

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: P941882

Luminaire Tested: **GLAN-SB5C-850-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941882  
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-SB5C-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35870 lumens  
Efficiency: N/A  
Efficacy: 143.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

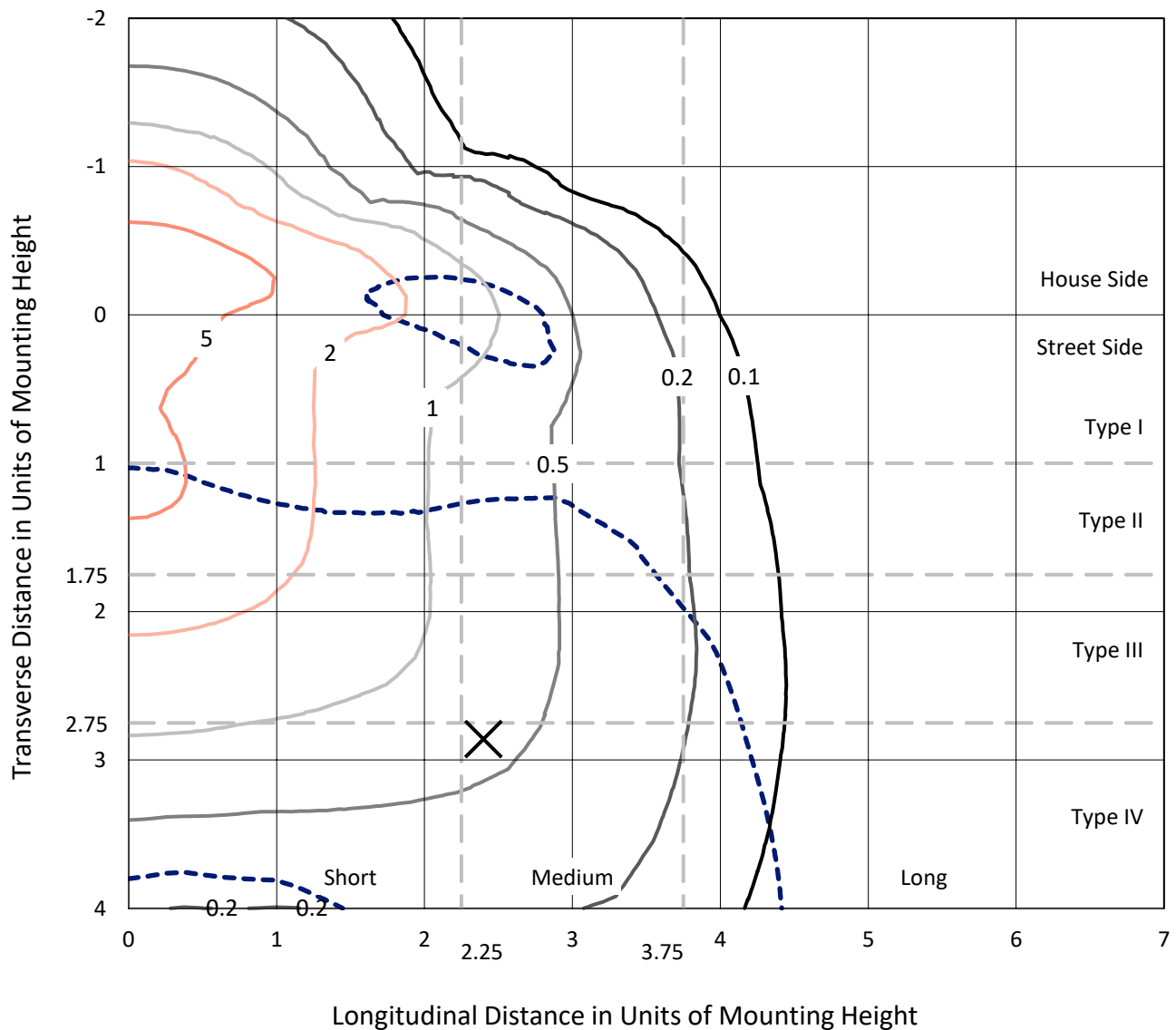
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

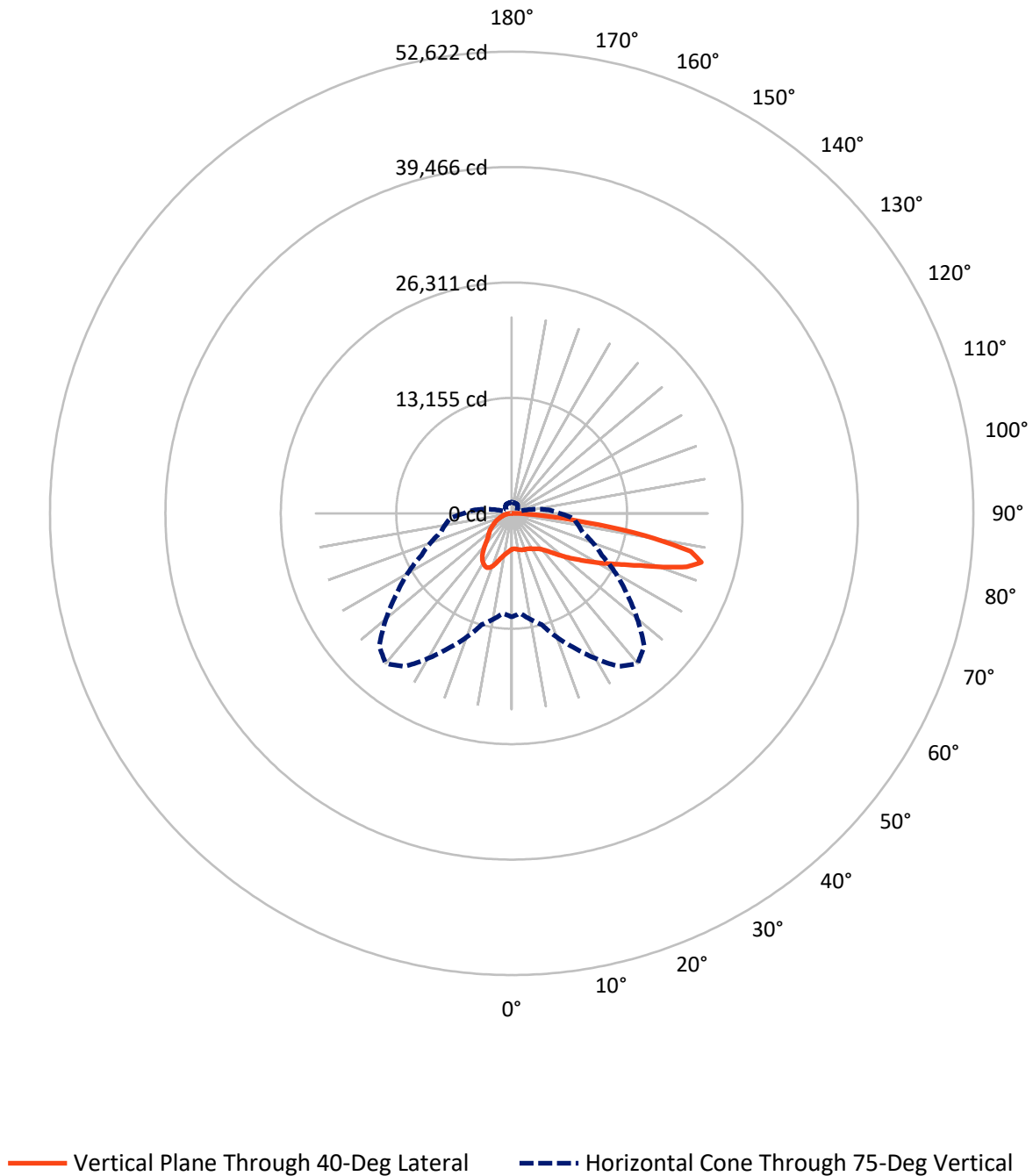
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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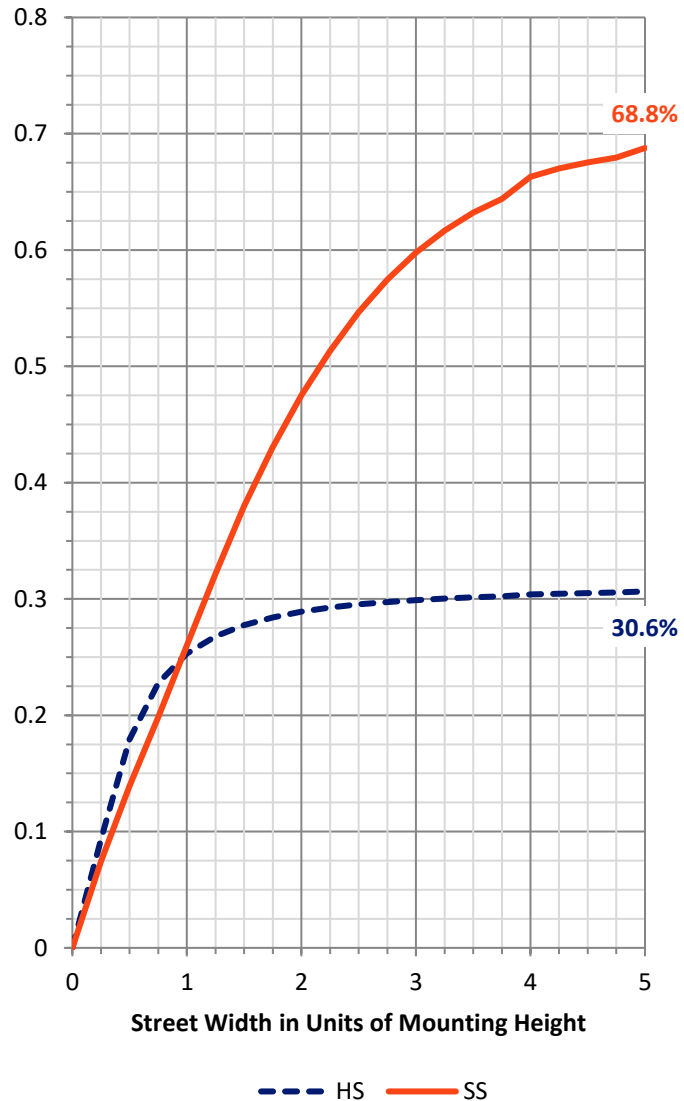
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11113.7  | 0.0    | 11113.7 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 24756.3  | 0.0    | 24756.3 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 35870.0  | 0.0    | 35870.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 409.4   | 1.1       |
| 10°-20°   | 1374.7  | 3.8       |
| 20°-30°   | 2510.0  | 7.0       |
| 30°-40°   | 3559.9  | 9.9       |
| 40°-50°   | 4806.9  | 13.4      |
| 50°-60°   | 6466.6  | 18.0      |
| 60°-70°   | 8207.6  | 22.9      |
| 70°-80°   | 7448.9  | 20.8      |
| 80°-90°   | 1085.8  | 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°    | 35870.0 | 100.0     |
| 0°-180°   | 35870.0 | 100.0     |

**Coefficient of Utilization**



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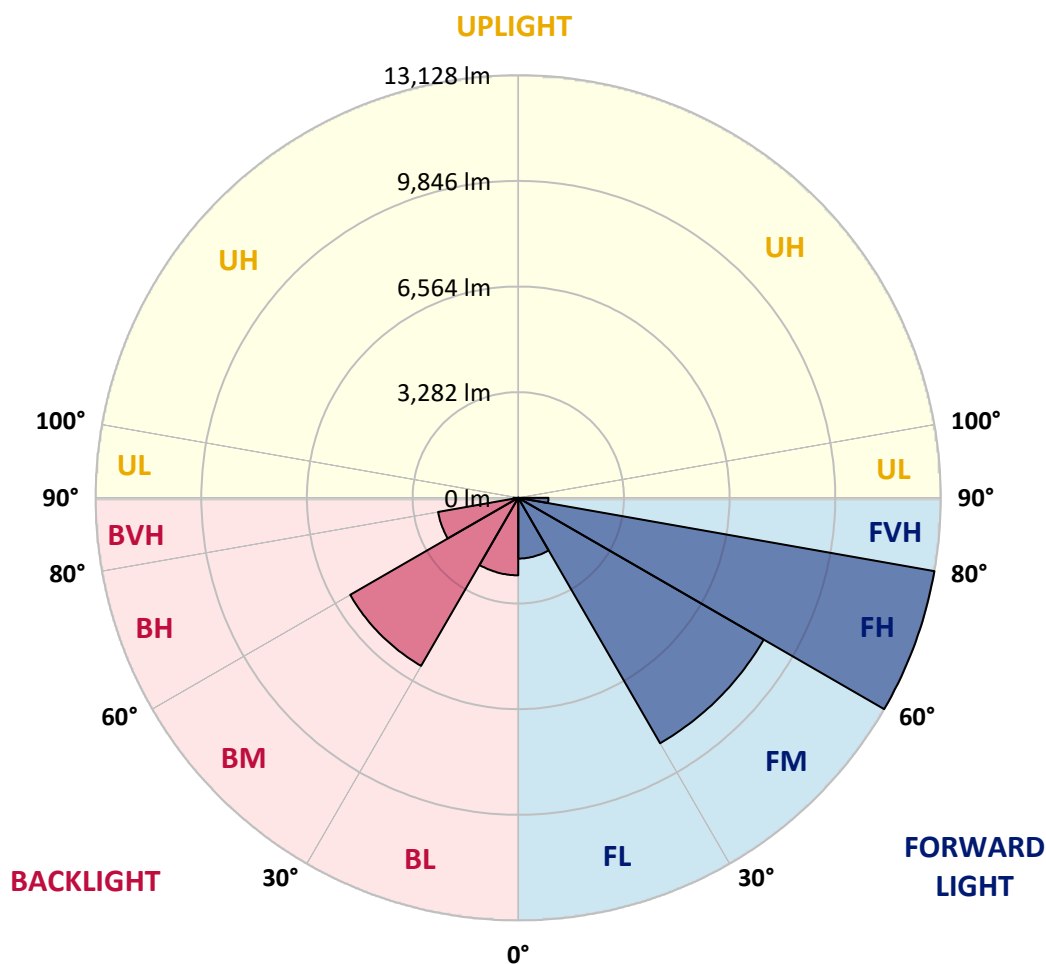
CATALOG NUMBER: GLAN-SB5C-850-U-SL4

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1886.8  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 8805.3  | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 13127.9 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 936.3   | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 2407.3  | 6.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6028.2  | 16.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2528.7  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 149.5   | 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°    | 4101.8  | 4101.8  | 4101.8  | 4101.8  | 4101.8  | 4101.8  | 4101.8  | 4101.8  | 4101.8  | 4101.8 |
| 2.5°  | 4039.0  | 4061.8  | 4056.1  | 4048.5  | 4048.5  | 4050.4  | 4048.5  | 4061.8  | 4075.1  | 4088.5 |
| 5°    | 4080.9  | 4103.7  | 4092.3  | 4082.8  | 4075.1  | 4073.2  | 4067.5  | 4065.6  | 4073.2  | 4090.4 |
| 7.5°  | 4162.7  | 4185.5  | 4168.4  | 4151.2  | 4136.0  | 4128.4  | 4120.8  | 4109.4  | 4103.7  | 4113.2 |
| 10°   | 4254.0  | 4276.8  | 4255.9  | 4225.4  | 4200.7  | 4191.2  | 4183.6  | 4172.2  | 4164.6  | 4170.3 |
| 12.5° | 4345.3  | 4368.1  | 4339.6  | 4297.7  | 4265.4  | 4259.7  | 4250.2  | 4246.4  | 4244.5  | 4242.6 |
| 15°   | 4430.9  | 4449.9  | 4413.8  | 4364.3  | 4330.1  | 4320.6  | 4311.1  | 4316.8  | 4326.3  | 4337.7 |
| 17.5° | 4497.5  | 4516.5  | 4463.3  | 4398.6  | 4366.2  | 4362.4  | 4356.7  | 4375.7  | 4402.4  | 4430.9 |
| 20°   | 4558.4  | 4577.4  | 4508.9  | 4421.4  | 4383.4  | 4383.4  | 4385.3  | 4425.2  | 4463.3  | 4505.1 |
| 22.5° | 4644.0  | 4659.2  | 4575.5  | 4455.6  | 4400.5  | 4404.3  | 4419.5  | 4459.5  | 4507.0  | 4564.1 |
| 25°   | 4771.5  | 4782.9  | 4680.1  | 4520.3  | 4457.5  | 4469.0  | 4482.3  | 4501.3  | 4547.0  | 4613.6 |
| 27.5° | 4976.9  | 4986.4  | 4851.4  | 4634.5  | 4539.4  | 4558.4  | 4577.4  | 4564.1  | 4585.0  | 4642.1 |
| 30°   | 5266.1  | 5271.8  | 5100.6  | 4813.3  | 4678.2  | 4687.8  | 4691.6  | 4636.4  | 4596.4  | 4642.1 |
| 32.5° | 5608.6  | 5606.7  | 5403.1  | 5030.2  | 4836.1  | 4826.6  | 4794.3  | 4685.8  | 4592.6  | 4632.6 |
| 35°   | 6139.4  | 6118.4  | 5855.9  | 5334.6  | 5015.0  | 4956.0  | 4879.9  | 4741.0  | 4611.7  | 4623.1 |
| 37.5° | 7018.3  | 6953.6  | 6590.2  | 5833.1  | 5281.3  | 5131.0  | 5018.8  | 4830.4  | 4653.5  | 4619.3 |
| 40°   | 8009.5  | 7927.7  | 7528.2  | 6516.1  | 5680.9  | 5439.2  | 5258.5  | 4957.9  | 4722.0  | 4636.4 |
| 42.5° | 9185.3  | 9069.2  | 8639.2  | 7320.8  | 6186.9  | 5836.9  | 5564.8  | 5119.6  | 4822.8  | 4691.6 |
| 45°   | 10629.2 | 10475.1 | 9866.3  | 8228.3  | 6824.3  | 6358.1  | 5994.8  | 5365.0  | 4976.9  | 4798.1 |
| 47.5° | 12088.5 | 12126.5 | 11260.9 | 9267.1  | 7589.1  | 7001.2  | 6533.2  | 5734.1  | 5201.4  | 4969.3 |
| 50°   | 13639.0 | 13665.6 | 12647.8 | 10418.1 | 8456.6  | 7727.9  | 7138.2  | 6147.0  | 5513.4  | 5212.8 |
| 52.5° | 14849.0 | 14852.8 | 13907.2 | 11622.4 | 9360.3  | 8527.0  | 7790.7  | 6618.8  | 5874.9  | 5536.3 |
| 55°   | 15606.2 | 15596.7 | 14790.0 | 12761.9 | 10399.0 | 9366.0  | 8513.7  | 7155.3  | 6316.3  | 5916.8 |
| 57.5° | 16156.0 | 16127.5 | 15398.8 | 13741.7 | 11506.3 | 10357.2 | 9331.7  | 7764.1  | 6837.6  | 6369.6 |
| 60°   | 16365.3 | 16348.2 | 15811.6 | 14588.3 | 12670.6 | 11453.0 | 10275.4 | 8445.2  | 7429.2  | 6904.2 |
| 62.5° | 16445.2 | 16477.5 | 16216.9 | 15408.3 | 13916.8 | 12666.8 | 11312.2 | 9259.5  | 8095.1  | 7509.2 |
| 65°   | 16726.7 | 16785.7 | 16732.5 | 16481.3 | 15324.6 | 14088.0 | 12687.7 | 10227.8 | 8821.9  | 8157.9 |
| 67.5° | 17284.2 | 17343.2 | 17366.0 | 17765.5 | 17044.5 | 15859.2 | 14403.8 | 11434.0 | 9672.3  | 8831.4 |
| 70°   | 17270.9 | 17253.7 | 17657.1 | 18787.2 | 19198.1 | 18311.5 | 16717.2 | 12918.0 | 10686.3 | 9390.7 |
| 72.5° | 15720.3 | 15583.3 | 16536.5 | 18775.7 | 20990.2 | 20872.3 | 19542.4 | 14831.9 | 11561.5 | 9459.2 |
| 75°   | 11793.6 | 11428.3 | 13112.0 | 16920.8 | 21288.9 | 22325.8 | 21338.4 | 16019.0 | 11354.1 | 8357.7 |
| 77.5° | 5043.5  | 4676.3  | 6660.6  | 12526.0 | 19053.5 | 20870.4 | 19690.8 | 13975.7 | 9063.5  | 5526.8 |
| 80°   | 1320.3  | 1318.4  | 2012.8  | 5679.0  | 12957.9 | 15412.1 | 13521.0 | 9025.4  | 5178.6  | 1974.8 |
| 82.5° | 546.0   | 532.7   | 740.1   | 2208.8  | 6331.5  | 8648.7  | 7058.3  | 4025.7  | 1870.2  | 534.6  |
| 85°   | 203.6   | 201.7   | 359.6   | 762.9   | 2233.5  | 3567.2  | 2581.7  | 1029.3  | 466.1   | 260.6  |
| 87.5° | 57.1    | 55.2    | 78.0    | 264.4   | 544.1   | 825.7   | 441.4   | 169.3   | 131.3   | 102.7  |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4101.8  | 0°    | 4101.8  | 4101.8  | 4101.8 | 4101.8 | 4101.8 | 4101.8 | 4101.8 | 4101.8 | 4101.8 | 4101.8 |
| 4109.4  | 2.5°  | 4115.1  | 4124.6  | 4141.7 | 4155.1 | 4172.2 | 4191.2 | 4217.8 | 4235.0 | 4252.1 | 4263.5 |
| 4118.9  | 5°    | 4132.2  | 4153.1  | 4196.9 | 4240.7 | 4292.0 | 4339.6 | 4394.8 | 4434.7 | 4467.1 | 4476.6 |
| 4153.1  | 7.5°  | 4170.3  | 4204.5  | 4278.7 | 4352.9 | 4434.7 | 4512.7 | 4592.6 | 4661.1 | 4716.3 | 4737.2 |
| 4214.0  | 10°   | 4236.9  | 4282.5  | 4387.2 | 4491.8 | 4600.2 | 4720.1 | 4822.8 | 4921.8 | 4999.8 | 5032.1 |
| 4286.3  | 12.5° | 4320.6  | 4377.6  | 4514.6 | 4659.2 | 4809.5 | 4975.0 | 5108.2 | 5230.0 | 5327.0 | 5370.7 |
| 4387.2  | 15°   | 4429.0  | 4503.2  | 4678.2 | 4872.3 | 5093.0 | 5323.2 | 5492.5 | 5627.6 | 5736.0 | 5789.3 |
| 4491.8  | 17.5° | 4547.0  | 4645.9  | 4866.6 | 5159.6 | 5475.4 | 5777.9 | 5975.7 | 6074.7 | 6186.9 | 6238.3 |
| 4588.8  | 20°   | 4661.1  | 4782.9  | 5098.7 | 5524.8 | 5945.3 | 6266.8 | 6426.6 | 6453.3 | 6460.9 | 6466.6 |
| 4680.1  | 22.5° | 4779.1  | 4942.7  | 5389.8 | 5985.3 | 6436.1 | 6658.7 | 6681.6 | 6567.4 | 6407.6 | 6333.4 |
| 4769.6  | 25°   | 4908.4  | 5125.3  | 5770.3 | 6493.2 | 6858.5 | 6885.1 | 6710.1 | 6432.3 | 6129.8 | 5991.0 |
| 4841.9  | 27.5° | 5034.0  | 5336.5  | 6226.9 | 6978.4 | 7162.9 | 6928.9 | 6552.2 | 6158.4 | 5793.1 | 5646.6 |
| 4893.2  | 30°   | 5159.6  | 5578.1  | 6731.0 | 7402.6 | 7301.8 | 6820.4 | 6303.0 | 5863.5 | 5496.3 | 5342.2 |
| 4938.9  | 32.5° | 5287.0  | 5859.7  | 7311.3 | 7708.9 | 7277.0 | 6590.2 | 5992.9 | 5532.5 | 5209.0 | 5047.3 |
| 4978.8  | 35°   | 5431.6  | 6205.9  | 7861.1 | 7876.3 | 7111.5 | 6251.6 | 5583.8 | 5136.7 | 4855.2 | 4725.8 |
| 5026.4  | 37.5° | 5620.0  | 6645.4  | 8346.3 | 7918.2 | 6822.4 | 5755.1 | 5075.9 | 4668.7 | 4436.6 | 4377.6 |
| 5096.8  | 40°   | 5854.0  | 7174.3  | 8717.2 | 7851.6 | 6394.3 | 5152.0 | 4520.3 | 4195.0 | 4063.7 | 4077.0 |
| 5191.9  | 42.5° | 6158.4  | 7766.0  | 8977.9 | 7680.4 | 5798.8 | 4529.8 | 4033.3 | 3888.7 | 3951.5 | 4004.8 |
| 5334.6  | 45°   | 6554.1  | 8380.5  | 9139.6 | 7389.3 | 5125.3 | 4002.9 | 3746.0 | 3780.3 | 3827.8 | 3833.5 |
| 5564.8  | 47.5° | 7060.2  | 9002.6  | 9246.1 | 6949.8 | 4438.5 | 3631.9 | 3563.4 | 3571.0 | 3561.5 | 3521.5 |
| 5909.2  | 50°   | 7691.8  | 9607.6  | 9341.3 | 6367.7 | 3854.5 | 3399.8 | 3308.4 | 3281.8 | 3150.5 | 3021.2 |
| 6367.7  | 52.5° | 8410.9  | 10163.1 | 9381.2 | 5644.7 | 3399.8 | 3205.7 | 3057.3 | 2889.9 | 2644.5 | 2604.5 |
| 6944.1  | 55°   | 9210.0  | 10676.8 | 9278.5 | 4756.2 | 3017.4 | 2956.5 | 2732.0 | 2530.3 | 2503.7 | 2469.4 |
| 7703.2  | 57.5° | 10165.0 | 11230.4 | 9069.2 | 3765.0 | 2625.4 | 2665.4 | 2446.6 | 2469.4 | 2421.9 | 2368.6 |
| 8679.2  | 60°   | 11209.5 | 11803.1 | 8702.0 | 2861.4 | 2220.2 | 2302.0 | 2372.4 | 2370.5 | 2357.2 | 2313.4 |
| 9708.4  | 62.5° | 12149.3 | 12179.8 | 7979.1 | 2191.7 | 1864.4 | 2020.5 | 2212.6 | 2210.7 | 2199.3 | 2174.6 |
| 10783.3 | 65°   | 12708.7 | 12122.7 | 6772.9 | 1725.6 | 1571.5 | 1788.3 | 1995.7 | 2010.9 | 2012.8 | 2010.9 |
| 11591.9 | 67.5° | 12609.7 | 11454.9 | 5117.7 | 1373.6 | 1329.8 | 1552.4 | 1780.7 | 1801.7 | 1816.9 | 1820.7 |
| 11694.6 | 70°   | 11491.1 | 9988.1  | 3337.0 | 1095.8 | 1114.9 | 1345.1 | 1577.2 | 1598.1 | 1611.4 | 1626.6 |
| 10147.9 | 72.5° | 8957.0  | 7343.6  | 1910.1 | 886.6  | 926.5  | 1166.2 | 1375.5 | 1400.2 | 1407.8 | 1436.4 |
| 7062.1  | 75°   | 5458.3  | 4318.7  | 1031.2 | 698.2  | 761.0  | 996.9  | 1175.7 | 1204.3 | 1217.6 | 1251.8 |
| 3468.3  | 77.5° | 2595.0  | 1870.2  | 587.9  | 544.1  | 612.6  | 814.3  | 993.1  | 1025.4 | 989.3  | 1008.3 |
| 957.0   | 80°   | 877.1   | 694.4   | 371.0  | 414.7  | 468.0  | 635.4  | 795.2  | 827.6  | 751.5  | 747.7  |
| 317.7   | 82.5° | 306.3   | 281.6   | 235.9  | 275.9  | 302.5  | 454.7  | 601.2  | 643.0  | 559.3  | 557.4  |
| 142.7   | 85°   | 119.9   | 114.1   | 131.3  | 150.3  | 180.7  | 279.7  | 395.7  | 416.6  | 344.4  | 277.8  |
| 41.9    | 87.5° | 24.7    | 26.6    | 32.3   | 34.2   | 55.2   | 97.0   | 142.7  | 175.0  | 138.9  | 118.0  |
| 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°   |
|--------|
| 4101.8 |
| 4255.9 |
| 4480.4 |
| 4739.1 |
| 5034.0 |
| 5370.7 |
| 5785.5 |
| 6236.4 |
| 6481.8 |
| 6354.3 |
| 6011.9 |
| 5663.7 |
| 5359.3 |
| 5068.3 |
| 4754.3 |
| 4419.5 |
| 4122.7 |
| 4054.2 |
| 3871.6 |
| 3552.0 |
| 3038.3 |
| 2617.8 |
| 2475.1 |
| 2359.1 |
| 2298.2 |
| 2165.0 |
| 2010.9 |
| 1824.5 |
| 1634.2 |
| 1447.8 |
| 1255.6 |
| 993.1  |
| 740.1  |
| 530.8  |
| 274.0  |
| 108.4  |
| 0.0    |