

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: P956635

Luminaire Tested: **GLAN-SB9B-727-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-727-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 48383 lumens  
Efficiency: N/A  
Efficacy: 146.8 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): 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

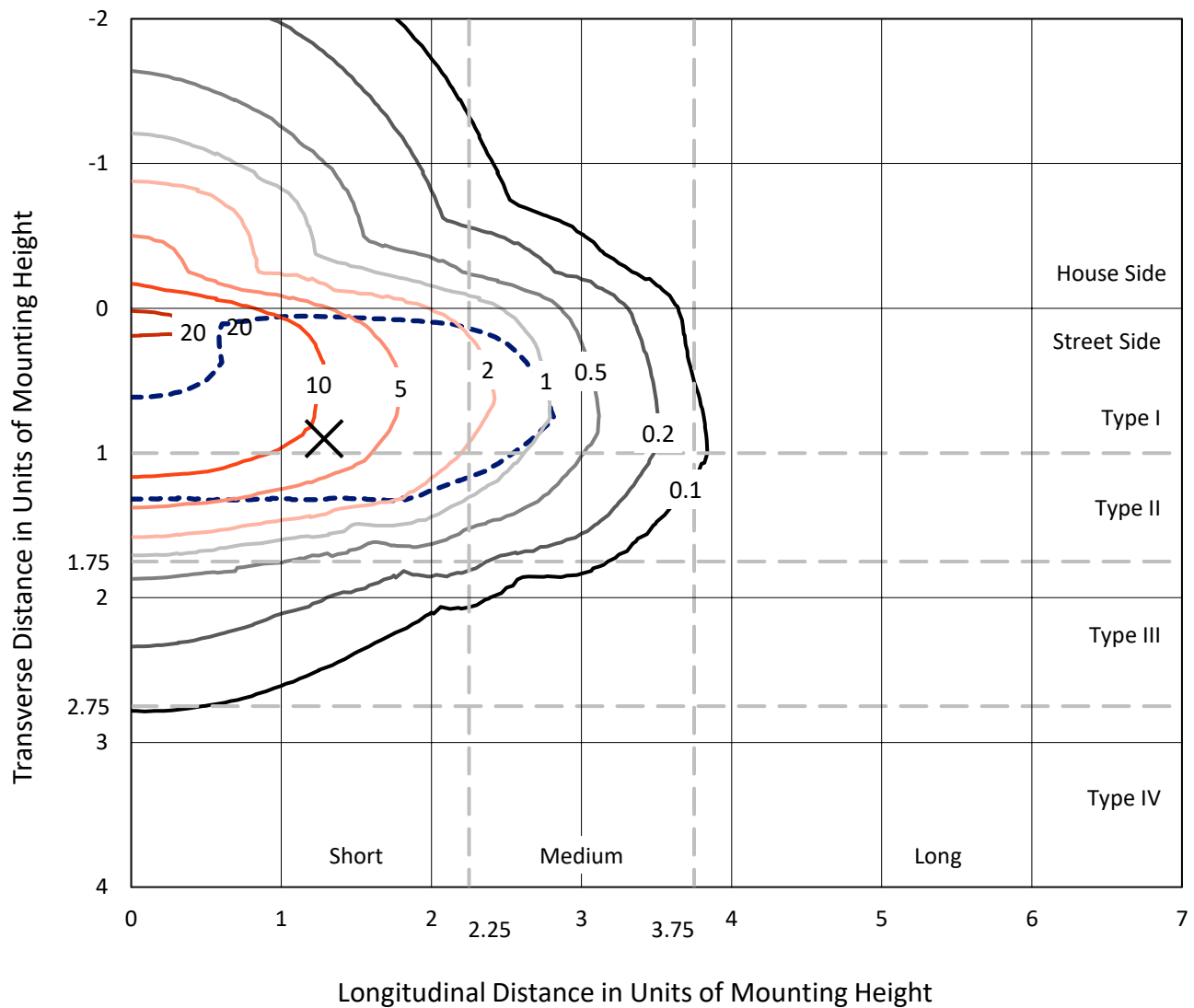


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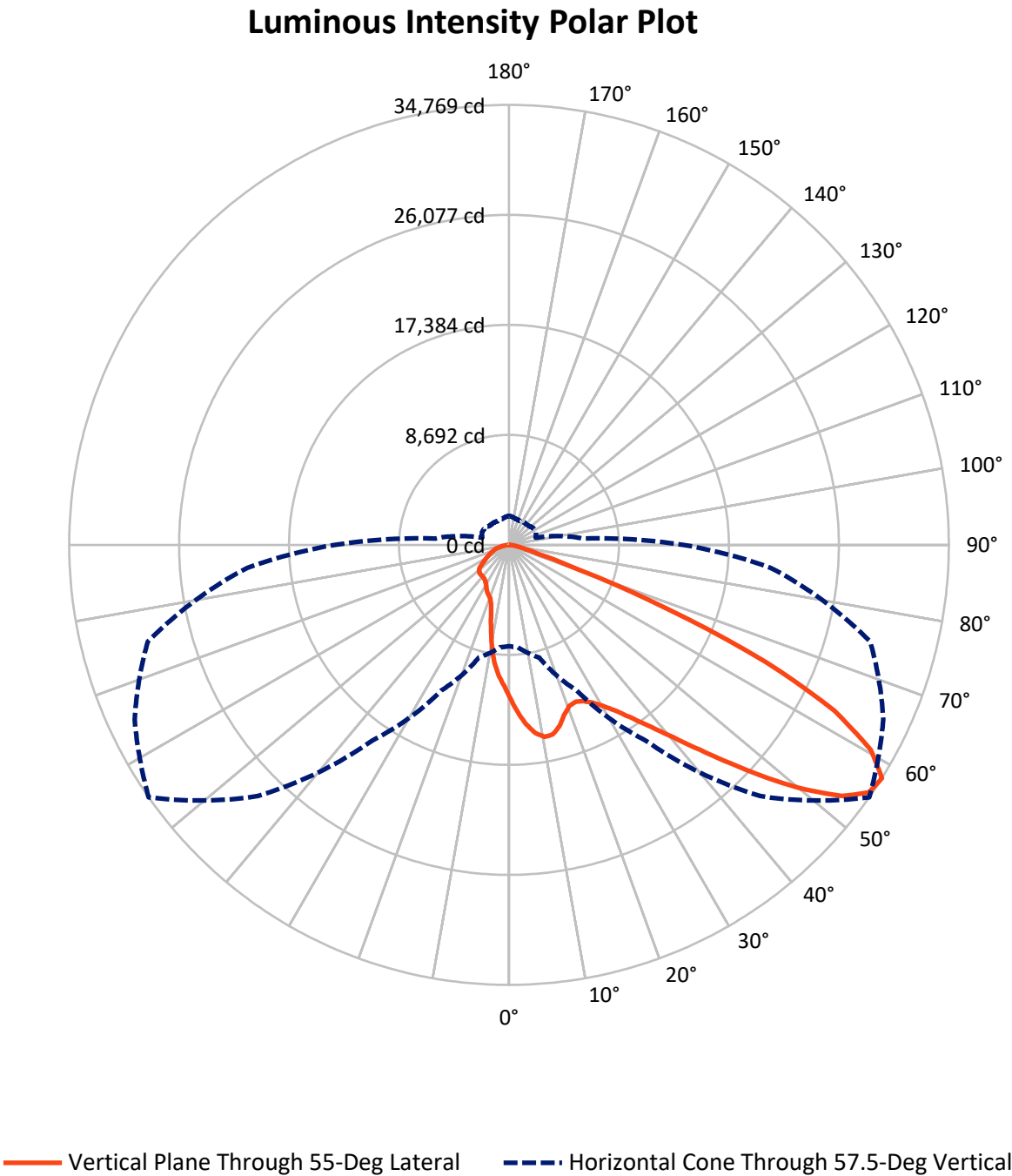
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.4 fc  
 Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8754.7   | 0.0    | 8754.7  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 39628.3  | 0.0    | 39628.3 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 48383.0  | 0.0    | 48383.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1125.0  | 2.3       |
| 10°-20°   | 2839.5  | 5.9       |
| 20°-30°   | 4531.0  | 9.4       |
| 30°-40°   | 7173.6  | 14.8      |
| 40°-50°   | 10980.0 | 22.7      |
| 50°-60°   | 11760.6 | 24.3      |
| 60°-70°   | 7398.6  | 15.3      |
| 70°-80°   | 2187.9  | 4.5       |
| 80°-90°   | 386.8   | 0.8       |
| 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°    | 48383.0 | 100.0     |
| 0°-180°   | 48383.0 | 100.0     |

