

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: P942264

Luminaire Tested: **GLAN-SB6A-940-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942264  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-940-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

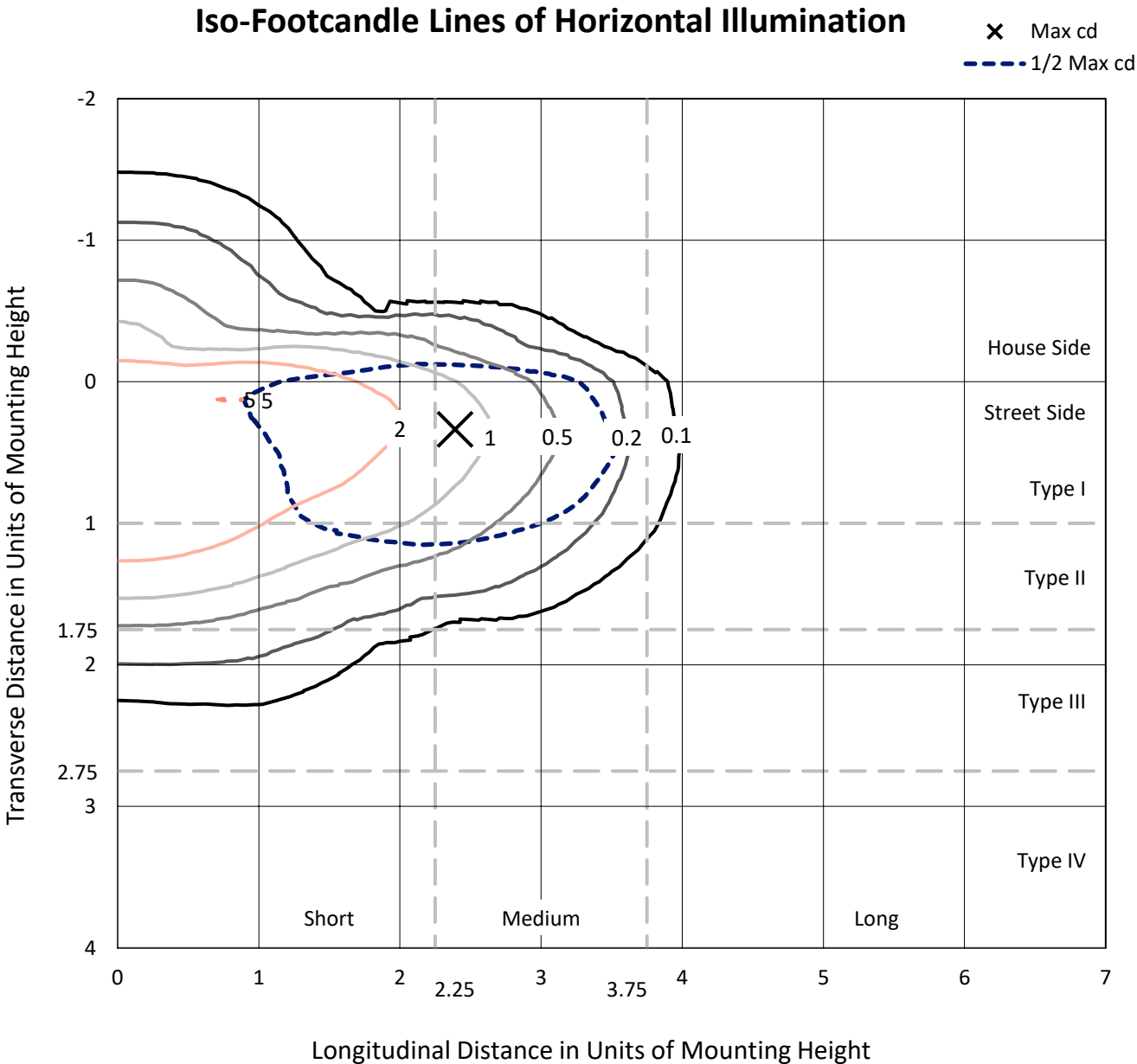
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14394 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 170.9  
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



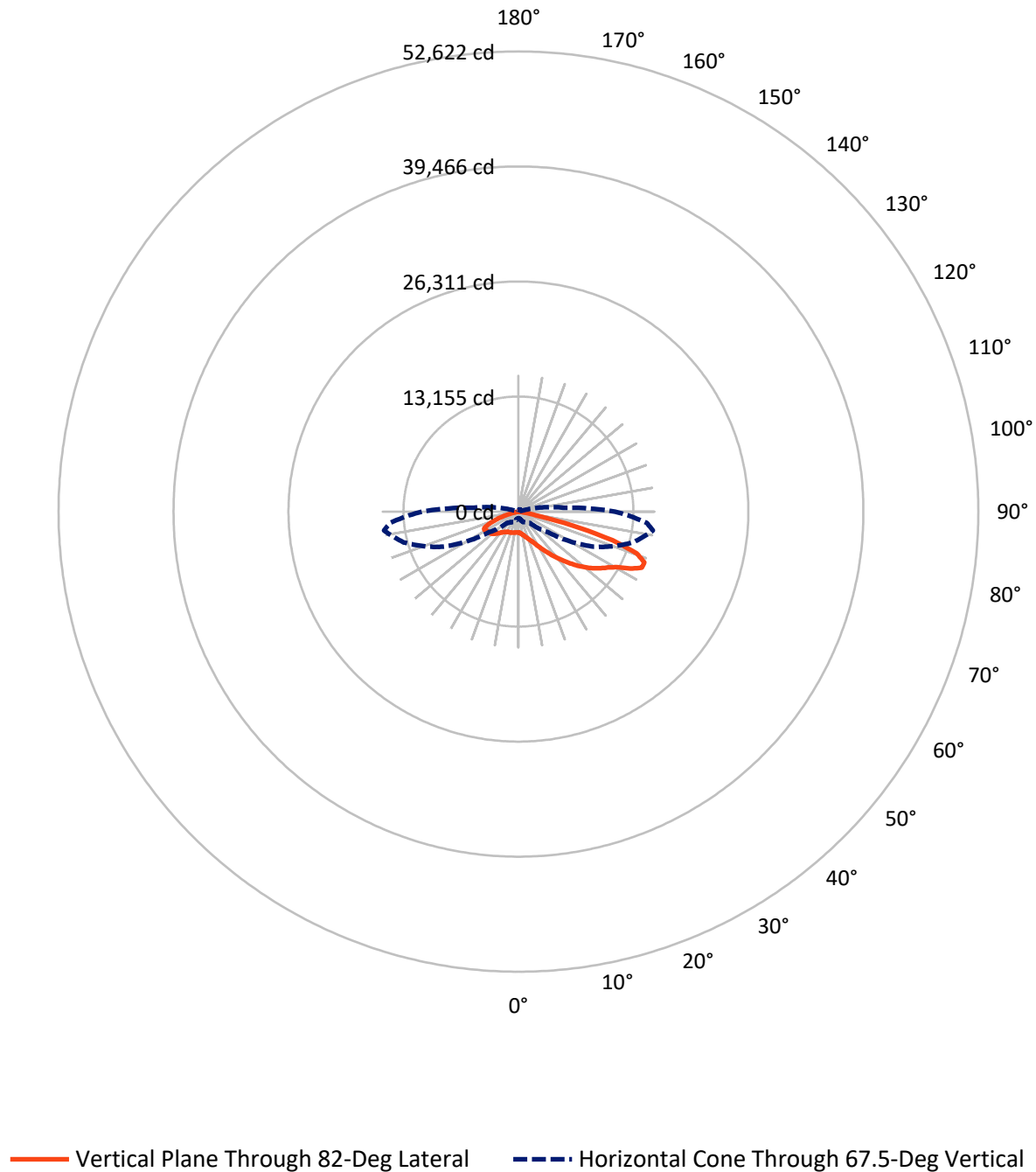
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CATALOG NUMBER: GLAN-SB6A-940-U-T2-HSS



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



REPORT NUMBER: P942264

CATALOG NUMBER: GLAN-SB6A-940-U-T2-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2607.4   | 0.0    | 2607.4  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 11786.7  | 0.0    | 11786.7 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 14394.0  | 0.0    | 14394.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 212.5   | 1.5       |
| 10°-20°   | 552.1   | 3.8       |
| 20°-30°   | 884.2   | 6.1       |
| 30°-40°   | 1563.6  | 10.9      |
| 40°-50°   | 2739.6  | 19.0      |
| 50°-60°   | 3653.9  | 25.4      |
| 60°-70°   | 3401.6  | 23.6      |
| 70°-80°   | 1305.5  | 9.1       |
| 80°-90°   | 81.1    | 0.6       |
| 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°    | 14394.0 | 100.0     |
| 0°-180°   | 14394.0 | 100.0     |

**Coefficient of Utilization**



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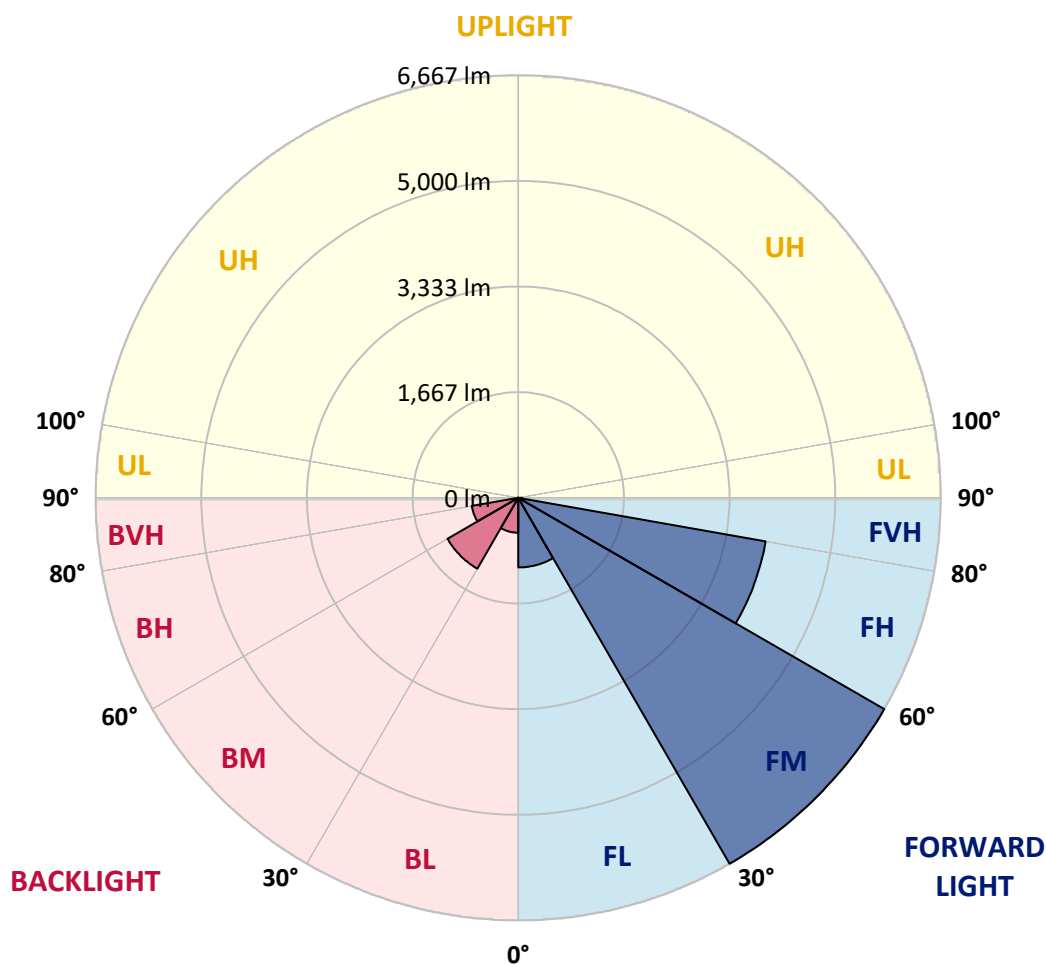
