

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: P943662

Luminaire Tested: **GLAN-SB8B-730-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943662  
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-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 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: 45136 lumens  
Efficiency: N/A  
Efficacy: 154.2 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

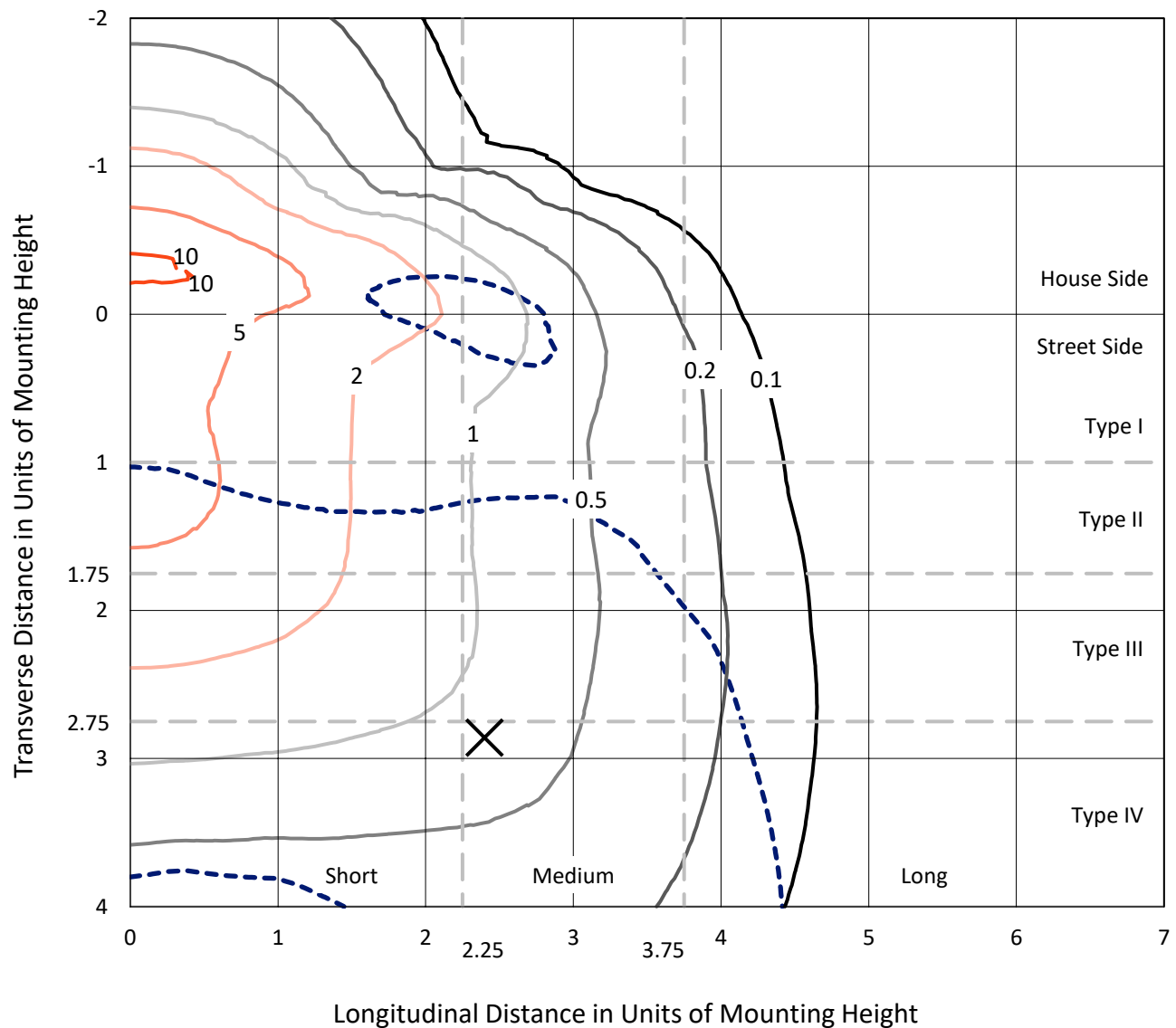


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## Iso-Footcandle Lines of Horizontal Illumination

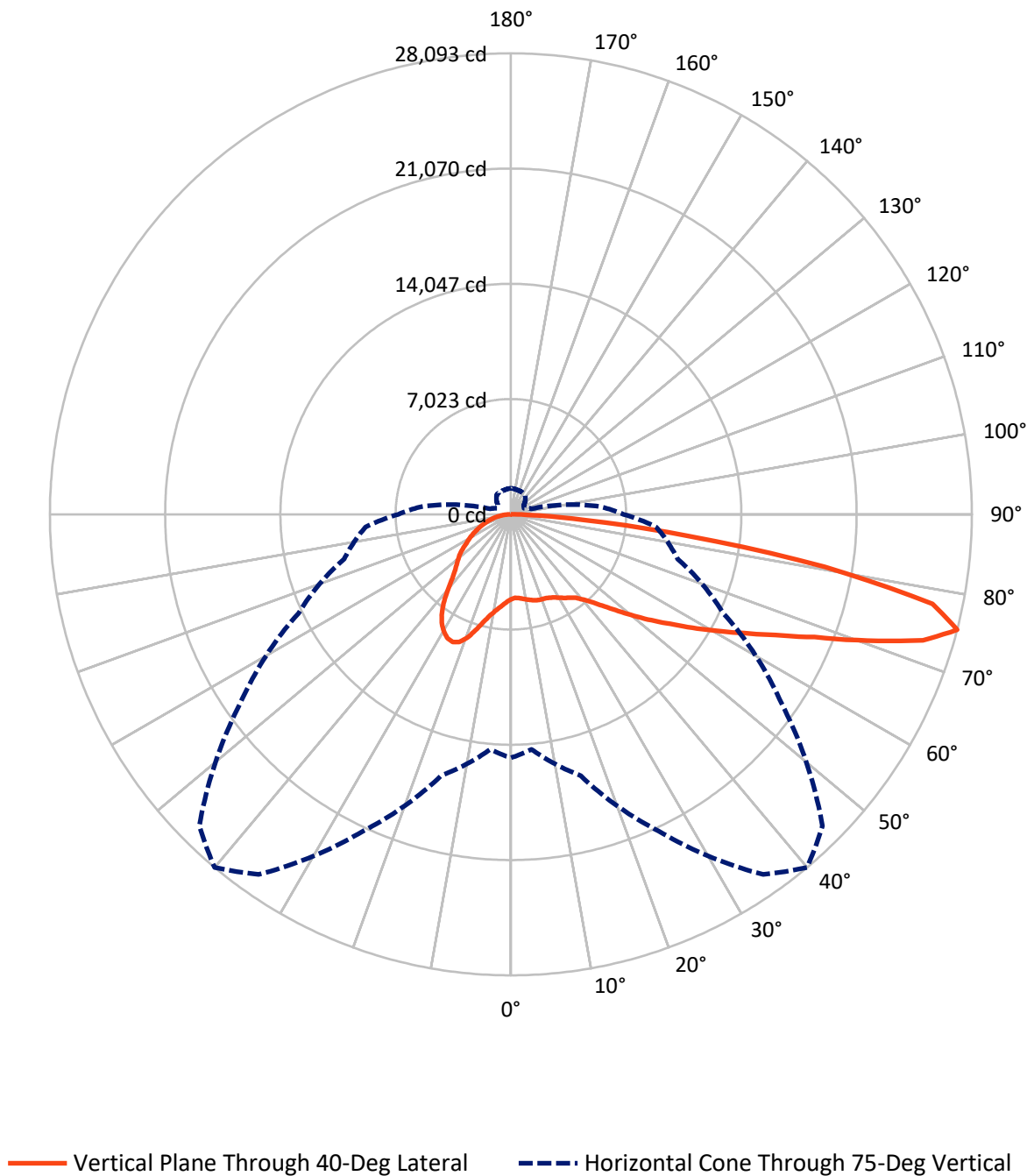
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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    | 13984.6  | 0.0    | 13984.6 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 31151.4  | 0.0    | 31151.4 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 45136.0  | 0.0    | 45136.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 515.2   | 1.1       |
| 10°-20°   | 1729.8  | 3.8       |
| 20°-30°   | 3158.4  | 7.0       |
| 30°-40°   | 4479.5  | 9.9       |
| 40°-50°   | 6048.7  | 13.4      |
| 50°-60°   | 8137.1  | 18.0      |
| 60°-70°   | 10327.8 | 22.9      |
| 70°-80°   | 9373.2  | 20.8      |
| 80°-90°   | 1366.3  | 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°    | 45136.0 | 100.0     |
| 0°-180°   | 45136.0 | 100.0     |

**Coefficient of Utilization**



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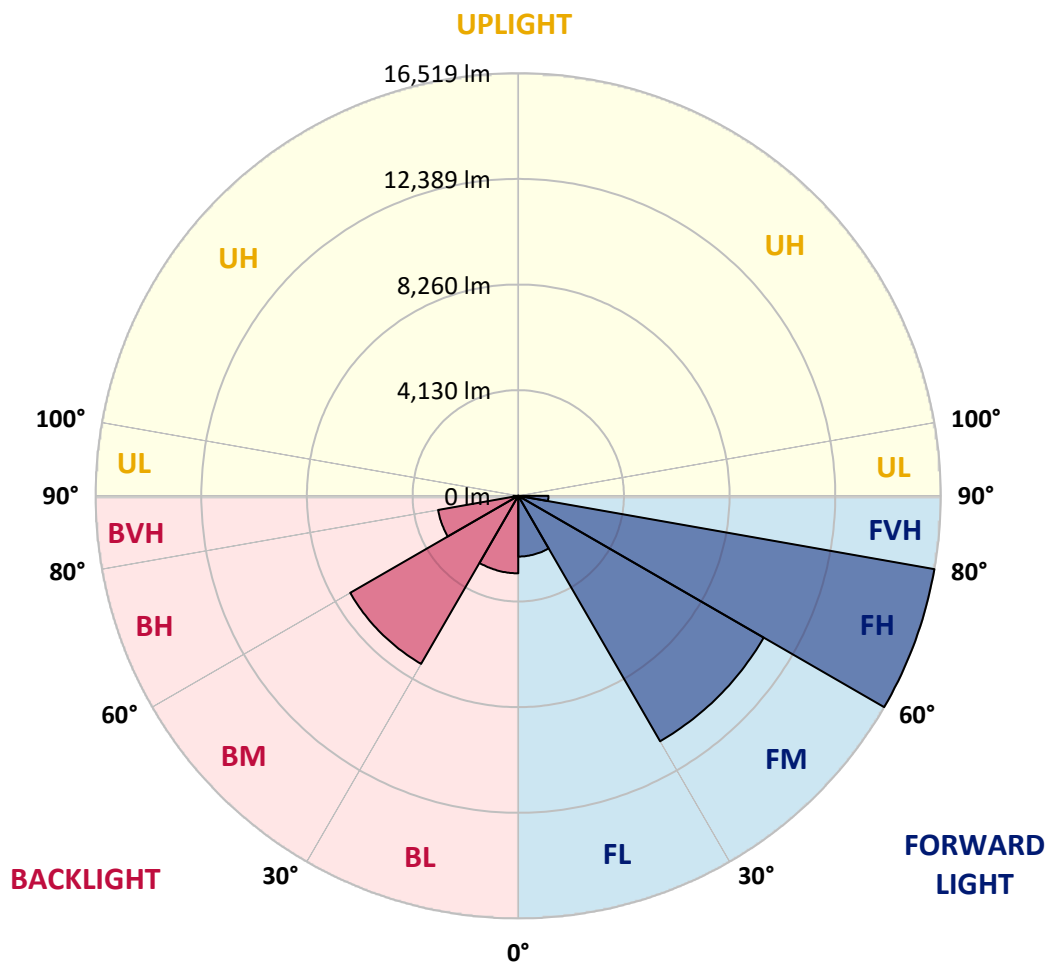
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2374.2  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 11079.9 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 16519.1 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 1178.2  | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 3029.2  | 6.7       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7585.4  | 16.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3181.9  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 188.1   | 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°    | 5161.4  | 5161.4  | 5161.4  | 5161.4  | 5161.4  | 5161.4  | 5161.4  | 5161.4  | 5161.4  | 5161.4  |
| 2.5°  | 5082.4  | 5111.1  | 5103.9  | 5094.3  | 5094.3  | 5096.7  | 5094.3  | 5111.1  | 5127.8  | 5144.6  |
| 5°    | 5135.0  | 5163.8  | 5149.4  | 5137.4  | 5127.8  | 5125.5  | 5118.3  | 5115.9  | 5125.5  | 5147.0  |
| 7.5°  | 5238.0  | 5266.7  | 5245.2  | 5223.6  | 5204.5  | 5194.9  | 5185.3  | 5170.9  | 5163.8  | 5175.7  |
| 10°   | 5352.9  | 5381.6  | 5355.3  | 5317.0  | 5285.8  | 5273.9  | 5264.3  | 5249.9  | 5240.4  | 5247.5  |
| 12.5° | 5467.8  | 5496.5  | 5460.6  | 5407.9  | 5367.2  | 5360.1  | 5348.1  | 5343.3  | 5340.9  | 5338.5  |
| 15°   | 5575.5  | 5599.5  | 5554.0  | 5491.7  | 5448.6  | 5436.7  | 5424.7  | 5431.9  | 5443.8  | 5458.2  |
| 17.5° | 5659.3  | 5683.2  | 5616.2  | 5534.8  | 5494.1  | 5489.3  | 5482.2  | 5506.1  | 5539.6  | 5575.5  |
| 20°   | 5735.9  | 5759.8  | 5673.7  | 5563.5  | 5515.7  | 5515.7  | 5518.1  | 5568.3  | 5616.2  | 5668.9  |
| 22.5° | 5843.6  | 5862.8  | 5757.5  | 5606.6  | 5537.2  | 5542.0  | 5561.2  | 5611.4  | 5671.3  | 5743.1  |
| 25°   | 6004.0  | 6018.4  | 5889.1  | 5688.0  | 5609.0  | 5623.4  | 5640.2  | 5664.1  | 5721.5  | 5805.3  |
| 27.5° | 6262.6  | 6274.5  | 6104.6  | 5831.7  | 5712.0  | 5735.9  | 5759.8  | 5743.1  | 5769.4  | 5841.2  |
| 30°   | 6626.5  | 6633.6  | 6418.2  | 6056.7  | 5886.7  | 5898.7  | 5903.5  | 5834.1  | 5783.8  | 5841.2  |
| 32.5° | 7057.4  | 7055.0  | 6798.8  | 6329.6  | 6085.4  | 6073.5  | 6032.8  | 5896.3  | 5779.0  | 5829.3  |
| 35°   | 7725.3  | 7699.0  | 7368.6  | 6712.6  | 6310.5  | 6236.2  | 6140.5  | 5965.7  | 5802.9  | 5817.3  |
| 37.5° | 8831.3  | 8749.9  | 8292.7  | 7339.9  | 6645.6  | 6456.5  | 6315.2  | 6078.2  | 5855.6  | 5812.5  |
| 40°   | 10078.5 | 9975.6  | 9472.9  | 8199.3  | 7148.3  | 6844.3  | 6616.9  | 6238.6  | 5941.8  | 5834.1  |
| 42.5° | 11558.0 | 11412.0 | 10870.9 | 9211.9  | 7785.1  | 7344.6  | 7002.3  | 6442.1  | 6068.7  | 5903.5  |
| 45°   | 13375.0 | 13181.1 | 12415.0 | 10353.8 | 8587.1  | 8000.6  | 7543.3  | 6750.9  | 6262.6  | 6037.5  |
| 47.5° | 15211.2 | 15259.1 | 14169.8 | 11660.9 | 9549.5  | 8809.7  | 8220.8  | 7215.4  | 6545.1  | 6253.0  |
| 50°   | 17162.2 | 17195.8 | 15915.0 | 13109.3 | 10641.1 | 9724.2  | 8982.1  | 7734.9  | 6937.7  | 6559.4  |
| 52.5° | 18684.8 | 18689.6 | 17499.8 | 14624.7 | 11778.2 | 10729.7 | 9803.2  | 8328.6  | 7392.5  | 6966.4  |
| 55°   | 19637.6 | 19625.6 | 18610.6 | 16058.6 | 13085.3 | 11785.4 | 10712.9 | 9003.7  | 7947.9  | 7445.2  |
| 57.5° | 20329.4 | 20293.5 | 19376.7 | 17291.5 | 14478.6 | 13032.7 | 11742.3 | 9769.7  | 8603.9  | 8015.0  |
| 60°   | 20592.8 | 20571.2 | 19896.1 | 18356.8 | 15943.7 | 14411.6 | 12929.7 | 10626.8 | 9348.4  | 8687.7  |
| 62.5° | 20693.3 | 20734.0 | 20406.1 | 19388.6 | 17511.8 | 15938.9 | 14234.4 | 11651.4 | 10186.3 | 9448.9  |
| 65°   | 21047.6 | 21121.8 | 21054.8 | 20738.8 | 19283.3 | 17727.2 | 15965.3 | 12869.9 | 11100.8 | 10265.3 |
| 67.5° | 21749.1 | 21823.3 | 21852.0 | 22354.7 | 21447.4 | 19956.0 | 18124.6 | 14387.7 | 12170.9 | 11112.7 |
| 70°   | 21732.3 | 21710.8 | 22218.3 | 23640.3 | 24157.4 | 23041.8 | 21035.7 | 16254.9 | 13446.8 | 11816.5 |
| 72.5° | 19781.2 | 19608.9 | 20808.2 | 23625.9 | 26412.5 | 26264.1 | 24590.7 | 18663.3 | 14548.0 | 11902.7 |
| 75°   | 14840.1 | 14380.5 | 16499.1 | 21291.8 | 26788.3 | 28093.0 | 26850.6 | 20157.1 | 14287.1 | 10516.6 |
| 77.5° | 6346.4  | 5884.3  | 8381.2  | 15761.8 | 23975.4 | 26261.7 | 24777.4 | 17586.0 | 11404.8 | 6954.4  |
| 80°   | 1661.4  | 1659.0  | 2532.8  | 7145.9  | 16305.2 | 19393.4 | 17013.8 | 11356.9 | 6516.3  | 2484.9  |
| 82.5° | 687.1   | 670.3   | 931.2   | 2779.4  | 7967.1  | 10882.9 | 8881.6  | 5065.6  | 2353.3  | 672.7   |
| 85°   | 256.2   | 253.8   | 452.5   | 960.0   | 2810.5  | 4488.7  | 3248.6  | 1295.1  | 586.5   | 328.0   |
| 87.5° | 71.8    | 69.4    | 98.2    | 332.8   | 684.7   | 1039.0  | 555.4   | 213.1   | 165.2   | 129.3   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 5161.4  | 0°    | 5161.4  | 5161.4  | 5161.4  | 5161.4 | 5161.4 | 5161.4 | 5161.4 | 5161.4 | 5161.4 | 5161.4 |
| 5170.9  | 2.5°  | 5178.1  | 5190.1  | 5211.6  | 5228.4 | 5249.9 | 5273.9 | 5307.4 | 5328.9 | 5350.5 | 5364.8 |
| 5182.9  | 5°    | 5199.7  | 5226.0  | 5281.1  | 5336.1 | 5400.8 | 5460.6 | 5530.0 | 5580.3 | 5621.0 | 5633.0 |
| 5226.0  | 7.5°  | 5247.5  | 5290.6  | 5384.0  | 5477.4 | 5580.3 | 5678.5 | 5779.0 | 5865.2 | 5934.6 | 5960.9 |
| 5302.6  | 10°   | 5331.3  | 5388.8  | 5520.5  | 5652.1 | 5788.6 | 5939.4 | 6068.7 | 6193.2 | 6291.3 | 6332.0 |
| 5393.6  | 12.5° | 5436.7  | 5508.5  | 5680.8  | 5862.8 | 6051.9 | 6260.2 | 6427.8 | 6581.0 | 6703.1 | 6758.1 |
| 5520.5  | 15°   | 5573.1  | 5666.5  | 5886.7  | 6130.9 | 6408.6 | 6698.3 | 6911.3 | 7081.3 | 7217.8 | 7284.8 |
| 5652.1  | 17.5° | 5721.5  | 5846.0  | 6123.7  | 6492.4 | 6889.8 | 7270.4 | 7519.4 | 7643.9 | 7785.1 | 7849.8 |
| 5774.2  | 20°   | 5865.2  | 6018.4  | 6415.8  | 6952.0 | 7481.1 | 7885.7 | 8086.8 | 8120.3 | 8129.9 | 8137.0 |
| 5889.1  | 22.5° | 6013.6  | 6219.5  | 6782.1  | 7531.4 | 8098.7 | 8378.8 | 8407.6 | 8263.9 | 8062.8 | 7969.5 |
| 6001.6  | 25°   | 6176.4  | 6449.3  | 7260.9  | 8170.6 | 8630.2 | 8663.7 | 8443.5 | 8094.0 | 7713.3 | 7538.6 |
| 6092.6  | 27.5° | 6334.4  | 6715.0  | 7835.4  | 8781.0 | 9013.2 | 8718.8 | 8244.8 | 7749.2 | 7289.6 | 7105.3 |
| 6157.2  | 30°   | 6492.4  | 7019.1  | 8469.8  | 9314.9 | 9188.0 | 8582.3 | 7931.2 | 7378.2 | 6916.1 | 6722.2 |
| 6214.7  | 32.5° | 6652.8  | 7373.4  | 9200.0  | 9700.3 | 9156.9 | 8292.7 | 7541.0 | 6961.6 | 6554.6 | 6351.2 |
| 6265.0  | 35°   | 6834.7  | 7809.1  | 9891.8  | 9911.0 | 8948.6 | 7866.5 | 7026.3 | 6463.7 | 6109.4 | 5946.6 |
| 6324.8  | 37.5° | 7071.7  | 8362.1  | 10502.3 | 9963.6 | 8584.7 | 7241.7 | 6387.1 | 5874.8 | 5582.7 | 5508.5 |
| 6413.4  | 40°   | 7366.2  | 9027.6  | 10969.1 | 9879.8 | 8046.1 | 6482.8 | 5688.0 | 5278.7 | 5113.5 | 5130.2 |
| 6533.1  | 42.5° | 7749.2  | 9772.1  | 11297.1 | 9664.4 | 7296.8 | 5700.0 | 5075.2 | 4893.2 | 4972.2 | 5039.3 |
| 6712.6  | 45°   | 8247.2  | 10545.4 | 11500.5 | 9298.1 | 6449.3 | 5036.9 | 4713.7 | 4756.8 | 4816.6 | 4823.8 |
| 7002.3  | 47.5° | 8884.0  | 11328.2 | 11634.6 | 8745.1 | 5585.1 | 4570.1 | 4483.9 | 4493.4 | 4481.5 | 4431.2 |
| 7435.6  | 50°   | 9678.8  | 12089.5 | 11754.3 | 8012.6 | 4850.1 | 4278.0 | 4163.1 | 4129.6 | 3964.4 | 3801.6 |
| 8012.6  | 52.5° | 10583.7 | 12788.5 | 11804.6 | 7102.9 | 4278.0 | 4033.8 | 3847.1 | 3636.4 | 3327.6 | 3277.3 |
| 8737.9  | 55°   | 11589.1 | 13434.9 | 11675.3 | 5984.9 | 3796.8 | 3720.2 | 3437.7 | 3184.0 | 3150.4 | 3107.4 |
| 9693.1  | 57.5° | 12790.9 | 14131.5 | 11412.0 | 4737.6 | 3303.7 | 3353.9 | 3078.6 | 3107.4 | 3047.5 | 2980.5 |
| 10921.2 | 60°   | 14105.2 | 14852.1 | 10949.9 | 3600.5 | 2793.7 | 2896.7 | 2985.3 | 2982.9 | 2966.1 | 2911.0 |
| 12216.3 | 62.5° | 15287.8 | 15326.1 | 10040.2 | 2757.8 | 2346.1 | 2542.4 | 2784.2 | 2781.8 | 2767.4 | 2736.3 |
| 13568.9 | 65°   | 15991.6 | 15254.3 | 8522.5  | 2171.3 | 1977.4 | 2250.3 | 2511.3 | 2530.4 | 2532.8 | 2530.4 |
| 14586.4 | 67.5° | 15867.1 | 14414.0 | 6439.7  | 1728.4 | 1673.4 | 1953.5 | 2240.7 | 2267.1 | 2286.2 | 2291.0 |
| 14715.6 | 70°   | 14459.5 | 12568.3 | 4199.0  | 1378.9 | 1402.9 | 1692.5 | 1984.6 | 2010.9 | 2027.7 | 2046.8 |
| 12769.3 | 72.5° | 11270.7 | 9240.7  | 2403.5  | 1115.6 | 1165.9 | 1467.5 | 1730.8 | 1761.9 | 1771.5 | 1807.4 |
| 8886.4  | 75°   | 6868.2  | 5434.3  | 1297.5  | 878.6  | 957.6  | 1254.4 | 1479.5 | 1515.4 | 1532.1 | 1575.2 |
| 4364.2  | 77.5° | 3265.4  | 2353.3  | 739.7   | 684.7  | 770.9  | 1024.6 | 1249.6 | 1290.3 | 1244.9 | 1268.8 |
| 1204.2  | 80°   | 1103.6  | 873.8   | 466.8   | 521.9  | 588.9  | 799.6  | 1000.7 | 1041.4 | 945.6  | 940.8  |
| 399.8   | 82.5° | 385.4   | 354.3   | 296.9   | 347.1  | 380.6  | 572.2  | 756.5  | 809.2  | 703.8  | 701.4  |
| 179.5   | 85°   | 150.8   | 143.6   | 165.2   | 189.1  | 227.4  | 351.9  | 497.9  | 524.3  | 433.3  | 349.5  |
| 52.7    | 87.5° | 31.1    | 33.5    | 40.7    | 43.1   | 69.4   | 122.1  | 179.5  | 220.2  | 174.8  | 148.4  |
| 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°   |
|--------|
| 5161.4 |
| 5355.3 |
| 5637.8 |
| 5963.3 |
| 6334.4 |
| 6758.1 |
| 7280.0 |
| 7847.4 |
| 8156.2 |
| 7995.8 |
| 7564.9 |
| 7126.8 |
| 6743.8 |
| 6377.5 |
| 5982.5 |
| 5561.2 |
| 5187.7 |
| 5101.5 |
| 4871.7 |
| 4469.5 |
| 3823.1 |
| 3294.1 |
| 3114.5 |
| 2968.5 |
| 2891.9 |
| 2724.3 |
| 2530.4 |
| 2295.8 |
| 2056.4 |
| 1821.8 |
| 1580.0 |
| 1249.6 |
| 931.2  |
| 667.9  |
| 344.7  |
| 136.5  |
| 0.0    |