

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: P955371

Luminaire Tested: **GLAN-SB8B-830-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955371  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-830-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40834 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
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

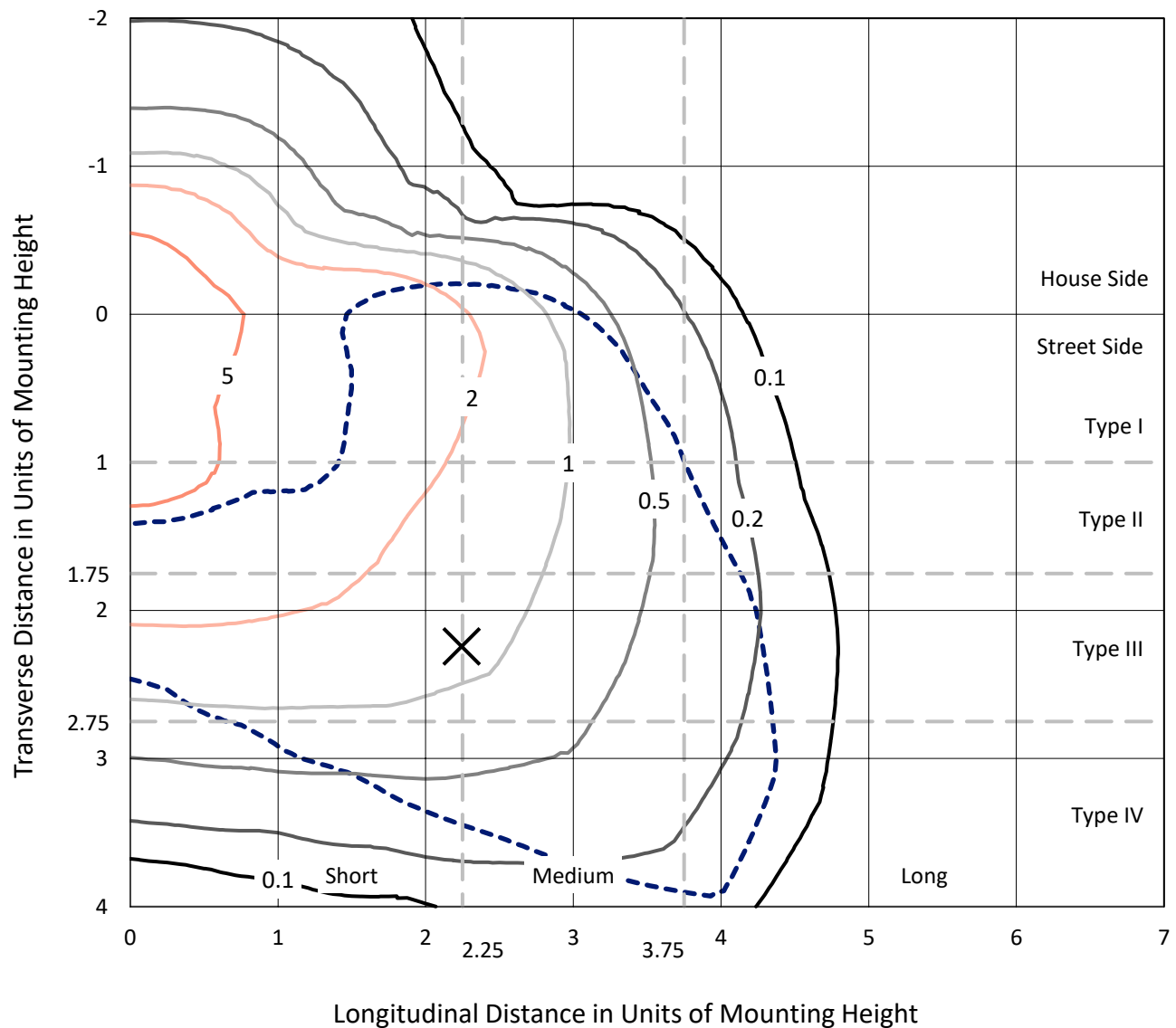


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## Iso-Footcandle Lines of Horizontal Illumination

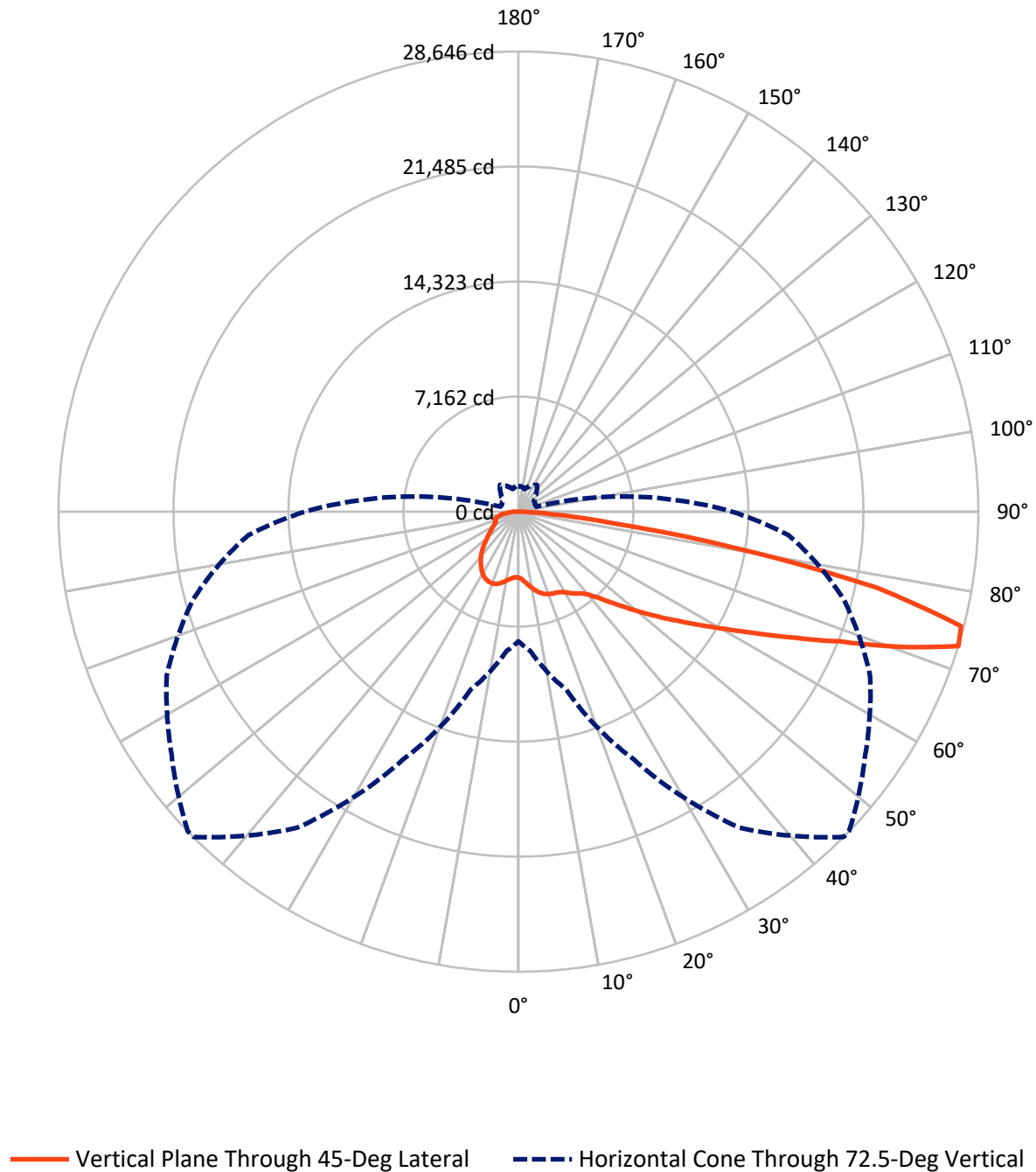
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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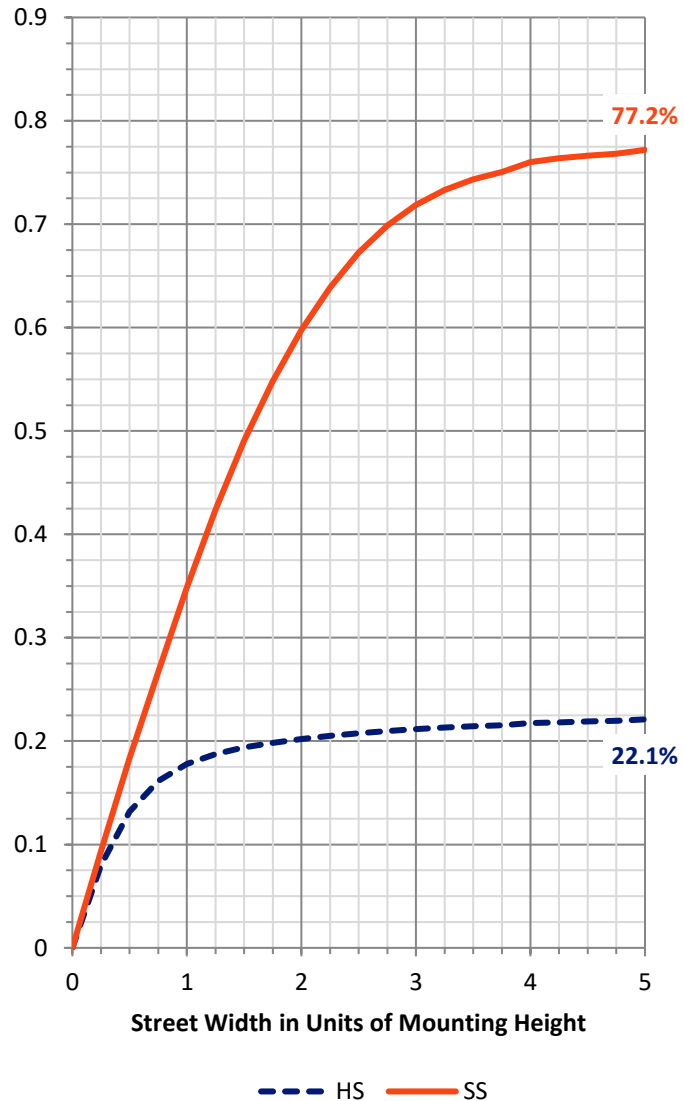
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9231.2   | 0.0    | 9231.2  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 31602.8  | 0.0    | 31602.8 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 40834.0  | 0.0    | 40834.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 419.3   | 1.0       |
| 10°-20°   | 1397.9  | 3.4       |
| 20°-30°   | 2431.7  | 6.0       |
| 30°-40°   | 3486.0  | 8.5       |
| 40°-50°   | 4908.5  | 12.0      |
| 50°-60°   | 7518.4  | 18.4      |
| 60°-70°   | 10891.5 | 26.7      |
| 70°-80°   | 8697.5  | 21.3      |
| 80°-90°   | 1083.2  | 2.7       |
| 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°    | 40834.0 | 100.0     |
| 0°-180°   | 40834.0 | 100.0     |

**Coefficient of Utilization**



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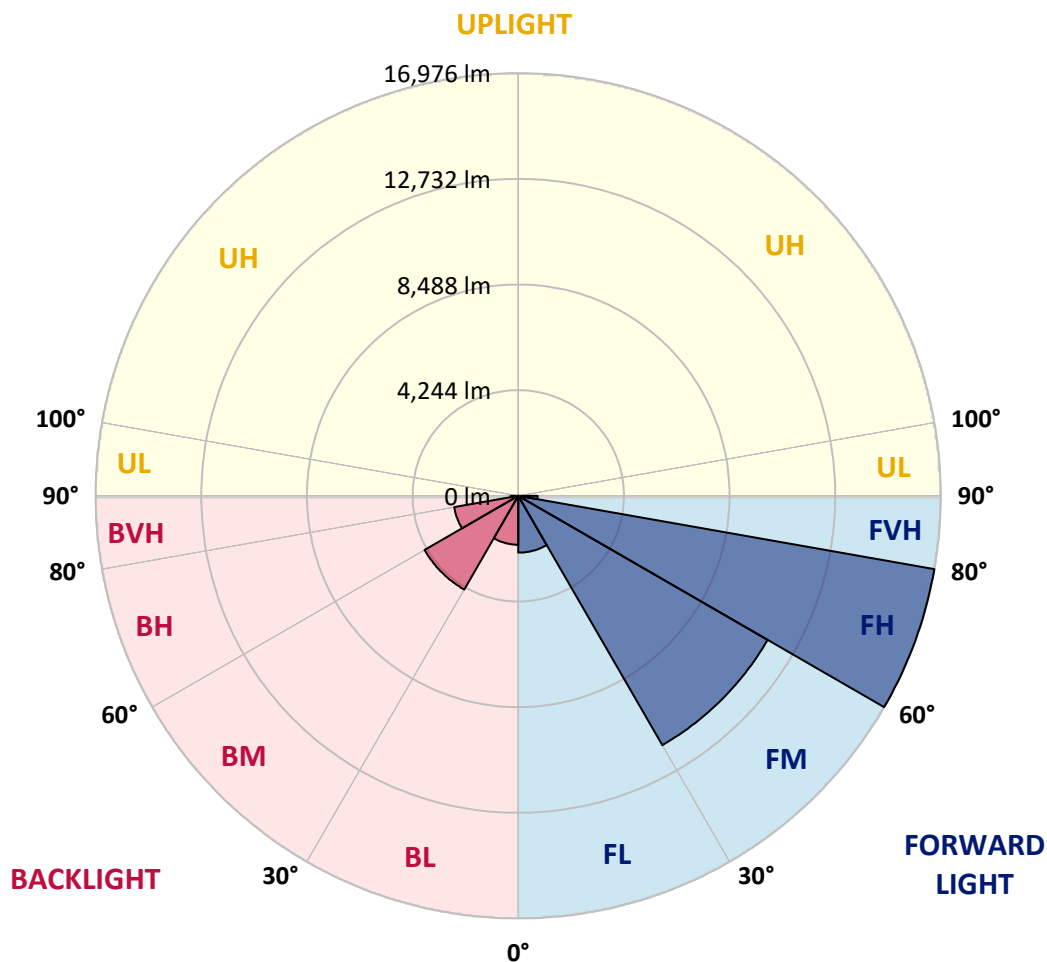
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2283.5  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 11566.3 | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 16975.9 | 41.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 777.1   | 1.9       |                         |      | G5      |
| BL   | (0°-30°)    | 1965.4  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4346.6  | 10.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2613.1  | 6.4       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 306.1   | 0.7       |                         |      | G3/500  |
| 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4119.4  | 4119.4  | 4119.4  | 4119.4  | 4119.4  | 4119.4  | 4119.4  | 4119.4  | 4119.4  | 4119.4  |
| 2.5°  | 4280.7  | 4308.7  | 4282.8  | 4259.2  | 4248.4  | 4220.5  | 4218.3  | 4201.1  | 4190.3  | 4160.2  |
| 5°    | 4579.7  | 4616.3  | 4573.2  | 4525.9  | 4482.9  | 4414.1  | 4405.5  | 4356.0  | 4300.0  | 4235.5  |
| 7.5°  | 4917.4  | 4949.7  | 4900.2  | 4829.2  | 4753.9  | 4639.9  | 4637.8  | 4547.4  | 4459.2  | 4349.5  |
| 10°   | 5212.1  | 5255.1  | 5188.5  | 5091.7  | 4997.0  | 4867.9  | 4852.9  | 4749.6  | 4637.8  | 4495.8  |
| 12.5° | 5472.4  | 5502.5  | 5438.0  | 5319.7  | 5210.0  | 5080.9  | 5061.5  | 4947.5  | 4822.8  | 4661.4  |
| 15°   | 5678.9  | 5717.6  | 5631.6  | 5504.7  | 5388.5  | 5261.6  | 5244.4  | 5141.1  | 5016.4  | 4846.4  |
| 17.5° | 5814.4  | 5846.7  | 5758.5  | 5616.5  | 5504.7  | 5399.3  | 5386.4  | 5300.3  | 5190.6  | 5018.5  |
| 20°   | 5866.0  | 5900.5  | 5808.0  | 5663.8  | 5560.6  | 5478.9  | 5472.4  | 5410.0  | 5334.7  | 5177.7  |
| 22.5° | 5917.7  | 5949.9  | 5829.5  | 5678.9  | 5588.6  | 5536.9  | 5534.8  | 5493.9  | 5463.8  | 5334.7  |
| 25°   | 6126.3  | 6134.9  | 5973.6  | 5756.3  | 5627.3  | 5582.1  | 5580.0  | 5577.8  | 5590.7  | 5489.6  |
| 27.5° | 6307.0  | 6304.9  | 6167.2  | 5962.8  | 5762.8  | 5668.1  | 5666.0  | 5687.5  | 5728.4  | 5644.5  |
| 30°   | 6571.6  | 6547.9  | 6384.5  | 6171.5  | 5988.7  | 5842.4  | 5829.5  | 5810.1  | 5842.4  | 5775.7  |
| 32.5° | 7133.0  | 7057.8  | 6793.2  | 6414.6  | 6175.8  | 6063.9  | 6046.7  | 5926.3  | 5939.2  | 5898.3  |
| 35°   | 7937.6  | 7838.6  | 7485.8  | 6874.9  | 6408.1  | 6248.9  | 6240.3  | 6087.6  | 6061.8  | 6025.2  |
| 37.5° | 8894.8  | 8772.2  | 8361.3  | 7541.8  | 6808.2  | 6464.1  | 6451.1  | 6313.5  | 6208.1  | 6169.4  |
| 40°   | 9856.3  | 9701.5  | 9361.6  | 8354.9  | 7397.6  | 6823.3  | 6782.4  | 6573.8  | 6453.3  | 6388.8  |
| 42.5° | 10789.9 | 10660.8 | 10370.5 | 9266.9  | 8124.7  | 7348.2  | 7257.8  | 6900.7  | 6810.4  | 6750.2  |
| 45°   | 11615.9 | 11499.8 | 11286.8 | 10241.4 | 8976.5  | 8062.3  | 7974.1  | 7391.2  | 7363.2  | 7363.2  |
| 47.5° | 12287.1 | 12261.3 | 12035.4 | 11235.2 | 9981.1  | 8875.4  | 8722.7  | 8073.1  | 8148.4  | 8264.5  |
| 50°   | 13031.4 | 12960.4 | 12719.5 | 12213.9 | 11162.1 | 9806.9  | 9682.1  | 8909.9  | 9191.6  | 9510.0  |
| 52.5° | 13715.4 | 13754.1 | 13485.2 | 13233.6 | 12495.7 | 10845.8 | 10626.4 | 9897.2  | 10506.0 | 11033.0 |
| 55°   | 14418.8 | 14421.0 | 14345.7 | 14311.3 | 13894.0 | 11994.5 | 11753.6 | 11084.6 | 12052.6 | 12706.5 |
| 57.5° | 15079.2 | 15083.5 | 15195.4 | 15498.7 | 15515.9 | 13319.6 | 13046.4 | 12543.1 | 13771.3 | 14438.2 |
| 60°   | 15668.6 | 15698.7 | 16004.2 | 16714.0 | 16942.1 | 14838.3 | 14580.2 | 14266.1 | 15548.1 | 16219.3 |
| 62.5° | 15866.5 | 15976.2 | 16656.0 | 17664.8 | 18351.0 | 16701.1 | 16447.3 | 16260.2 | 17415.3 | 18039.1 |
| 65°   | 15530.9 | 15782.6 | 17096.9 | 18450.0 | 19800.9 | 18914.6 | 18662.9 | 18458.6 | 19355.6 | 19942.8 |
| 67.5° | 14707.1 | 15031.9 | 17071.1 | 19273.9 | 21560.5 | 21577.7 | 21343.2 | 20863.5 | 21435.7 | 21661.6 |
| 70°   | 12536.6 | 13022.8 | 15567.5 | 19581.5 | 23580.4 | 25219.5 | 24993.6 | 23758.9 | 23511.5 | 22418.8 |
| 72.5° | 8077.4  | 8731.3  | 11463.2 | 17049.6 | 24029.9 | 28646.2 | 28633.3 | 26372.5 | 24167.6 | 20947.4 |
| 75°   | 2947.0  | 3347.1  | 5326.1  | 10701.7 | 20170.9 | 28472.0 | 28555.8 | 25925.1 | 22061.7 | 16180.6 |
| 77.5° | 1073.4  | 1174.5  | 1738.1  | 4112.9  | 12405.4 | 22844.7 | 23018.9 | 20725.8 | 15703.0 | 8120.4  |
| 80°   | 563.6   | 619.5   | 890.6   | 1596.1  | 5315.4  | 13567.0 | 13840.2 | 12317.2 | 7380.4  | 2445.8  |
| 82.5° | 311.9   | 337.7   | 499.1   | 866.9   | 2394.2  | 5801.5  | 5965.0  | 4865.8  | 2596.4  | 1036.8  |
| 85°   | 167.8   | 178.5   | 234.5   | 473.2   | 1170.2  | 2011.3  | 2056.5  | 1454.1  | 1034.7  | 608.8   |
| 87.5° | 49.5    | 60.2    | 77.4    | 150.6   | 458.2   | 451.7   | 462.5   | 288.2   | 408.7   | 307.6   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4119.4  | 0°    | 4119.4  | 4119.4  | 4119.4 | 4119.4 | 4119.4 | 4119.4 | 4119.4 | 4119.4 | 4119.4 | 4119.4 |
| 4151.6  | 2.5°  | 4138.7  | 4132.3  | 4108.6 | 4097.8 | 4084.9 | 4082.8 | 4093.5 | 4095.7 | 4097.8 | 4100.0 |
| 4198.9  | 5°    | 4177.4  | 4155.9  | 4134.4 | 4121.5 | 4125.8 | 4128.0 | 4149.5 | 4164.5 | 4175.3 | 4183.9 |
| 4287.1  | 7.5°  | 4252.7  | 4235.5  | 4198.9 | 4196.8 | 4203.2 | 4222.6 | 4250.6 | 4285.0 | 4304.4 | 4319.4 |
| 4401.1  | 10°   | 4364.6  | 4332.3  | 4289.3 | 4295.7 | 4308.7 | 4336.6 | 4394.7 | 4422.7 | 4454.9 | 4482.9 |
| 4541.0  | 12.5° | 4478.6  | 4450.6  | 4401.1 | 4405.5 | 4427.0 | 4476.4 | 4532.4 | 4566.8 | 4588.3 | 4609.8 |
| 4691.5  | 15°   | 4627.0  | 4577.5  | 4523.8 | 4523.8 | 4562.5 | 4616.3 | 4642.1 | 4670.0 | 4682.9 | 4706.6 |
| 4852.9  | 17.5° | 4779.7  | 4715.2  | 4644.2 | 4639.9 | 4687.2 | 4713.1 | 4728.1 | 4732.4 | 4736.7 | 4762.5 |
| 5009.9  | 20°   | 4932.5  | 4861.5  | 4760.4 | 4751.8 | 4762.5 | 4758.2 | 4756.1 | 4751.8 | 4758.2 | 4790.5 |
| 5171.2  | 22.5° | 5083.0  | 5001.3  | 4861.5 | 4822.8 | 4792.7 | 4751.8 | 4749.6 | 4747.5 | 4751.8 | 4784.0 |
| 5345.5  | 25°   | 5259.4  | 5160.5  | 4973.3 | 4857.2 | 4756.1 | 4700.2 | 4706.6 | 4708.8 | 4713.1 | 4738.9 |
| 5526.2  | 27.5° | 5450.9  | 5341.2  | 5076.6 | 4846.4 | 4663.6 | 4624.9 | 4614.1 | 4620.6 | 4635.6 | 4676.5 |
| 5706.9  | 30°   | 5642.3  | 5513.3  | 5171.2 | 4803.4 | 4547.4 | 4493.6 | 4459.2 | 4474.3 | 4521.6 | 4562.5 |
| 5863.9  | 32.5° | 5816.6  | 5687.5  | 5246.5 | 4708.8 | 4399.0 | 4315.1 | 4269.9 | 4289.3 | 4336.6 | 4351.7 |
| 6038.1  | 35°   | 6020.9  | 5874.7  | 5278.8 | 4558.2 | 4237.7 | 4108.6 | 4048.4 | 4020.4 | 4044.1 | 4029.0 |
| 6242.5  | 37.5° | 6248.9  | 6096.2  | 5274.5 | 4360.3 | 4048.4 | 3899.9 | 3816.1 | 3710.6 | 3661.2 | 3609.5 |
| 6543.6  | 40°   | 6586.7  | 6367.3  | 5222.9 | 4121.5 | 3813.9 | 3678.4 | 3527.8 | 3349.3 | 3237.4 | 3136.3 |
| 7029.8  | 42.5° | 7047.0  | 6743.7  | 5128.2 | 3859.1 | 3549.3 | 3422.4 | 3218.0 | 3009.4 | 2833.0 | 2665.2 |
| 7767.6  | 45°   | 7733.2  | 7236.3  | 5009.9 | 3579.4 | 3263.2 | 3138.5 | 2916.9 | 2682.4 | 2482.4 | 2267.3 |
| 8815.2  | 47.5° | 8722.7  | 7898.8  | 4898.1 | 3261.1 | 2962.1 | 2848.1 | 2648.0 | 2430.7 | 2194.1 | 1985.5 |
| 10329.6 | 50°   | 10082.2 | 8849.6  | 4794.8 | 2951.3 | 2665.2 | 2579.2 | 2420.0 | 2198.4 | 1959.7 | 1791.9 |
| 12104.2 | 52.5° | 11811.7 | 10142.4 | 4751.8 | 2652.3 | 2387.7 | 2355.5 | 2228.5 | 2022.0 | 1796.2 | 1654.2 |
| 14173.6 | 55°   | 13797.2 | 11689.1 | 4751.8 | 2366.2 | 2144.6 | 2155.4 | 2067.2 | 1875.8 | 1680.0 | 1553.1 |
| 16307.5 | 57.5° | 15823.5 | 13255.1 | 4665.7 | 2101.6 | 1938.1 | 1983.3 | 1927.4 | 1759.6 | 1583.2 | 1452.0 |
| 18551.1 | 60°   | 17690.6 | 14567.2 | 4317.3 | 1860.7 | 1755.3 | 1826.3 | 1789.7 | 1645.6 | 1430.5 | 1320.8 |
| 20426.8 | 62.5° | 19125.4 | 15307.2 | 3646.1 | 1669.3 | 1604.7 | 1686.5 | 1667.1 | 1495.0 | 1402.5 | 1357.3 |
| 21967.0 | 65°   | 19843.9 | 15186.8 | 2787.8 | 1499.3 | 1477.8 | 1604.7 | 1563.8 | 1557.4 | 1484.3 | 1432.6 |
| 22468.2 | 67.5° | 19402.9 | 14149.9 | 2022.0 | 1374.6 | 1404.7 | 1529.4 | 1686.5 | 1712.3 | 1576.8 | 1475.7 |
| 21057.1 | 70°   | 17469.1 | 12274.2 | 1505.8 | 1256.2 | 1312.2 | 1531.6 | 1923.1 | 1791.9 | 1546.6 | 1428.3 |
| 16888.3 | 72.5° | 13289.5 | 9152.9  | 1168.0 | 1131.5 | 1191.7 | 1542.3 | 2028.5 | 1755.3 | 1460.6 | 1578.9 |
| 10521.0 | 75°   | 7599.8  | 5025.0  | 937.9  | 978.8  | 1041.1 | 1441.2 | 1974.7 | 1660.6 | 1393.9 | 1449.8 |
| 4168.8  | 77.5° | 2897.5  | 1931.7  | 774.4  | 828.2  | 836.8  | 1258.4 | 1888.7 | 1654.2 | 1327.2 | 1295.0 |
| 1249.8  | 80°   | 1004.6  | 755.0   | 641.0  | 658.2  | 647.5  | 1118.6 | 1811.2 | 1439.1 | 1086.3 | 972.3  |
| 516.3   | 82.5° | 410.9   | 376.4   | 507.7  | 486.1  | 460.3  | 869.0  | 1462.7 | 1176.7 | 888.4  | 785.2  |
| 249.5   | 85°   | 178.5   | 238.8   | 335.6  | 294.7  | 266.7  | 602.3  | 1172.3 | 996.0  | 750.7  | 647.5  |
| 81.7    | 87.5° | 36.6    | 90.3    | 142.0  | 133.4  | 137.7  | 402.3  | 832.5  | 707.7  | 531.3  | 398.0  |
| 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°   |
|--------|
| 4119.4 |
| 4108.6 |
| 4188.2 |
| 4323.7 |
| 4476.4 |
| 4618.4 |
| 4715.2 |
| 4771.1 |
| 4803.4 |
| 4805.6 |
| 4773.3 |
| 4717.4 |
| 4607.7 |
| 4405.5 |
| 4076.3 |
| 3641.8 |
| 3142.8 |
| 2650.2 |
| 2241.4 |
| 1961.8 |
| 1781.1 |
| 1643.4 |
| 1540.2 |
| 1430.5 |
| 1303.6 |
| 1342.3 |
| 1415.4 |
| 1458.4 |
| 1409.0 |
| 1566.0 |
| 1449.8 |
| 1181.0 |
| 940.0  |
| 776.5  |
| 645.3  |
| 311.9  |
| 0.0    |