

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: P944588

Luminaire Tested: **GLAN-SB9C-835-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944588  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 47905 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 449.8  
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



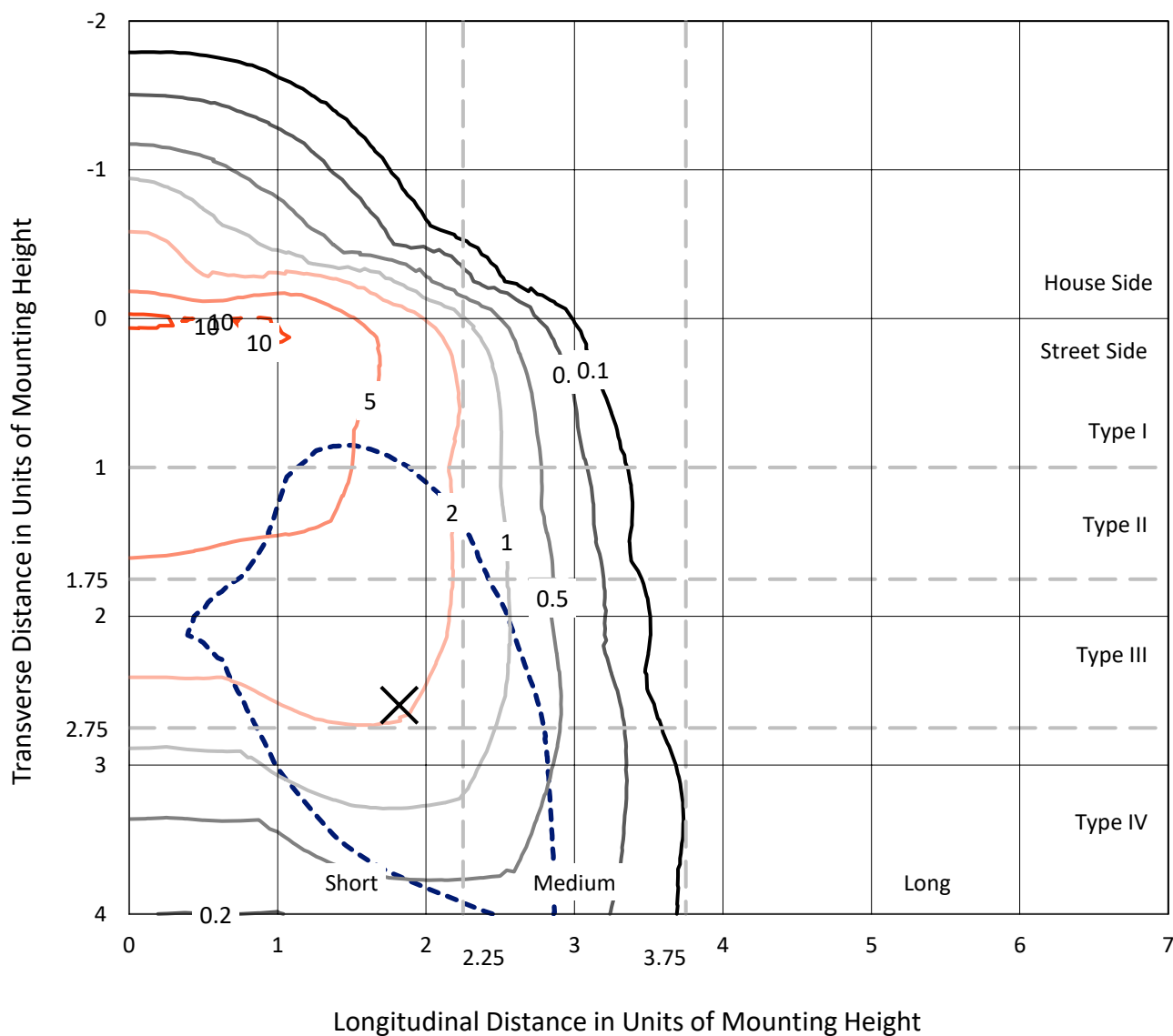
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

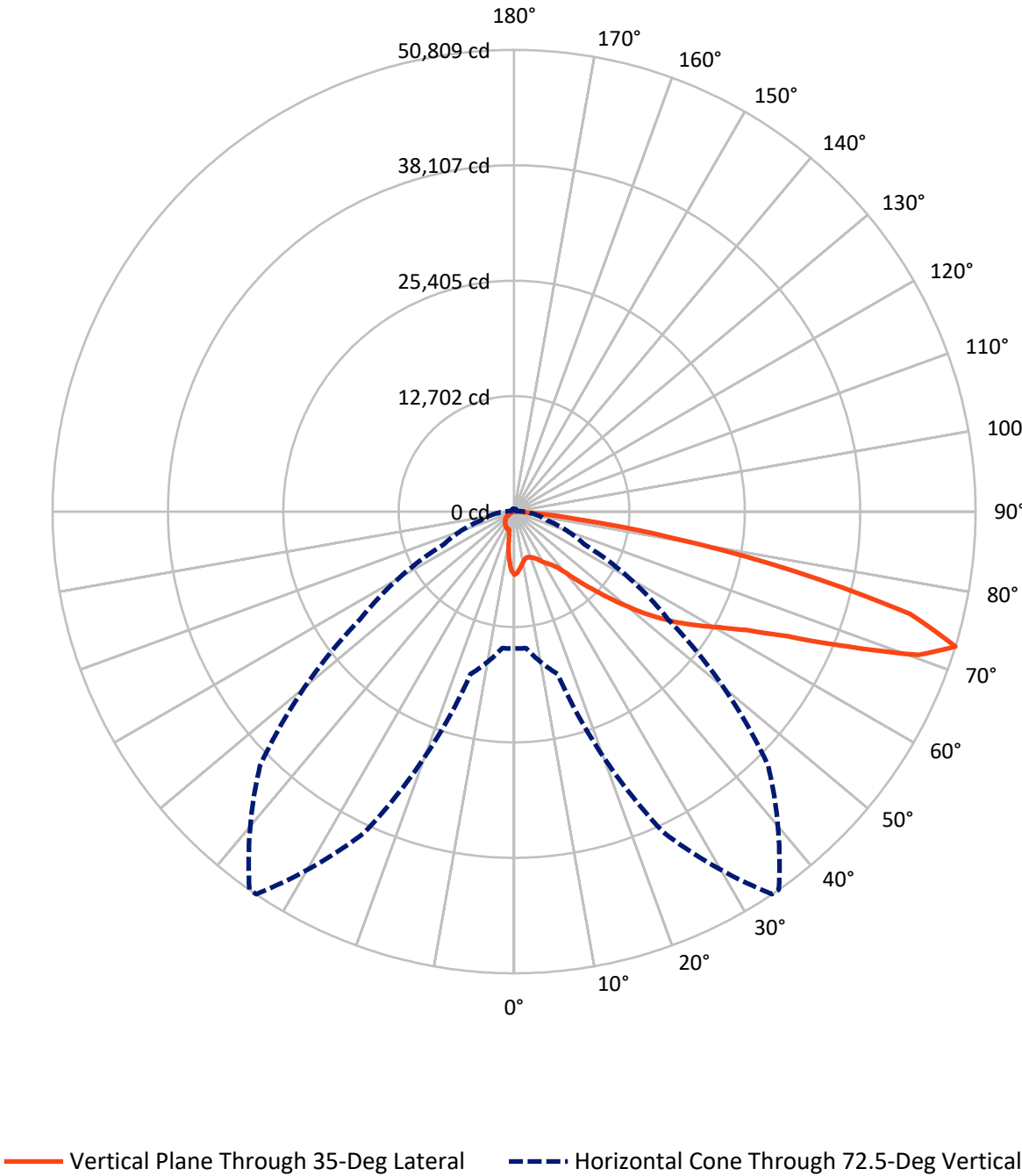


Based on 25 foot mounting height. Maximum calculated value = 11.1 fc

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    | 5391.5   | 0.0    | 5391.5  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 42513.5  | 0.0    | 42513.5 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 47905.0  | 0.0    | 47905.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 570.5   | 1.2       |
| 10°-20°   | 1334.7  | 2.8       |
| 20°-30°   | 2168.2  | 4.5       |
| 30°-40°   | 3617.6  | 7.6       |
| 40°-50°   | 6844.6  | 14.3      |
| 50°-60°   | 10876.0 | 22.7      |
| 60°-70°   | 13454.3 | 28.1      |
| 70°-80°   | 8363.3  | 17.5      |
| 80°-90°   | 675.9   | 1.4       |
| 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°    | 47905.0 | 100.0     |
| 0°-180°   | 47905.0 | 100.0     |

**Coefficient of Utilization**



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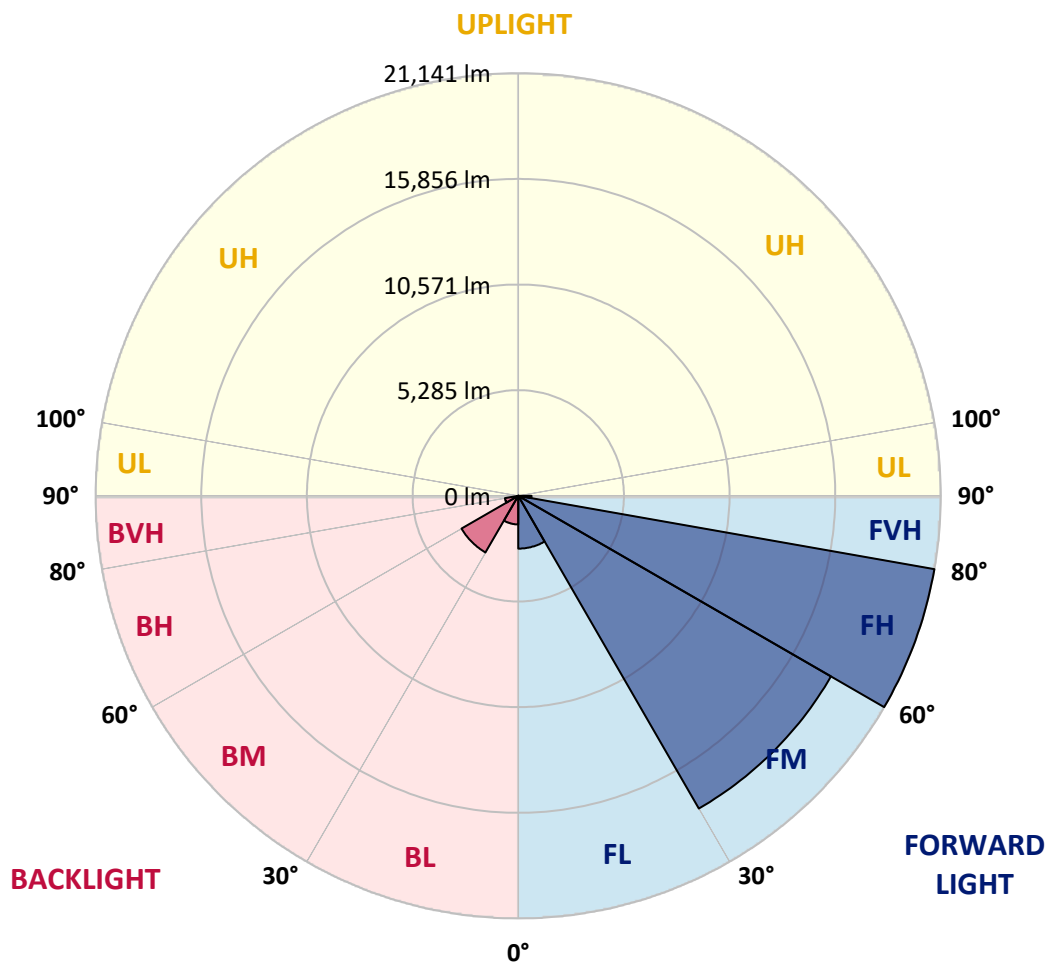
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2640.8  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 18065.0 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 21141.1 | 44.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 666.7   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1432.6  | 3.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3273.1  | 6.8       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 676.5   | 1.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 9.2     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6943.0  | 6943.0  | 6943.0  | 6943.0  | 6943.0  | 6943.0  | 6943.0  | 6943.0  | 6943.0  | 6943.0  |
| 2.5°  | 6634.1  | 6690.3  | 6700.8  | 6718.4  | 6718.4  | 6739.5  | 6774.6  | 6823.7  | 6904.4  | 6946.6  |
| 5°    | 6114.6  | 6156.8  | 6209.4  | 6251.5  | 6332.3  | 6342.8  | 6479.7  | 6613.1  | 6799.1  | 6939.5  |
| 7.5°  | 5591.6  | 5640.8  | 5711.0  | 5812.8  | 5918.1  | 5949.7  | 6156.8  | 6381.4  | 6676.3  | 6939.5  |
| 10°   | 5223.1  | 5226.6  | 5289.8  | 5391.6  | 5560.0  | 5598.7  | 5851.4  | 6170.8  | 6539.4  | 6897.4  |
| 12.5° | 5016.0  | 5040.5  | 5068.6  | 5145.9  | 5307.3  | 5331.9  | 5602.2  | 5977.8  | 6402.5  | 6872.8  |
| 15°   | 5016.0  | 5033.5  | 5051.1  | 5089.7  | 5219.6  | 5240.6  | 5479.3  | 5854.9  | 6332.3  | 6883.4  |
| 17.5° | 5068.6  | 5096.7  | 5082.7  | 5128.3  | 5265.2  | 5279.2  | 5489.8  | 5819.8  | 6328.8  | 6950.1  |
| 20°   | 5195.0  | 5216.1  | 5188.0  | 5216.1  | 5353.0  | 5381.0  | 5598.7  | 5886.5  | 6388.4  | 7065.9  |
| 22.5° | 5395.1  | 5405.6  | 5338.9  | 5360.0  | 5500.4  | 5535.5  | 5788.2  | 6076.0  | 6532.4  | 7251.9  |
| 25°   | 5647.8  | 5668.9  | 5567.1  | 5591.6  | 5725.0  | 5767.1  | 6058.5  | 6360.4  | 6760.5  | 7508.2  |
| 27.5° | 5939.1  | 5949.7  | 5861.9  | 5858.4  | 6030.4  | 6090.1  | 6384.9  | 6711.4  | 7065.9  | 7831.1  |
| 30°   | 6272.6  | 6304.2  | 6220.0  | 6205.9  | 6423.5  | 6472.7  | 6764.0  | 7143.1  | 7515.2  | 8315.5  |
| 32.5° | 6535.9  | 6560.4  | 6511.3  | 6546.4  | 6767.5  | 6806.1  | 7223.9  | 7753.9  | 8220.7  | 9003.5  |
| 35°   | 6915.0  | 6929.0  | 6816.7  | 6879.9  | 7132.6  | 7230.9  | 7852.2  | 8610.4  | 9108.8  | 9867.0  |
| 37.5° | 8287.4  | 8287.4  | 7810.0  | 7497.6  | 7739.8  | 7827.6  | 8712.1  | 9688.0  | 10204.0 | 11025.3 |
| 40°   | 10186.4 | 10154.8 | 9456.3  | 8817.5  | 8785.9  | 8957.9  | 9937.2  | 11046.4 | 11618.5 | 12415.3 |
| 42.5° | 12211.7 | 12162.6 | 11211.4 | 10579.5 | 10474.2 | 10533.9 | 11351.8 | 12720.7 | 13303.4 | 14110.7 |
| 45°   | 14008.9 | 13994.9 | 13124.4 | 12274.9 | 12085.4 | 12274.9 | 13117.4 | 14679.4 | 15097.1 | 15946.5 |
| 47.5° | 15514.8 | 15514.8 | 14879.4 | 14324.8 | 14226.6 | 14338.9 | 15507.8 | 16852.1 | 16813.5 | 17901.7 |
| 50°   | 17248.8 | 17234.7 | 16631.0 | 16392.3 | 16494.1 | 16652.1 | 18259.7 | 19140.7 | 18589.7 | 19821.7 |
| 52.5° | 18463.3 | 18547.5 | 18340.4 | 18301.8 | 18821.3 | 19095.1 | 21053.8 | 21380.2 | 20179.7 | 21643.5 |
| 55°   | 19425.1 | 19523.4 | 19762.0 | 20032.3 | 21032.7 | 21390.7 | 23760.1 | 23503.8 | 21510.1 | 23223.0 |
| 57.5° | 20787.0 | 20646.6 | 21015.2 | 21548.7 | 23166.9 | 23598.6 | 26382.2 | 25508.1 | 22580.7 | 24504.2 |
| 60°   | 22440.3 | 22461.3 | 22524.5 | 23198.5 | 25297.5 | 25852.1 | 28965.6 | 27403.6 | 23268.7 | 25290.5 |
| 62.5° | 24427.0 | 24458.6 | 24588.5 | 25624.0 | 28158.3 | 28681.3 | 31717.6 | 28955.1 | 23584.6 | 25069.4 |
| 65°   | 24290.1 | 24423.5 | 25873.2 | 29414.9 | 32507.3 | 33023.3 | 34929.3 | 30043.2 | 23107.2 | 23047.5 |
| 67.5° | 22127.9 | 22345.5 | 24771.0 | 33943.0 | 39064.3 | 39639.9 | 38811.5 | 30257.3 | 21046.8 | 17922.7 |
| 70°   | 19291.7 | 19368.9 | 22285.8 | 38014.7 | 46656.7 | 47239.4 | 42286.6 | 27902.0 | 15971.1 | 9996.9  |
| 72.5° | 15065.5 | 15083.0 | 18505.4 | 38959.0 | 50777.6 | 50809.2 | 39559.2 | 20713.3 | 8589.3  | 3840.1  |
| 75°   | 10762.1 | 10656.8 | 12394.3 | 31594.7 | 44673.4 | 45031.5 | 29657.1 | 9716.0  | 3282.0  | 1814.7  |
| 77.5° | 5770.7  | 5886.5  | 7013.2  | 18737.1 | 30861.1 | 31471.8 | 16181.7 | 2801.1  | 1670.8  | 1235.6  |
| 80°   | 1783.1  | 1881.4  | 2874.8  | 8578.8  | 17480.5 | 17849.0 | 5998.8  | 1246.1  | 1165.4  | 881.0   |
| 82.5° | 561.6   | 582.7   | 1340.9  | 3604.9  | 7255.4  | 7423.9  | 1737.5  | 705.5   | 796.8   | 582.7   |
| 85°   | 161.5   | 165.0   | 596.7   | 1344.4  | 1793.7  | 1828.8  | 487.9   | 273.8   | 456.3   | 361.5   |
| 87.5° | 17.6    | 56.2    | 224.6   | 224.6   | 158.0   | 154.4   | 52.7    | 59.7    | 129.9   | 45.6    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6943.0  | 0°    | 6943.0  | 6943.0  | 6943.0 | 6943.0 | 6943.0 | 6943.0 | 6943.0 | 6943.0 | 6943.0 | 6943.0 |
| 6974.6  | 2.5°  | 6957.1  | 6960.6  | 6915.0 | 6837.7 | 6753.5 | 6683.3 | 6595.5 | 6525.3 | 6476.2 | 6462.2 |
| 7037.8  | 5°    | 7006.2  | 6981.7  | 6851.8 | 6616.6 | 6335.8 | 6093.6 | 5823.3 | 5609.2 | 5468.8 | 5409.1 |
| 7104.5  | 7.5°  | 7079.9  | 7009.7  | 6725.4 | 6262.1 | 5725.0 | 5247.6 | 4763.2 | 4387.7 | 4149.0 | 4029.6 |
| 7167.7  | 10°   | 7143.1  | 7002.7  | 6514.8 | 5749.6 | 4928.2 | 4205.1 | 3552.3 | 3099.4 | 2846.7 | 2727.4 |
| 7241.4  | 12.5° | 7202.8  | 6999.2  | 6241.0 | 5142.3 | 4029.6 | 3145.1 | 2537.8 | 2313.2 | 2243.0 | 2218.4 |
| 7360.7  | 15°   | 7315.1  | 7009.7  | 5897.0 | 4447.3 | 3134.5 | 2376.4 | 2155.2 | 2151.7 | 2165.8 | 2158.7 |
| 7543.3  | 17.5° | 7469.6  | 7020.3  | 5507.4 | 3710.2 | 2418.5 | 2095.5 | 2085.0 | 2116.6 | 2137.7 | 2127.1 |
| 7771.4  | 20°   | 7669.6  | 7062.4  | 5093.2 | 2980.1 | 2078.0 | 2025.3 | 2049.9 | 2078.0 | 2095.5 | 2078.0 |
| 8076.8  | 22.5° | 7950.4  | 7136.1  | 4640.4 | 2393.9 | 1969.2 | 1983.2 | 2004.3 | 2035.9 | 2053.4 | 2028.9 |
| 8466.4  | 25°   | 8294.4  | 7251.9  | 4194.6 | 2081.5 | 1916.5 | 1934.1 | 1965.7 | 2000.8 | 2021.8 | 1997.3 |
| 8957.9  | 27.5° | 8740.2  | 7438.0  | 3783.9 | 2011.3 | 1863.9 | 1874.4 | 1920.0 | 1972.7 | 2000.8 | 1969.2 |
| 9656.4  | 30°   | 9386.1  | 7743.4  | 3429.4 | 2042.9 | 1832.3 | 1807.7 | 1870.9 | 1944.6 | 1976.2 | 1948.1 |
| 10607.6 | 32.5° | 10242.6 | 8175.1  | 3211.8 | 2092.0 | 1818.2 | 1730.5 | 1790.2 | 1884.9 | 1937.6 | 1920.0 |
| 11850.2 | 35°   | 11365.8 | 8831.5  | 3127.5 | 2148.2 | 1807.7 | 1649.8 | 1691.9 | 1793.7 | 1884.9 | 1902.5 |
| 13415.7 | 37.5° | 12727.7 | 9744.1  | 3152.1 | 2172.8 | 1776.1 | 1583.1 | 1604.1 | 1691.9 | 1811.2 | 1867.4 |
| 15177.8 | 40°   | 14275.7 | 10807.7 | 3292.5 | 2148.2 | 1741.0 | 1526.9 | 1530.4 | 1597.1 | 1702.4 | 1786.7 |
| 17073.3 | 42.5° | 15872.8 | 12050.3 | 3552.3 | 2056.9 | 1709.4 | 1477.8 | 1467.2 | 1512.9 | 1583.1 | 1642.7 |
| 18965.2 | 45°   | 17392.7 | 13328.0 | 3808.5 | 1930.6 | 1670.8 | 1428.6 | 1404.1 | 1421.6 | 1435.6 | 1460.2 |
| 20808.1 | 47.5° | 18719.5 | 14226.6 | 3734.8 | 1814.7 | 1618.2 | 1372.5 | 1330.3 | 1323.3 | 1281.2 | 1277.7 |
| 22454.3 | 50°   | 19635.7 | 14423.1 | 3317.1 | 1698.9 | 1540.9 | 1309.3 | 1242.6 | 1200.5 | 1126.8 | 1091.7 |
| 23686.4 | 52.5° | 19927.0 | 13647.4 | 2709.8 | 1583.1 | 1414.6 | 1225.0 | 1130.3 | 1063.6 | 972.3  | 940.7  |
| 24395.4 | 55°   | 19540.9 | 12127.5 | 2165.8 | 1442.7 | 1239.1 | 1112.7 | 1007.4 | 919.7  | 845.9  | 807.3  |
| 24472.6 | 57.5° | 18596.7 | 10193.4 | 1712.9 | 1277.7 | 1053.0 | 986.3  | 881.0  | 793.3  | 730.1  | 691.5  |
| 23616.2 | 60°   | 17031.2 | 8094.4  | 1354.9 | 1081.1 | 898.6  | 849.5  | 740.6  | 684.5  | 628.3  | 582.7  |
| 21404.8 | 62.5° | 14654.8 | 5777.7  | 1063.6 | 856.5  | 751.2  | 695.0  | 631.8  | 589.7  | 523.0  | 459.8  |
