

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: P955388

Luminaire Tested: **GLAN-SB8B-835-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-835-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42800 lumens  
Efficiency: N/A  
Efficacy: 146.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

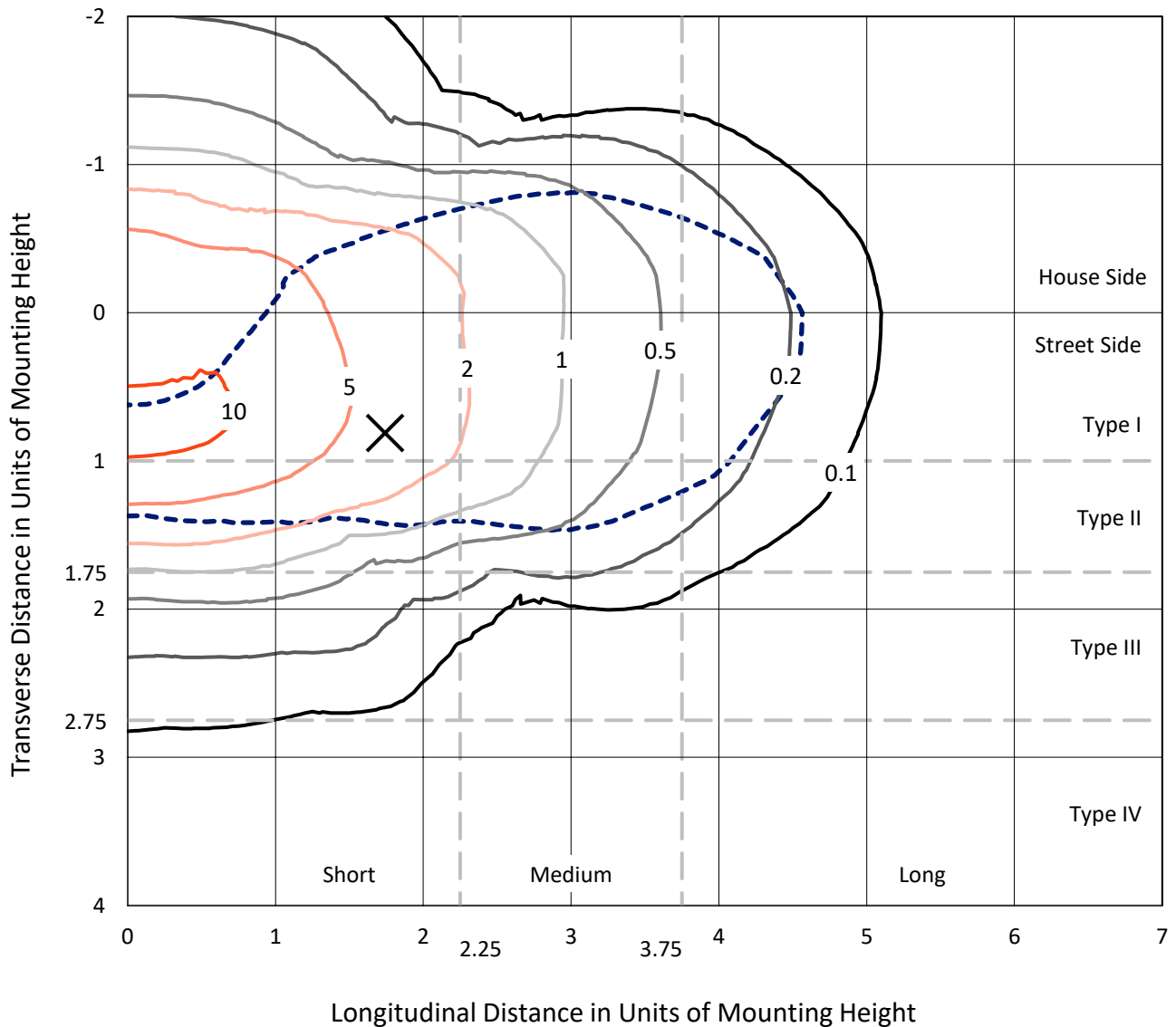
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

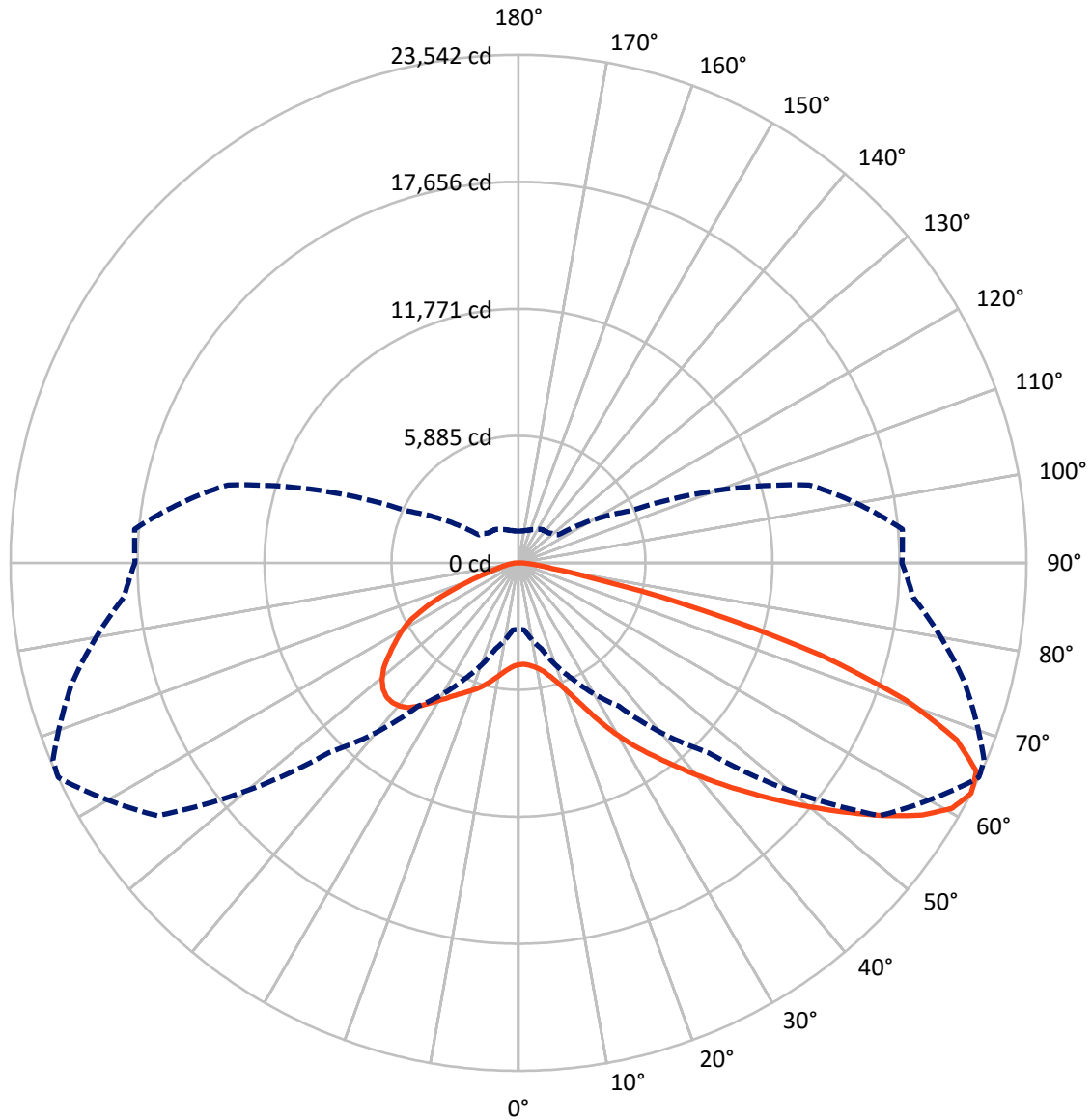
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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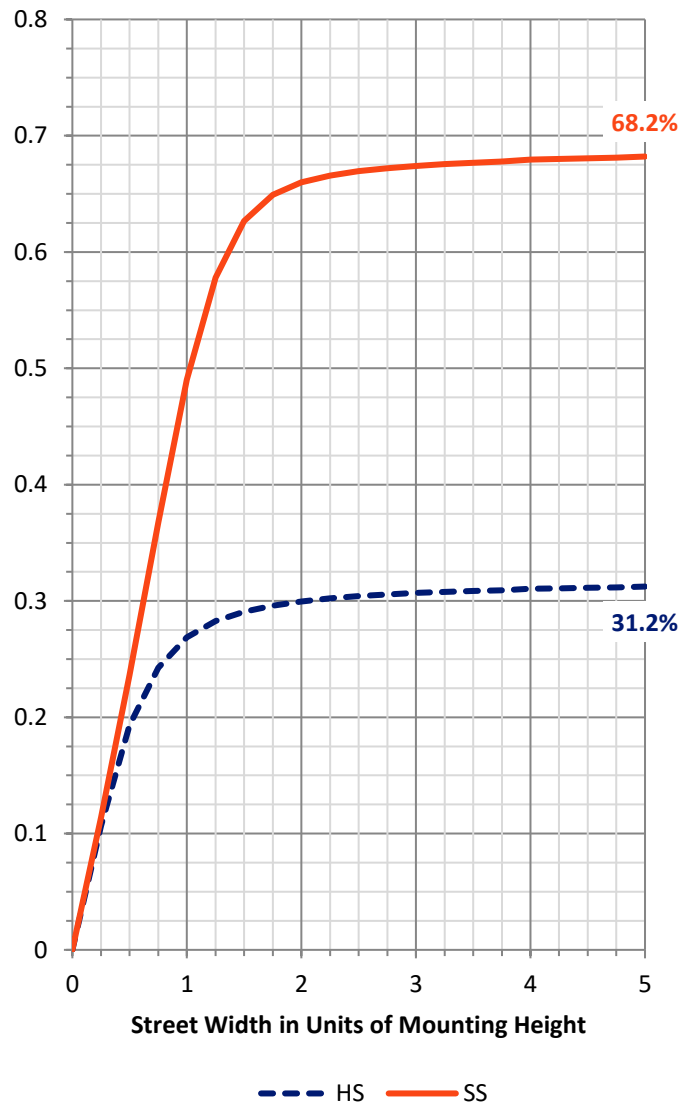
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13505.8  | 0.0    | 13505.8 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 29294.2  | 0.0    | 29294.2 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 42800.0  | 0.0    | 42800.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 470.2   | 1.1       |
| 10°-20°   | 1594.5  | 3.7       |
| 20°-30°   | 3233.1  | 7.6       |
| 30°-40°   | 5594.9  | 13.1      |
| 40°-50°   | 8466.7  | 19.8      |
| 50°-60°   | 9926.7  | 23.2      |
| 60°-70°   | 8322.4  | 19.4      |
| 70°-80°   | 4594.6  | 10.7      |
| 80°-90°   | 596.8   | 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°    | 42800.0 | 100.0     |
| 0°-180°   | 42800.0 | 100.0     |

**Coefficient of Utilization**

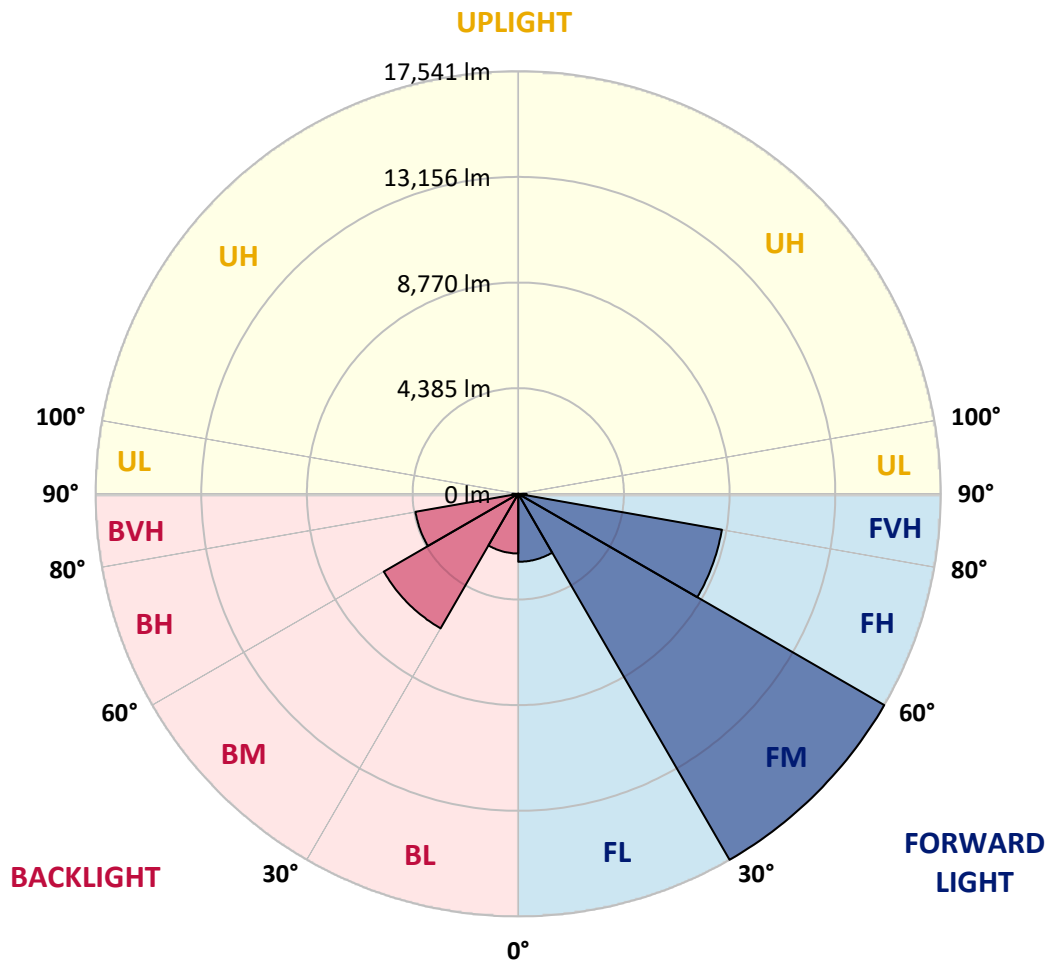


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 2821.1  | 6.6       |                         |      |          |
| FM (30°-60°)   | 17540.8 | 41.0      |                         |      |          |
| FH (60°-80°)   | 8584.4  | 20.1      |                         |      | G4/12000 |
| FVH (80°-90°)  | 347.8   | 0.8       |                         |      | G3/500   |
| BL (0°-30°)    | 2476.8  | 5.8       | B3/2500                 |      |          |
| BM (30°-60°)   | 6447.5  | 15.1      | B4/8500                 |      |          |
| BH (60°-80°)   | 4332.5  | 10.1      | B4/5000                 |      | G4/5000  |
| BVH (80°-90°)  | 249.0   | 0.6       |                         |      | G3/500   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4716.4  | 4716.4  | 4716.4  | 4716.4  | 4716.4  | 4716.4  | 4716.4  | 4716.4  | 4716.4  | 4716.4  |
| 2.5°  | 4685.3  | 4672.0  | 4683.1  | 4683.1  | 4687.5  | 4685.3  | 4700.8  | 4705.3  | 4711.9  | 4725.3  |
| 5°    | 4638.7  | 4636.4  | 4656.4  | 4674.2  | 4691.9  | 4707.5  | 4727.5  | 4756.3  | 4760.8  | 4776.3  |
| 7.5°  | 4623.1  | 4609.8  | 4640.9  | 4663.1  | 4705.3  | 4743.0  | 4796.3  | 4845.2  | 4865.1  | 4871.8  |
| 10°   | 4743.0  | 4720.8  | 4749.7  | 4763.0  | 4798.5  | 4836.3  | 4898.5  | 4976.2  | 4998.4  | 5025.0  |
| 12.5° | 4947.3  | 4922.9  | 4965.1  | 4985.1  | 5018.4  | 5051.7  | 5093.9  | 5169.4  | 5180.5  | 5229.3  |
| 15°   | 5227.1  | 5198.2  | 5224.9  | 5249.3  | 5304.8  | 5335.9  | 5378.1  | 5451.4  | 5451.4  | 5489.1  |
| 17.5° | 5606.8  | 5569.1  | 5589.0  | 5597.9  | 5633.4  | 5680.1  | 5751.1  | 5815.5  | 5848.8  | 5835.5  |
| 20°   | 6173.0  | 6126.4  | 6126.4  | 6082.0  | 6068.7  | 6106.4  | 6199.7  | 6288.5  | 6324.0  | 6255.2  |
| 22.5° | 7023.5  | 6956.9  | 6919.1  | 6768.1  | 6708.2  | 6712.6  | 6805.9  | 6914.7  | 6943.6  | 6821.4  |
| 25°   | 8104.9  | 8000.5  | 7949.4  | 7727.4  | 7591.9  | 7474.3  | 7547.5  | 7687.4  | 7727.4  | 7576.4  |
| 27.5° | 9186.3  | 9192.9  | 9144.1  | 8877.6  | 8653.3  | 8438.0  | 8400.2  | 8546.8  | 8589.0  | 8418.0  |
| 30°   | 10702.9 | 10545.2 | 10452.0 | 10132.2 | 9812.5  | 9510.5  | 9355.0  | 9415.0  | 9426.1  | 9221.8  |
| 32.5° | 12010.8 | 11970.8 | 11771.0 | 11491.2 | 11080.4 | 10607.4 | 10347.6 | 10252.1 | 10234.4 | 9943.5  |
| 35°   | 13500.7 | 13478.5 | 13267.6 | 12934.5 | 12490.4 | 11833.1 | 11364.6 | 11091.5 | 11069.3 | 10660.7 |
| 37.5° | 15015.1 | 15015.1 | 14808.6 | 14444.5 | 13984.8 | 13163.2 | 12450.4 | 12017.4 | 11946.4 | 11413.4 |
| 40°   | 16223.1 | 16149.8 | 16187.6 | 16034.3 | 15508.1 | 14635.4 | 13656.2 | 13027.8 | 12932.3 | 12292.8 |
| 42.5° | 16909.2 | 16884.8 | 17111.3 | 17282.3 | 17066.9 | 16369.6 | 14984.0 | 14122.5 | 13989.2 | 13260.9 |
| 45°   | 17062.4 | 17035.8 | 17439.9 | 18066.1 | 18368.1 | 18081.7 | 16427.4 | 15274.9 | 15112.8 | 14273.5 |
| 47.5° | 16709.4 | 16656.1 | 17249.0 | 18237.1 | 19205.2 | 19709.3 | 17990.6 | 16525.1 | 16289.7 | 15259.4 |
| 50°   | 15648.0 | 15596.9 | 16494.0 | 17806.3 | 19487.2 | 20815.1 | 19687.1 | 17850.7 | 17491.0 | 16316.3 |
| 52.5° | 13340.9 | 13365.3 | 14770.9 | 16573.9 | 19116.4 | 21503.5 | 21148.2 | 19247.4 | 18814.4 | 17397.7 |
| 55°   | 10392.0 | 10445.3 | 12172.9 | 14158.0 | 17633.1 | 21399.1 | 22145.2 | 20686.3 | 20255.5 | 18414.7 |
| 57.5° | 7440.9  | 7676.3  | 9295.1  | 11260.2 | 14784.2 | 19744.8 | 22362.8 | 22054.2 | 21636.7 | 19525.0 |
| 60°   | 4823.0  | 4865.1  | 6530.5  | 8511.2  | 11258.0 | 16804.9 | 21920.9 | 23091.1 | 22764.7 | 20657.5 |
| 62.5° | 3091.0  | 3119.8  | 4134.6  | 5953.2  | 8102.7  | 12432.7 | 20433.2 | 23541.9 | 23442.0 | 21405.8 |
| 65°   | 2271.6  | 2249.4  | 2777.9  | 3934.8  | 5458.0  | 7667.4  | 17544.3 | 23324.3 | 23521.9 | 21874.3 |
| 67.5° | 1896.3  | 1865.2  | 2125.0  | 2724.6  | 4021.4  | 4354.4  | 12981.1 | 21909.8 | 22633.7 | 21821.0 |
| 70°   | 1727.6  | 1700.9  | 1858.6  | 2022.9  | 3137.6  | 2915.5  | 6543.9  | 19047.6 | 20162.3 | 21214.8 |
| 72.5° | 1463.3  | 1416.7  | 1632.1  | 1796.4  | 2440.3  | 2236.1  | 2704.6  | 14631.0 | 15989.9 | 19271.9 |
| 75°   | 1134.7  | 1103.6  | 1287.9  | 1581.0  | 1834.1  | 1745.3  | 1709.8  | 8884.3  | 10367.6 | 14904.1 |
| 77.5° | 899.3   | 857.1   | 1025.9  | 1232.4  | 1649.8  | 1316.8  | 1245.7  | 3825.9  | 5295.9  | 9514.9  |
| 80°   | 677.3   | 639.5   | 779.4   | 974.8   | 1267.9  | 992.6   | 806.0   | 1561.0  | 1996.2  | 4820.7  |
| 82.5° | 481.9   | 448.5   | 544.0   | 715.0   | 852.7   | 890.4   | 495.2   | 874.9   | 983.7   | 1858.6  |
| 85°   | 308.7   | 288.7   | 364.2   | 448.5   | 541.8   | 572.9   | 302.0   | 457.4   | 501.8   | 766.1   |
| 87.5° | 168.8   | 137.7   | 195.4   | 208.7   | 250.9   | 228.7   | 144.3   | 166.5   | 179.9   | 277.6   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4716.4  | 0°    | 4716.4  | 4716.4  | 4716.4  | 4716.4 | 4716.4 | 4716.4 | 4716.4 | 4716.4 | 4716.4 | 4716.4 |
| 4725.3  | 2.5°  | 4734.1  | 4740.8  | 4763.0  | 4769.7 | 4785.2 | 4805.2 | 4818.5 | 4831.8 | 4831.8 | 4845.2 |
| 4796.3  | 5°    | 4798.5  | 4814.1  | 4860.7  | 4885.1 | 4925.1 | 4965.1 | 4989.5 | 5018.4 | 5036.1 | 5045.0 |
| 4909.6  | 7.5°  | 4922.9  | 4947.3  | 5013.9  | 5056.1 | 5124.9 | 5180.5 | 5218.2 | 5258.2 | 5267.1 | 5291.5 |
| 5067.2  | 10°   | 5091.6  | 5120.5  | 5196.0  | 5275.9 | 5358.1 | 5426.9 | 5462.5 | 5491.3 | 5502.4 | 5506.9 |
| 5269.3  | 12.5° | 5284.8  | 5327.0  | 5424.7  | 5522.4 | 5609.0 | 5669.0 | 5677.9 | 5671.2 | 5640.1 | 5613.5 |
| 5518.0  | 15°   | 5522.4  | 5560.2  | 5669.0  | 5775.6 | 5859.9 | 5871.0 | 5815.5 | 5780.0 | 5742.3 | 5735.6 |
| 5795.5  | 17.5° | 5806.6  | 5826.6  | 5926.6  | 6030.9 | 6037.6 | 5999.8 | 5917.7 | 5884.4 | 5848.8 | 5824.4 |
| 6157.5  | 20°   | 6137.5  | 6130.8  | 6201.9  | 6246.3 | 6199.7 | 6084.2 | 5959.9 | 5904.4 | 5868.8 | 5840.0 |
| 6601.6  | 22.5° | 6532.8  | 6481.7  | 6472.8  | 6461.7 | 6337.4 | 6095.3 | 5926.6 | 5855.5 | 5800.0 | 5760.0 |
| 7221.1  | 25°   | 7107.9  | 6912.5  | 6777.0  | 6701.5 | 6421.7 | 6035.4 | 5820.0 | 5662.3 | 5557.9 | 5489.1 |
| 7978.3  | 27.5° | 7827.3  | 7498.7  | 7156.7  | 6972.4 | 6421.7 | 5913.2 | 5562.4 | 5307.0 | 5136.1 | 5065.0 |
| 8711.1  | 30°   | 8513.5  | 8169.3  | 7665.2  | 7298.8 | 6406.2 | 5713.4 | 5147.2 | 4791.9 | 4592.0 | 4521.0 |
| 9337.3  | 32.5° | 9099.7  | 8724.4  | 8204.8  | 7656.3 | 6368.4 | 5389.2 | 4632.0 | 4239.0 | 4045.8 | 3961.4 |
| 9956.8  | 35°   | 9643.7  | 9244.0  | 8746.6  | 8049.4 | 6268.5 | 4914.0 | 4065.8 | 3766.0 | 3550.6 | 3415.2 |
| 10587.4 | 37.5° | 10201.0 | 9725.9  | 9259.5  | 8404.7 | 6088.7 | 4358.9 | 3630.5 | 3375.2 | 3122.0 | 2940.0 |
| 11258.0 | 40°   | 10807.2 | 10238.8 | 9808.0  | 8615.6 | 5793.3 | 3830.4 | 3293.0 | 3059.9 | 2791.2 | 2598.0 |
| 12030.8 | 42.5° | 11515.6 | 10853.9 | 10418.7 | 8724.4 | 5389.2 | 3455.1 | 3073.2 | 2844.5 | 2591.3 | 2433.7 |
| 12859.0 | 45°   | 12255.0 | 11531.1 | 10976.0 | 8722.2 | 4938.4 | 3279.7 | 3002.1 | 2775.6 | 2495.9 | 2331.5 |
| 13709.5 | 47.5° | 13030.0 | 12239.5 | 11457.9 | 8580.1 | 4547.6 | 3304.1 | 2962.2 | 2626.9 | 2318.2 | 2158.3 |
| 14568.8 | 50°   | 13807.2 | 13014.4 | 11924.2 | 8313.6 | 4381.1 | 3250.8 | 2813.4 | 2418.1 | 2054.0 | 1909.6 |
| 15374.8 | 52.5° | 14577.7 | 13838.3 | 12326.1 | 7933.9 | 4212.3 | 3053.2 | 2622.4 | 2147.2 | 1945.2 | 1845.2 |
| 16207.5 | 55°   | 15352.6 | 14653.2 | 12763.5 | 7381.0 | 3790.4 | 2822.3 | 2302.7 | 2045.1 | 1858.6 | 1767.5 |
| 17022.5 | 57.5° | 16129.8 | 15594.7 | 13178.8 | 6828.1 | 3259.7 | 2538.0 | 2127.3 | 1920.7 | 1772.0 | 1694.3 |
| 17704.2 | 60°   | 16938.1 | 16671.6 | 13607.3 | 6319.6 | 2735.7 | 2173.9 | 1998.5 | 1820.8 | 1669.8 | 1583.2 |
| 18359.2 | 62.5° | 17770.8 | 17857.4 | 13942.6 | 5664.5 | 2253.8 | 1951.8 | 1883.0 | 1700.9 | 1554.4 | 1472.2 |
| 18901.0 | 65°   | 18610.1 | 19000.9 | 14162.4 | 4756.3 | 1827.5 | 1740.9 | 1758.6 | 1569.9 | 1421.1 | 1350.1 |
| 19298.5 | 67.5° | 19243.0 | 19824.8 | 14100.3 | 3599.5 | 1498.8 | 1541.0 | 1603.2 | 1432.2 | 1292.3 | 1236.8 |
| 19234.1 | 70°   | 19314.0 | 19727.1 | 13487.4 | 2464.8 | 1254.6 | 1345.6 | 1430.0 | 1296.8 | 1152.4 | 1112.5 |
| 18328.1 | 72.5° | 18368.1 | 18394.7 | 11779.8 | 1609.9 | 1061.4 | 1181.3 | 1247.9 | 1159.1 | 1019.2 | 979.2  |
| 16034.3 | 75°   | 15887.8 | 15212.8 | 8648.9  | 1061.4 | 888.2  | 1014.8 | 1076.9 | 1014.8 | 879.3  | 888.2  |
| 11997.4 | 77.5° | 12037.4 | 10773.9 | 5251.5  | 755.0  | 741.7  | 852.7  | 937.1  | 892.6  | 777.2  | 872.7  |
| 6033.1  | 80°   | 6201.9  | 5828.9  | 2342.6  | 564.0  | 586.2  | 681.7  | 770.5  | 712.8  | 615.1  | 586.2  |
| 1347.9  | 82.5° | 1421.1  | 1652.1  | 923.7   | 404.1  | 424.1  | 490.7  | 588.4  | 535.1  | 441.9  | 373.0  |
| 561.8   | 85°   | 497.4   | 544.0   | 408.6   | 253.1  | 248.7  | 306.4  | 399.7  | 357.5  | 299.8  | 239.8  |
| 237.6   | 87.5° | 157.7   | 206.5   | 153.2   | 102.1  | 106.6  | 137.7  | 184.3  | 168.8  | 139.9  | 91.0   |
| 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°   |
|--------|
| 4716.4 |
| 4845.2 |
| 5049.5 |
| 5282.6 |
| 5495.8 |
| 5613.5 |
| 5735.6 |
| 5826.6 |
| 5842.2 |
| 5773.3 |
| 5515.8 |
| 5100.5 |
| 4563.2 |
| 4003.6 |
| 3459.6 |
| 2988.8 |
| 2635.8 |
| 2464.8 |
| 2358.2 |
| 2180.5 |
| 1918.5 |
| 1845.2 |
| 1758.6 |
| 1680.9 |
| 1576.6 |
| 1470.0 |
| 1347.9 |
| 1239.0 |
| 1114.7 |
| 977.0  |
| 857.1  |
| 768.3  |
| 535.1  |
| 368.6  |
| 253.1  |
| 95.5   |
| 0.0    |

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