

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: P944146

Luminaire Tested: **GLAN-SB8D-950-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944146  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44893 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 584.9  
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

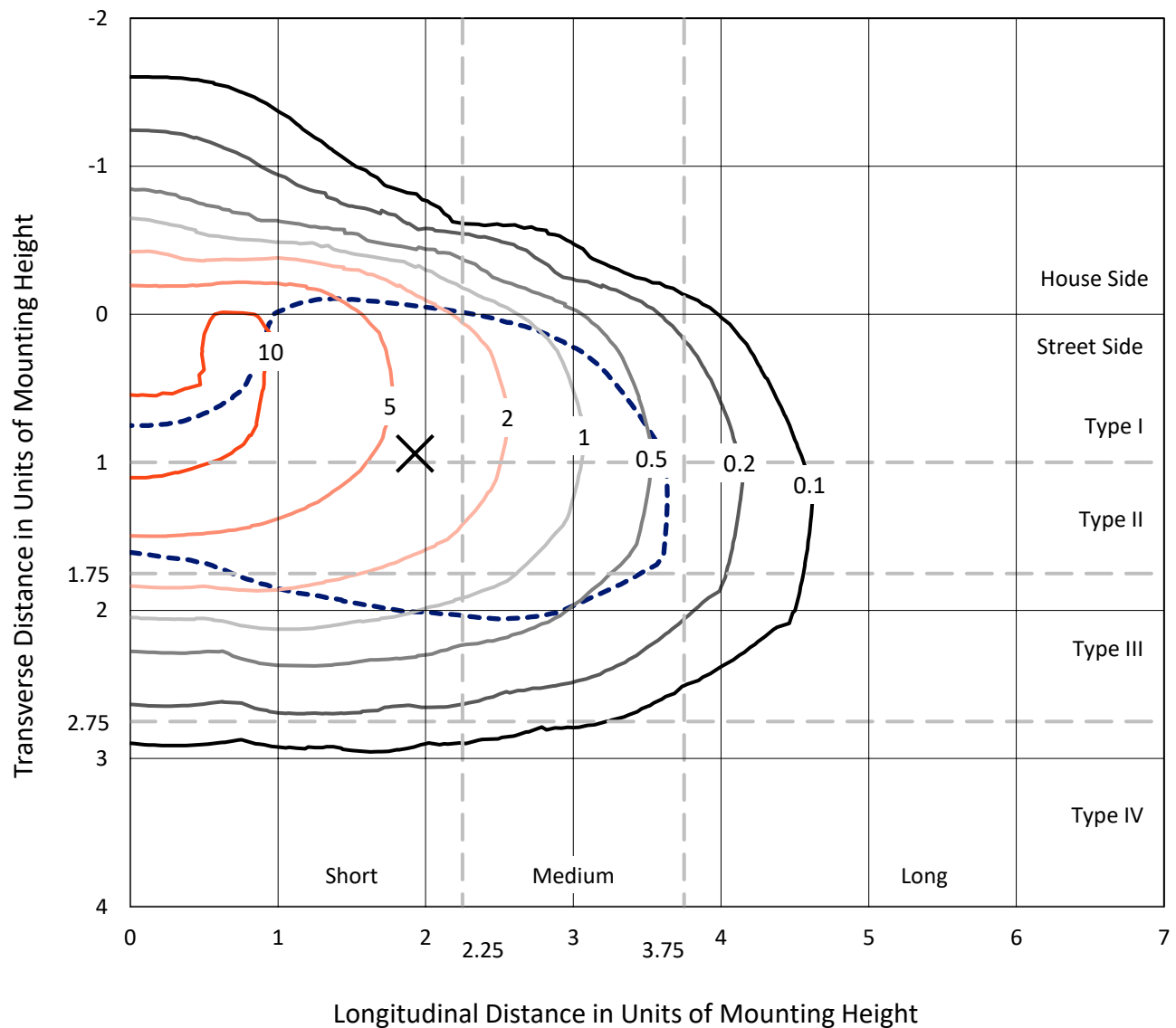


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## Iso-Footcandle Lines of Horizontal Illumination

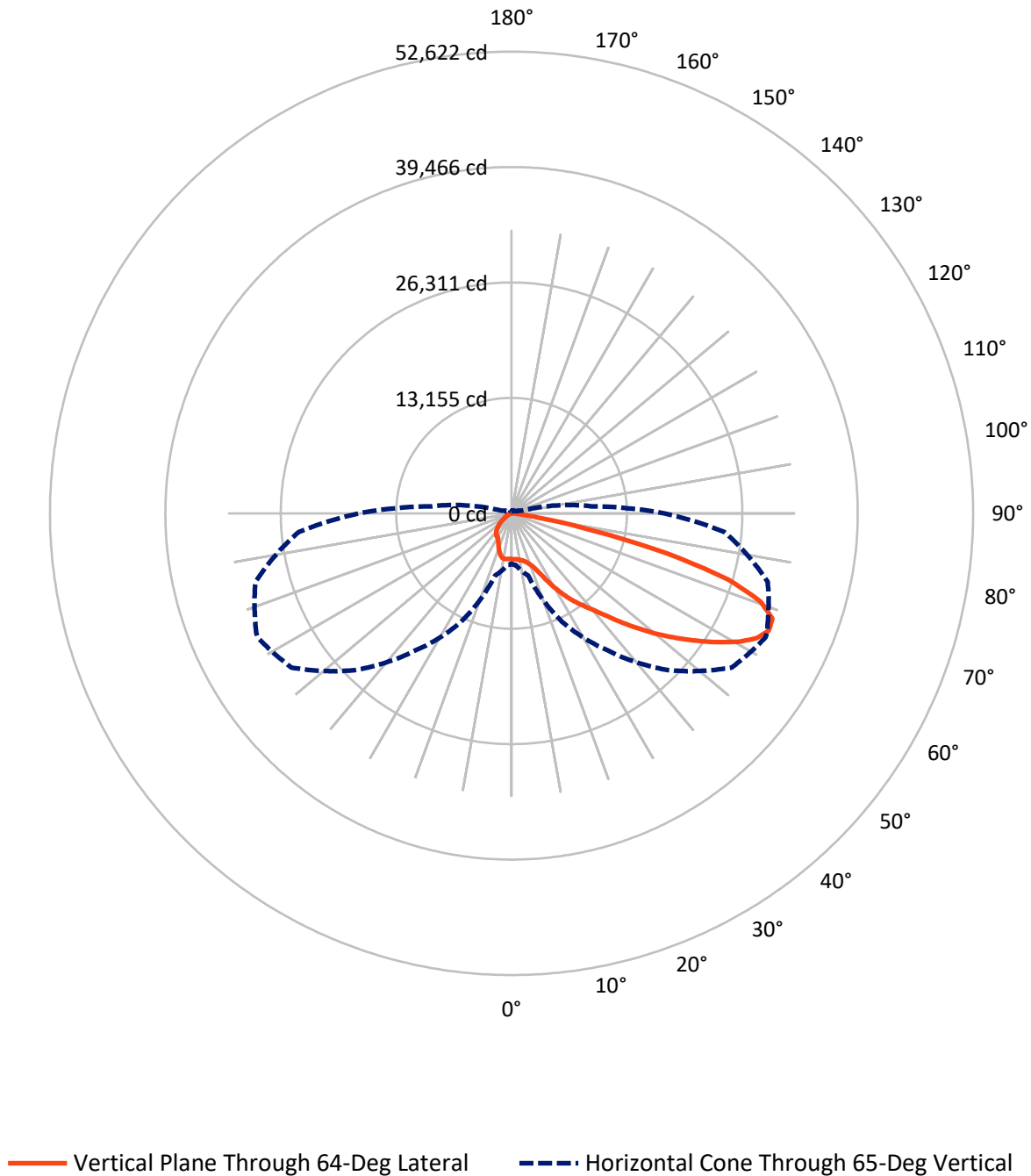
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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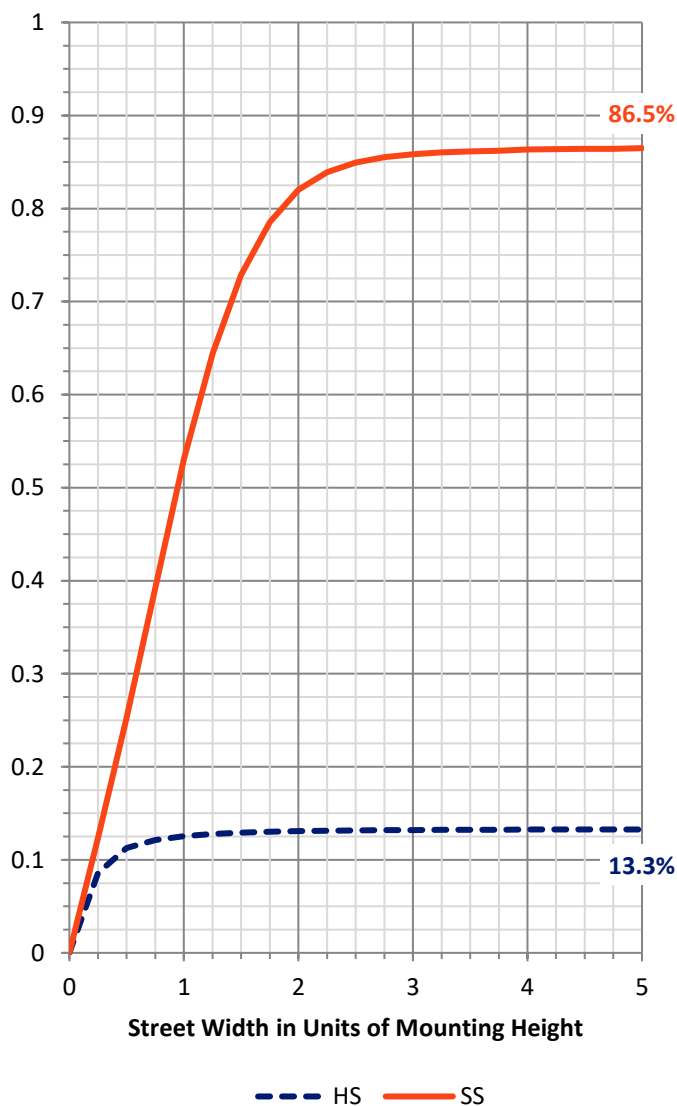
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6003.6   | 0.0    | 6003.6  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 38889.4  | 0.0    | 38889.4 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 44893.0  | 0.0    | 44893.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 481.7   | 1.1       |
| 10°-20°   | 1306.6  | 2.9       |
| 20°-30°   | 2475.9  | 5.5       |
| 30°-40°   | 5010.1  | 11.2      |
| 40°-50°   | 8534.7  | 19.0      |
| 50°-60°   | 11606.6 | 25.9      |
| 60°-70°   | 10899.2 | 24.3      |
| 70°-80°   | 4366.7  | 9.7       |
| 80°-90°   | 211.5   | 0.5       |
| 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°    | 44893.0 | 100.0     |
| 0°-180°   | 44893.0 | 100.0     |

**Coefficient of Utilization**



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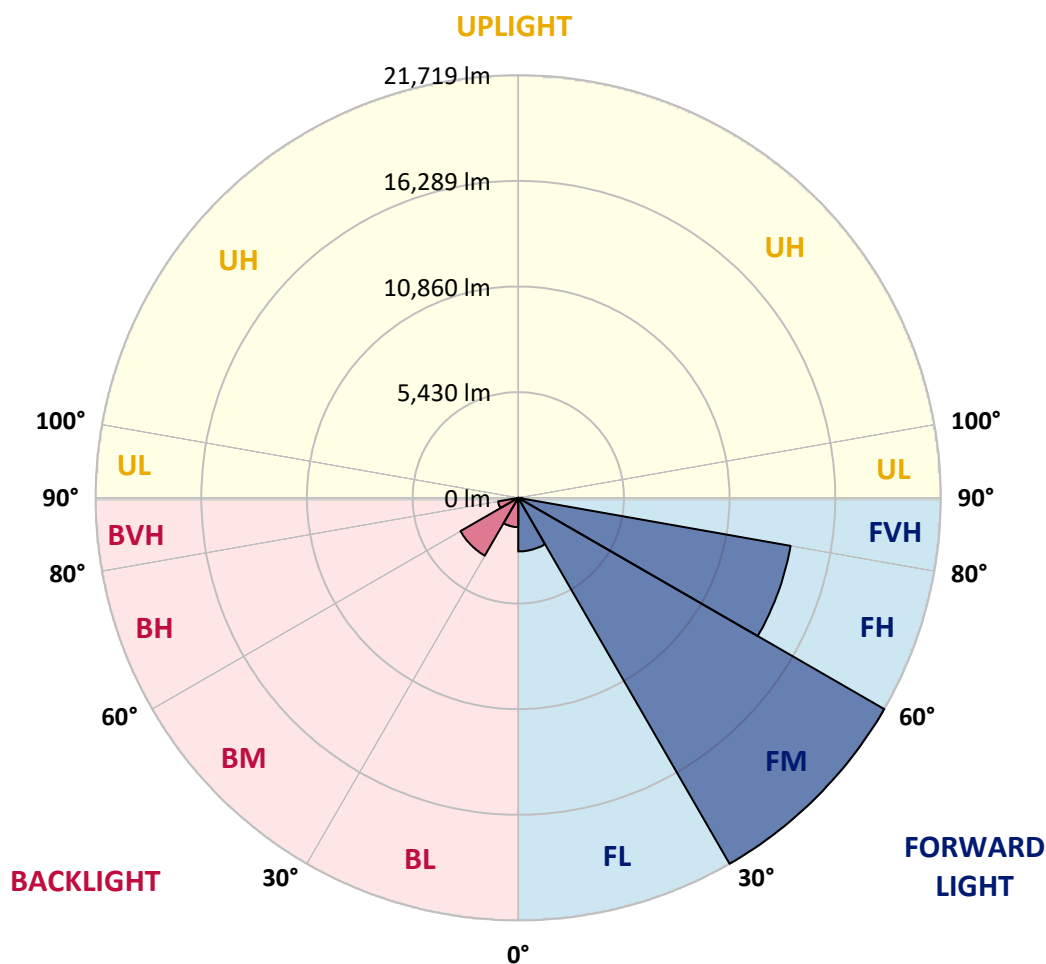
