

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: P559809

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

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)  
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-HSS-A  
Description: Springdale  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,  
HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6560.8 lumens  
Efficiency: N/A  
Efficacy: 69.9 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

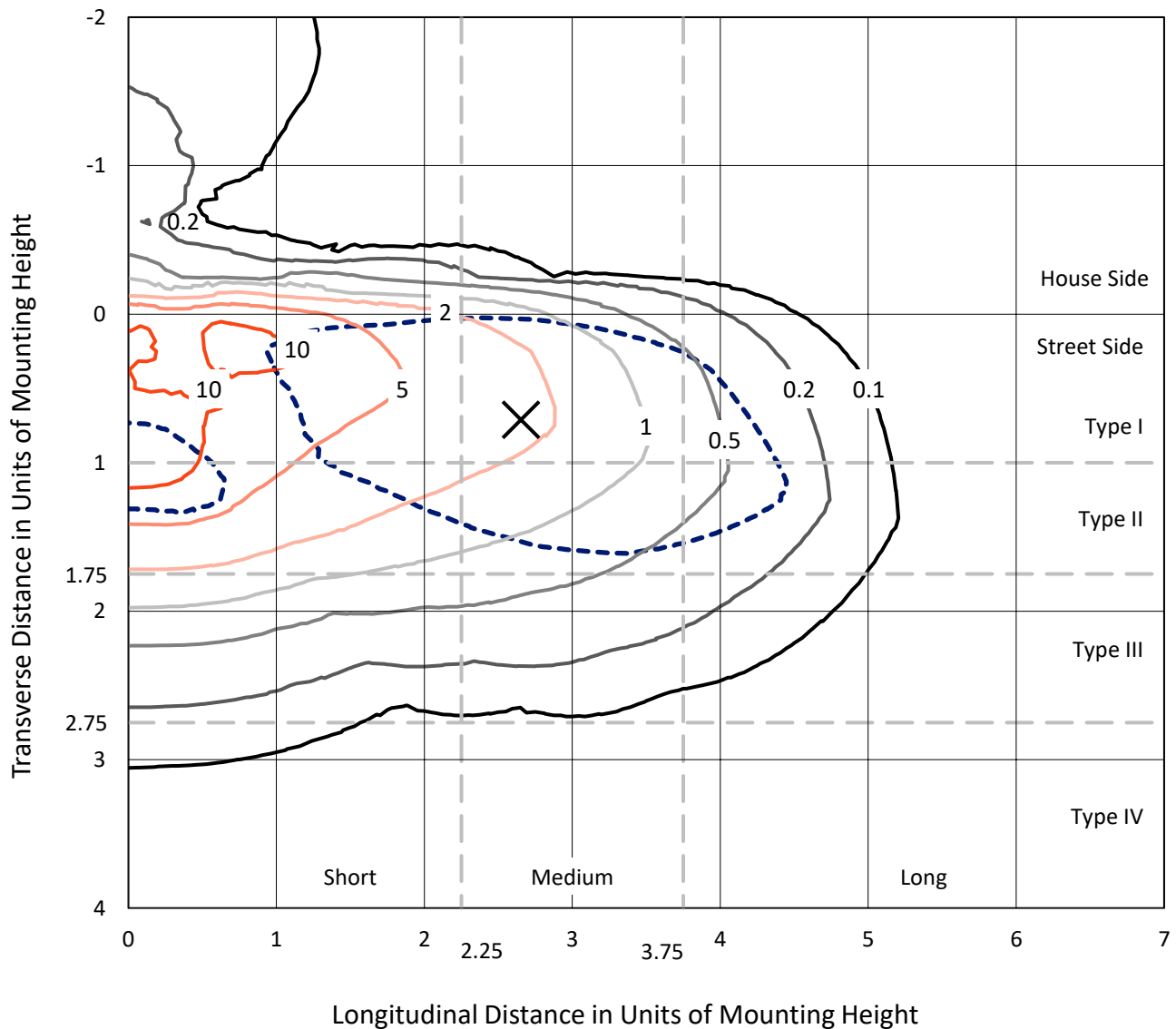


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

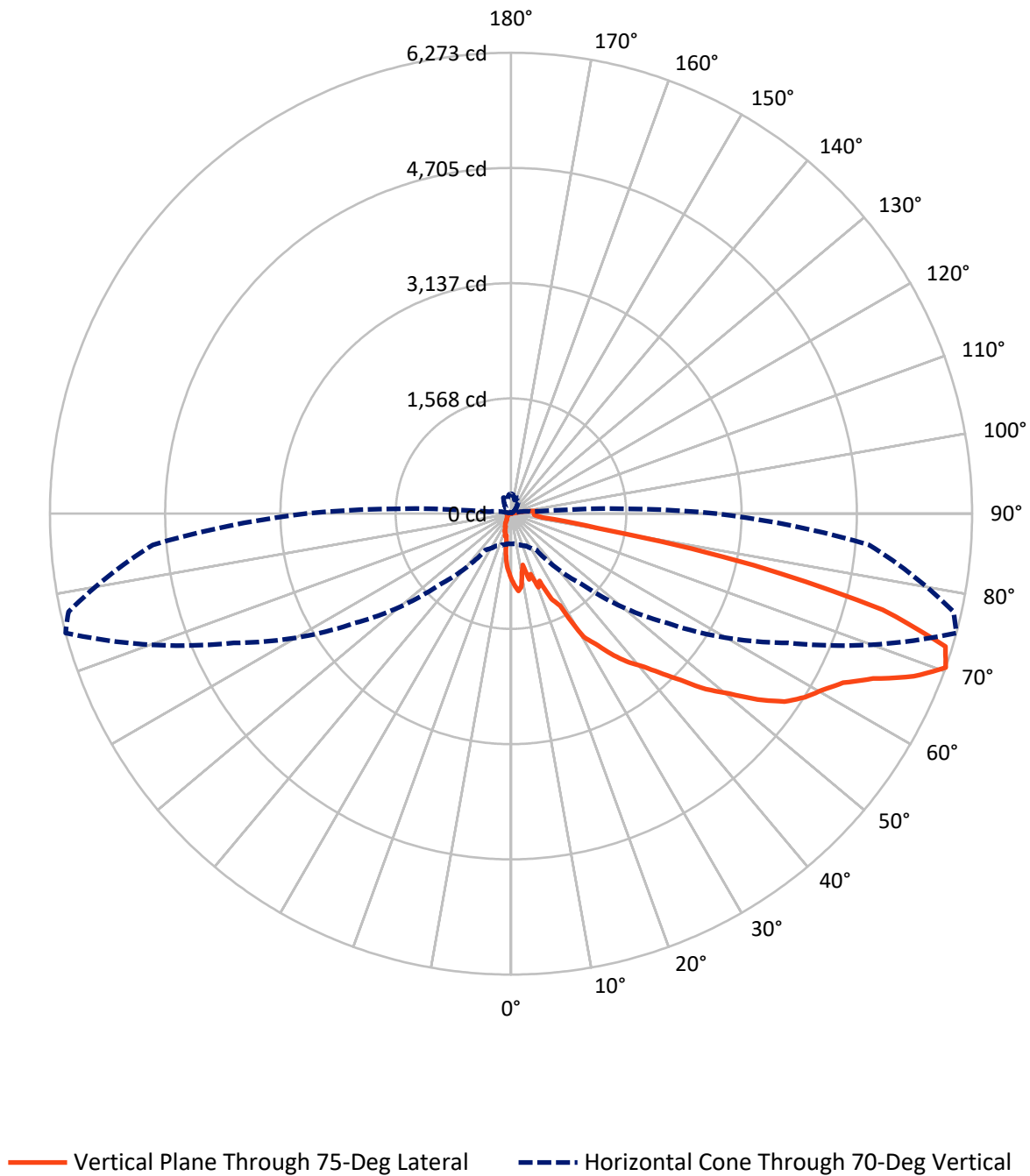


Based on 10 foot mounting height. Maximum calculated value = 16.4 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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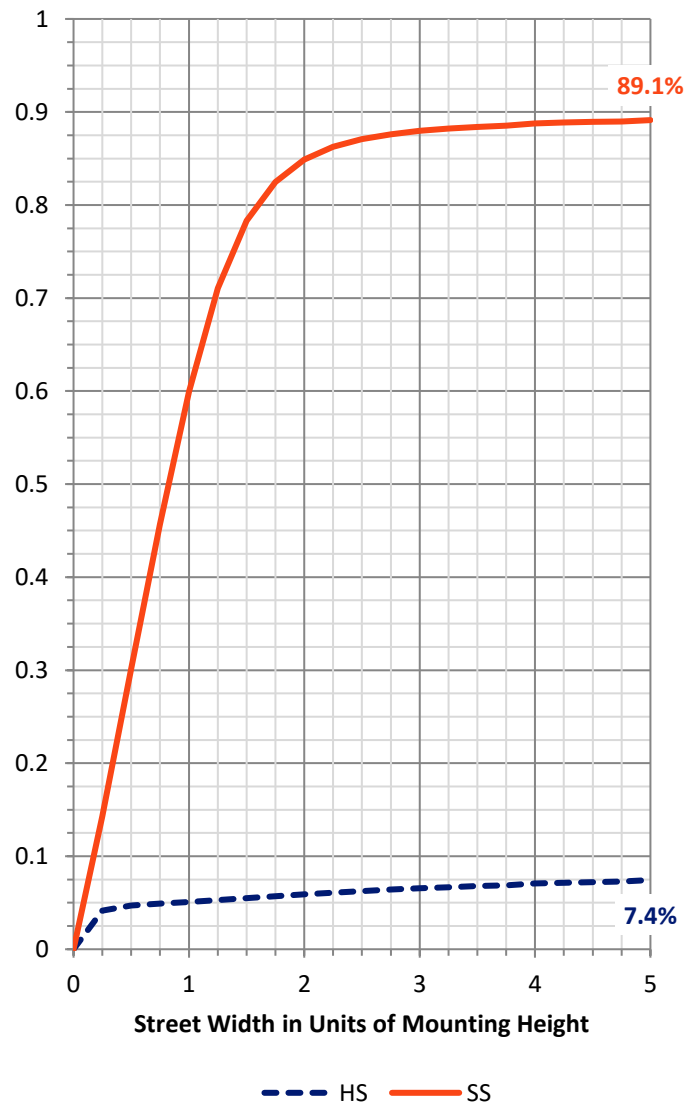
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 534.6    | 66.4   | 601.0  |
|                    | % Fixture | 8.1      | 1.0    | 9.2    |
| <b>Street Side</b> | Lumens    | 5876.3   | 83.6   | 5959.8 |
|                    | % Fixture | 89.6     | 1.3    | 90.8   |
| <b>Total</b>       | Lumens    | 6410.9   | 150.0  | 6560.8 |
|                    | % Fixture | 97.7     | 2.3    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.9   | 1.1       |
| 10°-20°   | 173.1  | 2.6       |
| 20°-30°   | 324.7  | 4.9       |
| 30°-40°   | 728.6  | 11.1      |
| 40°-50°   | 1199.2 | 18.3      |
| 50°-60°   | 1469.9 | 22.4      |
| 60°-70°   | 1376.7 | 21.0      |
| 70°-80°   | 896.5  | 13.7      |
| 80°-90°   | 171.3  | 2.6       |
| 90°-100°  | 98.3   | 1.5       |
| 100°-110° | 22.1   | 0.3       |
| 110°-120° | 11.2   | 0.2       |
| 120°-130° | 9.5    | 0.1       |
| 130°-140° | 4.6    | 0.1       |
| 140°-150° | 2.3    | 0.0       |
| 150°-160° | 1.9    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6410.9 | 97.7      |
| 0°-180°   | 6560.8 | 100.0     |

**Coefficient of Utilization**



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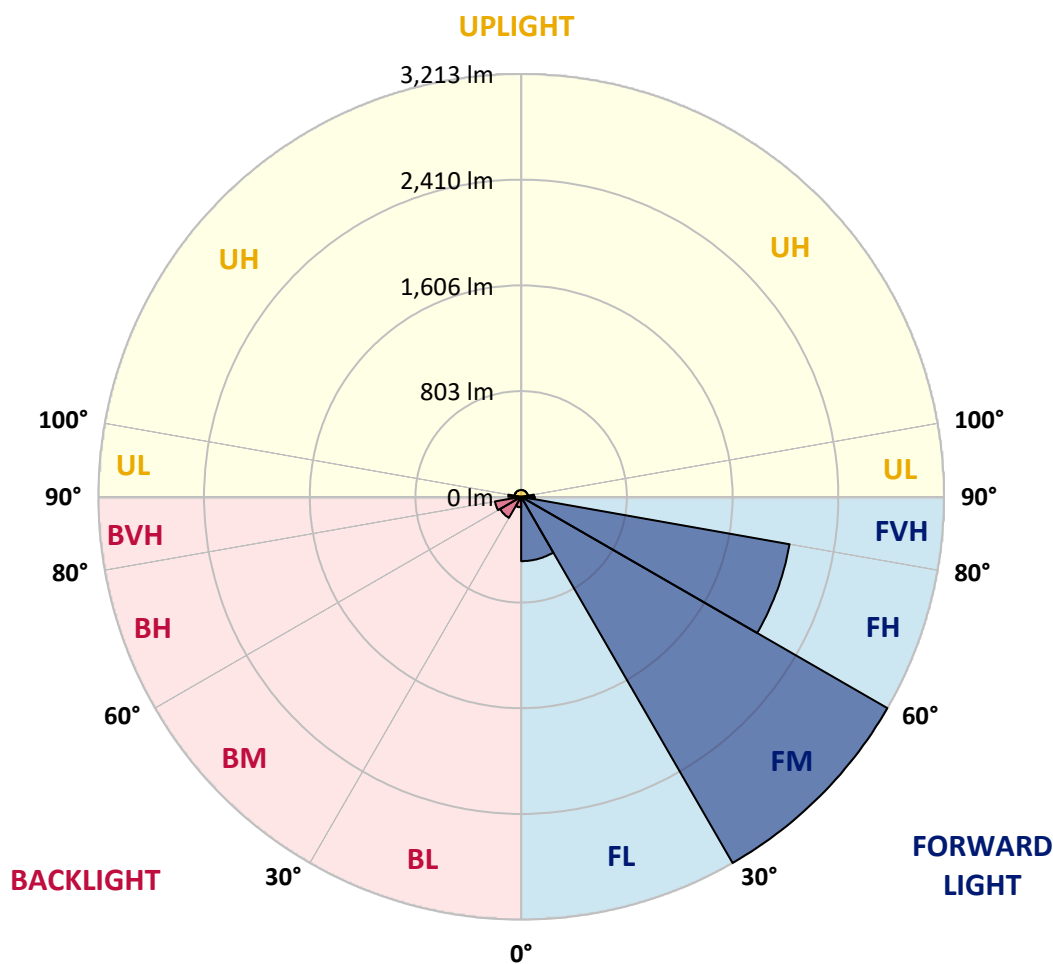
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 488.8  | 7.4       |                         |        |         |
| FM   | (30°-60°)   | 3213.0 | 49.0      |                         |        |         |
| FH   | (60°-80°)   | 2070.8 | 31.6      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 103.7  | 1.6       |                         |        | G2/225  |
| BL   | (0°-30°)    | 79.8   | 1.2       | B0/110                  |        |         |
| BM   | (30°-60°)   | 184.8  | 2.8       | B0/220                  |        |         |
| BH   | (60°-80°)   | 202.4  | 3.1       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 67.6   | 1.0       |                         |        | G1/100  |
| UL   | (90°-100°)  | 98.3   | 1.5       |                         | U3/500 |         |
| UH   | (100°-180°) | 51.7   | 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°     | 892.6  | 892.6  | 892.6  | 892.6  | 892.6  | 892.6  | 892.6  | 892.6  | 892.6  | 892.6  | 892.6  |
| 2.5°   | 995.9  | 1058.6 | 1077.3 | 1108.7 | 1124.3 | 1105.5 | 1071.1 | 1027.2 | 980.3  | 967.7  | 927.0  |
| 5°     | 1130.6 | 1118.1 | 1108.7 | 1108.7 | 1089.9 | 1049.2 | 1011.6 | 1127.5 | 1055.4 | 1039.8 | 958.3  |
| 7.5°   | 1027.2 | 1124.3 | 1196.4 | 1202.6 | 1193.2 | 1161.9 | 1108.7 | 989.7  | 1005.3 | 986.5  | 886.3  |
| 10°    | 1243.3 | 1246.5 | 1233.9 | 1243.3 | 1155.6 | 1111.8 | 939.5  | 867.5  | 811.1  | 886.3  | 795.5  |
| 12.5°  | 1030.4 | 1183.8 | 1271.5 | 1302.8 | 1193.2 | 1049.2 | 961.5  | 923.9  | 717.2  | 698.4  | 720.3  |
| 15°    | 1259.0 | 1265.3 | 1274.6 | 1243.3 | 967.7  | 1099.3 | 892.6  | 823.7  | 930.1  | 905.1  | 889.4  |
| 17.5°  | 995.9  | 1008.4 | 1221.4 | 1208.9 | 1121.2 | 870.6  | 1061.7 | 945.8  | 864.4  | 833.1  | 811.1  |
| 20°    | 1268.4 | 1271.5 | 1268.4 | 961.5  | 1046.0 | 1171.3 | 999.0  | 967.7  | 1071.1 | 1058.6 | 1002.2 |
| 22.5°  | 1064.8 | 1064.8 | 1136.8 | 1233.9 | 1099.3 | 1174.4 | 1017.8 | 1205.7 | 995.9  | 989.7  | 745.4  |
| 25°    | 1472.0 | 1472.0 | 1421.8 | 1089.9 | 1246.5 | 1105.5 | 1208.9 | 1083.6 | 1287.2 | 1243.3 | 1118.1 |
| 27.5°  | 1431.2 | 1387.4 | 1309.1 | 1374.9 | 1205.7 | 1384.3 | 1171.3 | 1321.6 | 1418.7 | 1459.4 | 1393.7 |
| 30°    | 1988.7 | 1988.7 | 1904.1 | 1472.0 | 1412.4 | 1337.3 | 1352.9 | 1581.6 | 1944.9 | 1951.1 | 1684.9 |
| 32.5°  | 2693.4 | 2643.3 | 2195.4 | 1897.9 | 1544.0 | 1678.7 | 1528.3 | 1860.3 | 2114.0 | 2104.6 | 1791.4 |
| 35°    | 2981.5 | 2965.8 | 2828.0 | 2330.1 | 1788.3 | 1838.4 | 1722.5 | 1966.8 | 2342.6 | 2280.0 | 1919.8 |
| 37.5°  | 3275.9 | 3250.8 | 3109.9 | 2574.4 | 2045.1 | 2110.8 | 1866.6 | 2123.4 | 2552.4 | 2461.6 | 2060.7 |
| 40°    | 3457.5 | 3460.7 | 3360.4 | 2768.5 | 2248.6 | 2283.1 | 2038.8 | 2314.4 | 2721.5 | 2740.3 | 2182.9 |
| 42.5°  | 3648.6 | 3645.4 | 3564.0 | 2997.1 | 2417.8 | 2461.6 | 2176.6 | 2496.1 | 2950.2 | 2972.1 | 2389.6 |
| 45°    | 3751.9 | 3745.7 | 3698.7 | 3153.7 | 2552.4 | 2583.7 | 2389.6 | 2718.4 | 3228.9 | 3222.6 | 2558.7 |
| 47.5°  | 3777.0 | 3786.4 | 3783.2 | 3307.2 | 2693.4 | 2705.9 | 2580.6 | 2881.3 | 3567.1 | 3498.2 | 2781.1 |
| 50°    | 3636.0 | 3642.3 | 3686.1 | 3429.3 | 2796.7 | 2809.2 | 2730.9 | 3066.0 | 3852.1 | 3770.7 | 2981.5 |
| 52.5°  | 3244.6 | 3282.1 | 3466.9 | 3354.2 | 2840.6 | 2887.5 | 2871.9 | 3207.0 | 4199.8 | 4099.5 | 3228.9 |
| 55°    | 2411.5 | 2499.2 | 2922.0 | 3072.3 | 2818.6 | 2890.7 | 2997.1 | 3463.8 | 4516.1 | 4393.9 | 3429.3 |
| 57.5°  | 1922.9 | 1938.6 | 2189.1 | 2602.5 | 2640.1 | 2875.0 | 3128.7 | 3620.4 | 4713.4 | 4591.2 | 3573.4 |
| 60°    | 1518.9 | 1544.0 | 1706.8 | 2038.8 | 2305.0 | 2781.1 | 3166.3 | 3780.1 | 4870.0 | 4766.6 | 3733.1 |
| 62.5°  | 1177.6 | 1174.4 | 1299.7 | 1522.1 | 1857.2 | 2583.7 | 3116.2 | 3877.2 | 5070.4 | 4992.1 | 4018.1 |
| 65°    | 820.5  | 820.5  | 927.0  | 1105.5 | 1406.2 | 2229.9 | 3015.9 | 4015.0 | 5411.8 | 5389.9 | 4372.0 |
| 67.5°  | 560.6  | 573.1  | 645.2  | 732.8  | 964.6  | 1813.3 | 2865.6 | 4155.9 | 5909.7 | 5806.4 | 4713.4 |
| 70°    | 410.3  | 410.3  | 438.5  | 485.4  | 601.3  | 1352.9 | 2596.3 | 4159.1 | 6273.0 | 6166.5 | 4891.9 |
| 72.5°  | 303.8  | 303.8  | 325.7  | 347.6  | 378.9  | 898.8  | 2129.6 | 3896.0 | 6179.1 | 6010.0 | 4528.6 |
| 75°    | 159.7  | 159.7  | 247.4  | 256.8  | 253.7  | 582.5  | 1572.2 | 3200.7 | 5223.9 | 4942.0 | 3545.2 |
| 77.5°  | 125.3  | 128.4  | 140.9  | 200.4  | 184.8  | 382.1  | 876.9  | 1969.9 | 3376.1 | 3031.6 | 1919.8 |
| 80°    | 90.8   | 87.7   | 109.6  | 128.4  | 109.6  | 222.4  | 413.4  | 864.4  | 1196.4 | 1036.6 | 632.6  |
| 82.5°  | 53.2   | 56.4   | 65.8   | 94.0   | 94.0   | 156.6  | 269.3  | 378.9  | 429.1  | 425.9  | 378.9  |
| 85°    | 6.3    | 9.4    | 34.4   | 62.6   | 56.4   | 90.8   | 225.5  | 263.1  | 338.2  | 344.5  | 338.2  |
| 87.5°  | 6.3    | 6.3    | 9.4    | 12.5   | 15.7   | 59.5   | 191.0  | 228.6  | 313.2  | 335.1  | 338.2  |
| 90°    | 12.5   | 9.4    | 6.3    | 6.3    | 9.4    | 47.0   | 178.5  | 234.9  | 332.0  | 338.2  | 353.9  |
| 92.5°  | 15.7   | 12.5   | 6.3    | 3.1    | 9.4    | 37.6   | 169.1  | 234.9  | 344.5  | 366.4  | 382.1  |
| 95°    | 21.9   | 18.8   | 6.3    | 3.1    | 9.4    | 31.3   | 144.1  | 222.4  | 360.2  | 397.7  | 413.4  |
| 97.5°  | 28.2   | 25.1   | 6.3    | 6.3    | 9.4    | 25.1   | 112.7  | 175.4  | 238.0  | 269.3  | 291.3  |
| 100°   | 31.3   | 31.3   | 6.3    | 6.3    | 9.4    | 15.7   | 56.4   | 97.1   | 75.2   | 72.0   | 81.4   |
| 102.5° | 34.4   | 34.4   | 6.3    | 6.3    | 6.3    | 9.4    | 18.8   | 40.7   | 15.7   | 15.7   | 25.1   |
| 105°   | 34.4   | 34.4   | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 15.7   | 12.5   | 15.7   | 28.2   |
| 107.5° | 31.3   | 34.4   | 6.3    | 9.4    | 9.4    | 6.3    | 6.3    | 6.3    | 12.5   | 18.8   | 28.2   |
| 110°   | 28.2   | 28.2   | 6.3    | 9.4    | 9.4    | 6.3    | 3.1    | 6.3    | 12.5   | 18.8   | 31.3   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35° | 45° | 55° | 65° | 75°  | 77.5° | 85°  |
|--------|------|------|------|------|-----|-----|-----|-----|------|-------|------|
| 112.5° | 21.9 | 15.7 | 3.1  | 9.4  | 6.3 | 6.3 | 3.1 | 6.3 | 15.7 | 21.9  | 31.3 |
| 115°   | 9.4  | 6.3  | 3.1  | 6.3  | 6.3 | 6.3 | 3.1 | 6.3 | 15.7 | 25.1  | 31.3 |
| 117.5° | 6.3  | 3.1  | 3.1  | 3.1  | 3.1 | 6.3 | 3.1 | 9.4 | 21.9 | 28.2  | 37.6 |
| 120°   | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 9.4 | 28.2 | 31.3  | 43.8 |
| 122.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 6.3 | 28.2 | 31.3  | 43.8 |
| 125°   | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 6.3 | 21.9 | 28.2  | 37.6 |
| 127.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 6.3 | 15.7 | 21.9  | 31.3 |
| 130°   | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 3.1 | 15.7 | 18.8  | 25.1 |
| 132.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 3.1 | 9.4  | 12.5  | 18.8 |
| 135°   | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 3.1 | 6.3  | 6.3   | 12.5 |
| 137.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 3.1 | 3.1  | 3.1   | 3.1  |
| 140°   | 3.1  | 0.0  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 3.1 | 3.1  | 3.1   | 3.1  |
| 142.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1 | 3.1 | 3.1 | 3.1 | 3.1  | 3.1   | 3.1  |
| 145°   | 3.1  | 3.1  | 3.1  | 3.1  | 6.3 | 3.1 | 3.1 | 3.1 | 3.1  | 3.1   | 3.1  |
| 147.5° | 3.1  | 3.1  | 3.1  | 6.3  | 6.3 | 6.3 | 3.1 | 3.1 | 3.1  | 3.1   | 3.1  |
| 150°   | 6.3  | 9.4  | 15.7 | 12.5 | 6.3 | 3.1 | 6.3 | 3.1 | 3.1  | 3.1   | 3.1  |
| 152.5° | 15.7 | 15.7 | 12.5 | 12.5 | 3.1 | 3.1 | 6.3 | 6.3 | 3.1  | 3.1   | 3.1  |
| 155°   | 12.5 | 12.5 | 9.4  | 3.1  | 3.1 | 3.1 | 3.1 | 6.3 | 9.4  | 12.5  | 9.4  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 3.1 | 3.1 | 3.1 | 3.1 | 3.1  | 3.1   | 3.1  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 3.1 | 3.1 | 3.1 | 3.1 | 3.1  | 3.1   | 3.1  |
| 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°     | 892.6  | 892.6 | 892.6 | 892.6 | 892.6 | 892.6 | 892.6 | 892.6 | 892.6 | 892.6 | 892.6 |
| 2.5°   | 895.7  | 864.4 | 795.5 | 742.2 | 685.9 | 654.5 | 595.0 | 544.9 | 507.4 | 501.1 | 501.1 |
| 5°     | 895.7  | 833.1 | 710.9 | 579.4 | 457.2 | 394.6 | 360.2 | 338.2 | 322.6 | 316.3 | 313.2 |
| 7.5°   | 801.7  | 720.3 | 557.5 | 404.0 | 350.8 | 294.4 | 253.7 | 222.4 | 194.2 | 184.8 | 175.4 |
| 10°    | 701.5  | 601.3 | 378.9 | 278.7 | 222.4 | 184.8 | 166.0 | 156.6 | 147.2 | 144.1 | 144.1 |
| 12.5°  | 623.2  | 519.9 | 303.8 | 228.6 | 156.6 | 131.5 | 125.3 | 119.0 | 115.9 | 112.7 | 109.6 |
| 15°    | 761.0  | 623.2 | 316.3 | 156.6 | 109.6 | 94.0  | 87.7  | 90.8  | 97.1  | 97.1  | 97.1  |
| 17.5°  | 704.7  | 548.1 | 263.1 | 119.0 | 90.8  | 68.9  | 75.2  | 81.4  | 87.7  | 78.3  | 75.2  |
| 20°    | 842.5  | 645.2 | 256.8 | 94.0  | 75.2  | 68.9  | 65.8  | 56.4  | 72.0  | 72.0  | 72.0  |
| 22.5°  | 610.7  | 488.6 | 194.2 | 87.7  | 62.6  | 59.5  | 50.1  | 56.4  | 59.5  | 50.1  | 50.1  |
| 25°    | 905.1  | 635.8 | 191.0 | 68.9  | 62.6  | 47.0  | 50.1  | 40.7  | 50.1  | 50.1  | 50.1  |
| 27.5°  | 1121.2 | 751.6 | 169.1 | 72.0  | 53.2  | 47.0  | 37.6  | 40.7  | 37.6  | 37.6  | 37.6  |
| 30°    | 1334.2 | 845.6 | 153.5 | 72.0  | 50.1  | 37.6  | 34.4  | 31.3  | 37.6  | 37.6  | 37.6  |
| 32.5°  | 1396.8 | 823.7 | 122.1 | 75.2  | 47.0  | 34.4  | 28.2  | 31.3  | 31.3  | 34.4  | 34.4  |
| 35°    | 1468.8 | 804.9 | 103.3 | 65.8  | 43.8  | 31.3  | 25.1  | 28.2  | 31.3  | 34.4  | 34.4  |
| 37.5°  | 1537.7 | 773.6 | 94.0  | 59.5  | 37.6  | 28.2  | 21.9  | 25.1  | 65.8  | 72.0  | 72.0  |
| 40°    | 1625.4 | 736.0 | 87.7  | 53.2  | 31.3  | 21.9  | 18.8  | 50.1  | 59.5  | 68.9  | 68.9  |
| 42.5°  | 1750.7 | 714.1 | 81.4  | 50.1  | 28.2  | 18.8  | 18.8  | 43.8  | 84.6  | 94.0  | 94.0  |
| 45°    | 1854.0 | 676.5 | 78.3  | 43.8  | 25.1  | 15.7  | 31.3  | 59.5  | 68.9  | 87.7  | 84.6  |
| 47.5°  | 1982.4 | 642.0 | 75.2  | 40.7  | 21.9  | 15.7  | 34.4  | 62.6  | 87.7  | 100.2 | 100.2 |
| 50°    | 2120.2 | 623.2 | 72.0  | 37.6  | 21.9  | 15.7  | 59.5  | 59.5  | 72.0  | 112.7 | 112.7 |
| 52.5°  | 2295.6 | 610.7 | 65.8  | 31.3  | 18.8  | 31.3  | 81.4  | 72.0  | 87.7  | 115.9 | 115.9 |
| 55°    | 2380.2 | 570.0 | 62.6  | 28.2  | 15.7  | 31.3  | 87.7  | 81.4  | 90.8  | 122.1 | 122.1 |
| 57.5°  | 2455.3 | 529.3 | 56.4  | 28.2  | 15.7  | 40.7  | 94.0  | 103.3 | 87.7  | 106.5 | 119.0 |
| 60°    | 2524.2 | 488.6 | 50.1  | 25.1  | 15.7  | 50.1  | 103.3 | 144.1 | 122.1 | 144.1 | 144.1 |
| 62.5°  | 2684.0 | 457.2 | 43.8  | 28.2  | 12.5  | 56.4  | 134.7 | 175.4 | 137.8 | 175.4 | 172.2 |
| 65°    | 2834.3 | 419.7 | 40.7  | 25.1  | 15.7  | 65.8  | 147.2 | 203.6 | 150.3 | 203.6 | 203.6 |
| 67.5°  | 2893.8 | 372.7 | 37.6  | 25.1  | 15.7  | 75.2  | 147.2 | 225.5 | 178.5 | 228.6 | 231.8 |
| 70°    | 2790.4 | 306.9 | 34.4  | 28.2  | 18.8  | 84.6  | 153.5 | 241.1 | 191.0 | 266.2 | 266.2 |
| 72.5°  | 2370.8 | 209.8 | 34.4  | 31.3  | 37.6  | 94.0  | 181.6 | 250.5 | 200.4 | 319.4 | 322.6 |
| 75°    | 1769.5 | 119.0 | 37.6  | 34.4  | 40.7  | 106.5 | 200.4 | 259.9 | 209.8 | 322.6 | 322.6 |
| 77.5°  | 1008.4 | 81.4  | 37.6  | 40.7  | 50.1  | 106.5 | 209.8 | 269.3 | 206.7 | 316.3 | 310.0 |
| 80°    | 350.8  | 59.5  | 37.6  | 47.0  | 62.6  | 106.5 | 213.0 | 266.2 | 200.4 | 294.4 | 294.4 |
| 82.5°  | 238.0  | 50.1  | 37.6  | 47.0  | 75.2  | 112.7 | 209.8 | 250.5 | 178.5 | 247.4 | 238.0 |
| 85°    | 222.4  | 40.7  | 40.7  | 50.1  | 81.4  | 112.7 | 191.0 | 216.1 | 150.3 | 184.8 | 181.6 |
| 87.5°  | 219.2  | 37.6  | 47.0  | 53.2  | 87.7  | 103.3 | 162.9 | 178.5 | 122.1 | 150.3 | 147.2 |
| 90°    | 228.6  | 37.6  | 50.1  | 56.4  | 81.4  | 84.6  | 131.5 | 150.3 | 100.2 | 119.0 | 115.9 |
| 92.5°  | 244.3  | 37.6  | 53.2  | 62.6  | 72.0  | 62.6  | 106.5 | 119.0 | 84.6  | 90.8  | 87.7  |
| 95°    | 259.9  | 37.6  | 59.5  | 65.8  | 59.5  | 47.0  | 81.4  | 97.1  | 68.9  | 65.8  | 65.8  |
| 97.5°  | 172.2  | 28.2  | 62.6  | 65.8  | 50.1  | 34.4  | 62.6  | 75.2  | 40.7  | 34.4  | 34.4  |
| 100°   | 56.4   | 21.9  | 65.8  | 68.9  | 47.0  | 25.1  | 53.2  | 56.4  | 31.3  | 15.7  | 15.7  |
| 102.5° | 25.1   | 21.9  | 59.5  | 59.5  | 40.7  | 18.8  | 37.6  | 40.7  | 21.9  | 6.3   | 6.3   |
| 105°   | 21.9   | 12.5  | 34.4  | 43.8  | 28.2  | 9.4   | 18.8  | 21.9  | 12.5  | 6.3   | 6.3   |
| 107.5° | 25.1   | 12.5  | 18.8  | 25.1  | 12.5  | 9.4   | 9.4   | 9.4   | 6.3   | 6.3   | 6.3   |
| 110°   | 25.1   | 12.5  | 9.4   | 15.7  | 12.5  | 9.4   | 6.3   | 6.3   | 6.3   | 9.4   | 9.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 28.2 | 12.5 | 9.4  | 12.5 | 9.4  | 9.4  | 6.3  | 6.3  | 12.5 | 21.9 | 21.9 |
| 115°   | 28.2 | 12.5 | 9.4  | 12.5 | 9.4  | 9.4  | 6.3  | 3.1  | 12.5 | 31.3 | 34.4 |
| 117.5° | 31.3 | 15.7 | 6.3  | 9.4  | 6.3  | 6.3  | 6.3  | 3.1  | 15.7 | 40.7 | 40.7 |
| 120°   | 37.6 | 15.7 | 6.3  | 6.3  | 6.3  | 3.1  | 6.3  | 6.3  | 15.7 | 43.8 | 43.8 |
| 122.5° | 37.6 | 18.8 | 6.3  | 6.3  | 6.3  | 3.1  | 3.1  | 6.3  | 18.8 | 40.7 | 43.8 |
| 125°   | 31.3 | 15.7 | 6.3  | 6.3  | 6.3  | 3.1  | 3.1  | 6.3  | 18.8 | 37.6 | 43.8 |
| 127.5° | 25.1 | 15.7 | 6.3  | 6.3  | 6.3  | 3.1  | 3.1  | 6.3  | 18.8 | 31.3 | 34.4 |
| 130°   | 21.9 | 12.5 | 6.3  | 6.3  | 6.3  | 3.1  | 3.1  | 6.3  | 15.7 | 25.1 | 28.2 |
| 132.5° | 15.7 | 9.4  | 6.3  | 6.3  | 6.3  | 3.1  | 3.1  | 3.1  | 15.7 | 25.1 | 25.1 |
| 135°   | 12.5 | 9.4  | 6.3  | 6.3  | 6.3  | 3.1  | 3.1  | 3.1  | 12.5 | 18.8 | 18.8 |
| 137.5° | 6.3  | 3.1  | 6.3  | 6.3  | 6.3  | 3.1  | 3.1  | 3.1  | 9.4  | 9.4  | 9.4  |
| 140°   | 3.1  | 3.1  | 3.1  | 6.3  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 6.3  | 3.1  |
| 142.5° | 3.1  | 3.1  | 3.1  | 6.3  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  |
| 145°   | 3.1  | 3.1  | 3.1  | 6.3  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  |
| 147.5° | 3.1  | 3.1  | 3.1  | 6.3  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  |
| 150°   | 3.1  | 3.1  | 3.1  | 6.3  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  |
| 152.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 0.0  | 3.1  | 3.1  | 3.1  | 3.1  |
| 155°   | 6.3  | 6.3  | 3.1  | 6.3  | 3.1  | 3.1  | 0.0  | 3.1  | 3.1  | 3.1  | 3.1  |
| 157.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 0.0  | 3.1  | 3.1  | 3.1  | 3.1  |
| 160°   | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 0.0  | 3.1  | 3.1  | 3.1  | 3.1  |
| 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)