

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: P530895

Luminaire Tested: **GLAN-SA6A-827-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6A-827-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11905 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

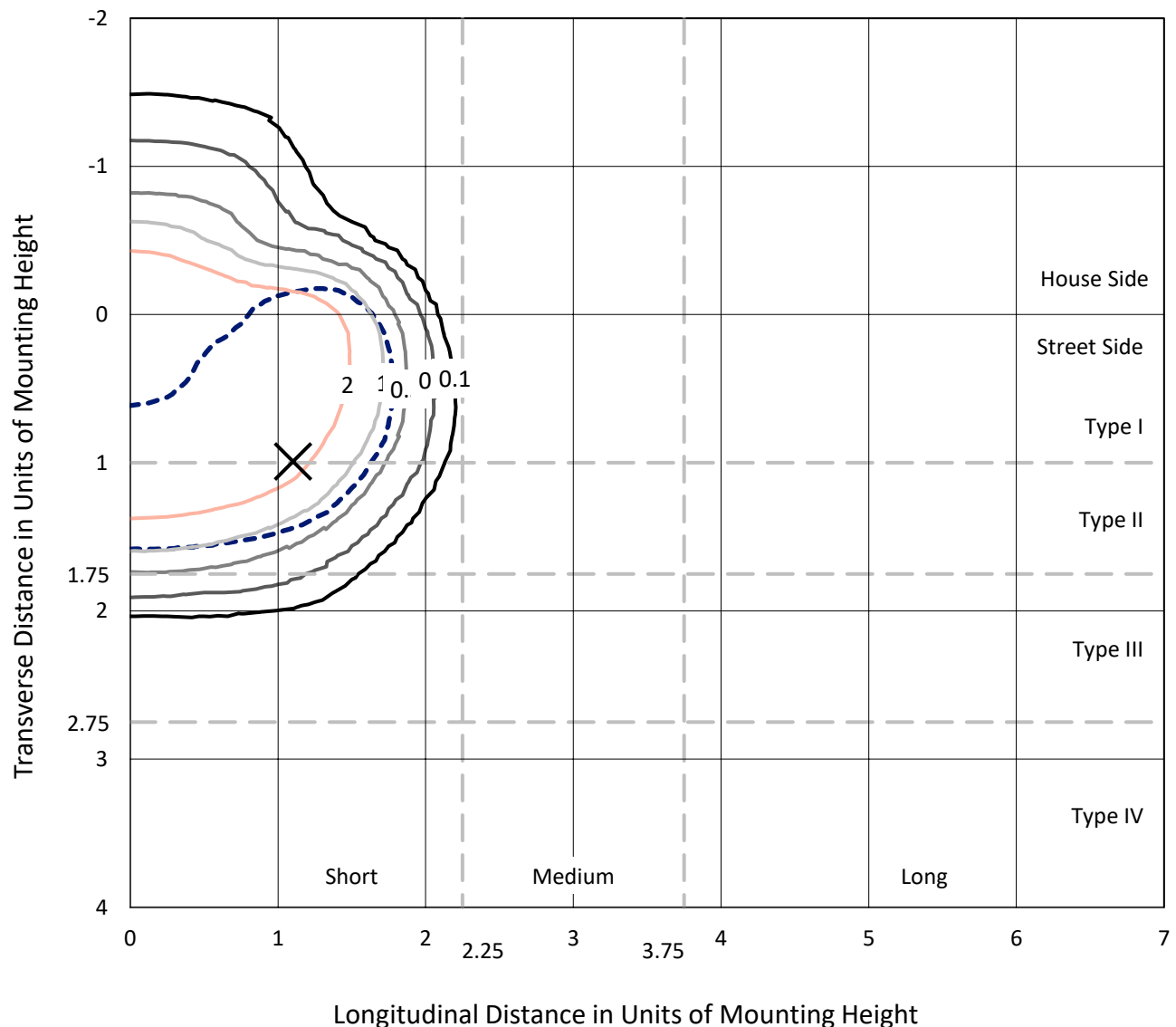
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

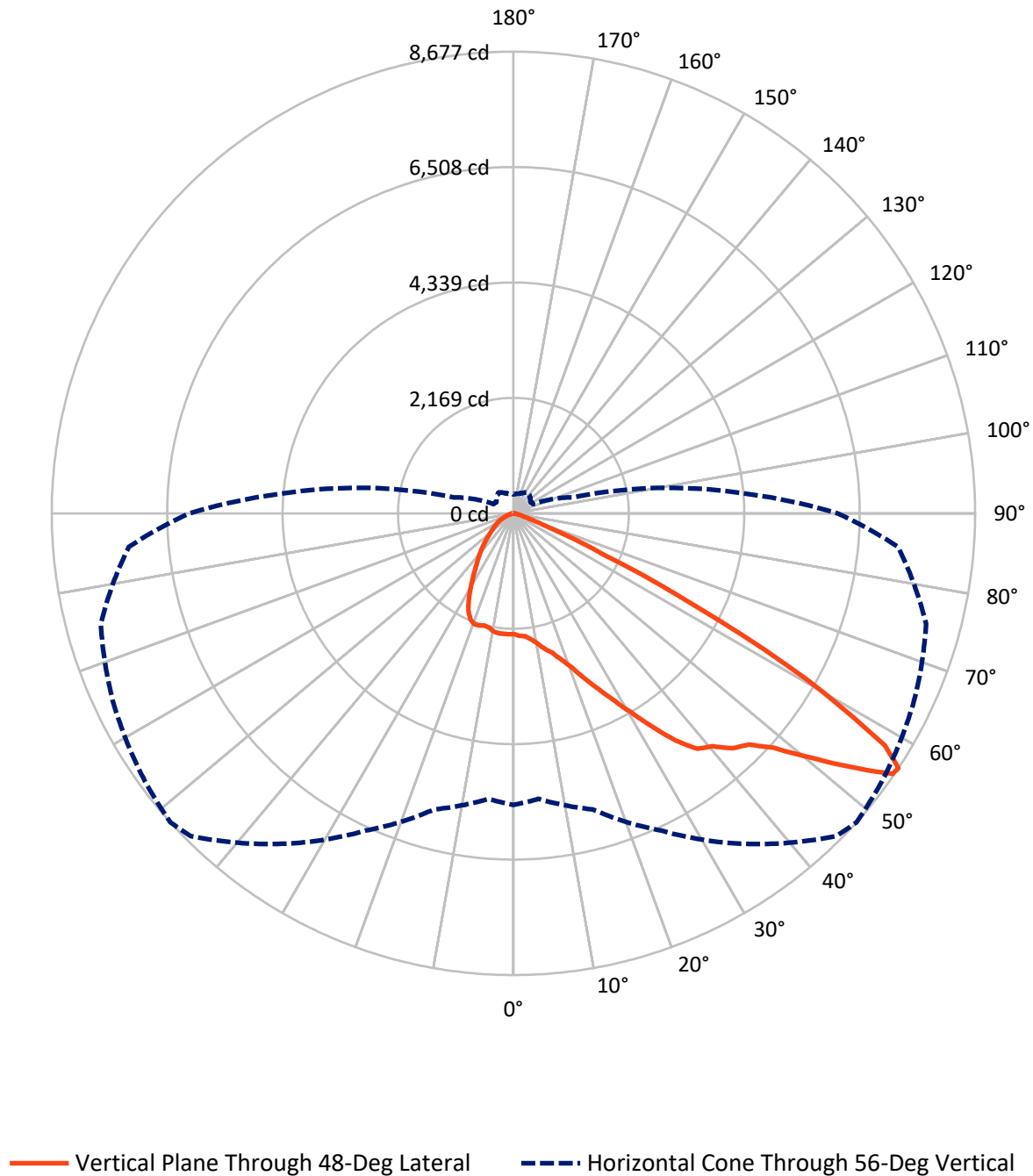
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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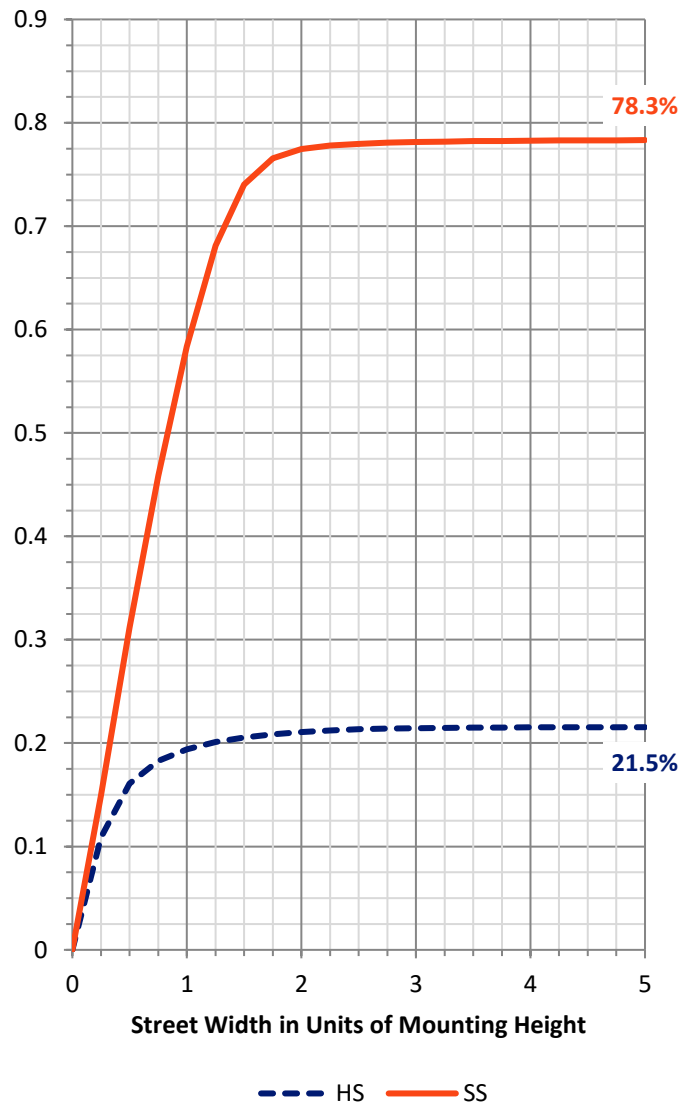
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2589.1   | 0.0    | 2589.1  |
|                    | % Fixture | 21.7     | 0.0    | 21.7    |
| <b>Street Side</b> | Lumens    | 9315.9   | 0.0    | 9315.9  |
|                    | % Fixture | 78.3     | 0.0    | 78.3    |
| <b>Total</b>       | Lumens    | 11905.0  | 0.0    | 11905.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 221.5   | 1.9       |
| 10°-20°   | 707.9   | 5.9       |
| 20°-30°   | 1283.9  | 10.8      |
| 30°-40°   | 2016.8  | 16.9      |
| 40°-50°   | 2942.2  | 24.7      |
| 50°-60°   | 3544.7  | 29.8      |
| 60°-70°   | 1037.9  | 8.7       |
| 70°-80°   | 131.7   | 1.1       |
| 80°-90°   | 18.5    | 0.2       |
| 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°    | 11905.0 | 100.0     |
| 0°-180°   | 11905.0 | 100.0     |

**Coefficient of Utilization**



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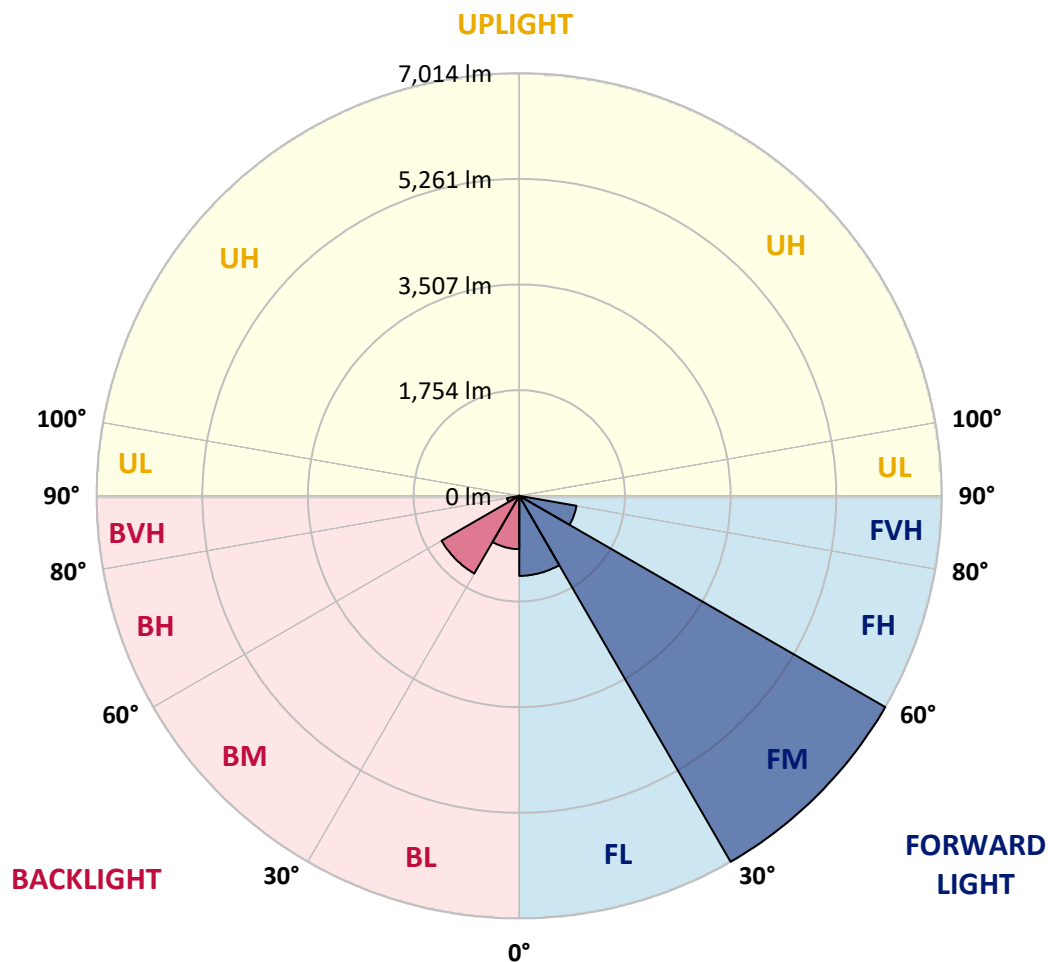
