

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: P955945

Luminaire Tested: **GLAN-SB8D-730-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-730-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 81787 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B5 - U0 - G5

Input Watts (W): 584.9  
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



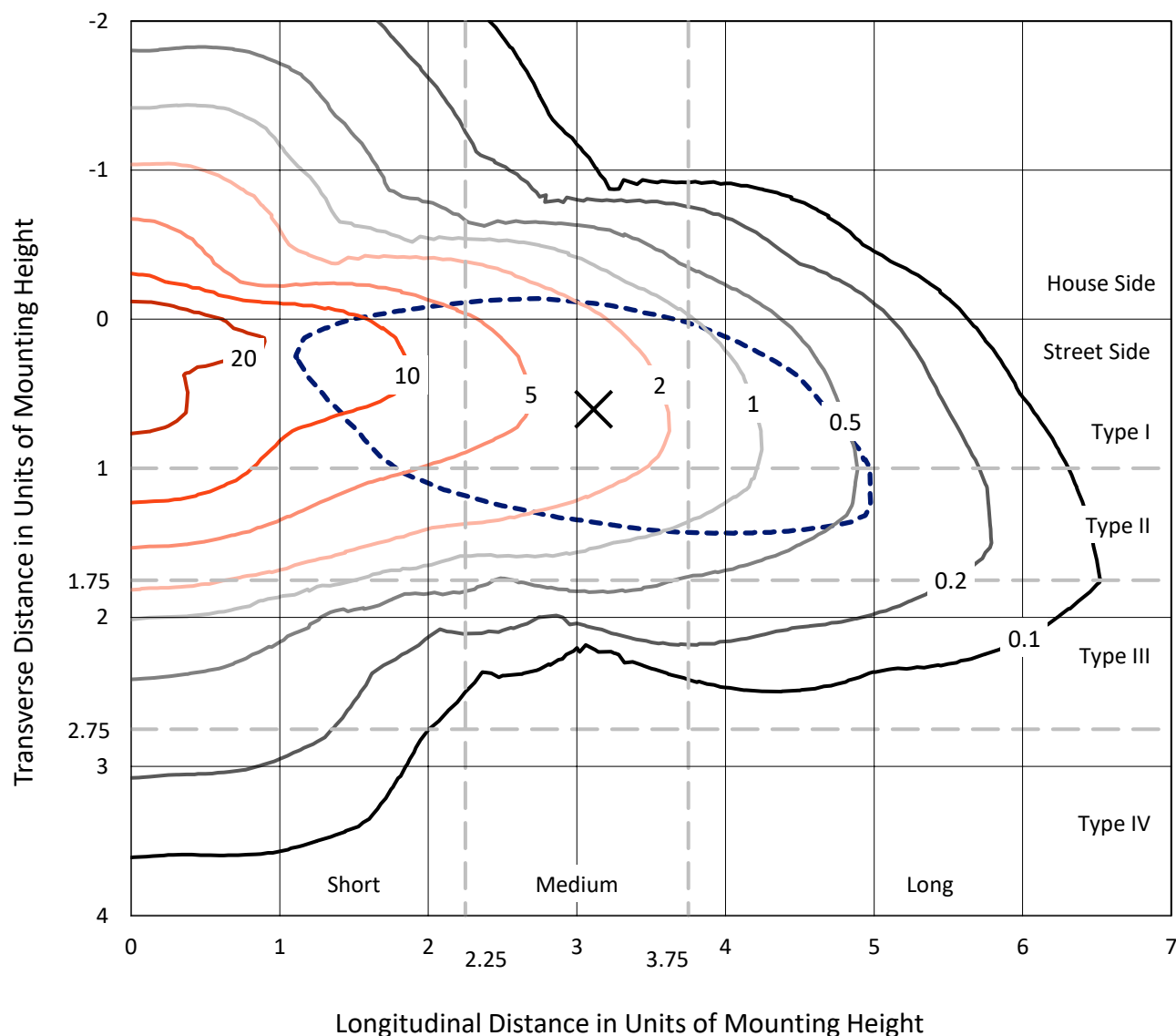
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

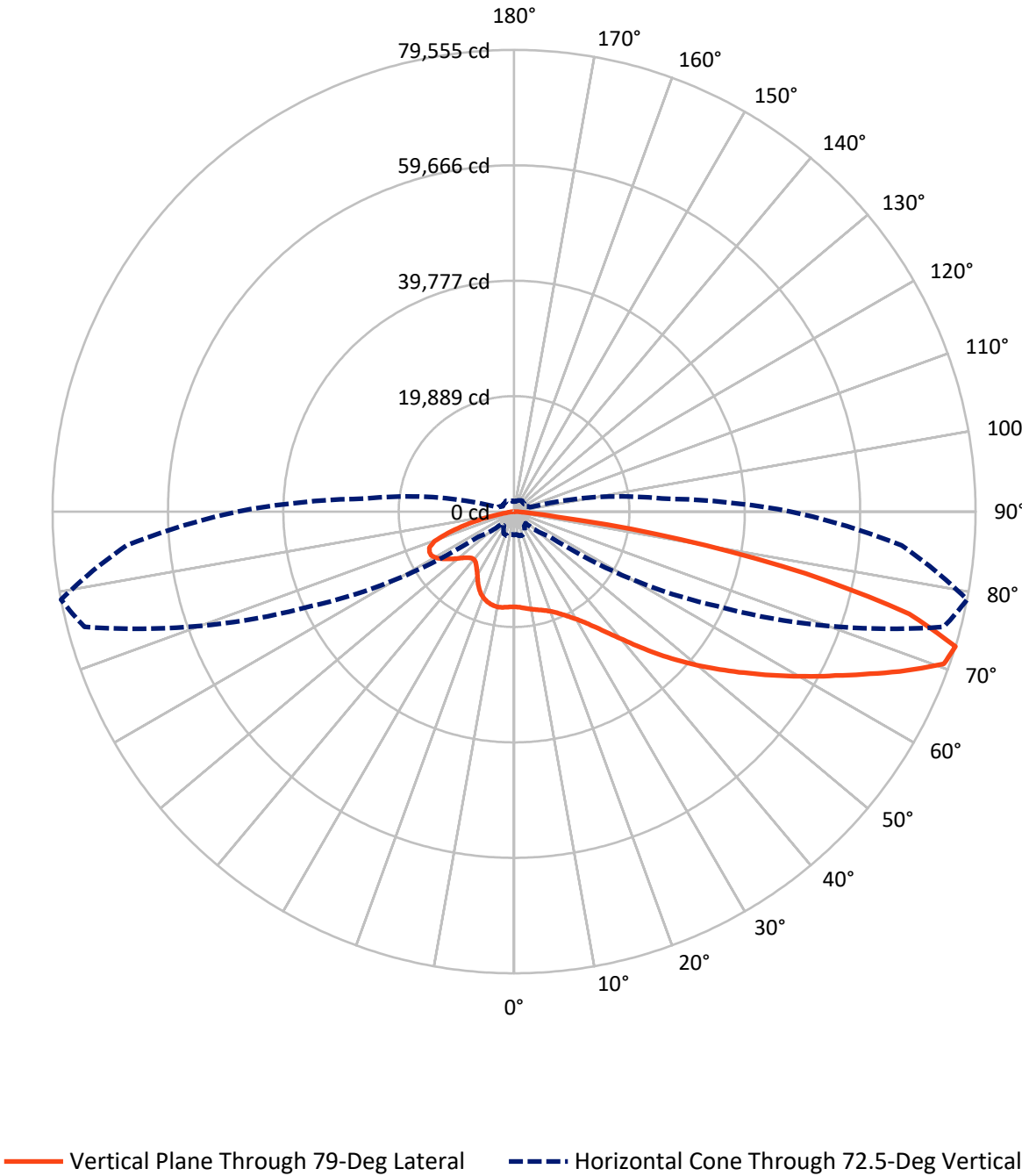
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.4 fc  
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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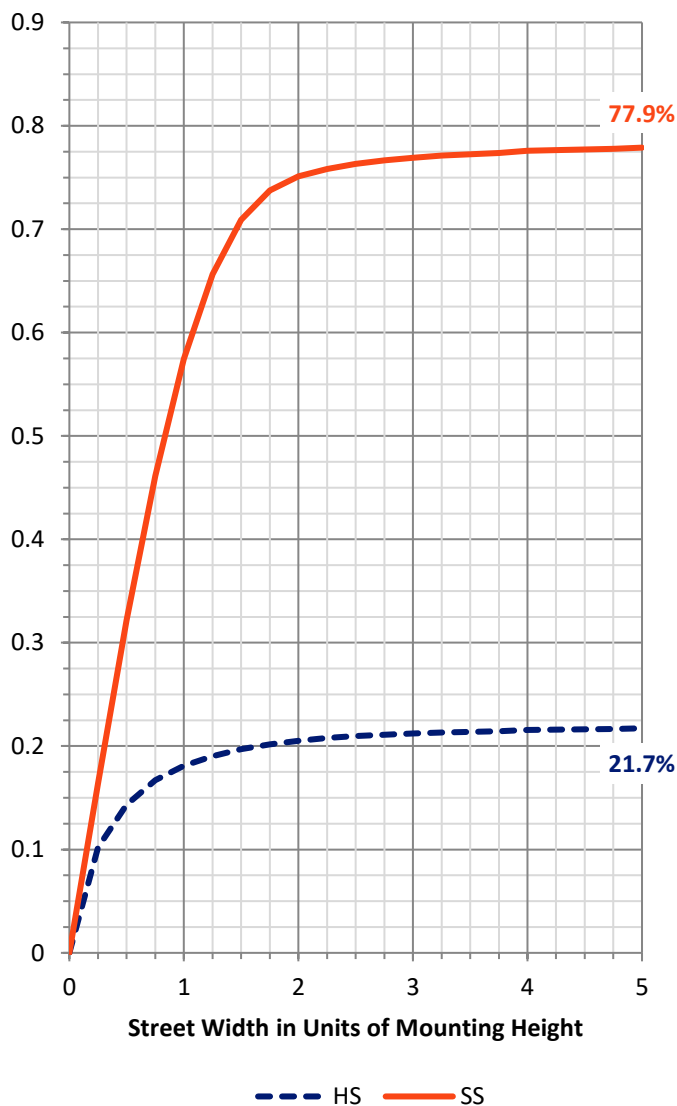
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 17997.6  | 0.0    | 17997.6 |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 63789.4  | 0.0    | 63789.4 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 81787.0  | 0.0    | 81787.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1490.3  | 1.8       |
| 10°-20°   | 3896.3  | 4.8       |
| 20°-30°   | 6287.1  | 7.7       |
| 30°-40°   | 9436.0  | 11.5      |
| 40°-50°   | 13385.5 | 16.4      |
| 50°-60°   | 16904.1 | 20.7      |
| 60°-70°   | 17168.5 | 21.0      |
| 70°-80°   | 11701.1 | 14.3      |
| 80°-90°   | 1518.1  | 1.9       |
| 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°    | 81787.0 | 100.0     |
| 0°-180°   | 81787.0 | 100.0     |

**Coefficient of Utilization**



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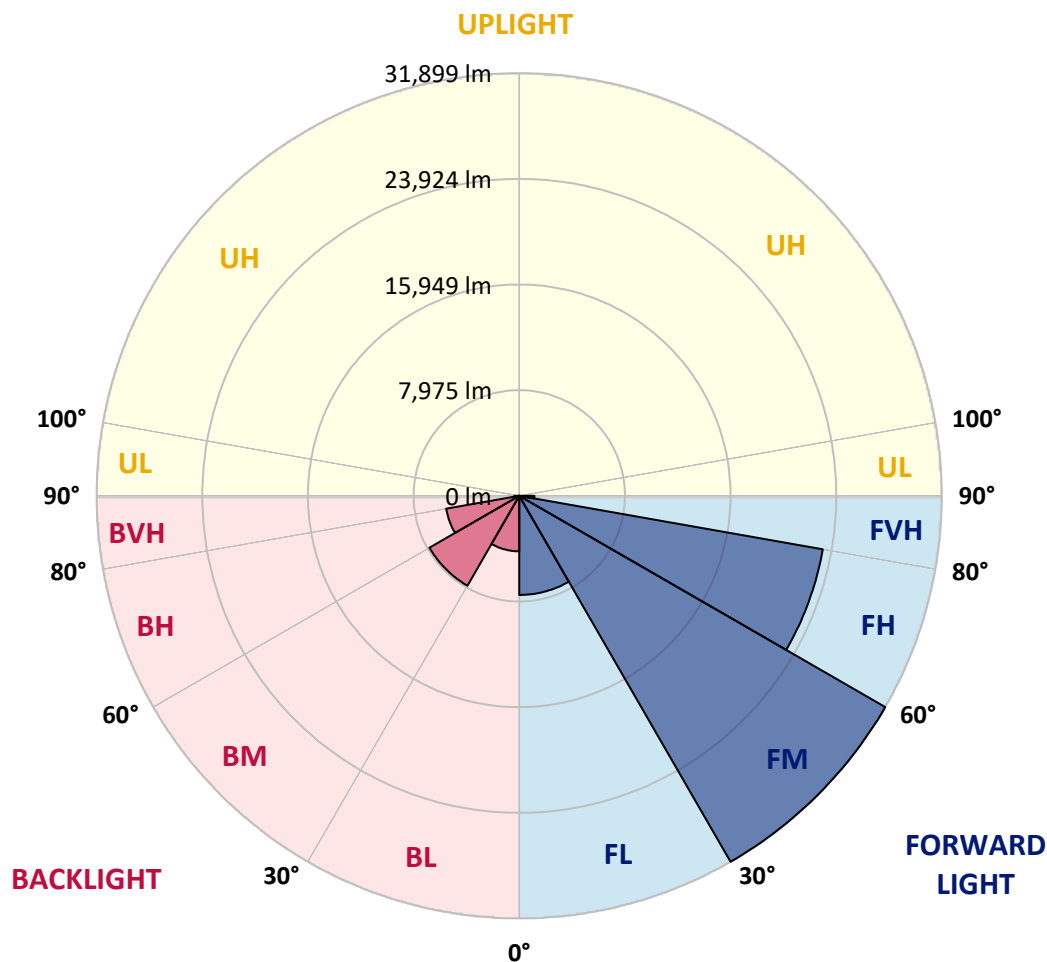
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 7481.5  | 9.1       |                         |      |        |
| FM   | (30°-60°)   | 31898.6 | 39.0      |                         |      |        |
| FH   | (60°-80°)   | 23265.6 | 28.4      |                         |      | G5     |
| FVH  | (80°-90°)   | 1143.6  | 1.4       |                         |      | G5     |
| BL   | (0°-30°)    | 4192.2  | 5.1       | B4/5000                 |      |        |
| BM   | (30°-60°)   | 7827.1  | 9.6       | B4/8500                 |      |        |
| BH   | (60°-80°)   | 5603.9  | 6.9       | B5                      |      | G5     |
| BVH  | (80°-90°)   | 374.5   | 0.5       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 |
| 2.5°  | 16426.6 | 16348.7 | 16396.3 | 16379.0 | 16400.7 | 16426.6 | 16435.3 | 16448.2 | 16491.5 | 16487.2 |
| 5°    | 16392.0 | 16314.1 | 16379.0 | 16357.4 | 16413.6 | 16474.2 | 16526.1 | 16573.7 | 16642.9 | 16673.2 |
| 7.5°  | 16318.5 | 16266.5 | 16331.4 | 16396.3 | 16500.2 | 16591.0 | 16664.6 | 16772.7 | 16872.2 | 16889.5 |
| 10°   | 15890.2 | 15851.2 | 16002.6 | 16171.4 | 16456.9 | 16703.5 | 16863.6 | 16989.0 | 17097.2 | 17114.5 |
| 12.5° | 15444.6 | 15397.0 | 15565.7 | 15795.0 | 16257.9 | 16703.5 | 17040.9 | 17205.3 | 17300.5 | 17356.7 |
| 15°   | 15371.0 | 15332.1 | 15427.3 | 15626.3 | 16011.3 | 16586.7 | 17162.1 | 17464.9 | 17547.1 | 17612.0 |
| 17.5° | 15725.8 | 15652.2 | 15691.2 | 15760.4 | 15985.3 | 16478.5 | 17257.2 | 17759.1 | 17884.5 | 17953.8 |
| 20°   | 16547.7 | 16443.9 | 16383.4 | 16244.9 | 16206.0 | 16495.8 | 17248.6 | 18113.8 | 18278.2 | 18364.8 |
| 22.5° | 17642.3 | 17573.1 | 17443.3 | 17092.9 | 16712.1 | 16707.8 | 17413.0 | 18568.1 | 18875.2 | 18957.4 |
| 25°   | 18966.1 | 18862.3 | 18697.9 | 18222.0 | 17490.9 | 17127.5 | 17689.9 | 19147.8 | 19662.6 | 19684.3 |
| 27.5° | 20488.9 | 20333.2 | 20108.2 | 19480.9 | 18494.5 | 17785.0 | 18113.8 | 19814.0 | 20566.8 | 20558.1 |
| 30°   | 22093.9 | 21938.2 | 21700.3 | 20938.9 | 19697.2 | 18671.9 | 18702.2 | 20532.2 | 21639.7 | 21592.1 |
| 32.5° | 23266.4 | 23149.5 | 23102.0 | 22513.6 | 21081.6 | 19718.9 | 19377.1 | 21328.2 | 22963.5 | 22920.3 |
| 35°   | 24166.2 | 24014.8 | 24071.0 | 23772.5 | 22591.5 | 20891.3 | 20203.4 | 22275.6 | 24572.9 | 24568.5 |
| 37.5° | 25057.4 | 24923.3 | 24970.9 | 24771.9 | 23988.8 | 22379.5 | 21211.4 | 23435.1 | 26567.2 | 26662.4 |
| 40°   | 25870.7 | 25728.0 | 25918.3 | 25732.3 | 25074.7 | 23962.9 | 22357.8 | 24745.9 | 28877.4 | 29059.1 |
| 42.5° | 26359.6 | 26247.1 | 26562.9 | 26567.2 | 26017.8 | 25299.7 | 23616.8 | 26190.9 | 31551.0 | 31957.7 |
| 45°   | 26528.3 | 26489.4 | 26965.3 | 27064.8 | 26852.8 | 26074.1 | 24750.2 | 27765.6 | 34432.3 | 35159.1 |
| 47.5° | 26346.6 | 26273.1 | 26930.7 | 27298.4 | 27467.1 | 26437.5 | 25689.0 | 29470.1 | 37374.1 | 38438.4 |
| 50°   | 25429.5 | 25286.7 | 26264.4 | 27038.8 | 27640.1 | 26675.4 | 26636.5 | 31438.6 | 40718.3 | 41882.0 |
| 52.5° | 23781.2 | 23673.0 | 24784.9 | 26130.3 | 27259.4 | 26792.2 | 27700.7 | 33588.7 | 43893.7 | 45399.2 |
| 55°   | 21674.3 | 21531.5 | 22755.9 | 24512.3 | 26312.0 | 26753.3 | 28765.0 | 35994.1 | 47640.2 | 49167.4 |
| 57.5° | 18334.5 | 18048.9 | 19597.7 | 21674.3 | 24767.5 | 26705.7 | 29872.5 | 38386.5 | 51447.3 | 53277.3 |
| 60°   | 13463.2 | 13039.2 | 14938.4 | 17400.0 | 21747.9 | 26242.8 | 31243.9 | 41068.7 | 56015.8 | 57664.0 |
| 62.5° | 7839.1  | 7592.5  | 8834.1  | 11131.3 | 16392.0 | 23517.3 | 32013.9 | 44187.9 | 60506.4 | 62236.8 |
| 65°   | 6087.0  | 6017.8  | 6125.9  | 6303.3  | 9124.0  | 17607.7 | 29638.9 | 47229.2 | 66217.0 | 67428.3 |
| 67.5° | 5567.8  | 5515.9  | 5563.5  | 5230.4  | 4629.0  | 9807.5  | 23448.1 | 47999.3 | 72334.2 | 73069.7 |
| 70°   | 4949.2  | 4888.6  | 5044.4  | 4758.8  | 3642.7  | 4460.3  | 15150.4 | 45204.6 | 77201.2 | 78581.3 |
| 72.5° | 4032.0  | 3962.8  | 4326.2  | 4196.4  | 3067.3  | 2864.0  | 7609.8  | 38563.8 | 76690.7 | 79554.7 |
| 75°   | 3097.6  | 3058.6  | 3491.3  | 3599.4  | 2500.5  | 2254.0  | 3651.3  | 28665.5 | 67488.9 | 70374.4 |
| 77.5° | 2405.4  | 2375.1  | 2595.7  | 2989.4  | 2016.0  | 1747.8  | 2245.3  | 18183.1 | 50858.9 | 51365.1 |
| 80°   | 1804.0  | 1717.5  | 1920.8  | 2314.5  | 1570.4  | 1276.2  | 1522.8  | 10603.5 | 32148.1 | 29141.3 |
| 82.5° | 1129.1  | 1085.9  | 1254.6  | 1544.5  | 1107.5  | 878.2   | 990.7   | 5857.7  | 12883.4 | 7588.2  |
| 85°   | 644.6   | 627.3   | 683.5   | 882.5   | 601.3   | 506.2   | 566.7   | 2587.1  | 2353.5  | 1618.0  |
| 87.5° | 259.6   | 250.9   | 311.5   | 393.7   | 220.6   | 186.0   | 199.0   | 623.0   | 519.1   | 480.2   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 16418.0 | 0°    | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 | 16418.0 |
| 16482.9 | 2.5°  | 16465.6 | 16465.6 | 16405.0 | 16309.8 | 16201.7 | 16132.4 | 16020.0 | 15989.7 | 15872.9 | 15838.3 |
| 16629.9 | 5°    | 16664.6 | 16629.9 | 16443.9 | 16175.7 | 15808.0 | 15470.5 | 15098.5 | 14864.9 | 14536.1 | 14419.3 |
| 16919.8 | 7.5°  | 16915.5 | 16820.3 | 16500.2 | 15911.8 | 15141.7 | 14384.6 | 13597.3 | 13000.3 | 12429.2 | 12225.9 |
| 17157.7 | 10°   | 17144.8 | 17010.7 | 16465.6 | 15435.9 | 14103.4 | 12792.6 | 11538.0 | 10659.8 | 9993.5  | 9721.0  |
| 17421.6 | 12.5° | 17374.1 | 17127.5 | 16236.3 | 14644.2 | 12628.2 | 10850.1 | 9513.3  | 8829.8  | 8418.8  | 8090.0  |
| 17638.0 | 15°   | 17590.4 | 17244.3 | 15881.5 | 13584.3 | 11010.2 | 9206.2  | 8219.8  | 7674.7  | 7345.9  | 7129.6  |
| 17953.8 | 17.5° | 17841.3 | 17343.8 | 15349.4 | 12238.8 | 9470.1  | 8068.4  | 7263.7  | 6934.9  | 6870.0  | 6844.1  |
| 18386.4 | 20°   | 18191.7 | 17434.6 | 14648.5 | 10733.3 | 8336.6  | 7159.9  | 6744.6  | 6714.3  | 6709.9  | 6697.0  |
| 18905.5 | 22.5° | 18568.1 | 17542.8 | 13722.7 | 9366.2  | 7371.9  | 6593.1  | 6519.6  | 6459.0  | 6420.1  | 6415.8  |
| 19532.8 | 25°   | 19013.7 | 17577.4 | 12563.3 | 8245.8  | 6549.9  | 6324.9  | 6238.4  | 6147.5  | 6121.6  | 6121.6  |
| 20246.7 | 27.5° | 19446.3 | 17460.6 | 11213.5 | 7272.4  | 6087.0  | 6078.3  | 5965.8  | 5935.6  | 5931.2  | 5944.2  |
| 21060.0 | 30°   | 19878.9 | 17239.9 | 9872.4  | 6372.5  | 5818.8  | 5818.8  | 5779.8  | 5801.4  | 5818.8  | 5862.0  |
| 22176.1 | 32.5° | 20463.0 | 17006.3 | 8751.9  | 5706.3  | 5585.1  | 5541.9  | 5580.8  | 5624.1  | 5641.4  | 5697.6  |
| 23642.7 | 35°   | 21319.6 | 16841.9 | 7860.7  | 5342.9  | 5342.9  | 5286.6  | 5308.3  | 5299.6  | 5260.7  | 5234.7  |
| 25416.5 | 37.5° | 22453.0 | 16833.3 | 7125.3  | 5174.1  | 5139.5  | 5130.9  | 5135.2  | 5079.0  | 4927.6  | 4745.9  |
| 27562.3 | 40°   | 23815.8 | 17066.9 | 6558.5  | 5057.3  | 5031.4  | 5083.3  | 5057.3  | 4905.9  | 4490.6  | 4174.8  |
| 30201.3 | 42.5° | 25645.8 | 17733.1 | 6195.1  | 4914.6  | 4992.4  | 5057.3  | 4953.5  | 4430.0  | 4148.8  | 3936.9  |
| 33208.0 | 45°   | 27800.2 | 18814.7 | 6009.1  | 4763.2  | 4918.9  | 4996.8  | 4494.9  | 4265.6  | 4040.7  | 3785.4  |
| 36487.2 | 47.5° | 30240.2 | 20177.4 | 5965.8  | 4620.4  | 4754.5  | 4802.1  | 4300.3  | 4196.4  | 3941.2  | 3664.3  |
| 39783.8 | 50°   | 32896.5 | 21791.1 | 6082.6  | 4451.7  | 4516.6  | 4352.2  | 4235.4  | 4140.2  | 3876.3  | 3603.7  |
| 43162.6 | 52.5° | 35643.6 | 23569.2 | 6316.3  | 4222.4  | 4278.6  | 4096.9  | 4209.4  | 4127.2  | 3837.3  | 3469.6  |
| 46653.8 | 55°   | 38343.2 | 25360.2 | 6541.2  | 3954.2  | 4036.4  | 3867.6  | 4135.9  | 4075.3  | 3660.0  | 3244.7  |
| 50378.7 | 57.5° | 41086.0 | 27142.6 | 6761.9  | 3716.2  | 3802.7  | 3647.0  | 4019.0  | 3936.9  | 3461.0  | 3037.0  |
| 54445.3 | 60°   | 43937.0 | 28873.1 | 6865.7  | 3486.9  | 3547.5  | 3443.7  | 3841.7  | 3698.9  | 3236.0  | 2825.0  |
| 58442.8 | 62.5° | 46606.2 | 30313.7 | 6697.0  | 3257.6  | 3296.6  | 3253.3  | 3608.1  | 3417.7  | 3011.0  | 2587.1  |
| 62608.9 | 65°   | 49284.2 | 31170.3 | 6177.8  | 3032.7  | 3041.3  | 3019.7  | 3279.3  | 3114.9  | 2747.1  | 2379.4  |
| 66255.9 | 67.5° | 51711.2 | 31650.5 | 5351.5  | 2790.4  | 2768.8  | 2760.1  | 2972.1  | 2786.1  | 2491.9  | 2171.8  |
| 69029.0 | 70°   | 52226.0 | 30430.6 | 4088.3  | 2504.9  | 2504.9  | 2483.2  | 2634.7  | 2444.3  | 2210.7  | 1951.1  |
| 67043.3 | 72.5° | 47700.8 | 25598.2 | 2902.9  | 2180.4  | 2215.0  | 2171.8  | 2297.2  | 2137.1  | 1925.2  | 1752.1  |
| 57780.8 | 75°   | 38464.3 | 18771.4 | 2111.2  | 1847.3  | 1907.9  | 1834.3  | 1951.1  | 1838.6  | 1656.9  | 1652.6  |
| 39818.4 | 77.5° | 26428.8 | 11607.2 | 1531.5  | 1522.8  | 1566.1  | 1470.9  | 1605.0  | 1544.5  | 1380.1  | 1306.5  |
| 17330.8 | 80°   | 11278.4 | 4629.0  | 1116.2  | 1176.7  | 1176.7  | 1090.2  | 1245.9  | 1263.3  | 1120.5  | 1085.9  |
| 3344.2  | 82.5° | 2245.3  | 1315.2  | 783.0   | 809.0   | 761.4   | 735.5   | 882.5   | 977.7   | 1349.8  | 1501.2  |
| 1008.0  | 85°   | 674.9   | 484.5   | 471.6   | 441.3   | 389.4   | 393.7   | 519.1   | 982.0   | 1211.3  | 692.2   |
| 333.1   | 87.5° | 186.0   | 121.1   | 125.5   | 99.5    | 82.2    | 108.2   | 177.4   | 744.1   | 406.7   | 173.0   |
| 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°    |
|---------|
| 16418.0 |
| 15894.5 |
| 14505.8 |
| 12251.8 |
| 9781.6  |
| 8198.2  |
| 7168.5  |
| 6861.4  |
| 6740.2  |
| 6463.4  |
| 6147.5  |
| 5978.8  |
| 5892.3  |
| 5745.2  |
| 5295.3  |
| 4750.2  |
| 4166.1  |
| 3928.2  |
| 3768.1  |
| 3642.7  |
| 3573.4  |
| 3443.7  |
| 3223.0  |
| 3028.3  |
| 2812.0  |
| 2582.7  |
| 2353.5  |
| 2145.8  |
| 1942.5  |
| 1700.2  |
| 1488.2  |
| 1224.3  |
| 1085.9  |
| 1505.5  |
| 597.0   |
| 147.1   |
| 0.0     |