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2756.9  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 21719.2 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 14212.1 | 31.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 201.2   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1507.3  | 3.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3432.2  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1053.7  | 2.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 10.3    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5221.5  | 5221.5  | 5221.5  | 5221.5  | 5221.5  | 5221.5  | 5221.5  | 5221.5  | 5221.5  | 5221.5  |
| 2.5°  | 5203.5  | 5239.6  | 5230.6  | 5221.5  | 5218.5  | 5224.5  | 5227.5  | 5224.5  | 5224.5  | 5224.5  |
| 5°    | 5104.2  | 5134.2  | 5134.2  | 5155.3  | 5185.4  | 5221.5  | 5248.6  | 5254.6  | 5260.6  | 5269.7  |
| 7.5°  | 4914.6  | 4938.6  | 4956.7  | 5025.9  | 5101.1  | 5197.4  | 5278.7  | 5320.8  | 5326.9  | 5360.0  |
| 10°   | 4785.1  | 4815.2  | 4845.3  | 4917.6  | 5025.9  | 5170.4  | 5308.8  | 5411.1  | 5426.2  | 5504.4  |
| 12.5° | 4779.1  | 4809.2  | 4848.3  | 4926.6  | 5053.0  | 5206.5  | 5375.0  | 5522.5  | 5549.6  | 5663.9  |
| 15°   | 4842.3  | 4878.4  | 4914.6  | 5010.9  | 5146.3  | 5332.9  | 5513.4  | 5697.0  | 5724.1  | 5886.6  |
| 17.5° | 4971.7  | 5019.9  | 5047.0  | 5143.3  | 5287.7  | 5495.4  | 5733.1  | 5943.8  | 5967.9  | 6157.5  |
| 20°   | 5227.5  | 5284.7  | 5293.8  | 5372.0  | 5513.4  | 5736.2  | 6019.0  | 6280.9  | 6311.0  | 6527.7  |
| 22.5° | 5757.2  | 5838.5  | 5766.2  | 5805.4  | 5931.8  | 6154.5  | 6461.4  | 6792.5  | 6834.6  | 7081.4  |
| 25°   | 6690.2  | 6804.5  | 6617.9  | 6551.7  | 6605.9  | 6837.6  | 7222.9  | 7641.2  | 7689.3  | 7888.0  |
| 27.5° | 8523.0  | 8375.5  | 8092.6  | 7815.7  | 7653.2  | 7785.6  | 8219.0  | 8736.6  | 8796.8  | 8989.4  |
| 30°   | 10536.3 | 10406.9 | 10024.7 | 9410.8  | 9025.6  | 9004.5  | 9404.8  | 9982.6  | 10051.8 | 10235.4 |
| 32.5° | 12552.7 | 12429.3 | 12014.0 | 11258.6 | 10590.5 | 10259.5 | 10536.3 | 11177.4 | 11213.5 | 11330.9 |
| 35°   | 14536.0 | 14409.6 | 13994.3 | 13220.8 | 12399.2 | 11646.9 | 11592.7 | 12315.0 | 12327.0 | 12450.4 |
| 37.5° | 16531.3 | 16426.0 | 15983.6 | 15225.2 | 14415.6 | 13377.3 | 12874.7 | 13392.4 | 13407.4 | 13527.8 |
| 40°   | 17954.8 | 18000.0 | 17696.0 | 17109.1 | 16413.9 | 15279.3 | 14313.3 | 14539.0 | 14448.7 | 14650.4 |
| 42.5° | 19176.7 | 19267.0 | 19002.1 | 18707.2 | 18303.9 | 17304.8 | 16094.9 | 16055.8 | 15911.3 | 16019.7 |
| 45°   | 20233.0 | 20308.3 | 20070.5 | 20001.3 | 19992.3 | 19291.0 | 18042.1 | 17807.3 | 17605.7 | 17584.6 |
| 47.5° | 20621.3 | 20765.7 | 20868.0 | 21099.8 | 21551.2 | 21256.3 | 20055.5 | 19691.3 | 19465.6 | 19300.1 |
| 50°   | 20768.7 | 20922.2 | 21271.3 | 21945.4 | 23013.8 | 23140.2 | 22059.8 | 21650.5 | 21373.6 | 21072.7 |
| 52.5° | 20570.1 | 20844.0 | 21313.4 | 22448.0 | 23997.9 | 24651.0 | 23982.9 | 23624.8 | 23308.8 | 22818.2 |
| 55°   | 19399.4 | 19673.3 | 20633.3 | 22442.0 | 24488.5 | 25710.4 | 25800.6 | 25641.1 | 25286.0 | 24512.6 |
| 57.5° | 16931.6 | 17337.9 | 18857.7 | 21677.6 | 24479.5 | 26622.2 | 27582.3 | 27696.6 | 27299.4 | 26191.9 |
| 60°   | 13512.8 | 14063.5 | 15917.4 | 19983.2 | 23724.1 | 27115.8 | 29144.2 | 29716.0 | 29294.7 | 27847.1 |
| 62.5° | 9428.8  | 10066.9 | 11821.4 | 17328.8 | 21996.6 | 26760.7 | 30284.8 | 31341.2 | 31022.2 | 29327.8 |
| 65°   | 5751.2  | 5955.8  | 7370.3  | 13636.1 | 19059.3 | 25274.0 | 30636.9 | 32220.0 | 32114.6 | 30233.7 |
| 67.5° | 3831.1  | 4002.7  | 4409.0  | 9350.6  | 14794.8 | 22303.6 | 29794.3 | 32066.5 | 32096.6 | 30086.2 |
| 70°   | 2308.3  | 2455.8  | 2720.6  | 5438.2  | 9588.3  | 17653.9 | 27185.0 | 30110.3 | 30284.8 | 28115.0 |
| 72.5° | 951.0   | 1050.3  | 1291.1  | 2464.8  | 4965.7  | 11204.5 | 21647.5 | 25851.8 | 26258.1 | 23639.8 |
| 75°   | 538.7   | 589.9   | 758.4   | 1236.9  | 2154.8  | 5221.5  | 13112.5 | 18352.1 | 18951.0 | 16293.6 |
| 77.5° | 358.1   | 382.2   | 490.6   | 800.5   | 1212.8  | 1781.6  | 5603.7  | 9561.3  | 10704.9 | 8899.2  |
| 80°   | 240.8   | 261.8   | 337.1   | 535.7   | 788.5   | 764.4   | 1784.6  | 3542.2  | 4357.8  | 3057.7  |
| 82.5° | 162.5   | 165.5   | 240.8   | 352.1   | 499.6   | 370.2   | 526.7   | 1101.5  | 1384.4  | 884.8   |
| 85°   | 93.3    | 90.3    | 177.6   | 204.6   | 222.7   | 153.5   | 159.5   | 331.0   | 433.4   | 373.2   |
| 87.5° | 12.0    | 18.1    | 69.2    | 54.2    | 30.1    | 33.1    | 33.1    | 57.2    | 84.3    | 90.3    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5221.5  | 0°    | 5221.5  | 5221.5  | 5221.5 | 5221.5 | 5221.5 | 5221.5 | 5221.5 | 5221.5 | 5221.5 | 5221.5 |
| 5227.5  | 2.5°  | 5227.5  | 5224.5  | 5215.5 | 5206.5 | 5185.4 | 5173.4 | 5179.4 | 5173.4 | 5170.4 | 5173.4 |
| 5266.7  | 5°    | 5266.7  | 5257.6  | 5233.6 | 5203.5 | 5161.3 | 5110.2 | 5077.1 | 5028.9 | 4983.8 | 4956.7 |
| 5372.0  | 7.5°  | 5372.0  | 5363.0  | 5329.9 | 5245.6 | 5110.2 | 4896.5 | 4700.9 | 4529.3 | 4399.9 | 4324.7 |
| 5540.5  | 10°   | 5540.5  | 5525.5  | 5474.3 | 5287.7 | 4932.6 | 4466.1 | 4077.9 | 3755.9 | 3545.2 | 3445.9 |
| 5739.2  | 12.5° | 5739.2  | 5721.1  | 5630.8 | 5248.6 | 4595.5 | 3867.2 | 3331.5 | 2973.4 | 2777.8 | 2690.5 |
| 5967.9  | 15°   | 5973.9  | 5949.8  | 5772.3 | 5062.0 | 4105.0 | 3205.1 | 2714.6 | 2446.7 | 2320.3 | 2242.1 |
| 6259.8  | 17.5° | 6265.8  | 6223.7  | 5877.6 | 4782.1 | 3572.3 | 2699.5 | 2335.4 | 2133.8 | 2022.4 | 1947.2 |
| 6642.0  | 20°   | 6645.0  | 6575.8  | 5961.9 | 4448.1 | 3081.8 | 2380.5 | 2079.6 | 1911.0 | 1826.8 | 1760.6 |
| 7183.7  | 22.5° | 7174.7  | 7075.4  | 6064.2 | 4086.9 | 2735.7 | 2160.8 | 1890.0 | 1766.6 | 1697.4 | 1622.1 |
| 7939.1  | 25°   | 7830.8  | 7713.4  | 6190.6 | 3752.9 | 2497.9 | 1971.2 | 1751.5 | 1649.2 | 1568.0 | 1480.7 |
| 8929.3  | 27.5° | 8748.7  | 8538.0  | 6341.1 | 3479.0 | 2293.3 | 1808.7 | 1625.1 | 1510.8 | 1417.5 | 1345.3 |
| 10051.8 | 30°   | 9771.9  | 9425.8  | 6473.5 | 3313.5 | 2106.7 | 1658.2 | 1459.6 | 1345.3 | 1258.0 | 1206.8 |
| 11060.0 | 32.5° | 10741.0 | 10271.5 | 6560.8 | 3241.3 | 1938.1 | 1486.7 | 1279.0 | 1155.7 | 1089.4 | 1074.4 |
| 12047.1 | 35°   | 11655.9 | 11035.9 | 6551.7 | 3172.0 | 1787.7 | 1315.2 | 1101.5 | 975.1  | 923.9  | 933.0  |
| 13109.5 | 37.5° | 12709.2 | 11851.5 | 6488.5 | 3063.7 | 1664.3 | 1158.7 | 948.0  | 836.6  | 791.5  | 794.5  |
| 14400.6 | 40°   | 13934.1 | 12793.5 | 6449.4 | 2859.0 | 1528.8 | 1014.2 | 821.6  | 731.3  | 698.2  | 686.2  |
| 15760.9 | 42.5° | 15240.2 | 13705.4 | 6455.4 | 2627.3 | 1360.3 | 884.8  | 734.3  | 659.1  | 629.0  | 620.0  |
| 17274.7 | 45°   | 16552.4 | 14575.1 | 6464.5 | 2386.6 | 1182.7 | 785.5  | 671.1  | 607.9  | 589.9  | 577.8  |
| 18809.5 | 47.5° | 17786.3 | 15315.5 | 6295.9 | 2127.7 | 1008.2 | 710.2  | 620.0  | 577.8  | 562.8  | 547.7  |
| 20350.4 | 50°   | 18935.9 | 15809.0 | 5889.6 | 1826.8 | 869.8  | 650.1  | 580.8  | 550.7  | 535.7  | 520.6  |
| 21746.8 | 52.5° | 19829.7 | 15887.3 | 5218.5 | 1516.8 | 773.4  | 604.9  | 556.8  | 529.7  | 511.6  | 496.6  |
| 22875.4 | 55°   | 20227.0 | 15396.7 | 4264.5 | 1227.9 | 698.2  | 565.8  | 532.7  | 505.6  | 484.5  | 469.5  |
| 23763.2 | 57.5° | 20124.7 | 14364.5 | 3325.5 | 987.1  | 626.0  | 526.7  | 502.6  | 484.5  | 460.5  | 436.4  |
| 24482.5 | 60°   | 19622.1 | 12983.1 | 2506.9 | 821.6  | 559.8  | 484.5  | 469.5  | 454.4  | 421.3  | 385.2  |
| 24759.3 | 62.5° | 18752.3 | 11246.6 | 1787.7 | 680.2  | 487.5  | 436.4  | 430.4  | 418.3  | 370.2  | 304.0  |
