

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: P954737

Luminaire Tested: **GLAN-SB7D-927-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954737  
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-SB7D-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 44641 lumens  
Efficiency: N/A  
Efficacy: 87.1 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): 512.8  
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

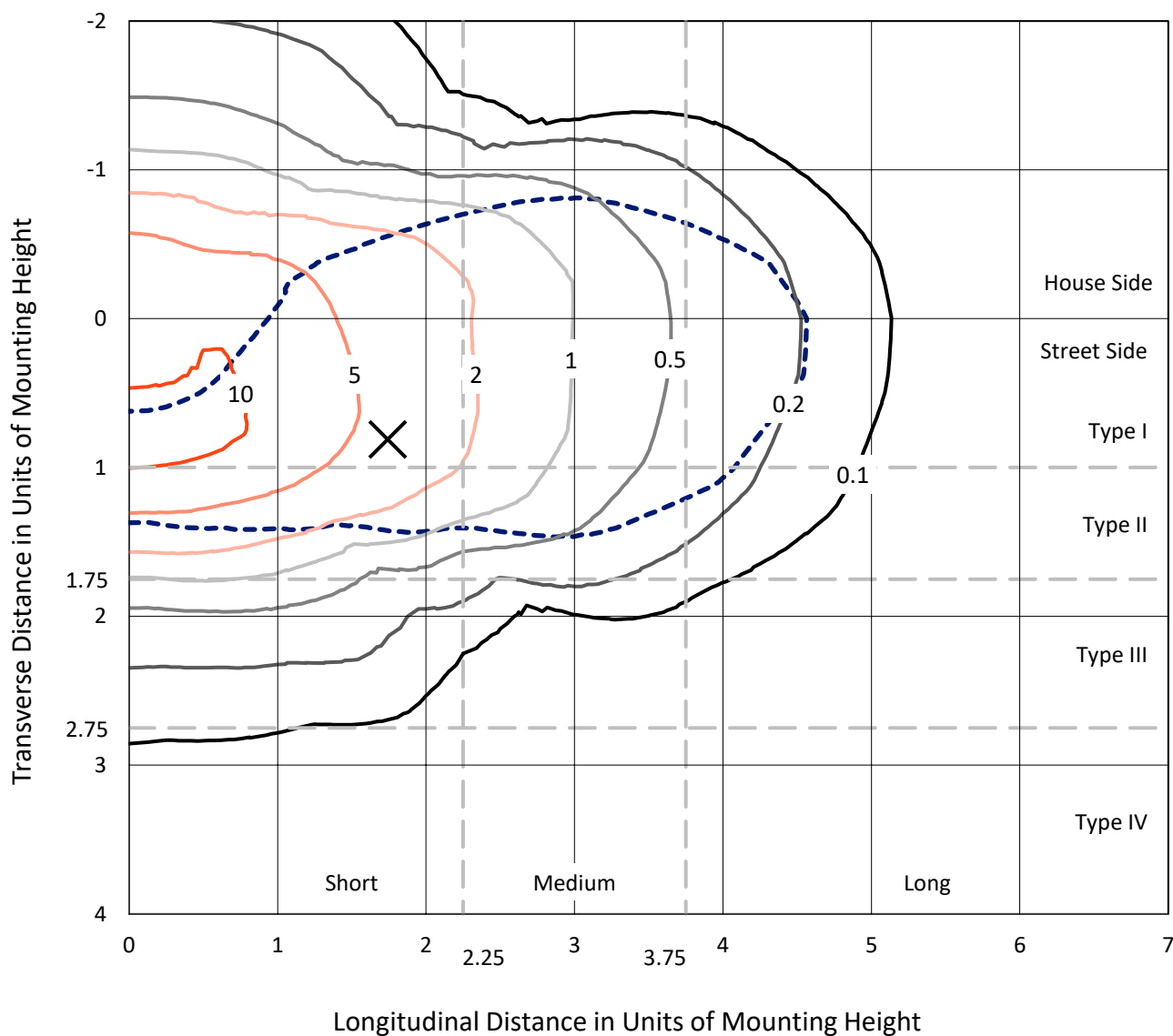


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## Iso-Footcandle Lines of Horizontal Illumination

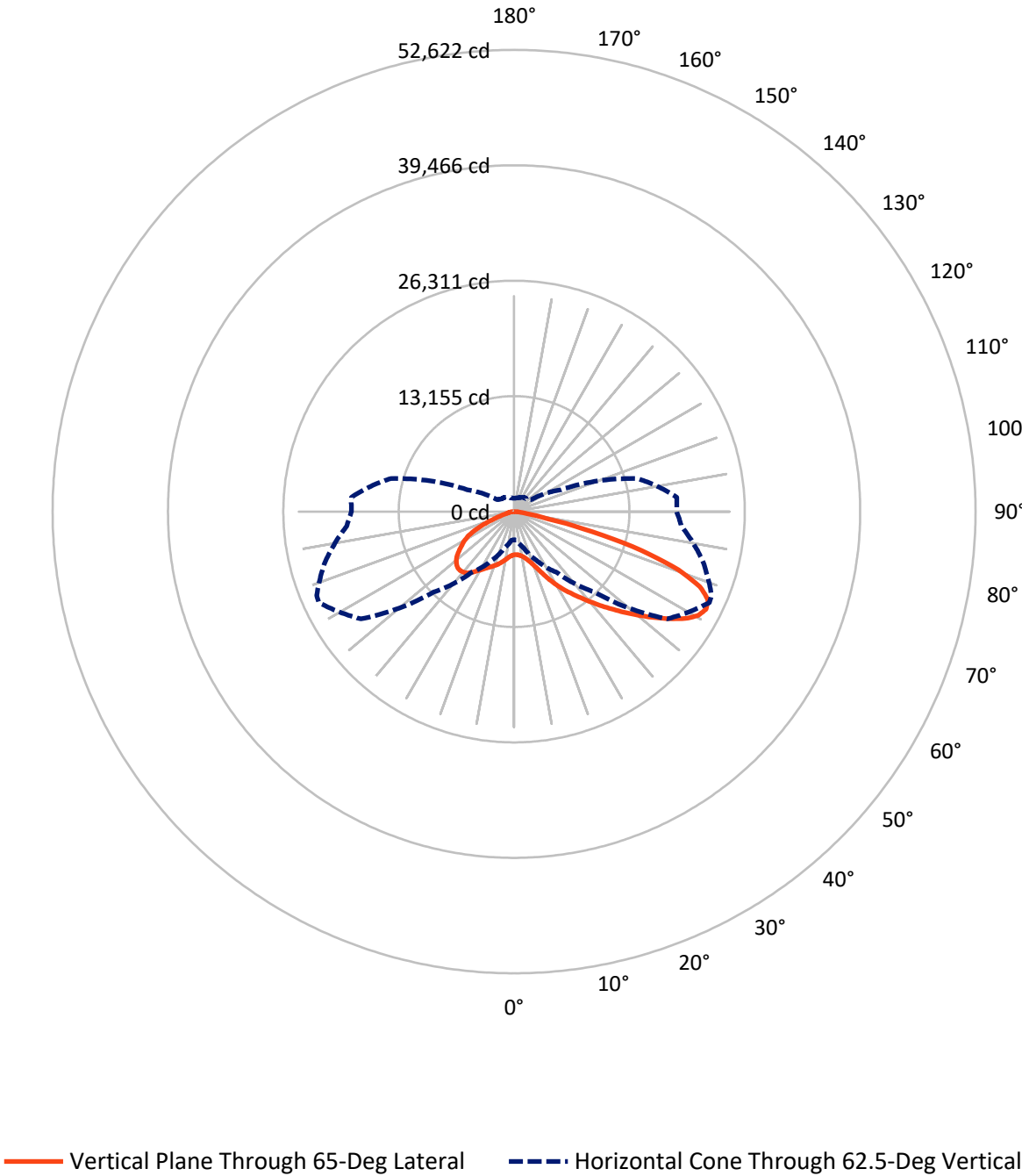
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc  
Type II - Short - N/A

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Luminous Intensity Polar Plot



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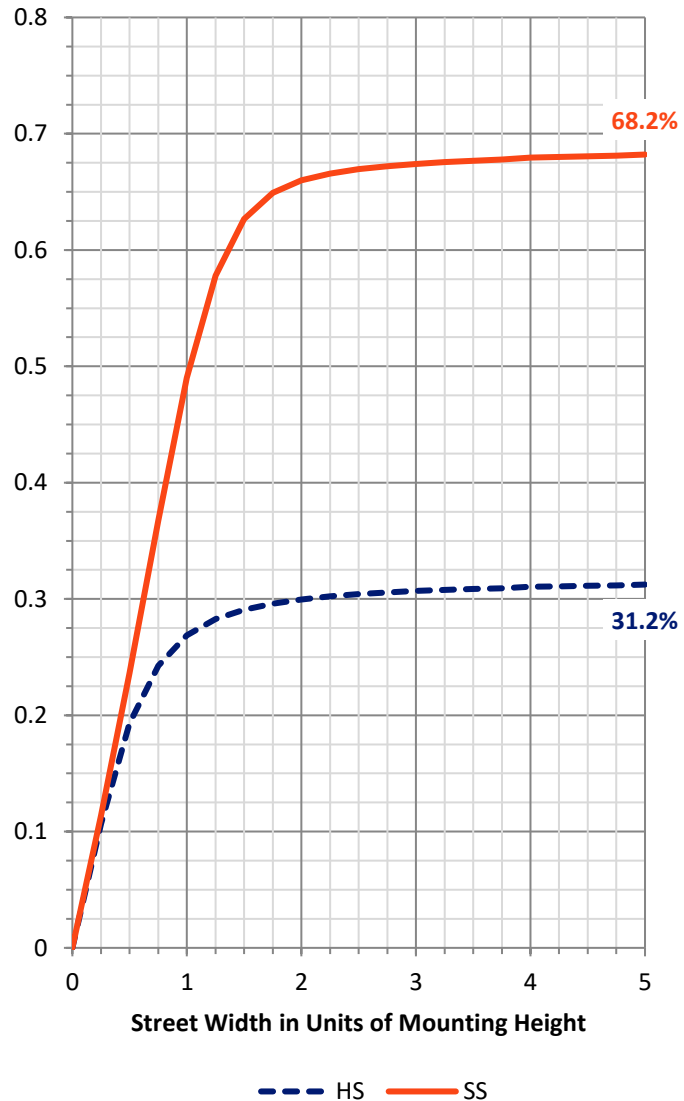
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14086.7  | 0.0    | 14086.7 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 30554.2  | 0.0    | 30554.2 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 44641.0  | 0.0    | 44641.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 490.4   | 1.1       |
| 10°-20°   | 1663.1  | 3.7       |
| 20°-30°   | 3372.2  | 7.6       |
| 30°-40°   | 5835.5  | 13.1      |
| 40°-50°   | 8830.9  | 19.8      |
| 50°-60°   | 10353.7 | 23.2      |
| 60°-70°   | 8680.3  | 19.4      |
| 70°-80°   | 4792.2  | 10.7      |
| 80°-90°   | 622.5   | 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°    | 44641.0 | 100.0     |
| 0°-180°   | 44641.0 | 100.0     |

**Coefficient of Utilization**



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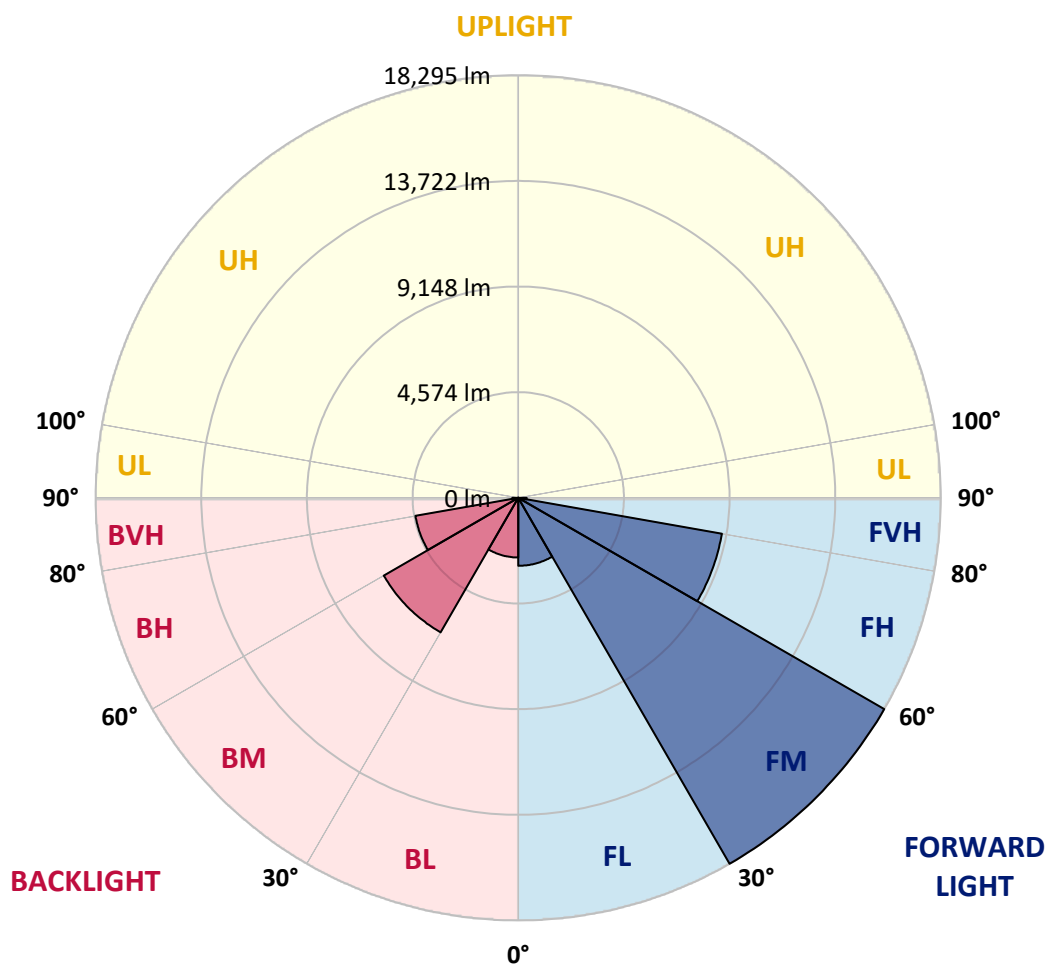
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2942.4  | 6.6       |                         |      |          |
| FM   | (30°-60°)   | 18295.3 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 8953.7  | 20.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 362.8   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 2583.3  | 5.8       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 6724.8  | 15.1      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 4518.9  | 10.1      | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 259.7   | 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°    | 4919.2  | 4919.2  | 4919.2  | 4919.2  | 4919.2  | 4919.2  | 4919.2  | 4919.2  | 4919.2  | 4919.2  |
| 2.5°  | 4886.8  | 4872.9  | 4884.5  | 4884.5  | 4889.1  | 4886.8  | 4903.0  | 4907.7  | 4914.6  | 4928.5  |
| 5°    | 4838.2  | 4835.9  | 4856.7  | 4875.2  | 4893.8  | 4910.0  | 4930.8  | 4960.9  | 4965.6  | 4981.8  |
| 7.5°  | 4822.0  | 4808.1  | 4840.5  | 4863.7  | 4907.7  | 4947.0  | 5002.6  | 5053.6  | 5074.4  | 5081.4  |
| 10°   | 4947.0  | 4923.9  | 4954.0  | 4967.9  | 5004.9  | 5044.3  | 5109.2  | 5190.2  | 5213.4  | 5241.2  |
| 12.5° | 5160.1  | 5134.6  | 5178.6  | 5199.5  | 5234.2  | 5269.0  | 5313.0  | 5391.7  | 5403.3  | 5454.2  |
| 15°   | 5451.9  | 5421.8  | 5449.6  | 5475.1  | 5533.0  | 5565.4  | 5609.4  | 5685.9  | 5685.9  | 5725.2  |
| 17.5° | 5848.0  | 5808.6  | 5829.4  | 5838.7  | 5875.8  | 5924.4  | 5998.5  | 6065.7  | 6100.4  | 6086.5  |
| 20°   | 6438.6  | 6389.9  | 6389.9  | 6343.6  | 6329.7  | 6369.1  | 6466.4  | 6559.0  | 6596.0  | 6524.3  |
| 22.5° | 7325.6  | 7256.1  | 7216.7  | 7059.3  | 6996.7  | 7001.4  | 7098.6  | 7212.1  | 7242.2  | 7114.8  |
| 25°   | 8453.5  | 8344.7  | 8291.4  | 8059.8  | 7918.5  | 7795.8  | 7872.2  | 8018.1  | 8059.8  | 7902.3  |
| 27.5° | 9581.4  | 9588.4  | 9537.4  | 9259.5  | 9025.6  | 8800.9  | 8761.5  | 8914.4  | 8958.4  | 8780.1  |
| 30°   | 11163.3 | 10998.8 | 10901.5 | 10568.0 | 10234.5 | 9919.6  | 9757.4  | 9820.0  | 9831.5  | 9618.5  |
| 32.5° | 12527.4 | 12485.7 | 12277.3 | 11985.4 | 11557.0 | 11063.7 | 10792.7 | 10693.1 | 10674.6 | 10371.2 |
| 35°   | 14081.5 | 14058.3 | 13838.3 | 13490.9 | 13027.7 | 12342.1 | 11853.4 | 11568.6 | 11545.4 | 11119.3 |
| 37.5° | 15661.0 | 15661.0 | 15445.6 | 15065.8 | 14586.3 | 13729.4 | 12986.0 | 12534.3 | 12460.2 | 11904.4 |
| 40°   | 16920.9 | 16844.5 | 16883.8 | 16724.0 | 16175.1 | 15264.9 | 14243.6 | 13588.1 | 13488.6 | 12821.5 |
| 42.5° | 17636.6 | 17611.1 | 17847.3 | 18025.7 | 17801.0 | 17073.8 | 15628.6 | 14729.9 | 14591.0 | 13831.3 |
| 45°   | 17796.4 | 17768.6 | 18190.1 | 18843.2 | 19158.2 | 18859.4 | 17134.0 | 15932.0 | 15762.9 | 14887.4 |
| 47.5° | 17428.1 | 17372.5 | 17990.9 | 19021.5 | 20031.3 | 20557.1 | 18764.5 | 17235.9 | 16990.4 | 15915.7 |
| 50°   | 16321.1 | 16267.8 | 17203.5 | 18572.2 | 20325.5 | 21710.5 | 20533.9 | 18618.6 | 18243.4 | 17018.2 |
| 52.5° | 13914.7 | 13940.2 | 15406.2 | 17286.8 | 19938.7 | 22428.4 | 22057.9 | 20075.3 | 19623.7 | 18146.1 |
| 55°   | 10839.0 | 10894.6 | 12696.5 | 14767.0 | 18391.6 | 22319.6 | 23097.8 | 21576.1 | 21126.8 | 19206.8 |
| 57.5° | 7761.0  | 8006.5  | 9694.9  | 11744.6 | 15420.1 | 20594.1 | 23324.7 | 23002.8 | 22567.4 | 20364.8 |
| 60°   | 5030.4  | 5074.4  | 6811.4  | 8877.3  | 11742.3 | 17527.7 | 22863.8 | 24084.4 | 23743.9 | 21546.0 |
| 62.5° | 3223.9  | 3254.0  | 4312.4  | 6209.3  | 8451.2  | 12967.4 | 21312.1 | 24554.5 | 24450.3 | 22326.5 |
| 65°   | 2369.3  | 2346.1  | 2897.4  | 4104.0  | 5692.8  | 7997.2  | 18298.9 | 24327.6 | 24533.7 | 22815.2 |
| 67.5° | 1977.9  | 1945.5  | 2216.4  | 2841.8  | 4194.3  | 4541.7  | 13539.5 | 22852.3 | 23607.3 | 22759.6 |
| 70°   | 1801.9  | 1774.1  | 1938.5  | 2109.9  | 3272.5  | 3040.9  | 6825.3  | 19866.9 | 21029.5 | 22127.3 |
| 72.5° | 1526.3  | 1477.6  | 1702.3  | 1873.7  | 2545.3  | 2332.2  | 2820.9  | 15260.3 | 16677.7 | 20100.8 |
| 75°   | 1183.5  | 1151.1  | 1343.3  | 1649.0  | 1913.0  | 1820.4  | 1783.3  | 9266.4  | 10813.5 | 15545.2 |
| 77.5° | 938.0   | 894.0   | 1070.0  | 1285.4  | 1720.8  | 1373.4  | 1299.3  | 3990.5  | 5523.7  | 9924.2  |
| 80°   | 706.4   | 667.0   | 812.9   | 1016.7  | 1322.5  | 1035.3  | 840.7   | 1628.2  | 2082.1  | 5028.1  |
| 82.5° | 502.6   | 467.8   | 567.4   | 745.8   | 889.4   | 928.7   | 516.5   | 912.5   | 1026.0  | 1938.5  |
| 85°   | 321.9   | 301.1   | 379.8   | 467.8   | 565.1   | 597.5   | 315.0   | 477.1   | 523.4   | 799.0   |
| 87.5° | 176.0   | 143.6   | 203.8   | 217.7   | 261.7   | 238.6   | 150.5   | 173.7   | 187.6   | 289.5   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4919.2  | 0°    | 4919.2  | 4919.2  | 4919.2  | 4919.2 | 4919.2 | 4919.2 | 4919.2 | 4919.2 | 4919.2 | 4919.2 |
| 4928.5  | 2.5°  | 4937.8  | 4944.7  | 4967.9  | 4974.8 | 4991.0 | 5011.9 | 5025.8 | 5039.7 | 5039.7 | 5053.6 |
| 5002.6  | 5°    | 5004.9  | 5021.1  | 5069.8  | 5095.3 | 5137.0 | 5178.6 | 5204.1 | 5234.2 | 5252.8 | 5262.0 |
| 5120.7  | 7.5°  | 5134.6  | 5160.1  | 5229.6  | 5273.6 | 5345.4 | 5403.3 | 5442.7 | 5484.4 | 5493.6 | 5519.1 |
| 5285.2  | 10°   | 5310.7  | 5340.8  | 5419.5  | 5502.9 | 5588.6 | 5660.4 | 5697.4 | 5727.5 | 5739.1 | 5743.8 |
| 5495.9  | 12.5° | 5512.1  | 5556.2  | 5658.1  | 5760.0 | 5850.3 | 5912.8 | 5922.1 | 5915.1 | 5882.7 | 5854.9 |
| 5755.3  | 15°   | 5760.0  | 5799.3  | 5912.8  | 6024.0 | 6112.0 | 6123.6 | 6065.7 | 6028.6 | 5989.2 | 5982.3 |
| 6044.8  | 17.5° | 6056.4  | 6077.3  | 6181.5  | 6290.3 | 6297.3 | 6257.9 | 6172.2 | 6137.5 | 6100.4 | 6074.9 |
| 6422.3  | 20°   | 6401.5  | 6394.6  | 6468.7  | 6515.0 | 6466.4 | 6345.9 | 6216.2 | 6158.3 | 6121.3 | 6091.2 |
| 6885.6  | 22.5° | 6813.8  | 6760.5  | 6751.2  | 6739.6 | 6609.9 | 6357.5 | 6181.5 | 6107.4 | 6049.5 | 6007.8 |
| 7531.7  | 25°   | 7413.6  | 7209.8  | 7068.5  | 6989.8 | 6698.0 | 6295.0 | 6070.3 | 5905.9 | 5797.0 | 5725.2 |
| 8321.5  | 27.5° | 8164.0  | 7821.2  | 7464.6  | 7272.3 | 6698.0 | 6167.6 | 5801.7 | 5535.3 | 5357.0 | 5282.9 |
| 9085.8  | 30°   | 8879.7  | 8520.7  | 7994.9  | 7612.8 | 6681.7 | 5959.1 | 5368.6 | 4998.0 | 4789.5 | 4715.4 |
| 9738.9  | 32.5° | 9491.1  | 9099.7  | 8557.7  | 7985.7 | 6642.4 | 5621.0 | 4831.2 | 4421.3 | 4219.8 | 4131.8 |
| 10385.1 | 35°   | 10058.5 | 9641.6  | 9122.8  | 8395.6 | 6538.1 | 5125.4 | 4240.6 | 3928.0 | 3703.3 | 3562.1 |
| 11042.8 | 37.5° | 10639.8 | 10144.2 | 9657.8  | 8766.2 | 6350.6 | 4546.4 | 3786.7 | 3520.4 | 3256.3 | 3066.4 |
| 11742.3 | 40°   | 11272.1 | 10679.2 | 10229.9 | 8986.2 | 6042.5 | 3995.1 | 3434.7 | 3191.5 | 2911.2 | 2709.8 |
| 12548.2 | 42.5° | 12010.9 | 11320.7 | 10866.8 | 9099.7 | 5621.0 | 3603.7 | 3205.4 | 2966.8 | 2702.8 | 2538.4 |
| 13412.1 | 45°   | 12782.2 | 12027.1 | 11448.1 | 9097.4 | 5150.8 | 3420.8 | 3131.3 | 2895.0 | 2603.2 | 2431.8 |
| 14299.2 | 47.5° | 13590.5 | 12765.9 | 11950.7 | 8949.1 | 4743.2 | 3446.3 | 3089.6 | 2739.9 | 2417.9 | 2251.2 |
| 15195.5 | 50°   | 14401.1 | 13574.2 | 12437.1 | 8671.2 | 4569.5 | 3390.7 | 2934.4 | 2522.2 | 2142.3 | 1991.8 |
| 16036.2 | 52.5° | 15204.7 | 14433.5 | 12856.3 | 8275.2 | 4393.5 | 3184.5 | 2735.2 | 2239.6 | 2028.8 | 1924.6 |
| 16904.7 | 55°   | 16013.0 | 15283.5 | 13312.5 | 7698.5 | 3953.5 | 2943.7 | 2401.7 | 2133.1 | 1938.5 | 1843.6 |
| 17754.7 | 57.5° | 16823.6 | 16265.5 | 13745.6 | 7121.8 | 3399.9 | 2647.2 | 2218.8 | 2003.4 | 1848.2 | 1767.1 |
| 18465.7 | 60°   | 17666.7 | 17388.7 | 14192.6 | 6591.4 | 2853.3 | 2267.4 | 2084.4 | 1899.1 | 1741.7 | 1651.3 |
| 19148.9 | 62.5° | 18535.2 | 18625.5 | 14542.3 | 5908.2 | 2350.8 | 2035.8 | 1964.0 | 1774.1 | 1621.2 | 1535.5 |
| 19714.0 | 65°   | 19410.6 | 19818.3 | 14771.6 | 4960.9 | 1906.1 | 1815.8 | 1834.3 | 1637.4 | 1482.3 | 1408.1 |
| 20128.6 | 67.5° | 20070.7 | 20677.5 | 14706.8 | 3754.3 | 1563.3 | 1607.3 | 1672.2 | 1493.8 | 1347.9 | 1290.0 |
| 20061.4 | 70°   | 20144.8 | 20575.6 | 14067.6 | 2570.8 | 1308.6 | 1403.5 | 1491.5 | 1352.6 | 1202.0 | 1160.3 |
| 19116.5 | 72.5° | 19158.2 | 19186.0 | 12286.5 | 1679.1 | 1107.1 | 1232.1 | 1301.6 | 1209.0 | 1063.1 | 1021.4 |
| 16724.0 | 75°   | 16571.2 | 15867.1 | 9020.9  | 1107.1 | 926.4  | 1058.4 | 1123.3 | 1058.4 | 917.1  | 926.4  |
| 12513.5 | 77.5° | 12555.2 | 11237.4 | 5477.4  | 787.4  | 773.6  | 889.4  | 977.4  | 931.0  | 810.6  | 910.2  |
| 6292.6  | 80°   | 6468.7  | 6079.6  | 2443.4  | 588.3  | 611.4  | 711.0  | 803.7  | 743.4  | 641.5  | 611.4  |
| 1405.8  | 82.5° | 1482.3  | 1723.1  | 963.5   | 421.5  | 442.4  | 511.8  | 613.7  | 558.2  | 460.9  | 389.1  |
| 586.0   | 85°   | 518.8   | 567.4   | 426.1   | 264.0  | 259.4  | 319.6  | 416.9  | 372.9  | 312.7  | 250.1  |
| 247.8   | 87.5° | 164.4   | 215.4   | 159.8   | 106.5  | 111.2  | 143.6  | 192.2  | 176.0  | 145.9  | 95.0   |
| 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°   |
|--------|
| 4919.2 |
| 5053.6 |
| 5266.6 |
| 5509.8 |
| 5732.2 |
| 5854.9 |
| 5982.3 |
| 6077.3 |
| 6093.5 |
| 6021.7 |
| 5753.0 |
| 5319.9 |
| 4759.4 |
| 4175.8 |
| 3608.4 |
| 3117.4 |
| 2749.1 |
| 2570.8 |
| 2459.6 |
| 2274.3 |
| 2001.0 |
| 1924.6 |
| 1834.3 |
| 1753.2 |
| 1644.4 |
| 1533.2 |
| 1405.8 |
| 1292.3 |
| 1162.6 |
| 1019.1 |
| 894.0  |
| 801.3  |
| 558.2  |
| 384.5  |
| 264.0  |
| 99.6   |
| 0.0    |