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1098.1 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 6666.7 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 3962.9 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 59.0   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 550.7  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1290.4 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 744.2  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 22.1   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6  | 2384.6  | 2384.6  |
| 2.5°  | 2520.4 | 2534.9 | 2526.6 | 2522.4 | 2515.2 | 2504.8 | 2496.5 | 2470.6  | 2443.7  | 2426.1  |
| 5°    | 2571.1 | 2585.6 | 2584.6 | 2588.8 | 2593.9 | 2597.0 | 2595.0 | 2566.0  | 2527.6  | 2497.6  |
| 7.5°  | 2527.6 | 2544.2 | 2557.7 | 2578.4 | 2614.7 | 2653.0 | 2671.7 | 2665.4  | 2626.1  | 2584.6  |
| 10°   | 2404.3 | 2421.9 | 2454.0 | 2502.7 | 2579.4 | 2662.3 | 2731.8 | 2763.9  | 2739.0  | 2693.4  |
| 12.5° | 2178.4 | 2196.0 | 2259.2 | 2364.9 | 2493.4 | 2637.5 | 2770.1 | 2856.1  | 2862.3  | 2816.7  |
| 15°   | 1924.5 | 1942.1 | 2009.4 | 2142.1 | 2338.0 | 2569.1 | 2790.8 | 2953.5  | 3008.5  | 2969.1  |
| 17.5° | 1766.9 | 1782.5 | 1833.3 | 1940.0 | 2144.2 | 2432.3 | 2783.6 | 3057.2  | 3182.6  | 3151.5  |
| 20°   | 1719.3 | 1732.7 | 1756.6 | 1831.2 | 2001.2 | 2290.3 | 2735.9 | 3154.6  | 3370.1  | 3352.5  |
| 22.5° | 1770.1 | 1782.5 | 1789.7 | 1822.9 | 1929.6 | 2197.0 | 2675.8 | 3254.1  | 3587.8  | 3589.9  |
| 25°   | 1887.2 | 1899.6 | 1891.3 | 1912.0 | 1958.7 | 2168.0 | 2653.0 | 3371.2  | 3861.4  | 3884.2  |
| 27.5° | 2079.9 | 2081.0 | 2061.3 | 2060.2 | 2067.5 | 2211.5 | 2676.8 | 3496.6  | 4206.5  | 4249.0  |
| 30°   | 2466.5 | 2450.9 | 2375.3 | 2293.4 | 2256.1 | 2342.1 | 2743.2 | 3644.8  | 4613.7  | 4689.4  |
| 32.5° | 3062.4 | 3039.6 | 2900.7 | 2704.8 | 2507.9 | 2552.5 | 2862.3 | 3813.7  | 5057.3  | 5194.1  |
| 35°   | 3709.0 | 3702.8 | 3557.7 | 3266.5 | 2922.5 | 2852.0 | 3056.1 | 4035.5  | 5541.3  | 5758.9  |
| 37.5° | 4310.1 | 4307.0 | 4224.1 | 3881.1 | 3462.4 | 3269.6 | 3367.0 | 4325.6  | 6059.4  | 6374.5  |
| 40°   | 4859.4 | 4868.7 | 4785.8 | 4479.0 | 4057.2 | 3805.4 | 3789.9 | 4684.2  | 6635.6  | 7045.0  |
| 42.5° | 5334.0 | 5344.4 | 5260.4 | 5033.5 | 4644.8 | 4398.2 | 4309.1 | 5123.6  | 7198.4  | 7765.2  |
| 45°   | 5656.3 | 5720.5 | 5708.1 | 5526.8 | 5248.0 | 4992.0 | 4932.9 | 5675.0  | 7839.8  | 8529.0  |
| 47.5° | 5747.5 | 5806.6 | 5899.8 | 5924.7 | 5754.7 | 5502.9 | 5573.4 | 6339.2  | 8488.6  | 9293.8  |
| 50°   | 5522.6 | 5577.5 | 5771.3 | 6029.4 | 6147.5 | 6069.8 | 6196.2 | 7051.2  | 9152.9  | 10056.6 |
| 52.5° | 5079.1 | 5135.0 | 5379.6 | 5787.9 | 6269.8 | 6514.4 | 6821.1 | 7752.8  | 9796.4  | 10778.9 |
| 55°   | 4437.6 | 4496.6 | 4810.7 | 5272.9 | 6036.6 | 6697.8 | 7342.4 | 8453.4  | 10386.1 | 11428.7 |
| 57.5° | 3565.0 | 3608.5 | 3935.0 | 4581.6 | 5450.1 | 6515.4 | 7726.9 | 9218.2  | 10941.6 | 12067.0 |
| 60°   | 2323.5 | 2361.8 | 2741.1 | 3462.4 | 4478.0 | 5906.1 | 7803.6 | 10071.1 | 11679.5 | 12897.1 |
| 62.5° | 1545.2 | 1571.1 | 1796.0 | 2325.5 | 3153.6 | 4736.0 | 7354.8 | 10751.9 | 12761.4 | 14341.8 |
| 65°   | 1060.2 | 1086.1 | 1311.0 | 1679.9 | 2037.4 | 3132.8 | 6064.6 | 10661.8 | 13741.8 | 15489.0 |
| 67.5° | 756.5  | 778.3  | 969.0  | 1317.2 | 1474.7 | 1819.8 | 4111.1 | 9509.4  | 13600.8 | 15532.5 |
| 70°   | 542.0  | 554.4  | 712.0  | 1026.0 | 1172.1 | 1093.3 | 2286.1 | 7273.0  | 11908.5 | 14342.8 |
| 72.5° | 379.3  | 383.4  | 494.3  | 781.4  | 944.1  | 798.0  | 1088.1 | 4849.0  | 9006.8  | 11257.7 |