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1328.4 | 11.2      |                         |      |         |
| FM   | (30°-60°)   | 7014.5 | 58.9      |                         |      |         |
| FH   | (60°-80°)   | 963.8  | 8.1       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 9.3    | 0.1       |                         |      | G0/10   |
| BL   | (0°-30°)    | 884.9  | 7.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1489.3 | 12.5      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 205.7  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 9.2    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 48°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 |
| 2.5°  | 2315.0 | 2304.2 | 2304.2 | 2286.9 | 2306.4 | 2297.7 | 2304.2 | 2282.5 | 2304.2 | 2271.7 | 2297.7 |
| 5°    | 2325.9 | 2328.1 | 2319.4 | 2330.2 | 2330.2 | 2343.2 | 2321.5 | 2341.1 | 2351.9 | 2328.1 | 2317.2 |
| 7.5°  | 2382.2 | 2386.6 | 2384.4 | 2375.7 | 2393.1 | 2390.9 | 2388.7 | 2373.6 | 2377.9 | 2369.2 | 2356.2 |
| 10°   | 2492.8 | 2490.6 | 2501.5 | 2479.8 | 2466.8 | 2482.0 | 2486.3 | 2462.4 | 2445.1 | 2438.6 | 2397.4 |
| 12.5° | 2653.2 | 2627.2 | 2612.0 | 2590.3 | 2596.8 | 2575.2 | 2614.2 | 2573.0 | 2564.3 | 2525.3 | 2484.1 |
| 15°   | 2783.3 | 2778.9 | 2781.1 | 2746.4 | 2707.4 | 2716.1 | 2716.1 | 2694.4 | 2681.4 | 2633.7 | 2575.2 |
| 17.5° | 3049.9 | 2958.8 | 2978.3 | 2935.0 | 2902.5 | 2900.3 | 2880.8 | 2885.1 | 2850.5 | 2750.7 | 2661.9 |
| 20°   | 3258.0 | 3219.0 | 3188.6 | 3114.9 | 3065.1 | 3080.2 | 3071.6 | 3049.9 | 3039.0 | 2909.0 | 2783.3 |
| 22.5° | 3444.4 | 3457.4 | 3407.5 | 3388.0 | 3318.7 | 3325.2 | 3342.5 | 3323.0 | 3240.6 | 3106.2 | 2919.8 |
| 25°   | 3706.7 | 3691.5 | 3624.3 | 3600.5 | 3535.4 | 3559.3 | 3626.5 | 3611.3 | 3559.3 | 3316.5 | 3026.0 |
| 27.5° | 4016.6 | 3964.6 | 3977.6 | 3869.2 | 3806.4 | 3873.6 | 3953.8 | 4029.7 | 3882.3 | 3563.6 | 3151.8 |
| 30°   | 4235.6 | 4181.4 | 4177.1 | 4172.7 | 4157.5 | 4235.6 | 4328.8 | 4398.2 | 4278.9 | 3810.7 | 3359.9 |
| 32.5° | 4344.0 | 4357.0 | 4393.8 | 4380.8 | 4513.0 | 4673.4 | 4771.0 | 4870.7 | 4721.1 | 4213.9 | 3635.1 |
| 35°   | 4632.3 | 4549.9 | 4632.3 | 4640.9 | 4777.5 | 5117.8 | 5241.4 | 5479.8 | 5443.0 | 4784.0 | 3971.1 |
| 37.5° | 4801.3 | 4794.8 | 4805.7 | 4888.0 | 5020.3 | 5440.8 | 5616.4 | 5800.6 | 5731.3 | 5126.5 | 4389.5 |
| 40°   | 5081.0 | 5098.3 | 5096.1 | 5159.0 | 5304.2 | 5683.6 | 5755.1 | 5904.7 | 5911.2 | 5601.2 | 5005.1 |
| 42.5° | 5529.7 | 5460.3 | 5414.8 | 5479.8 | 5683.6 | 5893.8 | 6036.9 | 6006.5 | 6221.1 | 6177.8 | 5796.3 |
| 45°   | 5932.8 | 5974.0 | 5906.8 | 6015.2 | 6088.9 | 6201.6 | 6197.3 | 6262.3 | 6535.5 | 6741.4 | 6392.4 |
| 47.5° | 6310.0 | 6336.0 | 6368.5 | 6442.2 | 6602.6 | 6620.0 | 6583.1 | 6555.0 | 6932.1 | 7144.6 | 6854.1 |
| 50°   | 6535.5 | 6559.3 | 6711.0 | 6843.3 | 7142.4 | 7181.4 | 7203.1 | 7131.6 | 7387.3 | 7411.2 | 7289.8 |
| 52.5° | 6474.8 | 6500.8 | 6713.2 | 7148.9 | 7625.8 | 7983.4 | 7918.4 | 7797.0 | 7781.8 | 7875.1 | 7693.0 |
| 55°   | 5937.2 | 5913.3 | 6206.0 | 6884.4 | 7777.5 | 8635.9 | 8644.6 | 8516.7 | 8271.7 | 8208.9 | 7632.3 |
| 56°   | 5479.8 | 5386.6 | 5759.4 | 6578.8 | 7582.4 | 8579.5 | 8677.1 | 8540.5 | 8310.8 | 8029.0 | 7257.3 |
| 57.5° | 4489.2 | 4578.1 | 4948.7 | 5627.2 | 6908.3 | 8174.2 | 8230.6 | 8198.0 | 8024.6 | 7552.1 | 6385.9 |
| 60°   | 2475.5 | 2631.5 | 2958.8 | 3789.0 | 4918.4 | 6273.2 | 6318.7 | 6583.1 | 6615.7 | 5783.3 | 4393.8 |
| 62.5° | 1051.3 | 1034.0 | 1374.3 | 1985.6 | 2800.6 | 3786.9 | 3871.4 | 4142.4 | 4192.2 | 3333.8 | 2204.5 |
| 65°   | 427.0  | 450.9  | 622.1  | 999.3  | 1480.5 | 1725.4 | 1844.7 | 1933.5 | 2098.3 | 1376.5 | 812.9  |
| 67.5° | 281.8  | 279.6  | 366.3  | 570.1  | 797.7  | 769.5  | 769.5  | 812.9  | 752.2  | 561.4  | 351.2  |
| 70°   | 201.6  | 208.1  | 262.3  | 394.5  | 496.4  | 368.5  | 353.3  | 338.2  | 383.7  | 370.7  | 284.0  |
| 72.5° | 132.2  | 140.9  | 175.6  | 236.3  | 257.9  | 201.6  | 201.6  | 242.8  | 316.5  | 299.1  | 231.9  |
| 75°   | 86.7   | 88.9   | 108.4  | 136.6  | 127.9  | 104.0  | 114.9  | 162.6  | 229.8  | 221.1  | 164.7  |
| 77.5° | 58.5   | 60.7   | 73.7   | 88.9   | 71.5   | 58.5   | 62.9   | 82.4   | 112.7  | 112.7  | 86.7   |
| 80°   | 21.7   | 23.8   | 30.3   | 28.2   | 32.5   | 41.2   | 45.5   | 56.4   | 67.2   | 67.2   | 58.5   |
| 82.5° | 0.0    | 2.2    | 6.5    | 15.2   | 23.8   | 32.5   | 36.8   | 43.4   | 49.9   | 56.4   | 54.2   |
| 85°   | 0.0    | 2.2    | 6.5    | 10.8   | 17.3   | 19.5   | 21.7   | 15.2   | 13.0   | 13.0   | 10.8   |
| 87.5° | 0.0    | 0.0    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 4.3    | 2.2    | 2.2    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 | 2273.9 |
| 2.5°  | 2273.9 | 2271.7 | 2271.7 | 2265.2 | 2278.2 | 2271.7 | 2276.0 | 2273.9 | 2245.7 | 2267.4 | 2252.2 |
| 5°    | 2297.7 | 2312.9 | 2289.0 | 2284.7 | 2267.4 | 2273.9 | 2273.9 | 2252.2 | 2271.7 | 2269.5 | 2265.2 |
| 7.5°  | 2358.4 | 2332.4 | 2306.4 | 2280.4 | 2276.0 | 2269.5 | 2245.7 | 2237.0 | 2252.2 | 2234.8 | 2260.9 |
| 10°   | 2384.4 | 2388.7 | 2349.7 | 2315.0 | 2282.5 | 2237.0 | 2204.5 | 2185.0 | 2161.1 | 2187.2 | 2202.3 |
| 12.5° | 2503.6 | 2460.3 | 2393.1 | 2338.9 | 2228.3 | 2182.8 | 2150.3 | 2141.6 | 2182.8 | 2191.5 | 2176.3 |
| 15°   | 2544.8 | 2538.3 | 2451.6 | 2330.2 | 2215.3 | 2161.1 | 2167.6 | 2150.3 | 2154.6 | 2133.0 | 2137.3 |
| 17.5° | 2629.4 | 2555.7 | 2453.8 | 2302.0 | 2213.2 | 2200.2 | 2161.1 | 2091.8 | 2052.8 | 2035.4 | 2050.6 |
| 20°   | 2722.6 | 2651.0 | 2503.6 | 2312.9 | 2232.7 | 2198.0 | 2070.1 | 1985.6 | 1905.4 | 1862.0 | 1864.2 |
| 22.5° | 2804.9 | 2716.1 | 2482.0 | 2317.2 | 2250.0 | 2107.0 | 1953.0 | 1786.1 | 1686.4 | 1619.2 | 1621.4 |
| 25°   | 2904.6 | 2778.9 | 2490.6 | 2325.9 | 2204.5 | 1961.7 | 1740.6 | 1578.0 | 1458.8 | 1413.3 | 1428.5 |
| 27.5° | 2961.0 | 2817.9 | 2538.3 | 2345.4 | 2085.3 | 1755.8 | 1517.4 | 1365.6 | 1296.3 | 1274.6 | 1272.4 |
| 30°   | 3130.1 | 2904.6 | 2596.8 | 2306.4 | 1885.9 | 1534.7 | 1313.6 | 1220.4 | 1153.2 | 1133.7 | 1138.0 |
| 32.5° | 3381.5 | 3062.9 | 2672.7 | 2204.5 | 1682.1 | 1337.4 | 1181.4 | 1112.0 | 1049.1 | 1012.3 | 1008.0 |
| 35°   | 3591.8 | 3333.8 | 2752.9 | 2046.3 | 1445.8 | 1185.7 | 1088.2 | 1001.5 | 906.1  | 864.9  | 854.1  |
| 37.5° | 3992.8 | 3639.5 | 2735.6 | 1807.8 | 1220.4 | 1073.0 | 988.4  | 882.2  | 799.9  | 743.5  | 737.0  |
| 40°   | 4526.0 | 3997.1 | 2651.0 | 1517.4 | 1053.5 | 973.3  | 882.2  | 780.4  | 678.5  | 630.8  | 626.4  |
| 42.5° | 5174.2 | 4435.0 | 2497.1 | 1222.6 | 886.6  | 873.6  | 791.2  | 674.1  | 583.1  | 548.4  | 550.6  |
| 45°   | 5700.9 | 4810.0 | 2341.1 | 981.9  | 763.0  | 776.0  | 704.5  | 593.9  | 531.1  | 502.9  | 502.9  |
| 47.5° | 6169.1 | 5063.6 | 2172.0 | 810.7  | 648.1  | 678.5  | 615.6  | 550.6  | 496.4  | 474.7  | 470.4  |
| 50°   | 6620.0 | 5321.6 | 2002.9 | 656.8  | 552.7  | 583.1  | 576.6  | 524.6  | 481.2  | 455.2  | 457.4  |
| 52.5° | 6901.8 | 5362.8 | 1788.3 | 537.6  | 483.4  | 518.1  | 539.7  | 492.1  | 444.4  | 429.2  | 424.9  |
| 55°   | 6557.1 | 4831.7 | 1387.3 | 442.2  | 409.7  | 455.2  | 496.4  | 442.2  | 405.3  | 379.3  | 377.2  |
| 56°   | 6093.3 | 4320.1 | 1159.7 | 407.5  | 388.0  | 437.9  | 481.2  | 422.7  | 381.5  | 366.3  | 355.5  |
| 57.5° | 5159.0 | 3535.4 | 856.2  | 362.0  | 359.8  | 407.5  | 457.4  | 403.2  | 355.5  | 342.5  | 342.5  |
| 60°   | 3216.8 | 1989.9 | 518.1  | 303.5  | 312.1  | 362.0  | 411.9  | 359.8  | 316.5  | 316.5  | 323.0  |
| 62.5° | 1465.3 | 828.0  | 314.3  | 257.9  | 268.8  | 312.1  | 366.3  | 325.1  | 301.3  | 325.1  | 329.5  |
| 65°   | 498.6  | 357.7  | 227.6  | 205.9  | 212.4  | 257.9  | 314.3  | 329.5  | 327.3  | 342.5  | 351.2  |
| 67.5° | 279.6  | 229.8  | 190.8  | 171.2  | 166.9  | 190.8  | 257.9  | 329.5  | 316.5  | 310.0  | 314.3  |
| 70°   | 236.3  | 195.1  | 169.1  | 151.7  | 145.2  | 153.9  | 199.4  | 249.3  | 223.3  | 216.8  | 212.4  |
| 72.5° | 190.8  | 162.6  | 147.4  | 136.6  | 117.1  | 99.7   | 91.0   | 95.4   | 106.2  | 112.7  | 123.6  |
| 75°   | 134.4  | 123.6  | 123.6  | 110.5  | 84.5   | 62.9   | 49.9   | 41.2   | 28.2   | 19.5   | 21.7   |
| 77.5° | 75.9   | 75.9   | 78.0   | 67.2   | 54.2   | 41.2   | 30.3   | 21.7   | 10.8   | 4.3    | 2.2    |
| 80°   | 52.0   | 56.4   | 60.7   | 54.2   | 45.5   | 36.8   | 26.0   | 15.2   | 6.5    | 0.0    | 0.0    |
| 82.5° | 52.0   | 58.5   | 62.9   | 54.2   | 45.5   | 34.7   | 26.0   | 15.2   | 6.5    | 2.2    | 0.0    |
| 85°   | 10.8   | 13.0   | 15.2   | 17.3   | 26.0   | 26.0   | 19.5   | 13.0   | 6.5    | 2.2    | 0.0    |
| 87.5° | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 0.0    | 0.0    |
| 90°   | 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)