

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: P957204

Luminaire Tested: **GLAN-SB9C-850-U-SL2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-850-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52884 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
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

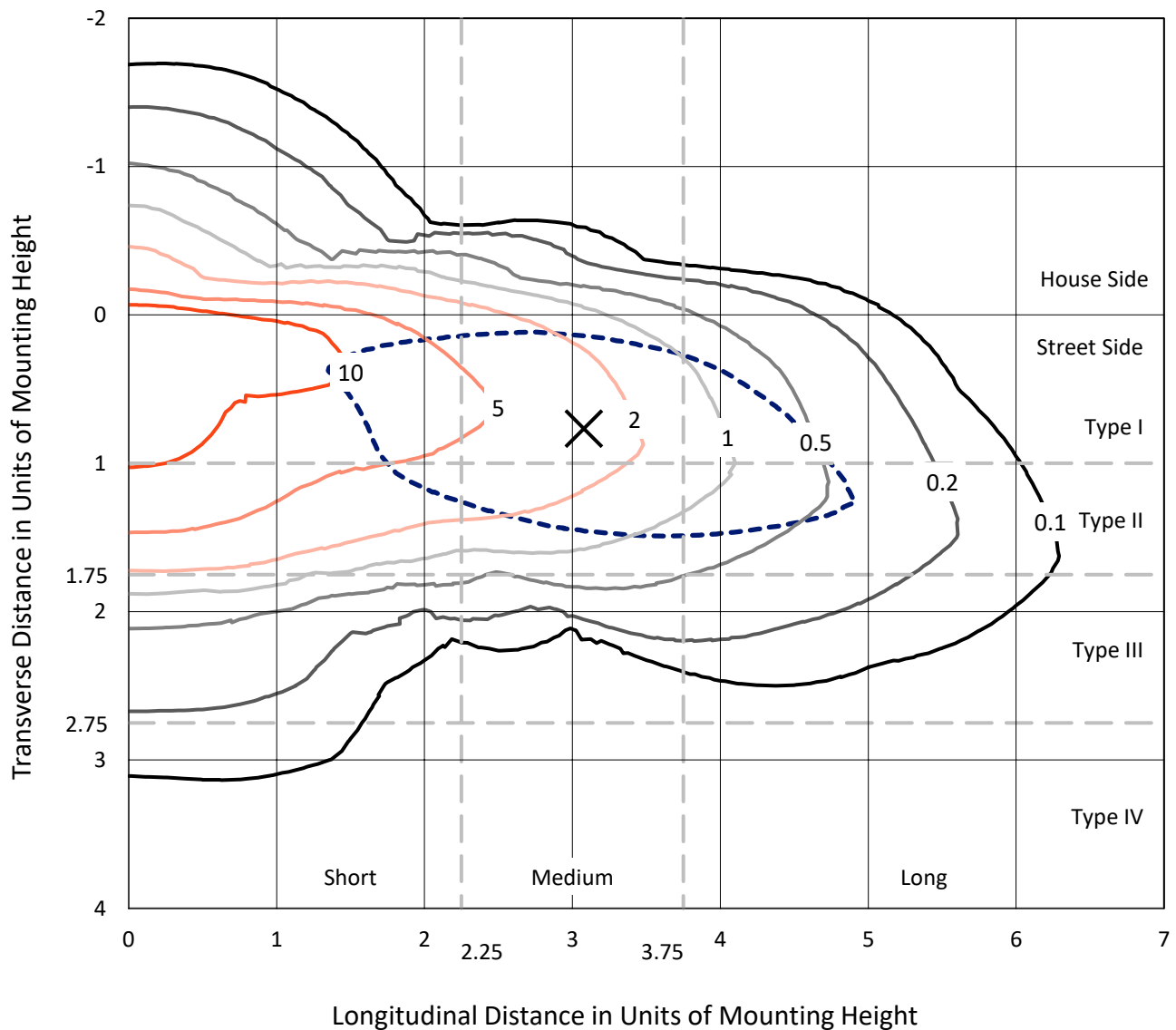


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## Iso-Footcandle Lines of Horizontal Illumination

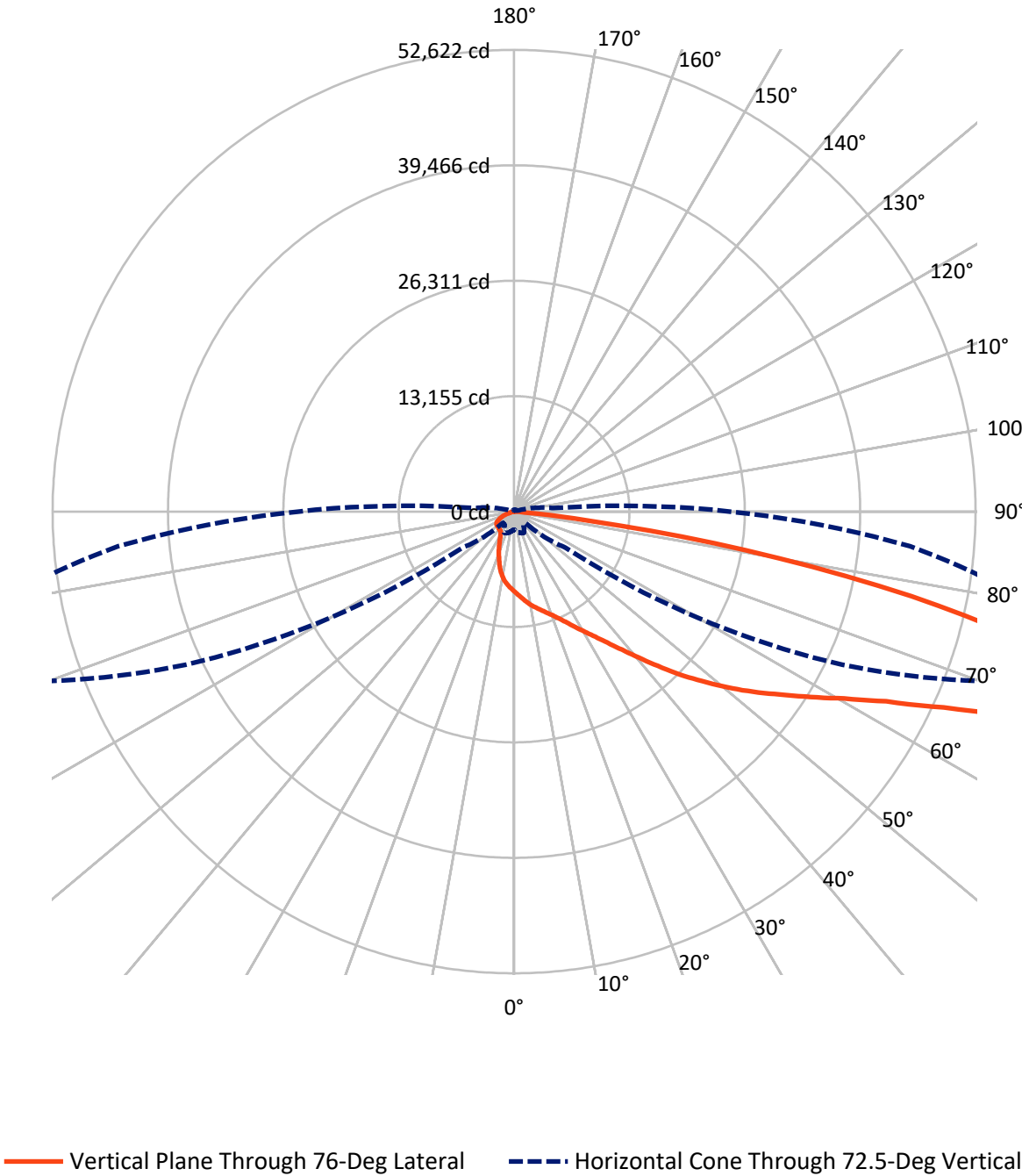
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.3 fc  
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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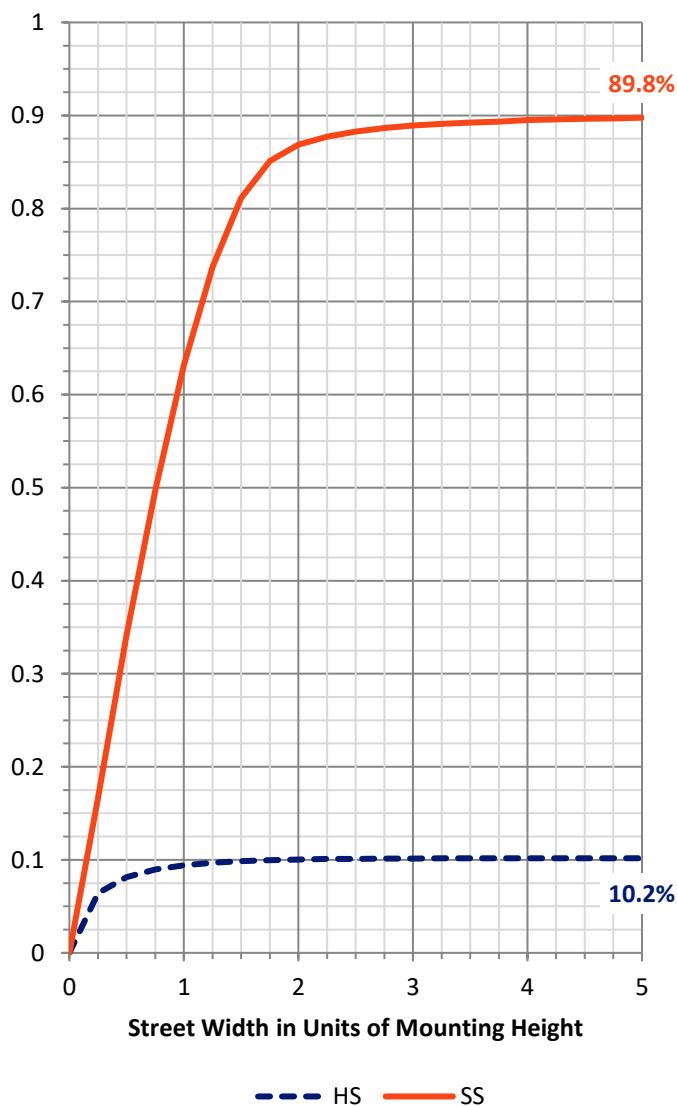
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5412.7   | 0.0    | 5412.7  |
|                    | % Fixture | 10.2     | 0.0    | 10.2    |
| <b>Street Side</b> | Lumens    | 47471.3  | 0.0    | 47471.3 |
|                    | % Fixture | 89.8     | 0.0    | 89.8    |
| <b>Total</b>       | Lumens    | 52884.0  | 0.0    | 52884.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 831.2   | 1.6       |
| 10°-20°   | 2228.6  | 4.2       |
| 20°-30°   | 3527.3  | 6.7       |
| 30°-40°   | 5457.3  | 10.3      |
| 40°-50°   | 8288.7  | 15.7      |
| 50°-60°   | 11426.8 | 21.6      |
| 60°-70°   | 12071.7 | 22.8      |
| 70°-80°   | 8281.5  | 15.7      |
| 80°-90°   | 770.8   | 1.5       |
| 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°    | 52884.0 | 100.0     |