| 75°   | 257.0  | 262.2  | 332.7  | 573.1  | 757.6  | 609.4  | 576.2  | 2600.2  | 5287.4  | 6231.5  |
| 77.5° | 157.5  | 159.6  | 214.5  | 391.7  | 566.9  | 464.3  | 371.0  | 1101.6  | 2045.7  | 2008.4  |
| 80°   | 89.1   | 89.1   | 136.8  | 243.5  | 386.6  | 299.5  | 260.1  | 468.4   | 647.7   | 568.9   |
| 82.5° | 49.7   | 50.8   | 99.5   | 151.3  | 256.0  | 177.2  | 143.0  | 216.6   | 279.8   | 247.7   |
| 85°   | 20.7   | 22.8   | 61.1   | 71.5   | 122.3  | 88.1   | 58.0   | 91.2    | 103.6   | 92.2    |
| 87.5° | 2.1    | 3.1    | 18.7   | 13.5   | 14.5   | 17.6   | 8.3    | 17.6    | 14.5    | 14.5    |
| 90°   | 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2384.6  | 0°    | 2384.6  | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 | 2384.6 |
| 2419.8  | 2.5°  | 2400.1  | 2384.6 | 2345.2 | 2299.6 | 2239.5 | 2210.5 | 2171.1 | 2144.2 | 2121.4 | 2123.4 |
| 2479.9  | 5°    | 2446.8  | 2407.4 | 2319.3 | 2209.5 | 2072.7 | 1975.2 | 1871.6 | 1800.1 | 1742.1 | 1729.6 |
| 2562.8  | 7.5°  | 2511.0  | 2448.9 | 2294.4 | 2096.5 | 1865.4 | 1690.3 | 1533.8 | 1433.2 | 1361.7 | 1338.9 |
| 2663.4  | 10°   | 2593.9  | 2503.8 | 2262.3 | 1954.5 | 1621.9 | 1399.0 | 1231.2 | 1152.4 | 1103.7 | 1087.1 |
| 2781.5  | 12.5° | 2690.3  | 2567.0 | 2219.8 | 1781.5 | 1371.1 | 1156.5 | 1049.8 | 1010.4 | 994.9  | 989.7  |
| 2926.6  | 15°   | 2811.6  | 2645.8 | 2155.6 | 1576.3 | 1158.6 | 1008.4 | 962.8  | 957.6  | 959.6  | 957.6  |
| 3100.7  | 17.5° | 2955.6  | 2731.8 | 2050.9 | 1364.8 | 1015.6 | 932.7  | 916.1  | 920.3  | 925.4  | 924.4  |
| 3295.5  | 20°   | 3113.1  | 2816.7 | 1917.2 | 1177.3 | 918.2  | 878.8  | 869.5  | 873.6  | 877.8  | 875.7  |
| 3520.4  | 22.5° | 3292.4  | 2907.9 | 1769.0 | 1031.1 | 852.9  | 829.1  | 818.7  | 819.7  | 819.7  | 815.6  |
| 3805.4  | 25°   | 3506.9  | 3008.5 | 1613.6 | 927.5  | 803.2  | 784.5  | 772.1  | 767.9  | 761.7  | 749.3  |
| 4151.5  | 27.5° | 3762.9  | 3115.2 | 1464.3 | 855.0  | 763.8  | 746.2  | 731.7  | 721.3  | 705.7  | 685.0  |
| 4567.1  | 30°   | 4051.0  | 3244.8 | 1337.9 | 809.4  | 732.7  | 715.1  | 698.5  | 682.9  | 660.1  | 634.2  |
| 5044.9  | 32.5° | 4389.9  | 3383.6 | 1245.7 | 779.3  | 704.7  | 686.1  | 666.4  | 647.7  | 622.8  | 596.9  |
| 5581.7  | 35°   | 4794.1  | 3551.5 | 1191.8 | 758.6  | 682.9  | 658.1  | 636.3  | 615.6  | 596.9  | 574.1  |
| 6165.1  | 37.5° | 5232.4  | 3729.8 | 1175.2 | 748.2  | 668.4  | 630.1  | 605.2  | 590.7  | 588.6  | 575.2  |
| 6796.3  | 40°   | 5712.3  | 3941.2 | 1187.6 | 742.0  | 652.9  | 603.1  | 576.2  | 573.1  | 578.3  | 554.4  |
| 7470.9  | 42.5° | 6220.1  | 4192.0 | 1208.4 | 734.8  | 631.1  | 576.2  | 550.3  | 550.3  | 546.1  | 513.0  |
| 8183.9  | 45°   | 6769.3  | 4481.1 | 1229.1 | 717.1  | 605.2  | 549.3  | 529.6  | 522.3  | 504.7  | 472.6  |
| 8901.1  | 47.5° | 7322.7  | 4775.4 | 1244.6 | 685.0  | 574.1  | 526.5  | 508.8  | 492.3  | 466.3  | 437.3  |
| 9604.7  | 50°   | 7848.1  | 5039.7 | 1228.1 | 637.3  | 538.9  | 504.7  | 486.0  | 463.2  | 435.3  | 415.6  |
| 10271.1 | 52.5° | 8317.6  | 5268.7 | 1157.6 | 581.4  | 501.6  | 481.9  | 465.3  | 441.5  | 418.7  | 398.0  |
| 10872.2 | 55°   | 8725.9  | 5454.2 | 1033.2 | 528.5  | 468.4  | 462.2  | 445.6  | 415.6  | 384.5  | 366.9  |
| 11468.0 | 57.5° | 9117.6  | 5595.2 | 877.8  | 485.0  | 438.4  | 440.4  | 415.6  | 388.6  | 359.6  | 341.0  |
| 12271.2 | 60°   | 9638.9  | 5783.8 | 720.3  | 444.6  | 406.2  | 412.5  | 385.5  | 365.8  | 329.6  | 305.7  |
| 13648.5 | 62.5° | 10472.1 | 6077.0 | 572.1  | 394.8  | 368.9  | 371.0  | 359.6  | 335.8  | 292.2  | 264.3  |
| 14669.3 | 65°   | 11133.3 | 5969.3 | 450.8  | 341.0  | 326.4  | 329.6  | 329.6  | 303.6  | 257.0  | 224.9  |
| 14724.2 | 67.5° | 11058.7 | 5111.2 | 359.6  | 288.1  | 286.0  | 288.1  | 295.4  | 273.6  | 228.0  | 202.1  |
| 13602.9 | 70°   | 10187.1 | 4065.5 | 288.1  | 239.4  | 248.7  | 243.5  | 264.3  | 249.8  | 205.2  | 179.3  |
| 10545.7 | 72.5° | 8312.4  | 2928.7 | 219.7  | 197.9  | 190.7  | 199.0  | 238.4  | 224.9  | 171.0  | 142.0  |
| 5585.8  | 75°   | 4857.3  | 1562.8 | 163.7  | 156.5  | 137.8  | 165.8  | 211.4  | 191.7  | 130.6  | 104.7  |
| 1712.0  | 77.5° | 1581.4  | 545.1  | 120.2  | 115.0  | 102.6  | 133.7  | 180.3  | 161.7  | 106.7  | 82.9   |
| 501.6   | 80°   | 423.9   | 164.8  | 81.9   | 75.7   | 66.3   | 99.5   | 143.0  | 128.5  | 76.7   | 53.9   |
| 215.6   | 82.5° | 170.0   | 69.4   | 47.7   | 42.5   | 36.3   | 68.4   | 113.0  | 103.6  | 57.0   | 34.2   |
| 67.4    | 85°   | 54.9    | 22.8   | 17.6   | 13.5   | 16.6   | 42.5   | 67.4   | 70.5   | 40.4   | 17.6   |
| 10.4    | 87.5° | 7.3     | 3.1    | 3.1    | 4.1    | 3.1    | 7.3    | 20.7   | 19.7   | 11.4   | 2.1    |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 2384.6 |
| 2102.7 |
| 1701.7 |
| 1316.1 |
| 1074.7 |
| 986.6  |
| 956.5  |
| 922.3  |
| 874.7  |
| 813.5  |
| 747.2  |
| 682.9  |
| 632.2  |
| 598.0  |
| 572.1  |
| 574.1  |
| 555.5  |
| 513.0  |
| 471.5  |
| 436.3  |
| 412.5  |
| 395.9  |
| 364.8  |
| 338.9  |
| 302.6  |
| 262.2  |
| 221.8  |
| 197.9  |
| 176.2  |
| 138.9  |
| 101.6  |
| 79.8   |
| 52.9   |
| 34.2   |
| 13.5   |
| 0.0    |
| 0.0    |