

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: P943732

Luminaire Tested: **GLAN-SB8B-835-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41865 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

Input Watts (W): 292.8  
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

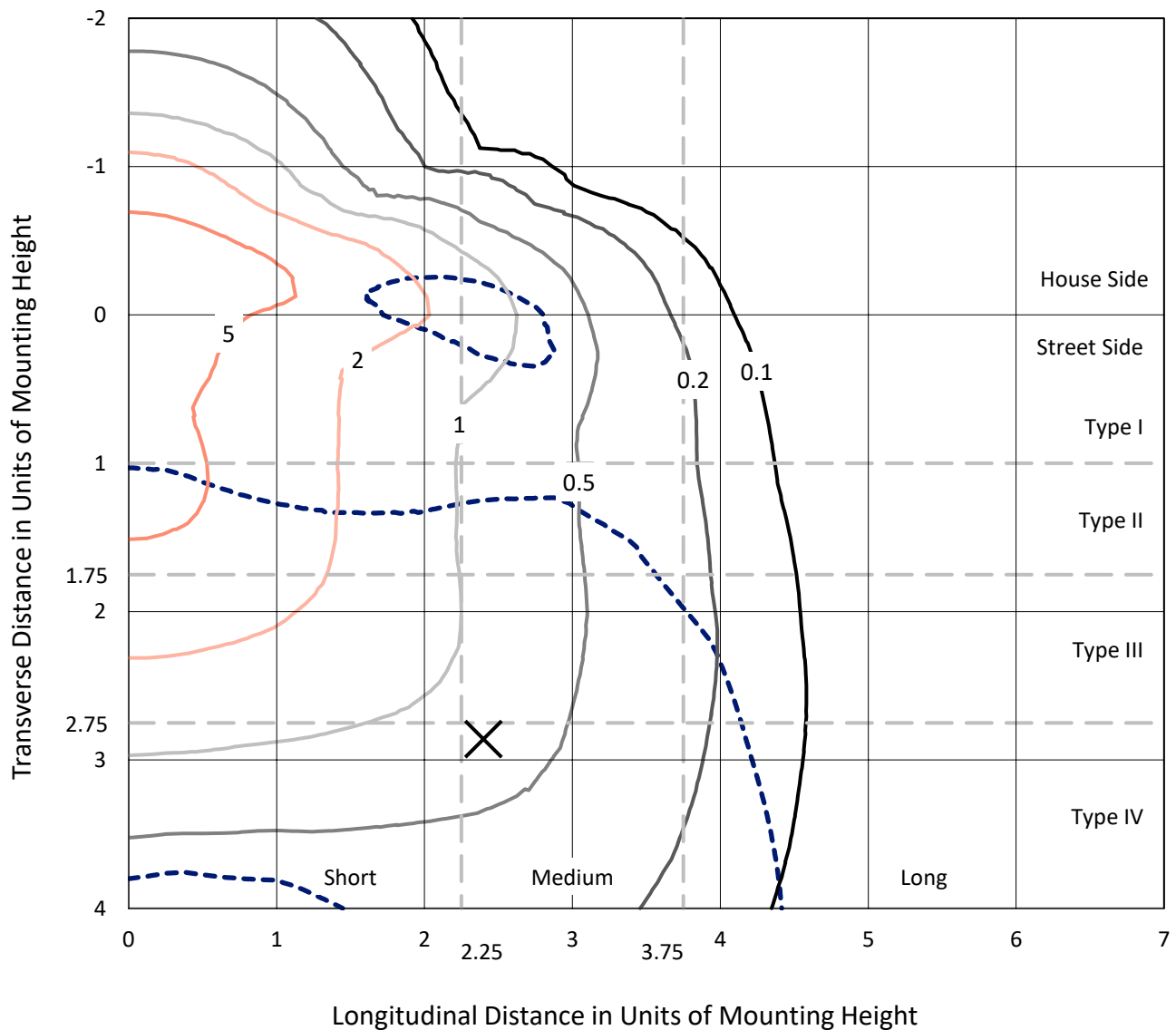


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## Iso-Footcandle Lines of Horizontal Illumination

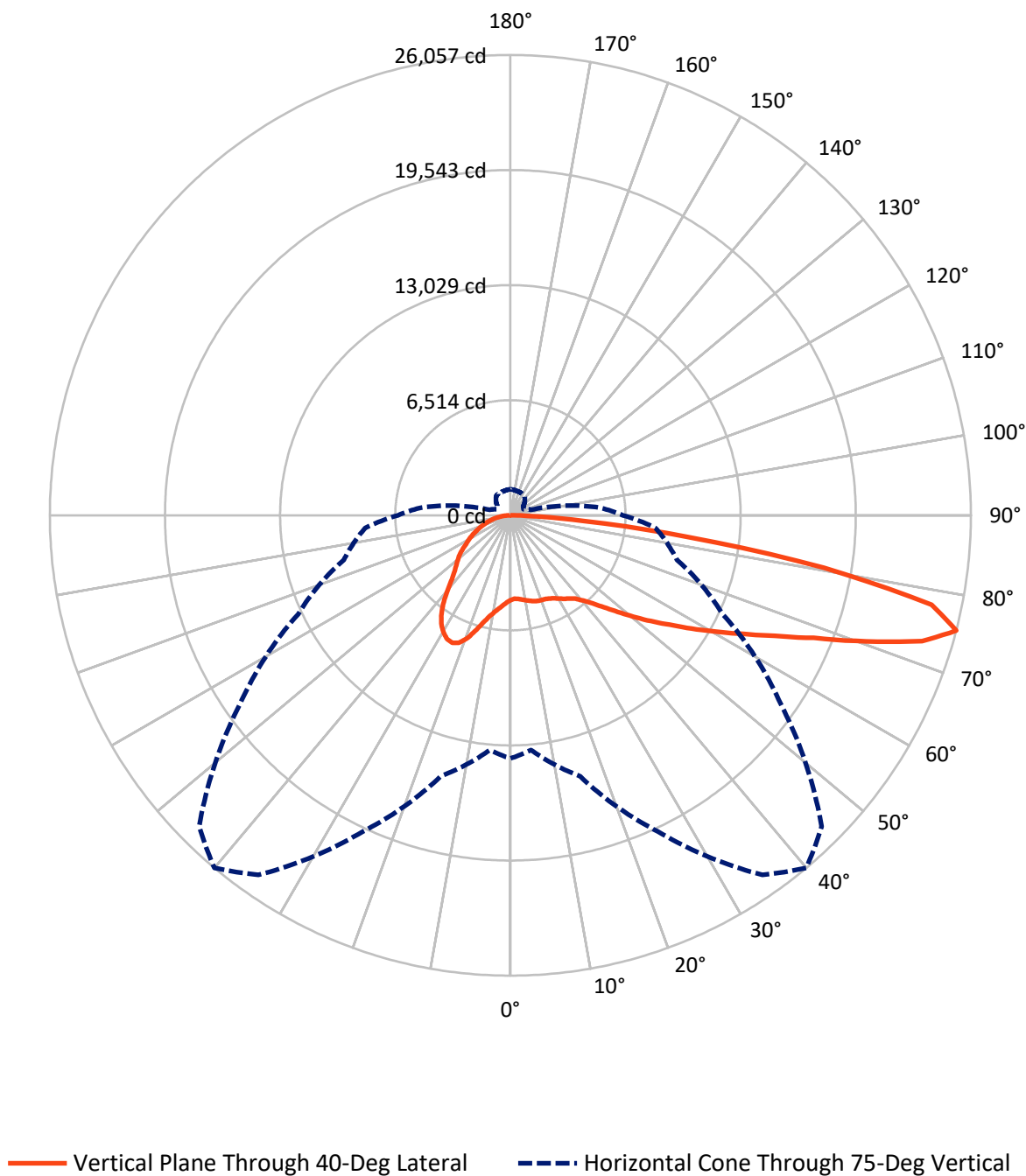
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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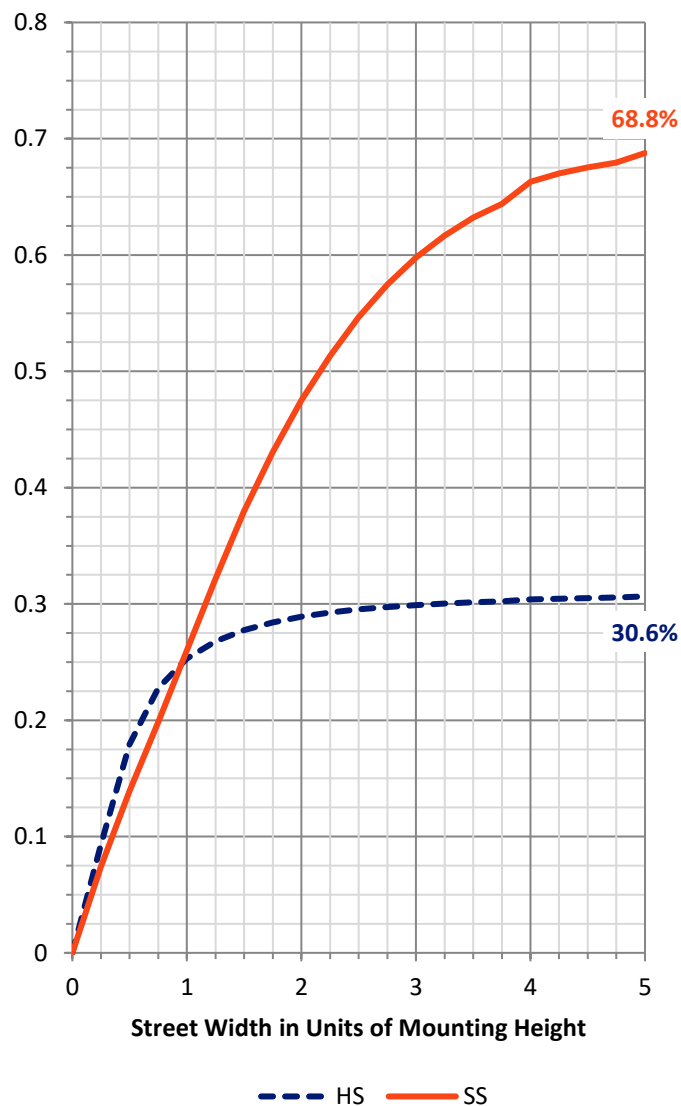
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12971.2  | 0.0    | 12971.2 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 28893.8  | 0.0    | 28893.8 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 41865.0  | 0.0    | 41865.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 477.9   | 1.1       |
| 10°-20°   | 1604.4  | 3.8       |
| 20°-30°   | 2929.5  | 7.0       |
| 30°-40°   | 4154.9  | 9.9       |
| 40°-50°   | 5610.3  | 13.4      |
| 50°-60°   | 7547.4  | 18.0      |
| 60°-70°   | 9579.4  | 22.9      |
| 70°-80°   | 8693.9  | 20.8      |
| 80°-90°   | 1267.3  | 3.0       |
| 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°    | 41865.0 | 100.0     |
| 0°-180°   | 41865.0 | 100.0     |

**Coefficient of Utilization**



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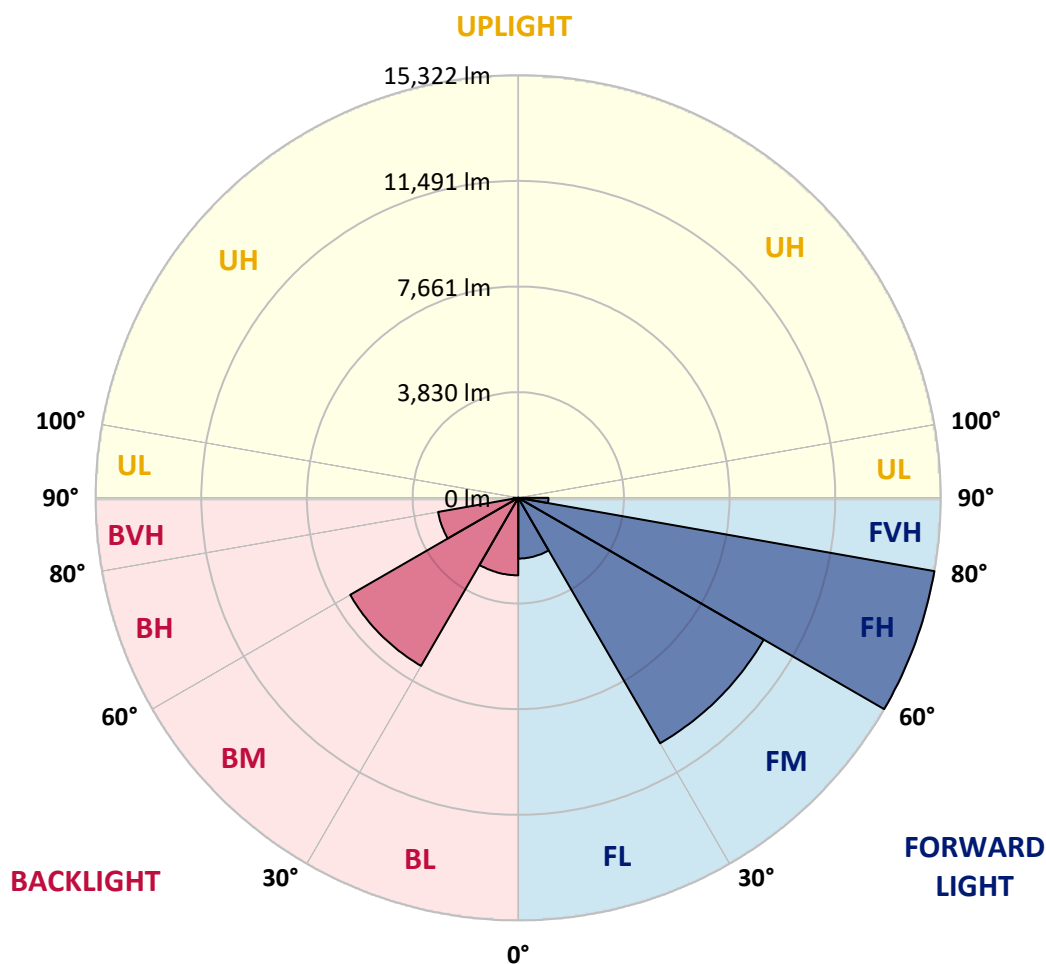
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2202.1  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 10276.9 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 15321.9 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 1092.8  | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 2809.7  | 6.7       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7035.7  | 16.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2951.3  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 174.5   | 0.4       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4787.3  | 4787.3  | 4787.3  | 4787.3  | 4787.3  | 4787.3  | 4787.3  | 4787.3  | 4787.3  | 4787.3  |
| 2.5°  | 4714.0  | 4740.7  | 4734.0  | 4725.1  | 4725.1  | 4727.4  | 4725.1  | 4740.7  | 4756.2  | 4771.8  |
| 5°    | 4762.9  | 4789.5  | 4776.2  | 4765.1  | 4756.2  | 4754.0  | 4747.4  | 4745.1  | 4754.0  | 4774.0  |
| 7.5°  | 4858.4  | 4885.0  | 4865.0  | 4845.1  | 4827.3  | 4818.4  | 4809.5  | 4796.2  | 4789.5  | 4800.6  |
| 10°   | 4965.0  | 4991.6  | 4967.2  | 4931.6  | 4902.8  | 4891.7  | 4882.8  | 4869.5  | 4860.6  | 4867.3  |
| 12.5° | 5071.5  | 5098.2  | 5064.9  | 5016.0  | 4978.3  | 4971.6  | 4960.5  | 4956.1  | 4953.9  | 4951.6  |
| 15°   | 5171.5  | 5193.7  | 5151.5  | 5093.7  | 5053.8  | 5042.7  | 5031.6  | 5038.2  | 5049.3  | 5062.7  |
| 17.5° | 5249.2  | 5271.4  | 5209.2  | 5133.7  | 5096.0  | 5091.5  | 5084.9  | 5107.1  | 5138.2  | 5171.5  |
| 20°   | 5320.2  | 5342.4  | 5262.5  | 5160.4  | 5115.9  | 5115.9  | 5118.2  | 5164.8  | 5209.2  | 5258.1  |
| 22.5° | 5420.2  | 5437.9  | 5340.2  | 5200.3  | 5135.9  | 5140.4  | 5158.1  | 5204.8  | 5260.3  | 5326.9  |
| 25°   | 5568.9  | 5582.2  | 5462.3  | 5275.8  | 5202.5  | 5215.9  | 5231.4  | 5253.6  | 5306.9  | 5384.6  |
| 27.5° | 5808.7  | 5819.8  | 5662.2  | 5409.0  | 5298.0  | 5320.2  | 5342.4  | 5326.9  | 5351.3  | 5417.9  |
| 30°   | 6146.2  | 6152.9  | 5953.1  | 5617.8  | 5460.1  | 5471.2  | 5475.7  | 5411.3  | 5364.6  | 5417.9  |
| 32.5° | 6545.9  | 6543.7  | 6306.1  | 5870.9  | 5644.4  | 5633.3  | 5595.6  | 5469.0  | 5360.2  | 5406.8  |
| 35°   | 7165.4  | 7141.0  | 6834.6  | 6226.2  | 5853.1  | 5784.3  | 5695.5  | 5533.4  | 5382.4  | 5395.7  |
| 37.5° | 8191.3  | 8115.8  | 7691.7  | 6807.9  | 6164.0  | 5988.6  | 5857.6  | 5637.8  | 5431.3  | 5391.3  |
| 40°   | 9348.1  | 9252.7  | 8786.4  | 7605.1  | 6630.3  | 6348.3  | 6137.4  | 5786.5  | 5511.2  | 5411.3  |
| 42.5° | 10720.4 | 10584.9 | 10083.1 | 8544.3  | 7220.9  | 6812.4  | 6494.9  | 5975.3  | 5628.9  | 5475.7  |
| 45°   | 12405.7 | 12225.9 | 11515.3 | 9603.5  | 7964.8  | 7420.8  | 6996.7  | 6261.7  | 5808.7  | 5600.0  |
| 47.5° | 14108.8 | 14153.2 | 13142.9 | 10815.9 | 8857.4  | 8171.3  | 7625.1  | 6692.5  | 6070.7  | 5799.8  |
| 50°   | 15918.5 | 15949.6 | 14761.6 | 12159.3 | 9870.0  | 9019.5  | 8331.2  | 7174.3  | 6434.9  | 6084.1  |
| 52.5° | 17330.7 | 17335.2 | 16231.6 | 13564.8 | 10924.7 | 9952.1  | 9092.8  | 7725.0  | 6856.8  | 6461.5  |
| 55°   | 18214.5 | 18203.4 | 17261.9 | 14894.9 | 12137.1 | 10931.3 | 9936.6  | 8351.2  | 7371.9  | 6905.6  |
| 57.5° | 18856.2 | 18822.9 | 17972.4 | 16038.4 | 13429.4 | 12088.2 | 10891.4 | 9061.7  | 7980.3  | 7434.1  |
| 60°   | 19100.4 | 19080.4 | 18454.3 | 17026.5 | 14788.3 | 13367.2 | 11992.7 | 9856.6  | 8670.9  | 8058.1  |
| 62.5° | 19193.7 | 19231.4 | 18927.2 | 17983.5 | 16242.7 | 14783.8 | 13202.9 | 10807.0 | 9448.1  | 8764.2  |
| 65°   | 19522.3 | 19591.1 | 19529.0 | 19235.9 | 17885.8 | 16442.5 | 14808.3 | 11937.2 | 10296.3 | 9521.3  |
| 67.5° | 20172.9 | 20241.7 | 20268.4 | 20734.7 | 19893.1 | 18509.8 | 16811.1 | 13345.0 | 11288.8 | 10307.4 |
| 70°   | 20157.4 | 20137.4 | 20608.1 | 21927.1 | 22406.7 | 21372.0 | 19511.2 | 15076.9 | 12472.3 | 10960.2 |
| 72.5° | 18347.7 | 18187.8 | 19300.3 | 21913.8 | 24498.4 | 24360.7 | 22808.6 | 17310.7 | 13493.8 | 11040.1 |
| 75°   | 13764.7 | 13338.3 | 15303.4 | 19748.8 | 24847.0 | 26057.1 | 24904.7 | 18696.3 | 13251.7 | 9754.5  |
| 77.5° | 5886.4  | 5457.9  | 7773.8  | 14619.5 | 22237.9 | 24358.5 | 22981.8 | 16311.5 | 10578.3 | 6450.4  |
| 80°   | 1541.0  | 1538.8  | 2349.3  | 6628.1  | 15123.6 | 17988.0 | 15780.8 | 10533.9 | 6044.1  | 2304.8  |
| 82.5° | 637.3   | 621.7   | 863.8   | 2578.0  | 7389.7  | 10094.2 | 8237.9  | 4698.5  | 2182.7  | 624.0   |
| 85°   | 237.6   | 235.4   | 419.7   | 890.4   | 2606.8  | 4163.4  | 3013.2  | 1201.3  | 544.0   | 304.2   |
| 87.5° | 66.6    | 64.4    | 91.0    | 308.6   | 635.1   | 963.7   | 515.1   | 197.6   | 153.2   | 119.9   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4787.3  | 0°    | 4787.3  | 4787.3  | 4787.3  | 4787.3 | 4787.3 | 4787.3 | 4787.3 | 4787.3 | 4787.3 | 4787.3 |
| 4796.2  | 2.5°  | 4802.9  | 4814.0  | 4833.9  | 4849.5 | 4869.5 | 4891.7 | 4922.8 | 4942.8 | 4962.7 | 4976.1 |
| 4807.3  | 5°    | 4822.8  | 4847.3  | 4898.3  | 4949.4 | 5009.4 | 5064.9 | 5129.3 | 5175.9 | 5213.6 | 5224.7 |
| 4847.3  | 7.5°  | 4867.3  | 4907.2  | 4993.8  | 5080.4 | 5175.9 | 5266.9 | 5360.2 | 5440.1 | 5504.5 | 5529.0 |
| 4918.3  | 10°   | 4945.0  | 4998.3  | 5120.4  | 5242.5 | 5369.1 | 5509.0 | 5628.9 | 5744.3 | 5835.4 | 5873.1 |
| 5002.7  | 12.5° | 5042.7  | 5109.3  | 5269.2  | 5437.9 | 5613.3 | 5806.5 | 5961.9 | 6104.1 | 6217.3 | 6268.4 |
| 5120.4  | 15°   | 5169.2  | 5255.8  | 5460.1  | 5686.6 | 5944.2 | 6212.9 | 6410.5 | 6568.1 | 6694.7 | 6756.9 |
| 5242.5  | 17.5° | 5306.9  | 5422.4  | 5679.9  | 6021.9 | 6390.5 | 6743.5 | 6974.5 | 7089.9 | 7220.9 | 7280.9 |
| 5355.8  | 20°   | 5440.1  | 5582.2  | 5950.8  | 6448.2 | 6938.9 | 7314.2 | 7500.7 | 7531.8 | 7540.7 | 7547.4 |
| 5462.3  | 22.5° | 5577.8  | 5768.8  | 6290.6  | 6985.6 | 7511.8 | 7771.6 | 7798.3 | 7665.0 | 7478.5 | 7391.9 |
| 5566.7  | 25°   | 5728.8  | 5981.9  | 6734.7  | 7578.4 | 8004.8 | 8035.9 | 7831.6 | 7507.4 | 7154.3 | 6992.2 |
| 5651.1  | 27.5° | 5875.3  | 6228.4  | 7267.6  | 8144.7 | 8360.0 | 8086.9 | 7647.3 | 7187.6 | 6761.3 | 6590.3 |
| 5711.0  | 30°   | 6021.9  | 6510.4  | 7856.0  | 8639.8 | 8522.1 | 7960.4 | 7356.4 | 6843.5 | 6414.9 | 6235.1 |
| 5764.3  | 32.5° | 6170.7  | 6839.0  | 8533.2  | 8997.3 | 8493.3 | 7691.7 | 6994.5 | 6457.1 | 6079.6 | 5890.9 |
| 5811.0  | 35°   | 6339.4  | 7243.2  | 9175.0  | 9192.7 | 8300.1 | 7296.4 | 6517.1 | 5995.3 | 5666.6 | 5515.6 |
| 5866.5  | 37.5° | 6559.2  | 7756.1  | 9741.2  | 9241.6 | 7962.6 | 6716.9 | 5924.2 | 5449.0 | 5178.1 | 5109.3 |
| 5948.6  | 40°   | 6832.4  | 8373.4  | 10174.2 | 9163.9 | 7463.0 | 6013.0 | 5275.8 | 4896.1 | 4742.9 | 4758.5 |
| 6059.6  | 42.5° | 7187.6  | 9063.9  | 10478.4 | 8964.0 | 6768.0 | 5286.9 | 4707.4 | 4538.6 | 4611.9 | 4674.1 |
| 6226.2  | 45°   | 7649.5  | 9781.1  | 10667.1 | 8624.3 | 5981.9 | 4671.9 | 4372.1 | 4412.1 | 4467.6 | 4474.2 |
| 6494.9  | 47.5° | 8240.1  | 10507.2 | 10791.5 | 8111.4 | 5180.3 | 4238.9 | 4158.9 | 4167.8 | 4156.7 | 4110.1 |
| 6896.8  | 50°   | 8977.3  | 11213.3 | 10902.5 | 7431.9 | 4498.7 | 3968.0 | 3861.4 | 3830.3 | 3677.1 | 3526.1 |
| 7431.9  | 52.5° | 9816.7  | 11861.7 | 10949.1 | 6588.1 | 3968.0 | 3741.5 | 3568.3 | 3372.9 | 3086.4 | 3039.8 |
| 8104.7  | 55°   | 10749.3 | 12461.2 | 10829.2 | 5551.2 | 3521.7 | 3450.6 | 3188.6 | 2953.2 | 2922.1 | 2882.2 |
| 8990.7  | 57.5° | 11863.9 | 13107.4 | 10584.9 | 4394.3 | 3064.2 | 3110.9 | 2855.5 | 2882.2 | 2826.6 | 2764.5 |
| 10129.8 | 60°   | 13083.0 | 13775.8 | 10156.4 | 3339.6 | 2591.3 | 2686.8 | 2768.9 | 2766.7 | 2751.2 | 2700.1 |
| 11331.0 | 62.5° | 14179.9 | 14215.4 | 9312.6  | 2558.0 | 2176.1 | 2358.1 | 2582.4 | 2580.2 | 2566.9 | 2538.0 |
| 12585.6 | 65°   | 14832.7 | 14148.8 | 7904.8  | 2014.0 | 1834.1 | 2087.2 | 2329.3 | 2347.0 | 2349.3 | 2347.0 |
| 13529.3 | 67.5° | 14717.2 | 13369.4 | 5973.0  | 1603.2 | 1552.1 | 1811.9 | 2078.4 | 2102.8 | 2120.5 | 2125.0 |
| 13649.2 | 70°   | 13411.6 | 11657.4 | 3894.7  | 1279.0 | 1301.2 | 1569.9 | 1840.8 | 1865.2 | 1880.7 | 1898.5 |
| 11844.0 | 72.5° | 10453.9 | 8571.0  | 2229.3  | 1034.7 | 1081.4 | 1361.1 | 1605.4 | 1634.3 | 1643.1 | 1676.4 |
| 8242.4  | 75°   | 6370.5  | 5040.5  | 1203.5  | 814.9  | 888.2  | 1163.5 | 1372.2 | 1405.6 | 1421.1 | 1461.1 |
| 4047.9  | 77.5° | 3028.7  | 2182.7  | 686.1   | 635.1  | 715.0  | 950.4  | 1159.1 | 1196.8 | 1154.6 | 1176.8 |
| 1116.9  | 80°   | 1023.6  | 810.5   | 433.0   | 484.1  | 546.2  | 741.6  | 928.2  | 965.9  | 877.1  | 872.6  |
| 370.8   | 82.5° | 357.5   | 328.6   | 275.3   | 322.0  | 353.1  | 530.7  | 701.7  | 750.5  | 652.8  | 650.6  |
| 166.5   | 85°   | 139.9   | 133.2   | 153.2   | 175.4  | 210.9  | 326.4  | 461.9  | 486.3  | 401.9  | 324.2  |
| 48.9    | 87.5° | 28.9    | 31.1    | 37.7    | 40.0   | 64.4   | 113.2  | 166.5  | 204.3  | 162.1  | 137.7  |
| 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°   |
|--------|
| 4787.3 |
| 4967.2 |
| 5229.2 |
| 5531.2 |
| 5875.3 |
| 6268.4 |
| 6752.4 |
| 7278.7 |
| 7565.1 |
| 7416.3 |
| 7016.7 |
| 6610.3 |
| 6255.0 |
| 5915.3 |
| 5548.9 |
| 5158.1 |
| 4811.7 |
| 4731.8 |
| 4518.6 |
| 4145.6 |
| 3546.1 |
| 3055.4 |
| 2888.8 |
| 2753.4 |
| 2682.3 |
| 2526.9 |
| 2347.0 |
| 2129.4 |
| 1907.4 |
| 1689.8 |
| 1465.5 |
| 1159.1 |
| 863.8  |
| 619.5  |
| 319.7  |
| 126.6  |
| 0.0    |