

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: P944322

Luminaire Tested: **GLAN-SB9B-722-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944322  
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-SB9B-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 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: 42000 lumens  
Efficiency: N/A  
Efficacy: 127.5 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): 329.5  
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

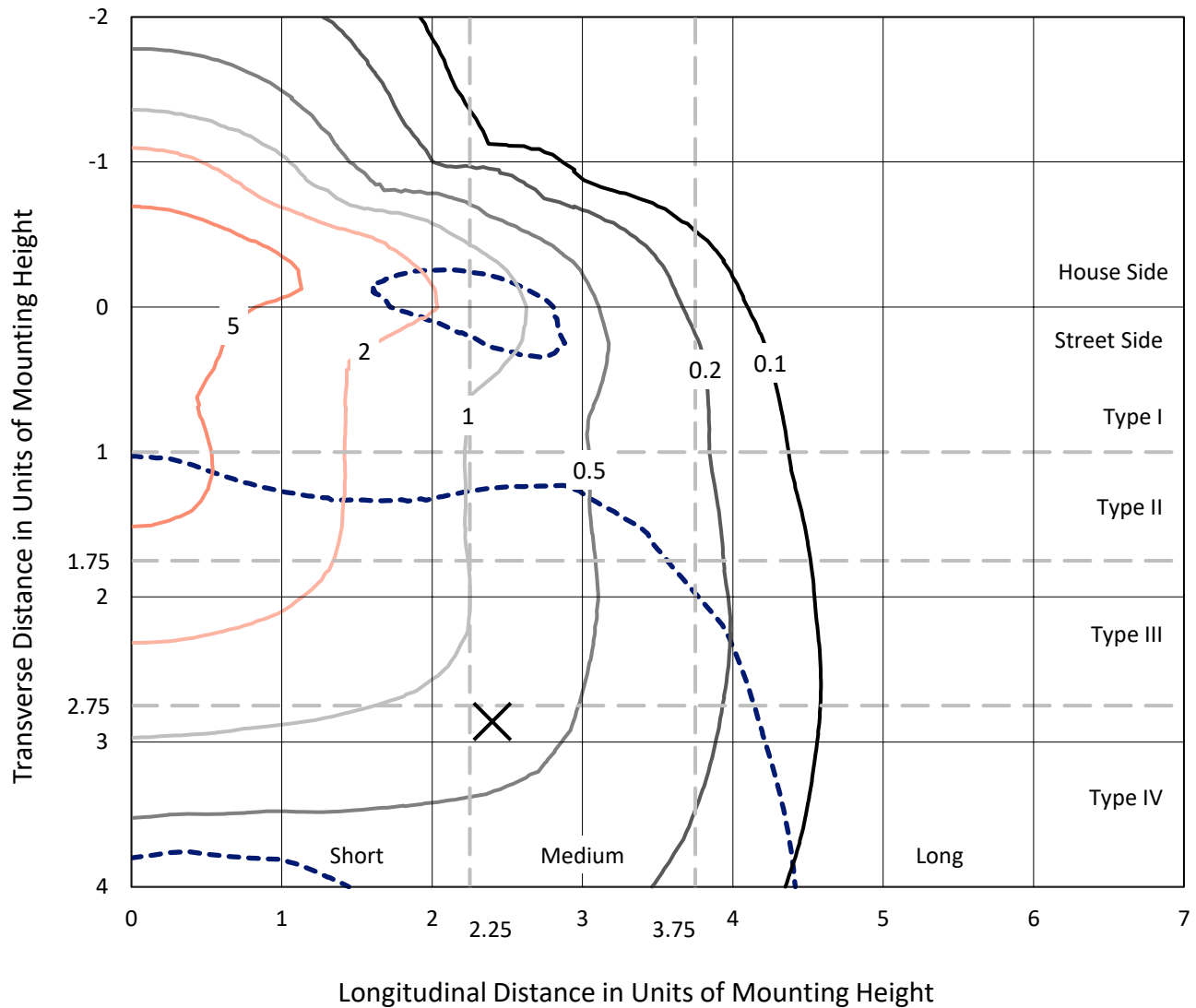


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
--- 1/2 Max cd

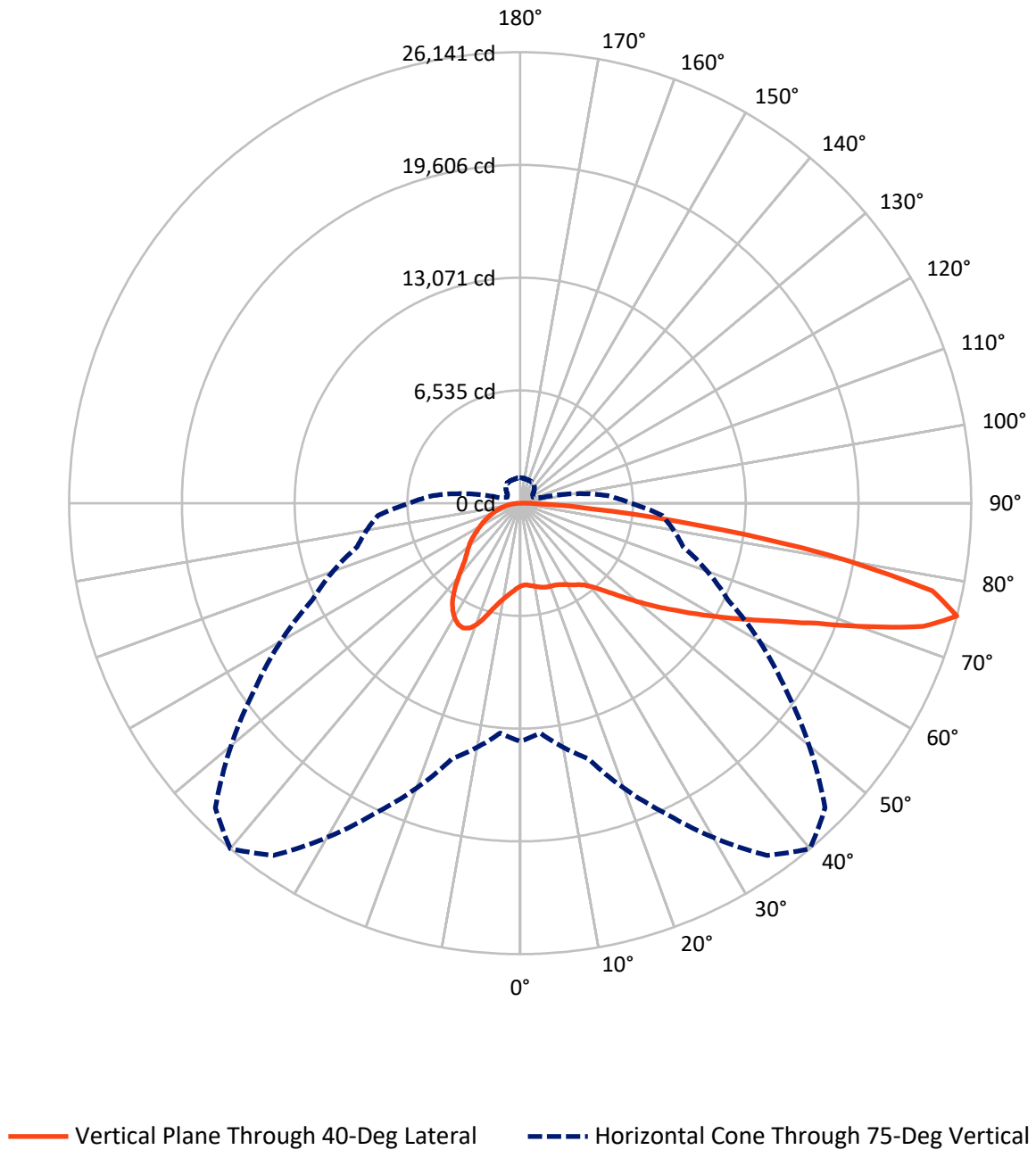


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13013.0  | 0.0    | 13013.0 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 28987.0  | 0.0    | 28987.0 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 42000.0  | 0.0    | 42000.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 479.4   | 1.1       |
| 10°-20°   | 1609.6  | 3.8       |
| 20°-30°   | 2939.0  | 7.0       |
| 30°-40°   | 4168.3  | 9.9       |
| 40°-50°   | 5628.4  | 13.4      |
| 50°-60°   | 7571.7  | 18.0      |
| 60°-70°   | 9610.3  | 22.9      |
| 70°-80°   | 8721.9  | 20.8      |
| 80°-90°   | 1271.4  | 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°    | 42000.0 | 100.0     |
| 0°-180°   | 42000.0 | 100.0     |

**Coefficient of Utilization**



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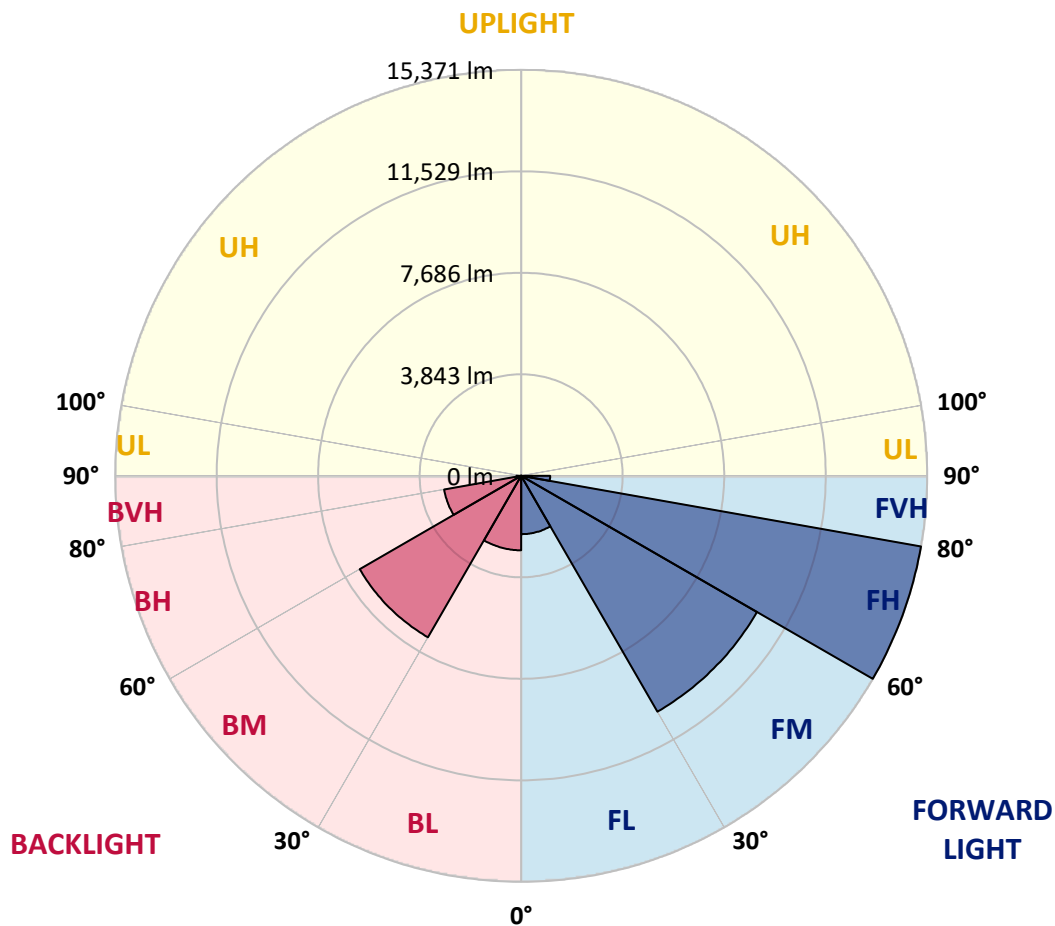
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2209.2  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 10310.1 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 15371.4 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 1096.3  | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 2818.7  | 6.7       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7058.4  | 16.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2960.8  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 175.0   | 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°    | 4802.8  | 4802.8  | 4802.8  | 4802.8  | 4802.8  | 4802.8  | 4802.8  | 4802.8  | 4802.8  | 4802.8  |
| 2.5°  | 4729.2  | 4756.0  | 4749.3  | 4740.4  | 4740.4  | 4742.6  | 4740.4  | 4756.0  | 4771.6  | 4787.2  |
| 5°    | 4778.3  | 4805.0  | 4791.6  | 4780.5  | 4771.6  | 4769.3  | 4762.7  | 4760.4  | 4769.3  | 4789.4  |
| 7.5°  | 4874.0  | 4900.8  | 4880.7  | 4860.7  | 4842.9  | 4833.9  | 4825.0  | 4811.7  | 4805.0  | 4816.1  |
| 10°   | 4981.0  | 5007.7  | 4983.2  | 4947.6  | 4918.6  | 4907.5  | 4898.5  | 4885.2  | 4876.3  | 4883.0  |
| 12.5° | 5087.9  | 5114.6  | 5081.2  | 5032.2  | 4994.3  | 4987.6  | 4976.5  | 4972.1  | 4969.8  | 4967.6  |
| 15°   | 5188.1  | 5210.4  | 5168.1  | 5110.2  | 5070.1  | 5058.9  | 5047.8  | 5054.5  | 5065.6  | 5079.0  |
| 17.5° | 5266.1  | 5288.4  | 5226.0  | 5150.3  | 5112.4  | 5107.9  | 5101.3  | 5123.5  | 5154.7  | 5188.1  |
| 20°   | 5337.4  | 5359.7  | 5279.5  | 5177.0  | 5132.4  | 5132.4  | 5134.7  | 5181.5  | 5226.0  | 5275.0  |
| 22.5° | 5437.6  | 5455.4  | 5357.4  | 5217.1  | 5152.5  | 5156.9  | 5174.8  | 5221.5  | 5277.2  | 5344.1  |
| 25°   | 5586.9  | 5600.2  | 5480.0  | 5292.8  | 5219.3  | 5232.7  | 5248.3  | 5270.6  | 5324.0  | 5402.0  |
| 27.5° | 5827.5  | 5838.6  | 5680.4  | 5426.5  | 5315.1  | 5337.4  | 5359.7  | 5344.1  | 5368.6  | 5435.4  |
| 30°   | 6166.1  | 6172.7  | 5972.3  | 5635.9  | 5477.7  | 5488.9  | 5493.3  | 5428.7  | 5381.9  | 5435.4  |
| 32.5° | 6567.0  | 6564.8  | 6326.5  | 5889.8  | 5662.6  | 5651.5  | 5613.6  | 5486.6  | 5377.5  | 5424.3  |
| 35°   | 7188.5  | 7164.0  | 6856.6  | 6246.3  | 5872.0  | 5803.0  | 5713.9  | 5551.2  | 5399.8  | 5413.1  |
| 37.5° | 8217.7  | 8142.0  | 7716.5  | 6829.9  | 6183.9  | 6007.9  | 5876.5  | 5655.9  | 5448.8  | 5408.7  |
| 40°   | 9378.3  | 9282.5  | 8814.7  | 7629.6  | 6651.7  | 6368.8  | 6157.2  | 5805.2  | 5529.0  | 5428.7  |
| 42.5° | 10755.0 | 10619.1 | 10115.6 | 8571.9  | 7244.2  | 6834.3  | 6515.8  | 5994.5  | 5647.0  | 5493.3  |
| 45°   | 12445.7 | 12265.3 | 11552.5 | 9634.5  | 7990.5  | 7444.7  | 7019.2  | 6281.9  | 5827.5  | 5618.1  |
| 47.5° | 14154.3 | 14198.9 | 13185.3 | 10850.8 | 8886.0  | 8197.7  | 7649.7  | 6714.1  | 6090.3  | 5818.6  |
| 50°   | 15969.8 | 16001.0 | 14809.2 | 12198.5 | 9901.8  | 9048.6  | 8358.0  | 7197.5  | 6455.7  | 6103.7  |
| 52.5° | 17386.6 | 17391.1 | 16283.9 | 13608.6 | 10959.9 | 9984.2  | 9122.1  | 7749.9  | 6878.9  | 6482.4  |
| 55°   | 18273.2 | 18262.1 | 17317.5 | 14942.9 | 12176.2 | 10966.6 | 9968.6  | 8378.1  | 7395.7  | 6927.9  |
| 57.5° | 18917.0 | 18883.6 | 18030.4 | 16090.1 | 13472.7 | 12127.2 | 10926.5 | 9090.9  | 8006.1  | 7458.1  |
| 60°   | 19162.0 | 19142.0 | 18513.8 | 17081.4 | 14836.0 | 13410.3 | 12031.4 | 9888.4  | 8698.9  | 8084.0  |
| 62.5° | 19255.6 | 19293.4 | 18988.3 | 18041.5 | 16295.1 | 14831.5 | 13245.4 | 10841.8 | 9478.5  | 8792.4  |
| 65°   | 19585.3 | 19654.3 | 19591.9 | 19297.9 | 17943.5 | 16495.6 | 14856.0 | 11975.7 | 10329.5 | 9552.0  |
| 67.5° | 20238.0 | 20307.0 | 20333.7 | 20801.5 | 19957.3 | 18569.5 | 16865.3 | 13388.0 | 11325.2 | 10340.6 |
| 70°   | 20222.4 | 20202.3 | 20674.6 | 21997.8 | 22478.9 | 21440.9 | 19574.1 | 15125.6 | 12512.6 | 10995.5 |
| 72.5° | 18406.9 | 18246.5 | 19362.5 | 21984.4 | 24577.4 | 24439.3 | 22882.1 | 17366.6 | 13537.3 | 11075.7 |
| 75°   | 13809.0 | 13381.3 | 15352.8 | 19812.5 | 24927.1 | 26141.2 | 24985.0 | 18756.6 | 13294.5 | 9785.9  |
| 77.5° | 5905.4  | 5475.5  | 7798.9  | 14666.7 | 22309.6 | 24437.0 | 23055.9 | 16364.1 | 10612.4 | 6471.2  |
| 80°   | 1546.0  | 1543.7  | 2356.8  | 6649.5  | 15172.3 | 18046.0 | 15831.7 | 10567.8 | 6063.6  | 2312.3  |
| 82.5° | 639.3   | 623.7   | 866.5   | 2586.3  | 7413.5  | 10126.8 | 8264.5  | 4713.7  | 2189.8  | 626.0   |
| 85°   | 238.4   | 236.1   | 421.0   | 893.3   | 2615.2  | 4176.8  | 3022.9  | 1205.1  | 545.8   | 305.2   |
| 87.5° | 66.8    | 64.6    | 91.3    | 309.6   | 637.1   | 966.8   | 516.8   | 198.3   | 153.7   | 120.3   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4802.8  | 0°    | 4802.8  | 4802.8  | 4802.8  | 4802.8 | 4802.8 | 4802.8 | 4802.8 | 4802.8 | 4802.8 | 4802.8 |
| 4811.7  | 2.5°  | 4818.3  | 4829.5  | 4849.5  | 4865.1 | 4885.2 | 4907.5 | 4938.6 | 4958.7 | 4978.7 | 4992.1 |
| 4822.8  | 5°    | 4838.4  | 4862.9  | 4914.1  | 4965.4 | 5025.5 | 5081.2 | 5145.8 | 5192.6 | 5230.5 | 5241.6 |
| 4862.9  | 7.5°  | 4883.0  | 4923.0  | 5009.9  | 5096.8 | 5192.6 | 5283.9 | 5377.5 | 5457.7 | 5522.3 | 5546.8 |
| 4934.2  | 10°   | 4960.9  | 5014.4  | 5136.9  | 5259.4 | 5386.4 | 5526.7 | 5647.0 | 5762.9 | 5854.2 | 5892.1 |
| 5018.8  | 12.5° | 5058.9  | 5125.8  | 5286.2  | 5455.4 | 5631.4 | 5825.2 | 5981.2 | 6123.7 | 6237.3 | 6288.6 |
| 5136.9  | 15°   | 5185.9  | 5272.8  | 5477.7  | 5704.9 | 5963.3 | 6232.9 | 6431.1 | 6589.3 | 6716.3 | 6778.7 |
| 5259.4  | 17.5° | 5324.0  | 5439.9  | 5698.3  | 6041.3 | 6411.1 | 6765.3 | 6997.0 | 7112.8 | 7244.2 | 7304.4 |
| 5373.0  | 20°   | 5457.7  | 5600.2  | 5970.0  | 6469.0 | 6961.3 | 7337.8 | 7524.9 | 7556.1 | 7565.0 | 7571.7 |
| 5480.0  | 22.5° | 5595.8  | 5787.4  | 6310.9  | 7008.1 | 7536.0 | 7796.7 | 7823.4 | 7689.8 | 7502.6 | 7415.8 |
| 5584.7  | 25°   | 5747.3  | 6001.2  | 6756.4  | 7602.9 | 8030.6 | 8061.8 | 7856.8 | 7531.6 | 7177.4 | 7014.8 |
| 5669.3  | 27.5° | 5894.3  | 6248.5  | 7291.0  | 8170.9 | 8387.0 | 8113.0 | 7671.9 | 7210.8 | 6783.1 | 6611.6 |
| 5729.4  | 30°   | 6041.3  | 6531.4  | 7881.3  | 8667.7 | 8549.6 | 7986.0 | 7380.1 | 6865.5 | 6435.6 | 6255.2 |
| 5782.9  | 32.5° | 6190.6  | 6861.1  | 8560.8  | 9026.3 | 8520.7 | 7716.5 | 7017.0 | 6477.9 | 6099.2 | 5909.9 |
| 5829.7  | 35°   | 6359.9  | 7266.5  | 9204.5  | 9222.4 | 8326.9 | 7320.0 | 6538.1 | 6014.6 | 5684.9 | 5533.4 |
| 5885.4  | 37.5° | 6580.4  | 7781.1  | 9772.6  | 9271.4 | 7988.3 | 6738.6 | 5943.3 | 5466.6 | 5194.8 | 5125.8 |
| 5967.8  | 40°   | 6854.4  | 8400.4  | 10207.0 | 9193.4 | 7487.0 | 6032.4 | 5292.8 | 4911.9 | 4758.2 | 4773.8 |
| 6079.2  | 42.5° | 7210.8  | 9093.2  | 10512.2 | 8992.9 | 6789.8 | 5304.0 | 4722.6 | 4553.3 | 4626.8 | 4689.1 |
| 6246.3  | 45°   | 7674.2  | 9812.7  | 10701.5 | 8652.1 | 6001.2 | 4686.9 | 4386.2 | 4426.3 | 4482.0 | 4488.7 |
| 6515.8  | 47.5° | 8266.7  | 10541.1 | 10826.2 | 8137.5 | 5197.0 | 4252.5 | 4172.3 | 4181.2 | 4170.1 | 4123.3 |
| 6919.0  | 50°   | 9006.3  | 11249.5 | 10937.6 | 7455.9 | 4513.2 | 3980.8 | 3873.8 | 3842.7 | 3688.9 | 3537.5 |
| 7455.9  | 52.5° | 9848.3  | 11900.0 | 10984.4 | 6609.4 | 3980.8 | 3753.5 | 3579.8 | 3383.8 | 3096.4 | 3049.6 |
| 8130.8  | 55°   | 10783.9 | 12501.4 | 10864.1 | 5569.1 | 3533.0 | 3461.7 | 3198.9 | 2962.7 | 2931.6 | 2891.5 |
| 9019.6  | 57.5° | 11902.2 | 13149.7 | 10619.1 | 4408.5 | 3074.1 | 3120.9 | 2864.7 | 2891.5 | 2835.8 | 2773.4 |
| 10162.4 | 60°   | 13125.2 | 13820.2 | 10189.1 | 3350.3 | 2599.6 | 2695.4 | 2777.8 | 2775.6 | 2760.0 | 2708.8 |
| 11367.6 | 62.5° | 14225.6 | 14261.2 | 9342.7  | 2566.2 | 2183.1 | 2365.7 | 2590.7 | 2588.5 | 2575.1 | 2546.2 |
| 12626.2 | 65°   | 14880.5 | 14194.4 | 7930.3  | 2020.5 | 1840.0 | 2094.0 | 2336.8 | 2354.6 | 2356.8 | 2354.6 |
| 13572.9 | 67.5° | 14764.7 | 13412.5 | 5992.3  | 1608.3 | 1557.1 | 1817.7 | 2085.1 | 2109.6 | 2127.4 | 2131.8 |
| 13693.2 | 70°   | 13454.8 | 11695.0 | 3907.3  | 1283.1 | 1305.4 | 1574.9 | 1846.7 | 1871.2 | 1886.8 | 1904.6 |
| 11882.1 | 72.5° | 10487.7 | 8598.6  | 2236.5  | 1038.1 | 1084.9 | 1365.5 | 1610.6 | 1639.5 | 1648.4 | 1681.9 |
| 8268.9  | 75°   | 6391.1  | 5056.7  | 1207.4  | 817.5  | 891.0  | 1167.3 | 1376.7 | 1410.1 | 1425.7 | 1465.8 |
| 4061.0  | 77.5° | 3038.5  | 2189.8  | 688.3   | 637.1  | 717.3  | 953.4  | 1162.8 | 1200.7 | 1158.4 | 1180.6 |
| 1120.5  | 80°   | 1026.9  | 813.1   | 434.4   | 485.6  | 548.0  | 744.0  | 931.1  | 969.0  | 879.9  | 875.5  |
| 372.0   | 82.5° | 358.6   | 329.7   | 276.2   | 323.0  | 354.2  | 532.4  | 703.9  | 752.9  | 654.9  | 652.7  |
| 167.1   | 85°   | 140.3   | 133.7   | 153.7   | 176.0  | 211.6  | 327.5  | 463.3  | 487.8  | 403.2  | 325.2  |
| 49.0    | 87.5° | 29.0    | 31.2    | 37.9    | 40.1   | 64.6   | 113.6  | 167.1  | 204.9  | 162.6  | 138.1  |
| 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°   |
|--------|
| 4802.8 |
| 4983.2 |
| 5246.1 |
| 5549.0 |
| 5894.3 |
| 6288.6 |
| 6774.2 |
| 7302.1 |
| 7589.5 |
| 7440.3 |
| 7039.3 |
| 6631.6 |
| 6275.2 |
| 5934.4 |
| 5566.8 |
| 5174.8 |
| 4827.3 |
| 4747.1 |
| 4533.2 |
| 4159.0 |
| 3557.5 |
| 3065.2 |
| 2898.1 |
| 2762.3 |
| 2691.0 |
| 2535.0 |
| 2354.6 |
| 2136.3 |
| 1913.5 |
| 1695.2 |
| 1470.2 |
| 1162.8 |
| 866.5  |
| 621.5  |
| 320.8  |
| 127.0  |
| 0.0    |

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