| 24350.0 | 65°   | 17422.1 | 9136.9  | 1203.8 | 565.8  | 418.3  | 382.2  | 385.2  | 364.2  | 301.0  | 225.7  |
| 22851.3 | 67.5° | 15478.0 | 6681.1  | 770.4  | 463.5  | 349.1  | 319.0  | 322.0  | 310.0  | 255.8  | 192.6  |
| 20010.3 | 70°   | 13001.1 | 4424.0  | 502.6  | 352.1  | 279.9  | 246.8  | 264.8  | 267.8  | 216.7  | 156.5  |
| 15357.6 | 72.5° | 9531.2  | 2612.3  | 352.1  | 261.8  | 204.6  | 171.5  | 216.7  | 222.7  | 174.6  | 117.4  |
| 9239.2  | 75°   | 5432.2  | 1239.9  | 264.8  | 189.6  | 126.4  | 120.4  | 168.5  | 168.5  | 120.4  | 78.2   |
| 3999.7  | 77.5° | 2281.2  | 517.6   | 186.6  | 123.4  | 72.2   | 69.2   | 114.4  | 105.3  | 60.2   | 36.1   |
| 975.1   | 80°   | 659.1   | 231.7   | 99.3   | 60.2   | 30.1   | 27.1   | 45.1   | 33.1   | 15.0   | 6.0    |
| 370.2   | 82.5° | 258.8   | 102.3   | 39.1   | 24.1   | 12.0   | 12.0   | 6.0    | 0.0    | 0.0    | 0.0    |
| 210.7   | 85°   | 153.5   | 42.1    | 18.1   | 9.0    | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 45.1    | 87.5° | 39.1    | 9.0     | 6.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    |

(END O



| 180°   |
|--------|
| 5221.5 |
| 5185.4 |
| 4962.7 |
| 4327.7 |
| 3436.9 |
| 2681.5 |
| 2245.1 |
| 1941.1 |
| 1748.5 |
| 1610.1 |
| 1471.7 |
| 1330.2 |
| 1197.8 |
| 1083.4 |
| 933.0  |
| 806.6  |
| 683.2  |
| 617.0  |
| 577.8  |
| 547.7  |
| 520.6  |
| 493.6  |
| 466.5  |
| 433.4  |
| 379.2  |
| 297.9  |
| 219.7  |
| 183.6  |
| 150.5  |
| 111.4  |
| 72.2   |
| 36.1   |
| 6.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |