

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: P944345

Luminaire Tested: **GLAN-SB9B-730-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944345  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 50820 lumens  
Efficiency: N/A  
Efficacy: 154.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - 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

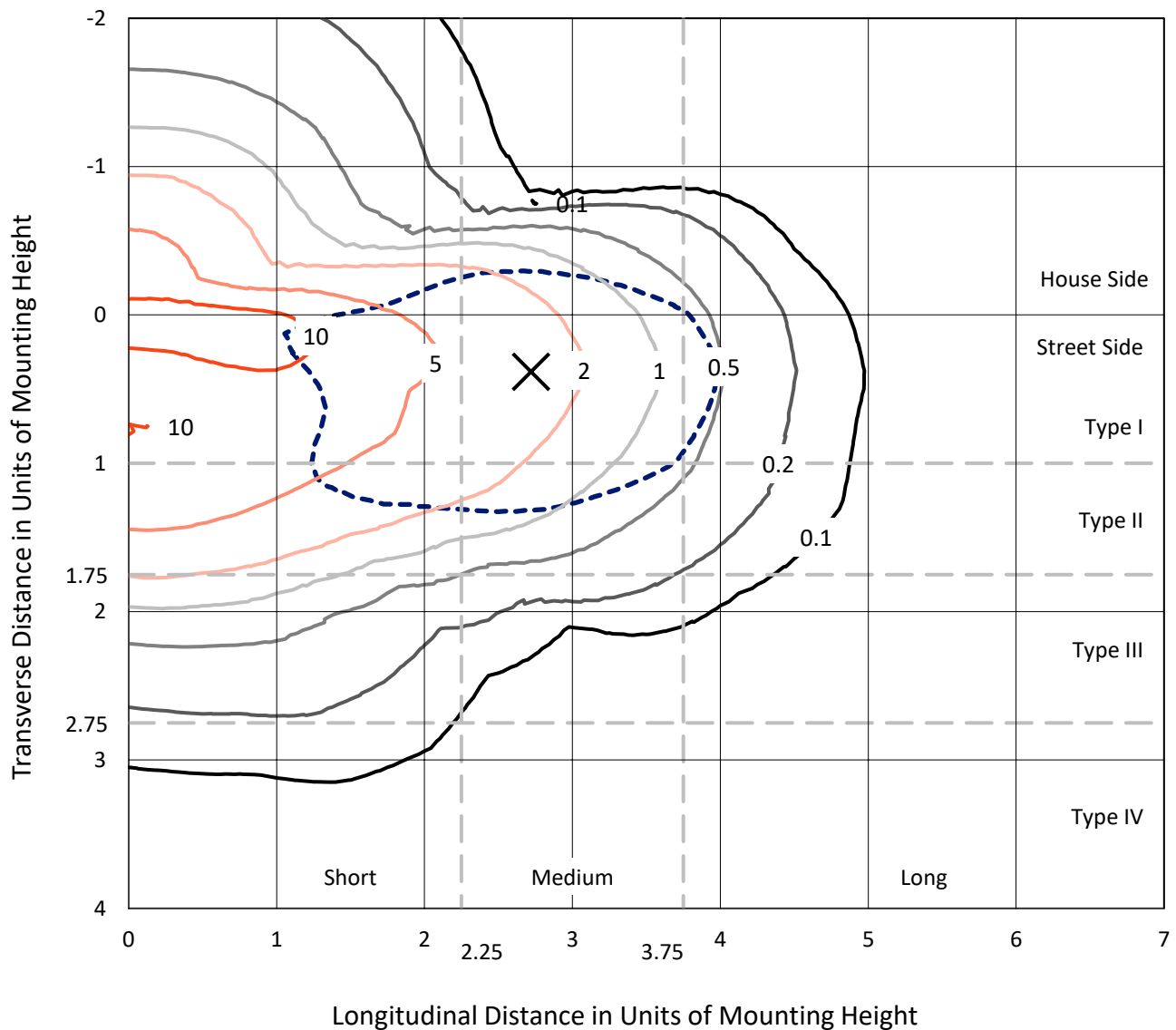


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## Iso-Footcandle Lines of Horizontal Illumination

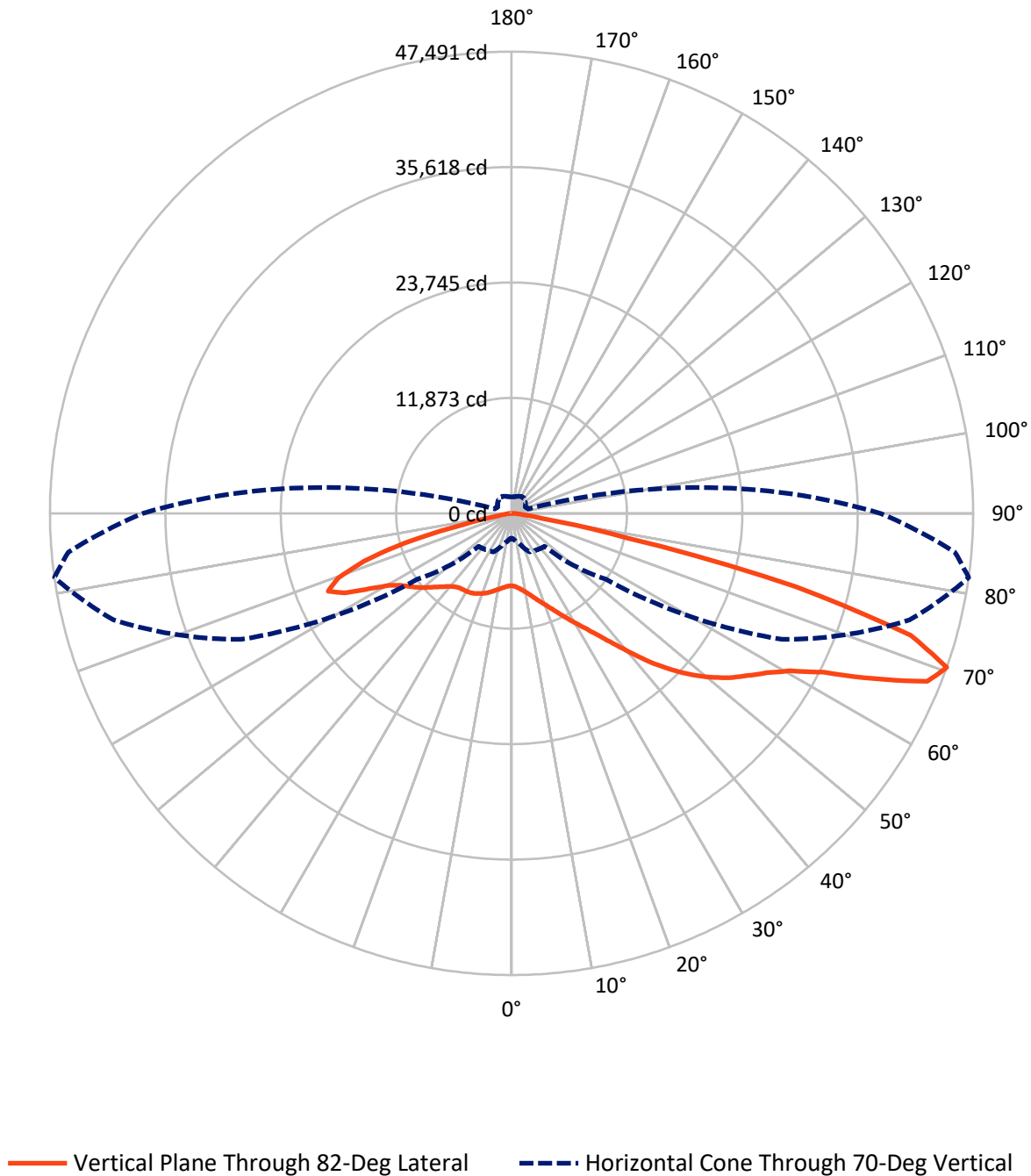
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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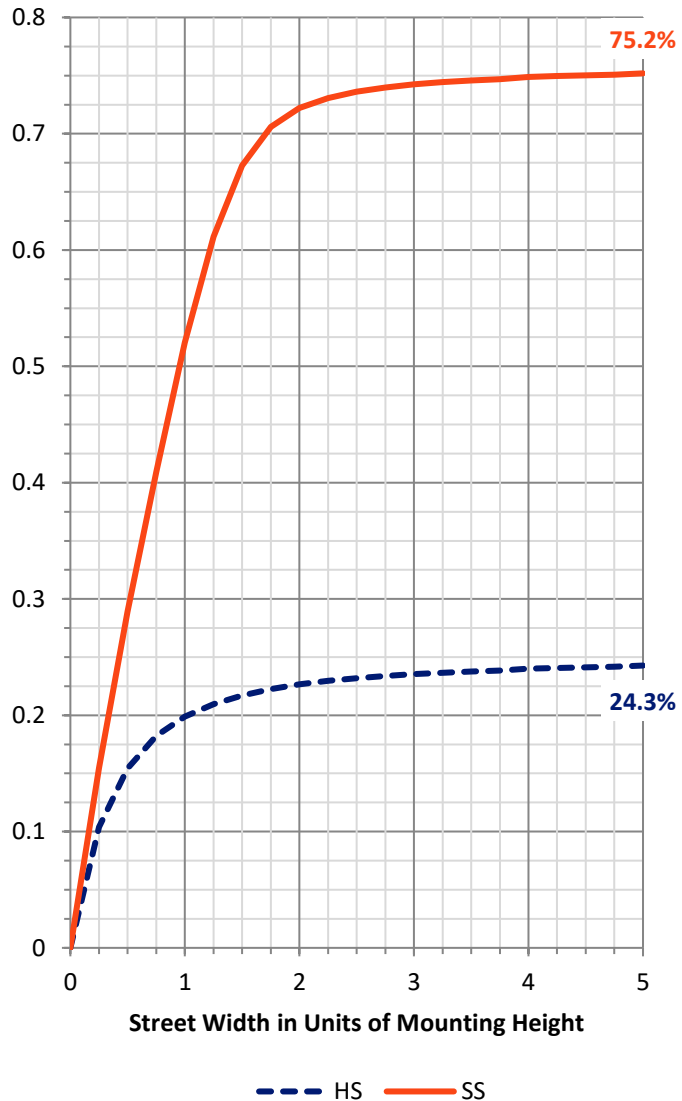
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12528.4  | 0.0    | 12528.4 |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 38291.6  | 0.0    | 38291.6 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 50820.0  | 0.0    | 50820.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 703.5   | 1.4       |
| 10°-20°   | 2021.2  | 4.0       |
| 20°-30°   | 3381.2  | 6.7       |
| 30°-40°   | 5282.3  | 10.4      |
| 40°-50°   | 8412.7  | 16.6      |
| 50°-60°   | 11707.3 | 23.0      |
| 60°-70°   | 12246.4 | 24.1      |
| 70°-80°   | 6400.6  | 12.6      |
| 80°-90°   | 664.6   | 1.3       |
| 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°    | 50820.0 | 100.0     |
| 0°-180°   | 50820.0 | 100.0     |

**Coefficient of Utilization**



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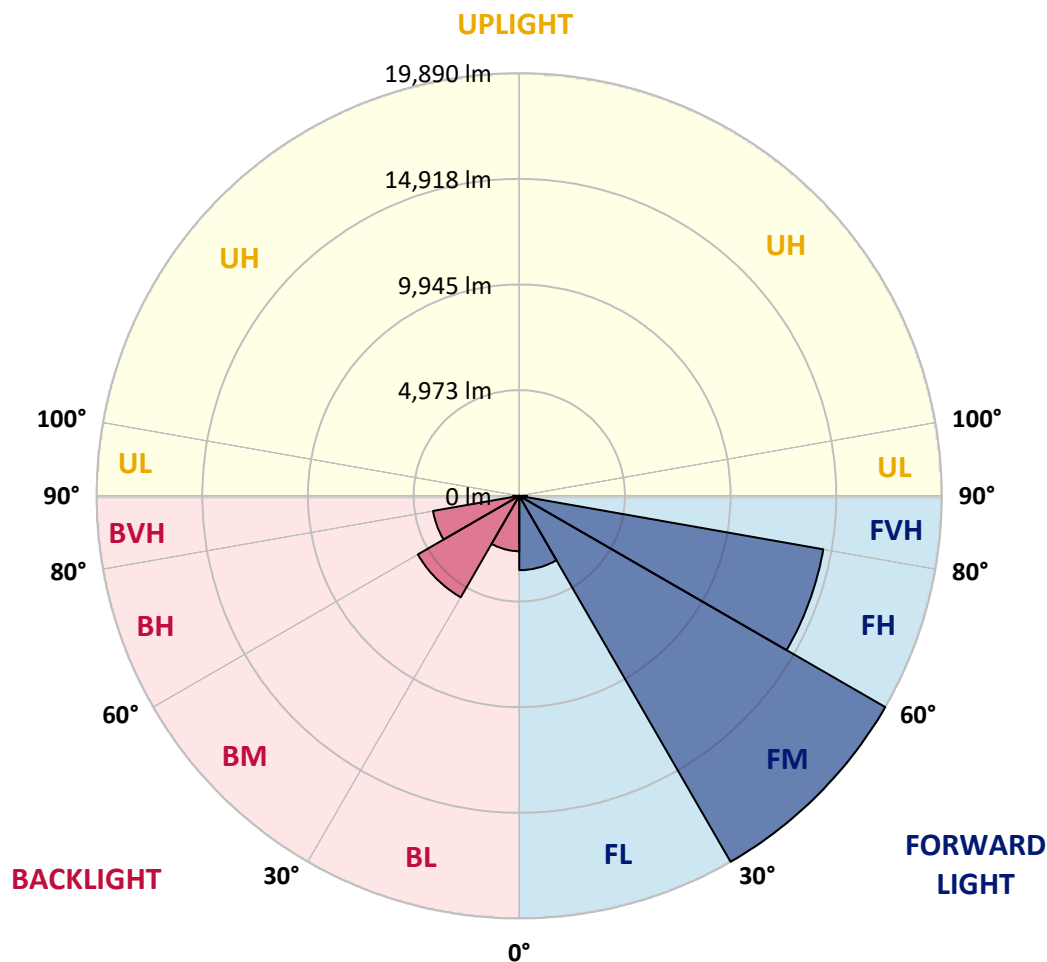
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3499.5  | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 19890.4 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 14529.6 | 28.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 372.1   | 0.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2606.4  | 5.1       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5512.0  | 10.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4117.5  | 8.1       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 292.6   | 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-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7450.8  | 7450.8  | 7450.8  | 7450.8  | 7450.8  | 7450.8  | 7450.8  | 7450.8  | 7450.8  | 7450.8  |
| 2.5°  | 7628.8  | 7672.0  | 7658.5  | 7645.0  | 7645.0  | 7626.1  | 7623.4  | 7596.5  | 7574.9  | 7539.8  |
| 5°    | 7725.9  | 7771.7  | 7766.4  | 7777.1  | 7812.2  | 7820.3  | 7828.4  | 7812.2  | 7769.1  | 7725.9  |
| 7.5°  | 7639.6  | 7690.8  | 7707.0  | 7771.7  | 7879.6  | 7976.7  | 8049.5  | 8079.2  | 8038.7  | 7976.7  |
| 10°   | 7348.4  | 7405.0  | 7461.6  | 7615.3  | 7806.8  | 8036.0  | 8230.2  | 8346.1  | 8338.0  | 8278.7  |
| 12.5° | 6757.8  | 6817.1  | 6938.5  | 7237.8  | 7588.4  | 7992.9  | 8354.2  | 8596.9  | 8680.5  | 8637.4  |
| 15°   | 6285.9  | 6337.1  | 6428.8  | 6736.2  | 7192.0  | 7806.8  | 8400.1  | 8872.0  | 9085.0  | 9060.7  |
| 17.5° | 6272.4  | 6294.0  | 6350.6  | 6496.2  | 6846.8  | 7515.6  | 8351.5  | 9141.6  | 9548.8  | 9546.1  |
| 20°   | 6509.7  | 6517.8  | 6550.2  | 6579.8  | 6779.4  | 7294.4  | 8227.5  | 9365.5  | 10069.3 | 10069.3 |
| 22.5° | 6838.7  | 6833.3  | 6865.7  | 6838.7  | 6935.8  | 7275.6  | 8149.3  | 9562.3  | 10649.1 | 10692.2 |
| 25°   | 7332.2  | 7305.2  | 7297.1  | 7235.1  | 7254.0  | 7450.8  | 8235.6  | 9786.1  | 11336.7 | 11425.7 |
| 27.5° | 7990.2  | 7947.0  | 7917.4  | 7774.4  | 7725.9  | 7812.2  | 8499.8  | 10055.8 | 12102.6 | 12256.3 |
| 30°   | 8847.7  | 8769.5  | 8726.4  | 8478.3  | 8303.0  | 8316.5  | 8898.9  | 10414.5 | 12903.5 | 13151.6 |
| 32.5° | 10018.1 | 9896.7  | 9780.8  | 9373.6  | 9052.7  | 8947.5  | 9414.0  | 10910.7 | 13771.8 | 14168.2 |
| 35°   | 11328.6 | 11231.6 | 11107.5 | 10479.2 | 9985.7  | 9743.0  | 10109.7 | 11603.7 | 14788.4 | 15416.8 |
| 37.5° | 12590.7 | 12507.1 | 12566.4 | 11719.6 | 11083.2 | 10730.0 | 11021.2 | 12534.0 | 16042.4 | 16970.0 |
| 40°   | 13895.8 | 13831.1 | 13839.2 | 13030.2 | 12288.6 | 11892.2 | 12126.8 | 13701.7 | 17479.7 | 18817.2 |
| 42.5° | 15314.3 | 15265.7 | 15103.9 | 14386.6 | 13553.4 | 13183.9 | 13399.7 | 15050.0 | 19022.2 | 20920.6 |
| 45°   | 16902.6 | 16872.9 | 16721.9 | 15899.5 | 14944.8 | 14529.6 | 14820.8 | 16538.6 | 20572.8 | 22900.0 |
| 47.5° | 18275.2 | 18299.5 | 18280.6 | 17587.6 | 16597.9 | 15988.4 | 16336.3 | 18091.8 | 22015.5 | 24760.7 |
| 50°   | 18935.9 | 19062.6 | 19248.7 | 19033.0 | 18418.1 | 17797.9 | 17865.3 | 19591.2 | 23390.8 | 26505.4 |
| 52.5° | 18590.7 | 18830.7 | 19337.7 | 19682.9 | 19920.2 | 19790.7 | 19610.0 | 21079.7 | 24685.1 | 28080.2 |
| 55°   | 17304.4 | 17641.5 | 18482.8 | 19316.1 | 20526.9 | 21468.0 | 21705.3 | 22730.1 | 25947.2 | 29466.3 |
| 57.5° | 14961.0 | 15508.4 | 16263.5 | 17948.9 | 19987.6 | 22279.7 | 24148.5 | 25019.5 | 27284.7 | 30946.8 |
| 60°   | 10943.0 | 11676.5 | 12614.9 | 15122.8 | 18099.9 | 21845.6 | 26227.6 | 28536.0 | 29185.9 | 32864.1 |
| 62.5° | 7003.2  | 7456.2  | 8319.2  | 10681.4 | 14103.5 | 19620.8 | 26864.0 | 32931.5 | 32408.4 | 36008.4 |
| 65°   | 4794.6  | 5085.9  | 5876.0  | 7202.8  | 9117.4  | 14605.1 | 25159.8 | 36226.8 | 37526.6 | 40991.8 |
| 67.5° | 3484.1  | 3705.2  | 4379.4  | 5541.6  | 5940.7  | 8642.8  | 19523.8 | 36075.8 | 42501.9 | 46126.2 |
| 70°   | 2540.2  | 2696.7  | 3262.9  | 4379.4  | 4570.8  | 4808.1  | 11827.5 | 30666.3 | 42394.1 | 47490.7 |
| 72.5° | 1882.3  | 1990.1  | 2370.4  | 3397.8  | 3699.8  | 3246.8  | 5854.4  | 22287.8 | 36429.1 | 42955.0 |
| 75°   | 1361.8  | 1442.7  | 1723.2  | 2599.6  | 2960.9  | 2472.8  | 2920.5  | 13024.8 | 25410.5 | 30216.0 |
| 77.5° | 1040.9  | 1102.9  | 1286.3  | 1903.8  | 2370.4  | 1855.3  | 1812.1  | 5992.0  | 12048.6 | 12108.0 |
| 80°   | 836.0   | 876.4   | 976.2   | 1340.2  | 1817.5  | 1388.8  | 1181.1  | 2418.9  | 3807.7  | 3222.5  |
| 82.5° | 614.8   | 682.3   | 825.2   | 941.1   | 1299.8  | 957.3   | 720.0   | 1221.6  | 1448.1  | 1245.9  |
| 85°   | 350.6   | 396.4   | 498.9   | 674.2   | 830.6   | 585.2   | 412.6   | 542.0   | 674.2   | 552.8   |
| 87.5° | 124.0   | 161.8   | 175.3   | 264.3   | 361.4   | 242.7   | 159.1   | 156.4   | 221.1   | 164.5   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7450.8  | 0°    | 7450.8  | 7450.8  | 7450.8 | 7450.8 | 7450.8 | 7450.8 | 7450.8 | 7450.8 | 7450.8 | 7450.8 |
| 7531.7  | 2.5°  | 7504.8  | 7491.3  | 7437.4 | 7364.6 | 7289.0 | 7216.2 | 7192.0 | 7140.7 | 7105.7 | 7086.8 |
| 7707.0  | 5°    | 7655.8  | 7612.6  | 7485.9 | 7324.1 | 7154.2 | 6970.8 | 6841.4 | 6722.8 | 6636.5 | 6555.6 |
| 7947.0  | 7.5°  | 7871.5  | 7796.0  | 7577.6 | 7294.4 | 6992.4 | 6687.7 | 6461.2 | 6288.6 | 6172.6 | 6097.1 |
| 8227.5  | 10°   | 8122.3  | 8006.4  | 7672.0 | 7248.6 | 6782.1 | 6345.2 | 6078.3 | 5929.9 | 5857.1 | 5816.7 |
| 8548.4  | 12.5° | 8410.9  | 8246.4  | 7769.1 | 7143.4 | 6461.2 | 5962.3 | 5778.9 | 5735.8 | 5738.5 | 5741.2 |
| 8952.9  | 15°   | 8766.8  | 8537.6  | 7847.3 | 6914.2 | 6043.2 | 5668.4 | 5636.0 | 5706.1 | 5778.9 | 5814.0 |
| 9411.3  | 17.5° | 9168.6  | 8845.0  | 7860.7 | 6536.7 | 5633.3 | 5479.6 | 5582.1 | 5733.1 | 5843.6 | 5892.2 |
| 9923.7  | 20°   | 9600.1  | 9157.8  | 7763.7 | 6002.7 | 5296.2 | 5325.9 | 5509.3 | 5703.4 | 5824.8 | 5886.8 |
| 10508.9 | 22.5° | 10093.6 | 9492.2  | 7531.7 | 5441.8 | 5021.2 | 5158.7 | 5374.4 | 5563.2 | 5689.9 | 5752.0 |
| 11196.5 | 25°   | 10657.2 | 9867.0  | 7167.7 | 4969.9 | 4783.9 | 4969.9 | 5185.7 | 5342.1 | 5444.5 | 5501.2 |
| 11965.0 | 27.5° | 11282.8 | 10258.1 | 6682.3 | 4595.1 | 4576.2 | 4775.8 | 4953.7 | 5075.1 | 5129.0 | 5172.2 |
| 12782.1 | 30°   | 11911.1 | 10614.0 | 6094.4 | 4311.9 | 4395.5 | 4584.3 | 4711.0 | 4765.0 | 4781.2 | 4789.3 |
| 13693.6 | 32.5° | 12590.7 | 10921.4 | 5476.9 | 4077.3 | 4223.0 | 4398.2 | 4473.7 | 4498.0 | 4422.5 | 4371.3 |
| 14799.2 | 35°   | 13413.1 | 11250.4 | 4872.8 | 3891.3 | 4053.1 | 4204.1 | 4228.3 | 4206.8 | 4117.8 | 4012.6 |
| 16185.3 | 37.5° | 14429.8 | 11660.3 | 4390.1 | 3759.1 | 3894.0 | 3993.7 | 3964.1 | 3958.7 | 3966.8 | 3842.7 |
| 17851.8 | 40°   | 15675.6 | 12194.3 | 4036.9 | 3656.7 | 3764.5 | 3786.1 | 3702.5 | 3748.3 | 3788.8 | 3600.0 |
| 19680.2 | 42.5° | 17059.0 | 12838.8 | 3813.1 | 3586.5 | 3656.7 | 3605.4 | 3476.0 | 3527.2 | 3521.8 | 3273.7 |
| 21516.6 | 45°   | 18469.4 | 13539.9 | 3734.9 | 3535.3 | 3556.9 | 3454.4 | 3311.5 | 3325.0 | 3211.7 | 2987.9 |
| 23277.5 | 47.5° | 19871.6 | 14292.3 | 3783.4 | 3492.2 | 3432.8 | 3316.9 | 3206.3 | 3147.0 | 2979.8 | 2812.6 |
| 24965.6 | 50°   | 21246.9 | 15082.4 | 3961.4 | 3405.9 | 3262.9 | 3195.5 | 3114.6 | 3009.5 | 2831.5 | 2688.6 |
| 26562.0 | 52.5° | 22522.4 | 15877.9 | 4160.9 | 3262.9 | 3049.9 | 3090.4 | 3039.1 | 2917.8 | 2742.5 | 2596.9 |
| 28072.1 | 55°   | 23730.5 | 16673.4 | 4239.1 | 3066.1 | 2850.4 | 2998.7 | 2969.0 | 2745.2 | 2534.9 | 2416.2 |
| 29652.4 | 57.5° | 25046.5 | 17630.7 | 4152.8 | 2815.3 | 2688.6 | 2893.5 | 2780.2 | 2532.2 | 2410.8 | 2321.8 |
| 31709.9 | 60°   | 26869.4 | 19132.7 | 3966.8 | 2505.2 | 2534.9 | 2737.1 | 2542.9 | 2440.5 | 2308.3 | 2208.6 |
| 34794.9 | 62.5° | 29897.8 | 21934.6 | 3667.4 | 2197.8 | 2354.2 | 2505.2 | 2429.7 | 2327.2 | 2192.4 | 2095.3 |
| 40069.5 | 65°   | 34374.2 | 25828.5 | 3103.8 | 1957.8 | 2151.9 | 2278.7 | 2308.3 | 2205.9 | 2065.6 | 1963.2 |
| 44691.6 | 67.5° | 38149.5 | 28271.7 | 2348.8 | 1758.2 | 1944.3 | 2095.3 | 2178.9 | 2079.1 | 1930.8 | 1831.0 |
| 45773.0 | 70°   | 37941.9 | 26497.3 | 1793.3 | 1561.4 | 1760.9 | 1914.6 | 2022.5 | 1944.3 | 1785.2 | 1690.8 |
| 41577.0 | 72.5° | 33700.1 | 22166.5 | 1450.8 | 1361.8 | 1574.8 | 1725.9 | 1855.3 | 1796.0 | 1634.2 | 1542.5 |
| 30458.7 | 75°   | 24758.0 | 15735.0 | 1159.6 | 1159.6 | 1342.9 | 1529.0 | 1671.9 | 1634.2 | 1485.9 | 1421.1 |
| 12787.5 | 77.5° | 10436.0 | 6601.4  | 908.8  | 962.7  | 1116.4 | 1313.3 | 1491.2 | 1504.7 | 1375.3 | 1456.2 |
| 3381.6  | 80°   | 2774.9  | 1820.2  | 693.0  | 757.8  | 876.4  | 1084.1 | 1297.1 | 1291.7 | 1151.5 | 1076.0 |
| 1256.6  | 82.5° | 1057.1  | 717.3   | 493.5  | 533.9  | 633.7  | 830.6  | 1027.4 | 1059.8 | 919.6  | 795.5  |
| 493.5   | 85°   | 407.2   | 307.4   | 304.7  | 320.9  | 369.4  | 550.1  | 776.6  | 803.6  | 693.0  | 587.9  |
| 137.5   | 87.5° | 105.2   | 91.7    | 113.3  | 107.9  | 169.9  | 293.9  | 444.9  | 461.1  | 423.4  | 245.4  |
| 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°   |
|--------|
| 7450.8 |
| 7108.4 |
| 6587.9 |
| 6113.3 |
| 5827.5 |
| 5746.6 |
| 5811.3 |
| 5903.0 |
| 5903.0 |
| 5768.1 |
| 5517.3 |
| 5188.4 |
| 4808.1 |
| 4387.5 |
| 4018.0 |
| 3850.8 |
| 3605.4 |
| 3271.0 |
| 2996.0 |
| 2812.6 |
| 2677.8 |
| 2599.6 |
| 2405.4 |
| 2313.7 |
| 2203.2 |
| 2095.3 |
| 1968.6 |
| 1833.7 |
| 1698.9 |
| 1542.5 |
| 1402.3 |
| 1321.4 |
| 1000.5 |
| 795.5  |
| 606.7  |
| 350.6  |
| 0.0    |