| 0°-180°   | 52884.0 | 100.0     |

**Coefficient of Utilization**



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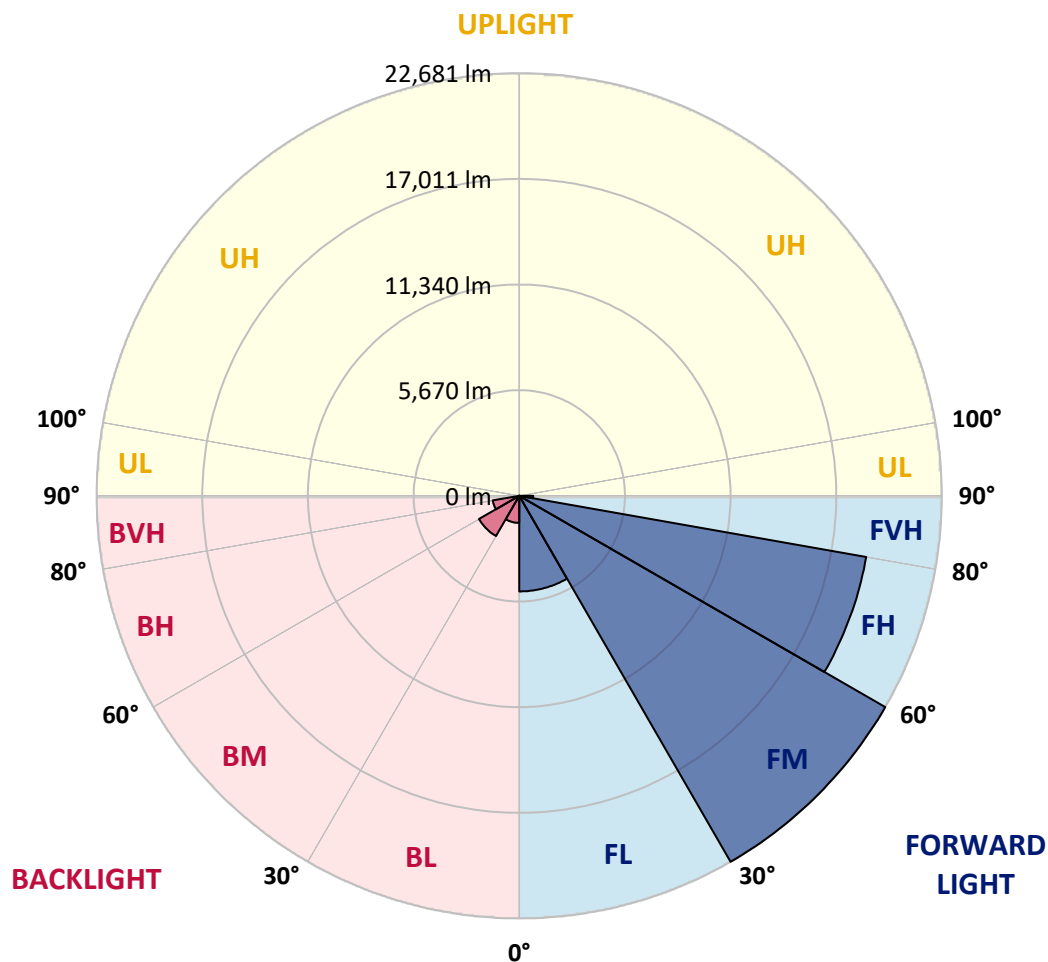
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5132.3  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 22680.8 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 18908.3 | 35.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 749.9   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1454.9  | 2.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2492.0  | 4.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1444.9  | 2.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 20.8    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9138.8  | 9138.8  | 9138.8  | 9138.8  | 9138.8  | 9138.8  | 9138.8  | 9138.8  | 9138.8  | 9138.8  |
| 2.5°  | 10624.2 | 10483.6 | 10511.0 | 10370.4 | 10305.2 | 10147.4 | 9982.7  | 9766.6  | 9526.5  | 9526.5  |
| 5°    | 11742.6 | 11653.4 | 11653.4 | 11488.7 | 11361.8 | 11114.8 | 10819.8 | 10439.0 | 9986.1  | 9941.5  |
| 7.5°  | 12428.7 | 12373.8 | 12408.1 | 12312.0 | 12209.1 | 11951.8 | 11601.9 | 11104.5 | 10463.0 | 10408.1 |
| 10°   | 12562.4 | 12559.0 | 12655.1 | 12682.5 | 12751.1 | 12620.8 | 12308.6 | 11735.7 | 10933.0 | 10854.1 |
| 12.5° | 12044.4 | 11979.3 | 12216.0 | 12493.8 | 12884.9 | 13059.9 | 12898.6 | 12312.0 | 11361.8 | 11252.0 |
| 15°   | 11193.7 | 11207.4 | 11433.8 | 11862.6 | 12514.4 | 13138.8 | 13348.0 | 12874.6 | 11797.4 | 11667.1 |
| 17.5° | 10706.5 | 10655.1 | 10850.6 | 11234.8 | 11955.2 | 12836.9 | 13557.3 | 13399.5 | 12260.6 | 12113.0 |
| 20°   | 10648.2 | 10644.8 | 10689.4 | 10864.3 | 11413.2 | 12404.6 | 13533.3 | 13910.6 | 12806.0 | 12634.5 |
| 22.5° | 11053.0 | 11046.2 | 11008.4 | 10974.1 | 11125.1 | 11982.7 | 13430.4 | 14397.8 | 13457.8 | 13272.6 |
| 25°   | 11673.9 | 11663.7 | 11605.3 | 11396.1 | 11248.6 | 11756.3 | 13334.3 | 14850.6 | 14229.7 | 14023.8 |
| 27.5° | 12432.1 | 12425.2 | 12318.9 | 12003.3 | 11622.5 | 11776.9 | 13286.3 | 15317.1 | 15121.6 | 14919.2 |
| 30°   | 13361.7 | 13348.0 | 13128.5 | 12682.5 | 12185.1 | 12102.8 | 13351.5 | 15842.0 | 16051.2 | 15896.9 |
| 32.5° | 14528.1 | 14490.4 | 14202.2 | 13529.8 | 12833.4 | 12538.4 | 13474.9 | 16380.6 | 17152.4 | 17008.4 |
| 35°   | 15430.3 | 15372.0 | 15203.9 | 14610.4 | 13584.7 | 13073.6 | 13763.1 | 17018.6 | 18476.6 | 18349.7 |
| 37.5° | 16205.6 | 16147.3 | 16010.1 | 15523.0 | 14661.9 | 13756.2 | 14226.2 | 17869.4 | 20040.9 | 19979.2 |
| 40°   | 17042.7 | 16946.6 | 16881.4 | 16360.0 | 15581.3 | 14740.8 | 14888.3 | 18864.2 | 21841.9 | 21848.8 |
| 42.5° | 17687.6 | 17649.9 | 17656.7 | 17255.3 | 16469.8 | 15907.2 | 15766.5 | 19986.0 | 23999.7 | 24064.9 |
| 45°   | 18239.9 | 18209.0 | 18335.9 | 18054.6 | 17365.1 | 16672.2 | 16795.7 | 21255.3 | 26359.9 | 26493.6 |
| 47.5° | 18665.3 | 18699.6 | 18881.4 | 18699.6 | 18294.8 | 17210.7 | 17708.2 | 22624.1 | 28840.1 | 28857.3 |
| 50°   | 19090.7 | 19104.4 | 19406.3 | 19317.1 | 19152.4 | 17893.4 | 18548.6 | 24154.1 | 31454.1 | 31485.0 |
| 52.5° | 19224.4 | 19203.9 | 19684.1 | 19903.7 | 19910.5 | 18737.3 | 19636.1 | 25821.3 | 34016.7 | 34116.2 |
| 55°   | 18538.3 | 18596.7 | 19372.0 | 20263.9 | 20617.2 | 19903.7 | 21104.4 | 27931.0 | 36747.4 | 36788.5 |
| 57.5° | 15183.3 | 15505.8 | 17221.0 | 19289.6 | 21073.5 | 21574.3 | 23214.1 | 30397.5 | 39900.0 | 39862.2 |
| 60°   | 9214.3  | 9598.5  | 11649.9 | 16178.2 | 19584.6 | 23251.8 | 26322.1 | 34219.1 | 43344.2 | 43237.8 |
| 62.5° | 5152.6  | 5269.2  | 5924.4  | 9684.3  | 14895.2 | 22185.0 | 29358.1 | 39128.1 | 47968.5 | 47608.3 |
| 65°   | 3797.5  | 3835.3  | 3989.7  | 4744.4  | 7320.7  | 17063.2 | 28692.6 | 44997.7 | 54465.8 | 53824.3 |
| 67.5° | 3300.1  | 3337.9  | 3488.8  | 3591.7  | 3269.3  | 8963.9  | 23639.5 | 48253.2 | 62716.1 | 61875.7 |
| 70°   | 2778.7  | 2799.3  | 3042.8  | 3111.5  | 2339.6  | 3409.9  | 15186.8 | 47248.1 | 70352.4 | 69752.1 |
| 72.5° | 2072.0  | 2154.3  | 2507.7  | 2672.3  | 1876.5  | 1811.3  | 7149.1  | 41309.9 | 71645.7 | 71652.6 |
| 75°   | 1406.5  | 1482.0  | 1886.8  | 2198.9  | 1447.7  | 1269.3  | 2885.0  | 30846.9 | 62386.8 | 62386.8 |
| 77.5° | 960.5   | 1022.3  | 1313.9  | 1725.5  | 1097.8  | 871.3   | 1495.7  | 19577.8 | 44757.6 | 46332.1 |
| 80°   | 425.4   | 463.1   | 847.3   | 1252.1  | 833.6   | 562.6   | 847.3   | 10720.3 | 27066.5 | 26733.8 |
| 82.5° | 209.3   | 240.1   | 542.0   | 782.2   | 538.6   | 346.5   | 446.0   | 5097.7  | 8771.8  | 8336.1  |
| 85°   | 41.2    | 54.9    | 291.6   | 332.8   | 250.4   | 154.4   | 168.1   | 1567.7  | 1056.6  | 1207.5  |
| 87.5° | 0.0     | 0.0     | 89.2    | 61.7    | 27.4    | 34.3    | 34.3    | 140.6   | 82.3    | 96.1    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9138.8  | 0°    | 9138.8  | 9138.8  | 9138.8 | 9138.8 | 9138.8 | 9138.8 | 9138.8 | 9138.8 | 9138.8 | 9138.8 |
| 9293.2  | 2.5°  | 9169.7  | 9042.8  | 8764.9 | 8490.5 | 8209.2 | 7951.9 | 7773.5 | 7595.1 | 7485.3 | 7437.3 |
| 9499.0  | 5°    | 9241.7  | 8984.4  | 8401.3 | 7790.6 | 7186.9 | 6596.8 | 6154.3 | 5739.2 | 5608.8 | 5392.7 |
| 9742.6  | 7.5°  | 9354.9  | 8936.4  | 8017.0 | 6987.9 | 6006.8 | 5142.3 | 4518.0 | 4020.5 | 3821.6 | 3629.5 |
| 9951.8  | 10°   | 9430.4  | 8847.2  | 7509.3 | 6133.7 | 4806.1 | 3835.3 | 3238.4 | 2878.2 | 2747.8 | 2631.2 |
| 10147.4 | 12.5° | 9461.3  | 8682.6  | 6926.2 | 5176.6 | 3739.2 | 2922.8 | 2566.0 | 2397.9 | 2353.3 | 2312.1 |
| 10332.6 | 15°   | 9488.7  | 8521.3  | 6274.4 | 4253.8 | 2953.6 | 2445.9 | 2305.3 | 2250.4 | 2219.5 | 2192.1 |
| 10521.3 | 17.5° | 9512.7  | 8315.5  | 5529.9 | 3457.9 | 2494.0 | 2253.8 | 2185.2 | 2126.9 | 2102.9 | 2072.0 |
| 10792.3 | 20°   | 9595.1  | 8116.5  | 4864.4 | 2854.2 | 2243.5 | 2116.6 | 2041.1 | 1979.4 | 1958.8 | 1938.2 |
| 11176.5 | 22.5° | 9749.4  | 7955.3  | 4219.5 | 2445.9 | 2092.6 | 1976.0 | 1879.9 | 1811.3 | 1797.6 | 1783.9 |
| 11643.1 | 25°   | 9934.7  | 7756.3  | 3612.3 | 2181.8 | 1945.1 | 1814.7 | 1708.4 | 1650.1 | 1636.3 | 1639.8 |
| 12181.7 | 27.5° | 10171.4 | 7536.8  | 3090.9 | 2013.7 | 1814.7 | 1663.8 | 1543.7 | 1499.1 | 1506.0 | 1519.7 |
| 12802.6 | 30°   | 10432.1 | 7334.4  | 2682.6 | 1897.1 | 1698.1 | 1530.0 | 1409.9 | 1379.1 | 1403.1 | 1423.7 |
| 13632.8 | 32.5° | 10819.8 | 7156.0  | 2397.9 | 1804.4 | 1595.2 | 1420.2 | 1324.2 | 1286.4 | 1313.9 | 1341.3 |
| 14692.8 | 35°   | 11348.0 | 7066.8  | 2236.7 | 1725.5 | 1506.0 | 1334.5 | 1238.4 | 1211.0 | 1238.4 | 1245.3 |
| 15986.1 | 37.5° | 11996.4 | 7059.9  | 2168.1 | 1660.4 | 1423.7 | 1262.4 | 1156.1 | 1145.8 | 1166.4 | 1169.8 |
| 17540.1 | 40°   | 12833.4 | 7104.5  | 2116.6 | 1612.3 | 1337.9 | 1180.1 | 1080.6 | 1070.3 | 1077.2 | 1101.2 |
| 19409.7 | 42.5° | 13893.5 | 7289.8  | 2044.6 | 1550.6 | 1245.3 | 1097.8 | 1018.9 | 994.8  | 991.4  | 1018.9 |
| 21502.3 | 45°   | 15224.5 | 7698.0  | 1948.5 | 1451.1 | 1162.9 | 1029.1 | 950.2  | 922.8  | 912.5  | 919.4  |
| 23663.5 | 47.5° | 16675.6 | 8198.9  | 1852.5 | 1358.5 | 1104.6 | 974.3  | 895.4  | 861.1  | 843.9  | 843.9  |
| 25684.1 | 50°   | 18082.1 | 8764.9  | 1787.3 | 1262.4 | 1063.5 | 922.8  | 837.0  | 802.7  | 775.3  | 768.4  |
| 27762.9 | 52.5° | 19474.9 | 9320.6  | 1735.8 | 1166.4 | 1015.4 | 857.6  | 782.2  | 744.4  | 713.5  | 699.8  |
| 29821.2 | 55°   | 20744.2 | 9848.9  | 1646.6 | 1073.7 | 953.7  | 789.0  | 727.3  | 689.5  | 651.8  | 627.8  |
| 31907.0 | 57.5° | 21962.0 | 10288.0 | 1482.0 | 977.7  | 857.6  | 723.8  | 668.9  | 627.8  | 583.2  | 552.3  |
| 34016.7 | 60°   | 23070.0 | 10514.4 | 1276.1 | 874.8  | 761.6  | 655.2  | 603.8  | 566.0  | 507.7  | 456.3  |
| 36092.1 | 62.5° | 23913.9 | 10425.2 | 1053.2 | 758.1  | 662.1  | 593.5  | 528.3  | 490.6  | 421.9  | 360.2  |
| 38579.2 | 65°   | 24778.4 | 9938.1  | 840.5  | 634.6  | 579.8  | 511.1  | 442.5  | 404.8  | 325.9  | 260.7  |
| 41944.6 | 67.5° | 25900.2 | 8898.7  | 662.1  | 528.3  | 500.9  | 404.8  | 346.5  | 322.5  | 267.6  | 205.8  |
| 45556.9 | 70°   | 26620.6 | 6912.4  | 514.6  | 428.8  | 411.7  | 295.0  | 267.6  | 264.1  | 212.7  | 157.8  |
| 45313.3 | 72.5° | 24644.6 | 4531.7  | 394.5  | 325.9  | 295.0  | 192.1  | 205.8  | 205.8  | 154.4  | 106.3  |
| 39721.6 | 75°   | 20572.6 | 2651.8  | 284.7  | 233.3  | 168.1  | 123.5  | 140.6  | 140.6  | 96.1   | 51.5   |
| 28311.8 | 77.5° | 14692.8 | 1413.4  | 188.7  | 144.1  | 85.8   | 54.9   | 75.5   | 72.0   | 30.9   | 3.4    |
| 11097.6 | 80°   | 5619.1  | 487.1   | 89.2   | 58.3   | 24.0   | 10.3   | 6.9    | 3.4    | 3.4    | 0.0    |
| 1732.4  | 82.5° | 857.6   | 126.9   | 17.2   | 13.7   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 367.1   | 85°   | 154.4   | 17.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 96.1    | 87.5° | 34.3    | 0.0     | 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    |

(END O



| 180°   |
|--------|
| 9138.8 |
| 7444.2 |
| 5406.4 |
| 3626.0 |
| 2627.8 |
| 2312.1 |
| 2192.1 |
| 2072.0 |
| 1941.7 |
| 1773.6 |
| 1632.9 |
| 1512.8 |
| 1416.8 |
| 1334.5 |
| 1241.8 |
| 1162.9 |
| 1097.8 |
| 1015.4 |
| 929.7  |
| 843.9  |
| 765.0  |
| 693.0  |
| 617.5  |
| 538.6  |
| 442.5  |
| 336.2  |
| 243.6  |
| 192.1  |
| 140.6  |
| 92.6   |
| 41.2   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |