

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: P560997

Luminaire Tested: **SDL-PA1-70-830-U-T2R-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560997  
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-PA1-70-830-U-T2R-HSS-A  
Description: Springdale  
(1) 80 CRI, 3000K, 930mA 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: 5134.8 lumens  
Efficiency: N/A  
Efficacy: 71.1 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 - G1

Input Watts (W): 72.2  
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: 24 FT

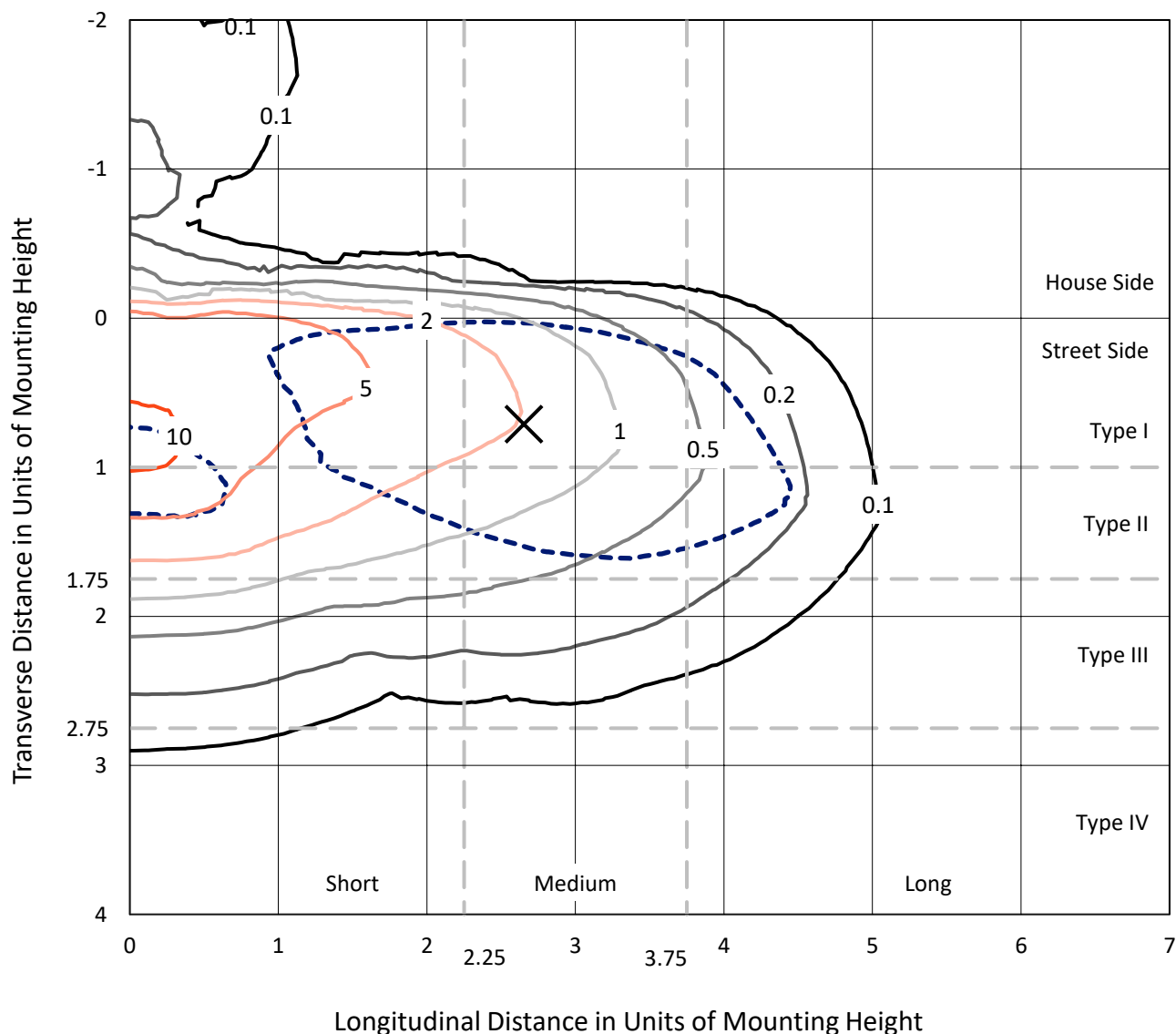


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

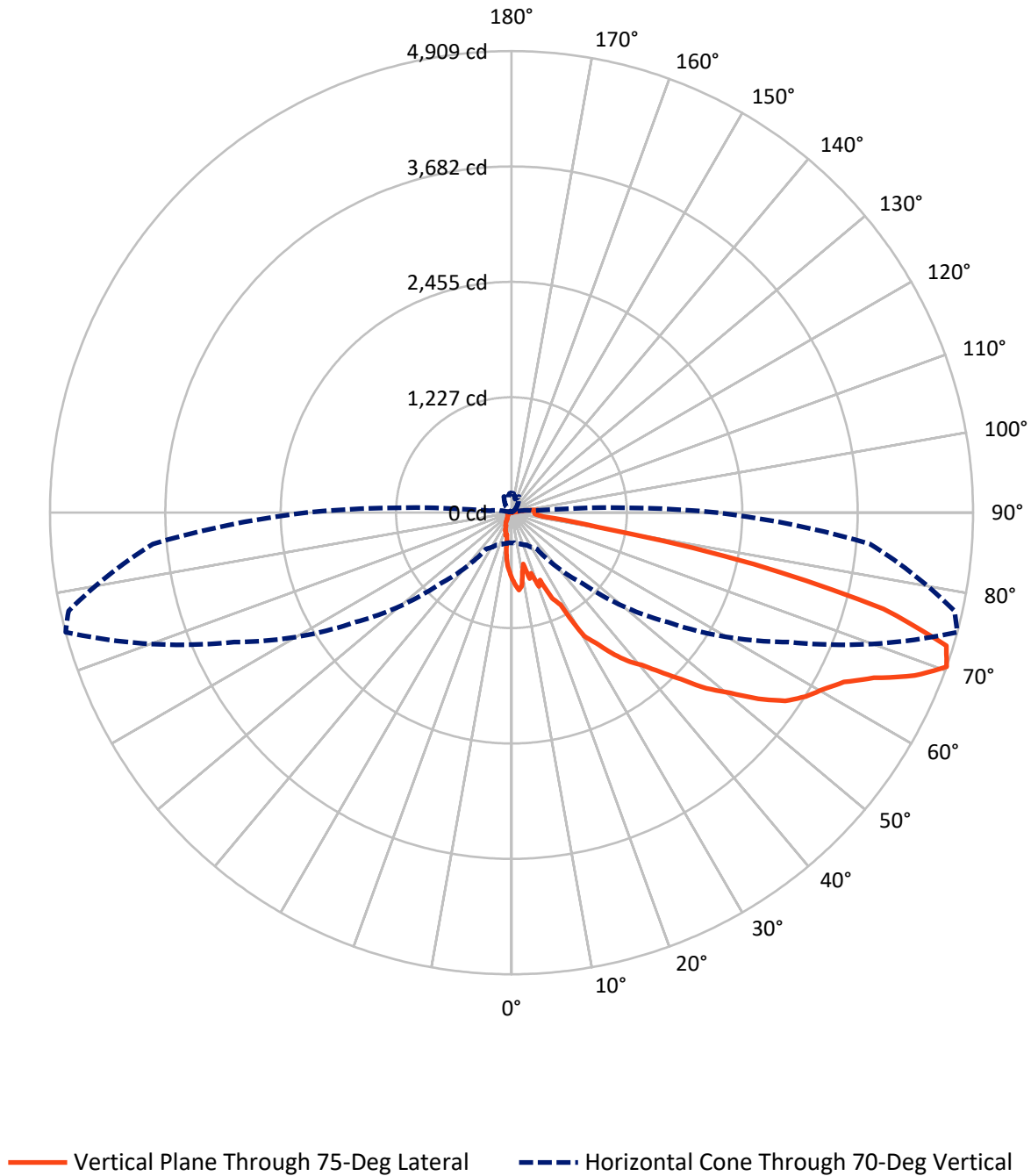


Based on 10 foot mounting height. Maximum calculated value = 12.8 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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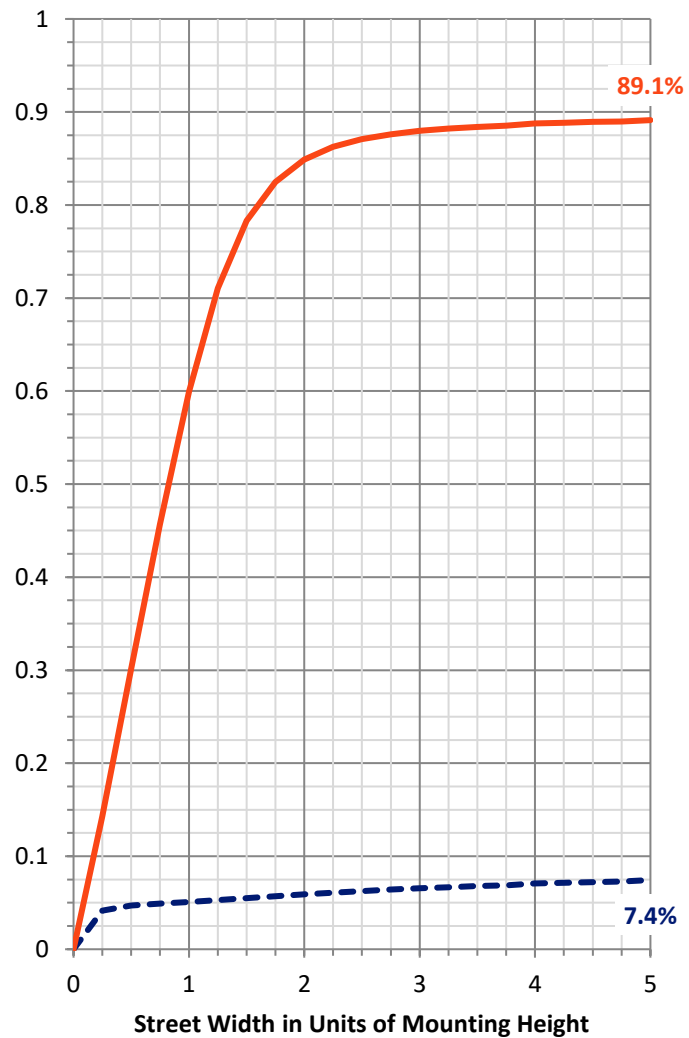
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 418.4    | 52.0   | 470.4  |
|                    | % Fixture | 8.1      | 1.0    | 9.2    |
| <b>Street Side</b> | Lumens    | 4598.9   | 65.5   | 4664.4 |
|                    | % Fixture | 89.6     | 1.3    | 90.8   |
| <b>Total</b>       | Lumens    | 5017.3   | 117.5  | 5134.8 |
|                    | % Fixture | 97.7     | 2.3    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.4   | 1.1       |
| 10°-20°   | 135.4  | 2.6       |
| 20°-30°   | 254.1  | 4.9       |
| 30°-40°   | 570.2  | 11.1      |
| 40°-50°   | 938.5  | 18.3      |
| 50°-60°   | 1150.4 | 22.4      |
| 60°-70°   | 1077.4 | 21.0      |
| 70°-80°   | 701.7  | 13.7      |
| 80°-90°   | 134.0  | 2.6       |
| 90°-100°  | 76.9   | 1.5       |
| 100°-110° | 17.3   | 0.3       |
| 110°-120° | 8.8    | 0.2       |
| 120°-130° | 7.4    | 0.1       |
| 130°-140° | 3.6    | 0.1       |
| 140°-150° | 1.8    | 0.0       |
| 150°-160° | 1.5    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 5017.3 | 97.7      |
| 0°-180°   | 5134.8 | 100.0     |

**Coefficient of Utilization**



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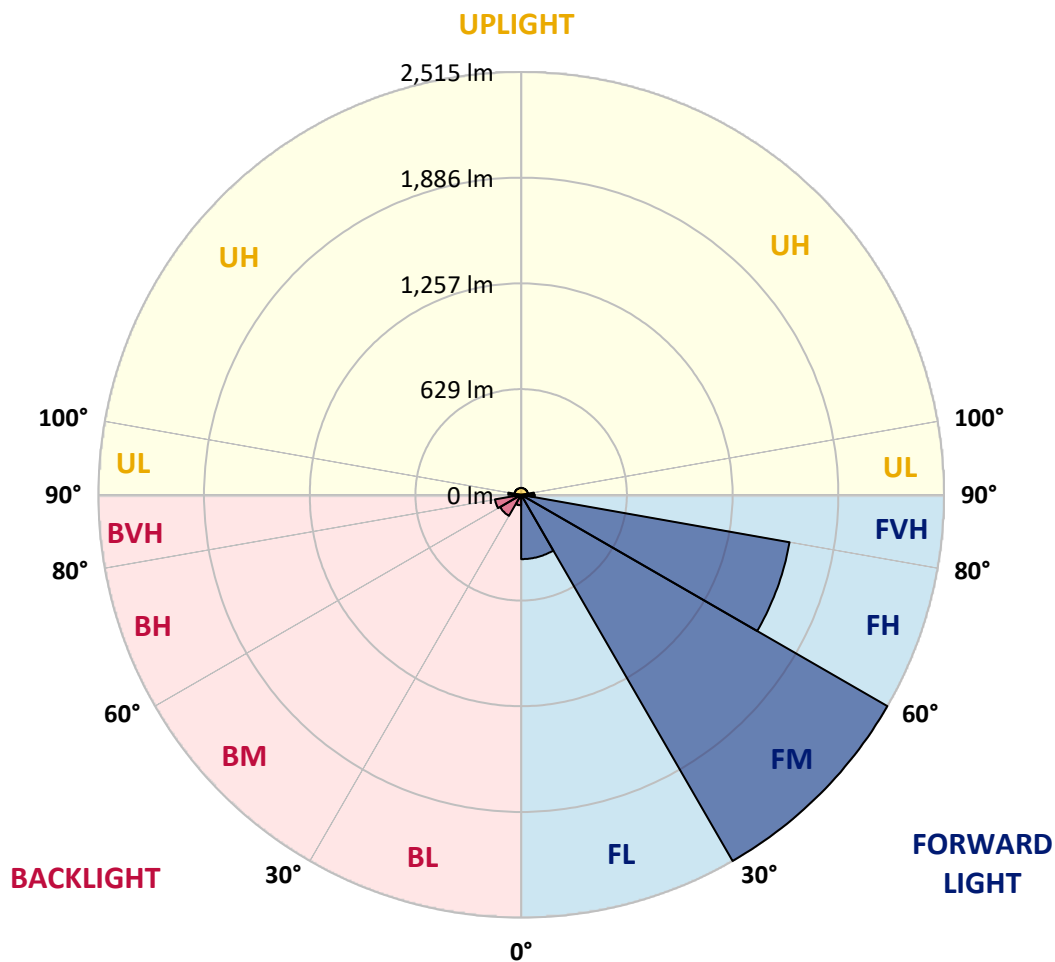
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 382.5  | 7.4       |                         |        |         |
| FM   | (30°-60°)   | 2514.6 | 49.0      |                         |        |         |
| FH   | (60°-80°)   | 1620.7 | 31.6      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 81.1   | 1.6       |                         |        | G1/100  |
| BL   | (0°-30°)    | 62.5   | 1.2       | B0/110                  |        |         |
| BM   | (30°-60°)   | 144.6  | 2.8       | B0/220                  |        |         |
| BH   | (60°-80°)   | 158.4  | 3.1       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 52.9   | 1.0       |                         |        | G1/100  |
| UL   | (90°-100°)  | 76.9   | 1.5       |                         | U3/500 |         |
| UH   | (100°-180°) | 40.6   | 0.8       |                         | U2/50  |         |

**BUG Rating: B1-U3-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77.5°  | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 698.5  | 698.5  | 698.5  | 698.5  | 698.5  | 698.5  | 698.5  | 698.5  | 698.5  | 698.5  | 698.5  |
| 2.5°   | 779.4  | 828.4  | 843.2  | 867.7  | 879.9  | 865.2  | 838.2  | 803.9  | 767.2  | 757.4  | 725.5  |
| 5°     | 884.8  | 875.0  | 867.7  | 867.7  | 853.0  | 821.1  | 791.7  | 882.4  | 826.0  | 813.7  | 750.0  |
| 7.5°   | 803.9  | 879.9  | 936.3  | 941.2  | 933.8  | 909.3  | 867.7  | 774.5  | 786.8  | 772.1  | 693.6  |
| 10°    | 973.1  | 975.5  | 965.7  | 973.1  | 904.4  | 870.1  | 735.3  | 678.9  | 634.8  | 693.6  | 622.6  |
| 12.5°  | 806.4  | 926.5  | 995.1  | 1019.6 | 933.8  | 821.1  | 752.5  | 723.1  | 561.3  | 546.6  | 563.7  |
| 15°    | 985.3  | 990.2  | 997.6  | 973.1  | 757.4  | 860.3  | 698.5  | 644.6  | 728.0  | 708.3  | 696.1  |
| 17.5°  | 779.4  | 789.2  | 955.9  | 946.1  | 877.5  | 681.4  | 830.9  | 740.2  | 676.5  | 652.0  | 634.8  |
| 20°    | 992.7  | 995.1  | 992.7  | 752.5  | 818.6  | 916.7  | 781.9  | 757.4  | 838.2  | 828.4  | 784.3  |
| 22.5°  | 833.3  | 833.3  | 889.7  | 965.7  | 860.3  | 919.1  | 796.6  | 943.6  | 779.4  | 774.5  | 583.3  |
| 25°    | 1152.0 | 1152.0 | 1112.8 | 853.0  | 975.5  | 865.2  | 946.1  | 848.1  | 1007.4 | 973.1  | 875.0  |
| 27.5°  | 1120.1 | 1085.8 | 1024.5 | 1076.0 | 943.6  | 1083.4 | 916.7  | 1034.3 | 1110.3 | 1142.2 | 1090.7 |
| 30°    | 1556.4 | 1556.4 | 1490.2 | 1152.0 | 1105.4 | 1046.6 | 1058.8 | 1237.8 | 1522.1 | 1527.0 | 1318.7 |
| 32.5°  | 2107.9 | 2068.7 | 1718.2 | 1485.3 | 1208.4 | 1313.7 | 1196.1 | 1455.9 | 1654.4 | 1647.1 | 1402.0 |
| 35°    | 2333.4 | 2321.1 | 2213.3 | 1823.6 | 1399.5 | 1438.8 | 1348.1 | 1539.2 | 1833.4 | 1784.3 | 1502.5 |
| 37.5°  | 2563.8 | 2544.2 | 2433.9 | 2014.7 | 1600.5 | 1652.0 | 1460.8 | 1661.8 | 1997.6 | 1926.5 | 1612.8 |
| 40°    | 2705.9 | 2708.4 | 2629.9 | 2166.7 | 1759.8 | 1786.8 | 1595.6 | 1811.3 | 2129.9 | 2144.6 | 1708.4 |
| 42.5°  | 2855.4 | 2853.0 | 2789.3 | 2345.6 | 1892.2 | 1926.5 | 1703.5 | 1953.5 | 2308.9 | 2326.0 | 1870.1 |
| 45°    | 2936.3 | 2931.4 | 2894.7 | 2468.2 | 1997.6 | 2022.1 | 1870.1 | 2127.5 | 2527.0 | 2522.1 | 2002.5 |
| 47.5°  | 2955.9 | 2963.3 | 2960.8 | 2588.3 | 2107.9 | 2117.7 | 2019.6 | 2254.9 | 2791.7 | 2737.8 | 2176.5 |
| 50°    | 2845.6 | 2850.5 | 2884.9 | 2683.9 | 2188.8 | 2198.6 | 2137.3 | 2399.6 | 3014.8 | 2951.0 | 2333.4 |
| 52.5°  | 2539.3 | 2568.7 | 2713.3 | 2625.0 | 2223.1 | 2259.8 | 2247.6 | 2509.8 | 3286.8 | 3208.4 | 2527.0 |
| 55°    | 1887.3 | 1955.9 | 2286.8 | 2404.5 | 2205.9 | 2262.3 | 2345.6 | 2710.8 | 3534.4 | 3438.8 | 2683.9 |
| 57.5°  | 1504.9 | 1517.2 | 1713.3 | 2036.8 | 2066.2 | 2250.0 | 2448.6 | 2833.4 | 3688.8 | 3593.2 | 2796.6 |
| 60°    | 1188.7 | 1208.4 | 1335.8 | 1595.6 | 1804.0 | 2176.5 | 2478.0 | 2958.4 | 3811.3 | 3730.5 | 2921.6 |
| 62.5°  | 921.6  | 919.1  | 1017.2 | 1191.2 | 1453.5 | 2022.1 | 2438.8 | 3034.4 | 3968.2 | 3906.9 | 3144.7 |
| 65°    | 642.2  | 642.2  | 725.5  | 865.2  | 1100.5 | 1745.1 | 2360.3 | 3142.2 | 4235.4 | 4218.2 | 3421.6 |
| 67.5°  | 438.7  | 448.5  | 504.9  | 573.5  | 754.9  | 1419.1 | 2242.7 | 3252.5 | 4625.1 | 4544.2 | 3688.8 |
| 70°    | 321.1  | 321.1  | 343.1  | 379.9  | 470.6  | 1058.8 | 2031.9 | 3255.0 | 4909.4 | 4826.1 | 3828.5 |
| 72.5°  | 237.7  | 237.7  | 254.9  | 272.1  | 296.6  | 703.4  | 1666.7 | 3049.1 | 4835.9 | 4703.5 | 3544.2 |
| 75°    | 125.0  | 125.0  | 193.6  | 201.0  | 198.5  | 455.9  | 1230.4 | 2504.9 | 4088.3 | 3867.7 | 2774.6 |
| 77.5°  | 98.0   | 100.5  | 110.3  | 156.9  | 144.6  | 299.0  | 686.3  | 1541.7 | 2642.2 | 2372.6 | 1502.5 |
| 80°    | 71.1   | 68.6   | 85.8   | 100.5  | 85.8   | 174.0  | 323.5  | 676.5  | 936.3  | 811.3  | 495.1  |
| 82.5°  | 41.7   | 44.1   | 51.5   | 73.5   | 73.5   | 122.6  | 210.8  | 296.6  | 335.8  | 333.3  | 296.6  |
| 85°    | 4.9    | 7.4    | 27.0   | 49.0   | 44.1   | 71.1   | 176.5  | 205.9  | 264.7  | 269.6  | 264.7  |
| 87.5°  | 4.9    | 4.9    | 7.4    | 9.8    | 12.3   | 46.6   | 149.5  | 178.9  | 245.1  | 262.3  | 264.7  |
| 90°    | 9.8    | 7.4    | 4.9    | 4.9    | 7.4    | 36.8   | 139.7  | 183.8  | 259.8  | 264.7  | 277.0  |
| 92.5°  | 12.3   | 9.8    | 4.9    | 2.5    | 7.4    | 29.4   | 132.4  | 183.8  | 269.6  | 286.8  | 299.0  |
| 95°    | 17.2   | 14.7   | 4.9    | 2.5    | 7.4    | 24.5   | 112.7  | 174.0  | 281.9  | 311.3  | 323.5  |
| 97.5°  | 22.1   | 19.6   | 4.9    | 4.9    | 7.4    | 19.6   | 88.2   | 137.3  | 186.3  | 210.8  | 227.9  |
| 100°   | 24.5   | 24.5   | 4.9    | 4.9    | 7.4    | 12.3   | 44.1   | 76.0   | 58.8   | 56.4   | 63.7   |
| 102.5° | 27.0   | 27.0   | 4.9    | 4.9    | 4.9    | 7.4    | 14.7   | 31.9   | 12.3   | 12.3   | 19.6   |
| 105°   | 27.0   | 27.0   | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 12.3   | 9.8    | 12.3   | 22.1   |
| 107.5° | 24.5   | 27.0   | 4.9    | 7.4    | 7.4    | 4.9    | 4.9    | 4.9    | 9.8    | 14.7   | 22.1   |
| 110°   | 22.1   | 22.1   | 4.9    | 7.4    | 7.4    | 4.9    | 2.5    | 4.9    | 9.8    | 14.7   | 24.5   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25° | 35° | 45° | 55° | 65° | 75°  | 77.5° | 85°  |
|--------|------|------|------|-----|-----|-----|-----|-----|------|-------|------|
| 112.5° | 17.2 | 12.3 | 2.5  | 7.4 | 4.9 | 4.9 | 2.5 | 4.9 | 12.3 | 17.2  | 24.5 |
| 115°   | 7.4  | 4.9  | 2.5  | 4.9 | 4.9 | 4.9 | 2.5 | 4.9 | 12.3 | 19.6  | 24.5 |
| 117.5° | 4.9  | 2.5  | 2.5  | 2.5 | 2.5 | 4.9 | 2.5 | 7.4 | 17.2 | 22.1  | 29.4 |
| 120°   | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 7.4 | 22.1 | 24.5  | 34.3 |
| 122.5° | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 4.9 | 22.1 | 24.5  | 34.3 |
| 125°   | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 4.9 | 17.2 | 22.1  | 29.4 |
| 127.5° | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 4.9 | 12.3 | 17.2  | 24.5 |
| 130°   | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 12.3 | 14.7  | 19.6 |
| 132.5° | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 7.4  | 9.8   | 14.7 |
| 135°   | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.9  | 4.9   | 9.8  |
| 137.5° | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 140°   | 2.5  | 0.0  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 142.5° | 2.5  | 2.5  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 145°   | 2.5  | 2.5  | 2.5  | 2.5 | 4.9 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 147.5° | 2.5  | 2.5  | 2.5  | 4.9 | 4.9 | 4.9 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 150°   | 4.9  | 7.4  | 12.3 | 9.8 | 4.9 | 2.5 | 4.9 | 2.5 | 2.5  | 2.5   | 2.5  |
| 152.5° | 12.3 | 12.3 | 9.8  | 9.8 | 2.5 | 2.5 | 4.9 | 4.9 | 2.5  | 2.5   | 2.5  |
| 155°   | 9.8  | 9.8  | 7.4  | 2.5 | 2.5 | 2.5 | 2.5 | 4.9 | 7.4  | 9.8   | 7.4  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 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°     | 698.5  | 698.5 | 698.5 | 698.5 | 698.5 | 698.5 | 698.5 | 698.5 | 698.5 | 698.5 | 698.5 |
| 2.5°   | 701.0  | 676.5 | 622.6 | 580.9 | 536.8 | 512.3 | 465.7 | 426.5 | 397.1 | 392.2 | 392.2 |
| 5°     | 701.0  | 652.0 | 556.4 | 453.4 | 357.8 | 308.8 | 281.9 | 264.7 | 252.5 | 247.6 | 245.1 |
| 7.5°   | 627.5  | 563.7 | 436.3 | 316.2 | 274.5 | 230.4 | 198.5 | 174.0 | 152.0 | 144.6 | 137.3 |
| 10°    | 549.0  | 470.6 | 296.6 | 218.1 | 174.0 | 144.6 | 129.9 | 122.6 | 115.2 | 112.7 | 112.7 |
| 12.5°  | 487.8  | 406.9 | 237.7 | 178.9 | 122.6 | 102.9 | 98.0  | 93.1  | 90.7  | 88.2  | 85.8  |
| 15°    | 595.6  | 487.8 | 247.6 | 122.6 | 85.8  | 73.5  | 68.6  | 71.1  | 76.0  | 76.0  | 76.0  |
| 17.5°  | 551.5  | 428.9 | 205.9 | 93.1  | 71.1  | 53.9  | 58.8  | 63.7  | 68.6  | 61.3  | 58.8  |
| 20°    | 659.3  | 504.9 | 201.0 | 73.5  | 58.8  | 53.9  | 51.5  | 44.1  | 56.4  | 56.4  | 56.4  |
| 22.5°  | 477.9  | 382.4 | 152.0 | 68.6  | 49.0  | 46.6  | 39.2  | 44.1  | 46.6  | 39.2  | 39.2  |
| 25°    | 708.3  | 497.6 | 149.5 | 53.9  | 49.0  | 36.8  | 39.2  | 31.9  | 39.2  | 39.2  | 39.2  |
| 27.5°  | 877.5  | 588.2 | 132.4 | 56.4  | 41.7  | 36.8  | 29.4  | 31.9  | 29.4  | 29.4  | 29.4  |
| 30°    | 1044.1 | 661.8 | 120.1 | 56.4  | 39.2  | 29.4  | 27.0  | 24.5  | 29.4  | 29.4  | 29.4  |
| 32.5°  | 1093.2 | 644.6 | 95.6  | 58.8  | 36.8  | 27.0  | 22.1  | 24.5  | 24.5  | 27.0  | 27.0  |
| 35°    | 1149.5 | 629.9 | 80.9  | 51.5  | 34.3  | 24.5  | 19.6  | 22.1  | 24.5  | 27.0  | 27.0  |
| 37.5°  | 1203.5 | 605.4 | 73.5  | 46.6  | 29.4  | 22.1  | 17.2  | 19.6  | 51.5  | 56.4  | 56.4  |
| 40°    | 1272.1 | 576.0 | 68.6  | 41.7  | 24.5  | 17.2  | 14.7  | 39.2  | 46.6  | 53.9  | 53.9  |
| 42.5°  | 1370.1 | 558.8 | 63.7  | 39.2  | 22.1  | 14.7  | 14.7  | 34.3  | 66.2  | 73.5  | 73.5  |
| 45°    | 1451.0 | 529.4 | 61.3  | 34.3  | 19.6  | 12.3  | 24.5  | 46.6  | 53.9  | 68.6  | 66.2  |
| 47.5°  | 1551.5 | 502.5 | 58.8  | 31.9  | 17.2  | 12.3  | 27.0  | 49.0  | 68.6  | 78.4  | 78.4  |
| 50°    | 1659.3 | 487.8 | 56.4  | 29.4  | 17.2  | 12.3  | 46.6  | 46.6  | 56.4  | 88.2  | 88.2  |
| 52.5°  | 1796.6 | 477.9 | 51.5  | 24.5  | 14.7  | 24.5  | 63.7  | 56.4  | 68.6  | 90.7  | 90.7  |
| 55°    | 1862.8 | 446.1 | 49.0  | 22.1  | 12.3  | 24.5  | 68.6  | 63.7  | 71.1  | 95.6  | 95.6  |
| 57.5°  | 1921.6 | 414.2 | 44.1  | 22.1  | 12.3  | 31.9  | 73.5  | 80.9  | 68.6  | 83.3  | 93.1  |
| 60°    | 1975.5 | 382.4 | 39.2  | 19.6  | 12.3  | 39.2  | 80.9  | 112.7 | 95.6  | 112.7 | 112.7 |
| 62.5°  | 2100.5 | 357.8 | 34.3  | 22.1  | 9.8   | 44.1  | 105.4 | 137.3 | 107.8 | 137.3 | 134.8 |
| 65°    | 2218.2 | 328.4 | 31.9  | 19.6  | 12.3  | 51.5  | 115.2 | 159.3 | 117.6 | 159.3 | 159.3 |
| 67.5°  | 2264.7 | 291.7 | 29.4  | 19.6  | 12.3  | 58.8  | 115.2 | 176.5 | 139.7 | 178.9 | 181.4 |
| 70°    | 2183.9 | 240.2 | 27.0  | 22.1  | 14.7  | 66.2  | 120.1 | 188.7 | 149.5 | 208.3 | 208.3 |
| 72.5°  | 1855.4 | 164.2 | 27.0  | 24.5  | 29.4  | 73.5  | 142.2 | 196.1 | 156.9 | 250.0 | 252.5 |
| 75°    | 1384.8 | 93.1  | 29.4  | 27.0  | 31.9  | 83.3  | 156.9 | 203.4 | 164.2 | 252.5 | 252.5 |
| 77.5°  | 789.2  | 63.7  | 29.4  | 31.9  | 39.2  | 83.3  | 164.2 | 210.8 | 161.8 | 247.6 | 242.7 |
| 80°    | 274.5  | 46.6  | 29.4  | 36.8  | 49.0  | 83.3  | 166.7 | 208.3 | 156.9 | 230.4 | 230.4 |
| 82.5°  | 186.3  | 39.2  | 29.4  | 36.8  | 58.8  | 88.2  | 164.2 | 196.1 | 139.7 | 193.6 | 186.3 |
| 85°    | 174.0  | 31.9  | 31.9  | 39.2  | 63.7  | 88.2  | 149.5 | 169.1 | 117.6 | 144.6 | 142.2 |
| 87.5°  | 171.6  | 29.4  | 36.8  | 41.7  | 68.6  | 80.9  | 127.5 | 139.7 | 95.6  | 117.6 | 115.2 |
| 90°    | 178.9  | 29.4  | 39.2  | 44.1  | 63.7  | 66.2  | 102.9 | 117.6 | 78.4  | 93.1  | 90.7  |
| 92.5°  | 191.2  | 29.4  | 41.7  | 49.0  | 56.4  | 49.0  | 83.3  | 93.1  | 66.2  | 71.1  | 68.6  |
| 95°    | 203.4  | 29.4  | 46.6  | 51.5  | 46.6  | 36.8  | 63.7  | 76.0  | 53.9  | 51.5  | 51.5  |
| 97.5°  | 134.8  | 22.1  | 49.0  | 51.5  | 39.2  | 27.0  | 49.0  | 58.8  | 31.9  | 27.0  | 27.0  |
| 100°   | 44.1   | 17.2  | 51.5  | 53.9  | 36.8  | 19.6  | 41.7  | 44.1  | 24.5  | 12.3  | 12.3  |
| 102.5° | 19.6   | 17.2  | 46.6  | 46.6  | 31.9  | 14.7  | 29.4  | 31.9  | 17.2  | 4.9   | 4.9   |
| 105°   | 17.2   | 9.8   | 27.0  | 34.3  | 22.1  | 7.4   | 14.7  | 17.2  | 9.8   | 4.9   | 4.9   |
| 107.5° | 19.6   | 9.8   | 14.7  | 19.6  | 9.8   | 7.4   | 7.4   | 7.4   | 4.9   | 4.9   | 4.9   |
| 110°   | 19.6   | 9.8   | 7.4   | 12.3  | 9.8   | 7.4   | 4.9   | 4.9   | 4.9   | 7.4   | 7.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 22.1 | 9.8  | 7.4  | 9.8  | 7.4  | 7.4  | 4.9  | 4.9  | 9.8  | 17.2 | 17.2 |
| 115°   | 22.1 | 9.8  | 7.4  | 9.8  | 7.4  | 7.4  | 4.9  | 2.5  | 9.8  | 24.5 | 27.0 |
| 117.5° | 24.5 | 12.3 | 4.9  | 7.4  | 4.9  | 4.9  | 4.9  | 2.5  | 12.3 | 31.9 | 31.9 |
| 120°   | 29.4 | 12.3 | 4.9  | 4.9  | 4.9  | 2.5  | 4.9  | 4.9  | 12.3 | 34.3 | 34.3 |
| 122.5° | 29.4 | 14.7 | 4.9  | 4.9  | 4.9  | 2.5  | 2.5  | 4.9  | 14.7 | 31.9 | 34.3 |
| 125°   | 24.5 | 12.3 | 4.9  | 4.9  | 4.9  | 2.5  | 2.5  | 4.9  | 14.7 | 29.4 | 34.3 |
| 127.5° | 19.6 | 12.3 | 4.9  | 4.9  | 4.9  | 2.5  | 2.5  | 4.9  | 14.7 | 24.5 | 27.0 |
| 130°   | 17.2 | 9.8  | 4.9  | 4.9  | 4.9  | 2.5  | 2.5  | 4.9  | 12.3 | 19.6 | 22.1 |
| 132.5° | 12.3 | 7.4  | 4.9  | 4.9  | 4.9  | 2.5  | 2.5  | 2.5  | 12.3 | 19.6 | 19.6 |
| 135°   | 9.8  | 7.4  | 4.9  | 4.9  | 4.9  | 2.5  | 2.5  | 2.5  | 9.8  | 14.7 | 14.7 |
| 137.5° | 4.9  | 2.5  | 4.9  | 4.9  | 4.9  | 2.5  | 2.5  | 2.5  | 7.4  | 7.4  | 7.4  |
| 140°   | 2.5  | 2.5  | 2.5  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 4.9  | 2.5  |
| 142.5° | 2.5  | 2.5  | 2.5  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 145°   | 2.5  | 2.5  | 2.5  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 147.5° | 2.5  | 2.5  | 2.5  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 150°   | 2.5  | 2.5  | 2.5  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 152.5° | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 0.0  | 2.5  | 2.5  | 2.5  | 2.5  |
| 155°   | 4.9  | 4.9  | 2.5  | 4.9  | 2.5  | 2.5  | 0.0  | 2.5  | 2.5  | 2.5  | 2.5  |
| 157.5° | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 0.0  | 2.5  | 2.5  | 2.5  | 2.5  |
| 160°   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 0.0  | 2.5  | 2.5  | 2.5  | 2.5  |
| 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)