| 17427.8 | 65°   | 11436.0 | 3534.7  | 821.4  | 628.3  | 603.7  | 575.7  | 537.1  | 498.4  | 417.7  | 354.5  |
| 11369.3 | 67.5° | 7213.3  | 1674.3  | 586.2  | 473.9  | 477.4  | 463.3  | 445.8  | 414.2  | 354.5  | 298.4  |
| 5093.2  | 70°   | 3176.7  | 810.8   | 386.1  | 361.5  | 354.5  | 354.5  | 368.6  | 358.0  | 301.9  | 249.2  |
| 1769.1  | 72.5° | 1081.1  | 435.3   | 287.8  | 273.8  | 256.2  | 252.7  | 308.9  | 298.4  | 242.2  | 193.1  |
| 881.0   | 75°   | 565.1   | 291.3   | 210.6  | 196.6  | 154.4  | 186.0  | 245.7  | 231.7  | 172.0  | 126.4  |
| 582.7   | 77.5° | 368.6   | 207.1   | 143.9  | 126.4  | 87.8   | 122.9  | 182.5  | 161.5  | 101.8  | 63.2   |
| 382.6   | 80°   | 231.7   | 136.9   | 84.2   | 59.7   | 42.1   | 66.7   | 98.3   | 70.2   | 38.6   | 14.0   |
| 224.6   | 82.5° | 122.9   | 70.2    | 31.6   | 21.1   | 17.6   | 21.1   | 24.6   | 17.6   | 7.0    | 0.0    |
| 115.8   | 85°   | 49.1    | 24.6    | 10.5   | 7.0    | 3.5    | 0.0    | 7.0    | 3.5    | 0.0    | 0.0    |
| 21.1    | 87.5° | 17.6    | 3.5     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 6943.0 |
| 6486.7 |
| 5430.2 |
| 4047.2 |
| 2730.9 |
| 2211.4 |
| 2155.2 |
| 2123.6 |
| 2074.5 |
| 2025.3 |
| 1993.8 |
| 1969.2 |
| 1944.6 |
| 1920.0 |
| 1902.5 |
| 1881.4 |
| 1814.7 |
| 1667.3 |
| 1474.3 |
| 1274.2 |
| 1095.2 |
| 937.2  |
| 807.3  |
| 684.5  |
| 572.2  |
| 449.3  |
| 344.0  |
| 291.3  |
| 238.7  |
| 182.5  |
| 115.8  |
| 56.2   |
| 10.5   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |