 2576.6 | 1022.9 | 334.5 | 248.8 | 207.3 | 210.1 | 270.9 | 326.2 | 315.2 | 362.2 | 370.5 |
| 60°    | 2703.8 | 956.5  | 312.4 | 248.8 | 207.3 | 218.4 | 279.2 | 345.6 | 345.6 | 378.7 | 378.7 |
| 62.5°  | 2877.9 | 915.1  | 301.3 | 251.6 | 201.8 | 226.7 | 304.1 | 376.0 | 348.3 | 400.9 | 403.6 |
| 65°    | 3024.5 | 859.8  | 293.0 | 262.6 | 204.6 | 237.8 | 317.9 | 400.9 | 364.9 | 425.7 | 423.0 |
| 67.5°  | 3027.2 | 776.8  | 282.0 | 273.7 | 207.3 | 246.0 | 317.9 | 417.5 | 384.3 | 447.9 | 439.6 |
| 70°    | 2894.5 | 693.9  | 265.4 | 273.7 | 215.6 | 254.3 | 317.9 | 428.5 | 387.0 | 483.8 | 475.5 |
| 72.5°  | 2609.8 | 566.7  | 240.5 | 262.6 | 229.5 | 265.4 | 334.5 | 425.7 | 387.0 | 522.5 | 514.2 |
| 75°    | 2220.0 | 453.4  | 207.3 | 240.5 | 229.5 | 279.2 | 345.6 | 423.0 | 373.2 | 497.6 | 481.0 |
| 77.5°  | 1689.2 | 370.5  | 174.2 | 210.1 | 218.4 | 284.8 | 345.6 | 417.5 | 362.2 | 464.5 | 453.4 |
| 80°    | 870.8  | 259.9  | 141.0 | 179.7 | 204.6 | 279.2 | 342.8 | 395.3 | 323.5 | 411.9 | 406.4 |
| 82.5°  | 478.3  | 190.8  | 113.3 | 132.7 | 171.4 | 262.6 | 331.8 | 356.6 | 284.8 | 337.3 | 323.5 |
| 85°    | 309.6  | 138.2  | 91.2  | 107.8 | 143.8 | 218.4 | 279.2 | 282.0 | 201.8 | 243.3 | 229.5 |
| 87.5°  | 232.2  | 80.2   | 58.1  | 66.4  | 99.5  | 121.6 | 176.9 | 182.5 | 127.2 | 149.3 | 141.0 |
| 90°    | 243.3  | 80.2   | 60.8  | 69.1  | 88.5  | 91.2  | 129.9 | 138.2 | 99.5  | 113.3 | 113.3 |
| 92.5°  | 259.9  | 80.2   | 63.6  | 71.9  | 80.2  | 71.9  | 102.3 | 113.3 | 82.9  | 91.2  | 88.5  |
| 95°    | 265.4  | 77.4   | 69.1  | 74.6  | 71.9  | 58.1  | 82.9  | 91.2  | 69.1  | 69.1  | 69.1  |
| 97.5°  | 193.5  | 55.3   | 69.1  | 74.6  | 66.4  | 47.0  | 63.6  | 71.9  | 44.2  | 35.9  | 35.9  |
| 100°   | 52.5   | 27.6   | 66.4  | 71.9  | 58.1  | 38.7  | 55.3  | 55.3  | 27.6  | 19.4  | 19.4  |
| 102.5° | 22.1   | 22.1   | 58.1  | 63.6  | 44.2  | 24.9  | 38.7  | 38.7  | 19.4  | 8.3   | 8.3   |
| 105°   | 22.1   | 16.6   | 41.5  | 47.0  | 30.4  | 13.8  | 19.4  | 22.1  | 13.8  | 8.3   | 8.3   |
| 107.5° | 22.1   | 16.6   | 19.4  | 24.9  | 13.8  | 11.1  | 11.1  | 11.1  | 8.3   | 8.3   | 8.3   |
| 110°   | 24.9   | 16.6   | 11.1  | 13.8  | 11.1  | 8.3   | 8.3   | 8.3   | 8.3   | 11.1  | 13.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 27.6 | 19.4 | 11.1 | 13.8 | 11.1 | 8.3  | 8.3  | 8.3  | 11.1 | 24.9 | 24.9 |
| 115°   | 24.9 | 16.6 | 11.1 | 11.1 | 8.3  | 8.3  | 5.5  | 5.5  | 11.1 | 30.4 | 30.4 |
| 117.5° | 27.6 | 19.4 | 11.1 | 11.1 | 8.3  | 5.5  | 5.5  | 5.5  | 13.8 | 35.9 | 35.9 |
| 120°   | 33.2 | 22.1 | 11.1 | 8.3  | 5.5  | 5.5  | 5.5  | 5.5  | 16.6 | 38.7 | 38.7 |
| 122.5° | 35.9 | 24.9 | 11.1 | 8.3  | 5.5  | 2.8  | 5.5  | 8.3  | 19.4 | 38.7 | 38.7 |
| 125°   | 30.4 | 22.1 | 11.1 | 8.3  | 5.5  | 2.8  | 5.5  | 8.3  | 19.4 | 35.9 | 38.7 |
| 127.5° | 27.6 | 19.4 | 11.1 | 5.5  | 5.5  | 2.8  | 2.8  | 8.3  | 16.6 | 27.6 | 33.2 |
| 130°   | 22.1 | 16.6 | 8.3  | 5.5  | 5.5  | 2.8  | 2.8  | 5.5  | 16.6 | 24.9 | 30.4 |
| 132.5° | 19.4 | 13.8 | 8.3  | 5.5  | 5.5  | 2.8  | 2.8  | 5.5  | 16.6 | 22.1 | 22.1 |
| 135°   | 13.8 | 11.1 | 5.5  | 5.5  | 5.5  | 2.8  | 5.5  | 2.8  | 11.1 | 19.4 | 19.4 |
| 137.5° | 8.3  | 5.5  | 5.5  | 5.5  | 5.5  | 2.8  | 2.8  | 2.8  | 8.3  | 11.1 | 11.1 |
| 140°   | 2.8  | 2.8  | 5.5  | 5.5  | 5.5  | 2.8  | 2.8  | 2.8  | 5.5  | 5.5  | 5.5  |
| 142.5° | 2.8  | 2.8  | 5.5  | 5.5  | 5.5  | 2.8  | 2.8  | 2.8  | 5.5  | 5.5  | 5.5  |
| 145°   | 2.8  | 2.8  | 2.8  | 5.5  | 5.5  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 5.5  |
| 147.5° | 2.8  | 2.8  | 2.8  | 5.5  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 5.5  |
| 150°   | 2.8  | 2.8  | 2.8  | 5.5  | 5.5  | 2.8  | 2.8  | 5.5  | 5.5  | 5.5  | 5.5  |
| 152.5° | 2.8  | 2.8  | 5.5  | 5.5  | 2.8  | 2.8  | 2.8  | 5.5  | 5.5  | 5.5  | 5.5  |
| 155°   | 8.3  | 8.3  | 5.5  | 5.5  | 2.8  | 2.8  | 0.0  | 2.8  | 5.5  | 5.5  | 5.5  |
| 157.5° | 2.8  | 2.8  | 5.5  | 2.8  | 2.8  | 2.8  | 0.0  | 2.8  | 2.8  | 2.8  | 2.8  |
| 160°   | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 2.8  | 0.0  | 2.8  | 2.8  | 2.8  | 2.8  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)