**Coefficient of Utilization**



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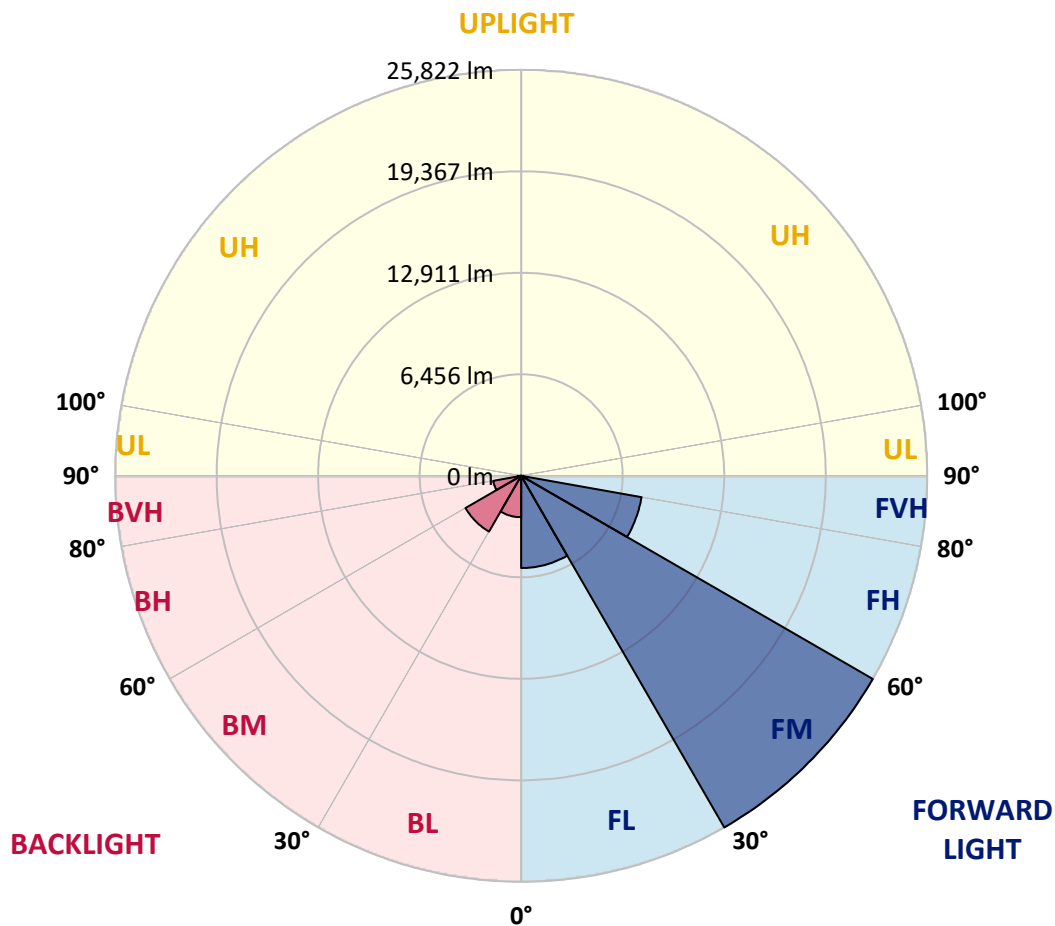
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 5864.0  | 12.1      |                         |      |          |
| FM   | (30°-60°)   | 25822.3 | 53.4      |                         |      |          |
| FH   | (60°-80°)   | 7778.5  | 16.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 163.4   | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 2631.4  | 5.4       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 4091.9  | 8.5       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1808.0  | 3.7       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 223.4   | 0.5       |                         |      | G2/225   |
| 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°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 |
| 2.5°  | 13909.1 | 13899.0 | 13954.1 | 13766.5 | 13638.9 | 13466.3 | 13238.7 | 12948.6 | 12636.0 | 12305.8 |
| 5°    | 15162.1 | 15074.6 | 15132.1 | 14992.1 | 14852.0 | 14591.9 | 14254.2 | 13781.5 | 13203.7 | 12545.9 |
| 7.5°  | 14964.5 | 14904.5 | 15052.1 | 15177.1 | 15282.2 | 15249.7 | 15002.1 | 14506.8 | 13761.5 | 12806.0 |
| 10°   | 13371.3 | 13303.8 | 13511.4 | 13944.1 | 14579.4 | 15132.1 | 15432.3 | 15124.6 | 14331.7 | 13091.2 |
| 12.5° | 11965.6 | 11933.1 | 12070.7 | 12420.8 | 13126.2 | 14186.7 | 15377.2 | 15664.9 | 14924.5 | 13428.8 |
| 15°   | 11365.4 | 11325.3 | 11412.9 | 11590.5 | 12040.7 | 13028.6 | 14877.0 | 16035.1 | 15507.3 | 13819.0 |
| 17.5° | 11232.8 | 11187.8 | 11225.3 | 11317.8 | 11608.0 | 12360.8 | 14121.7 | 16217.6 | 16115.1 | 14254.2 |
| 20°   | 11477.9 | 11440.4 | 11445.4 | 11440.4 | 11643.0 | 12240.8 | 13596.4 | 16147.6 | 16645.3 | 14654.4 |
| 22.5° | 12070.7 | 12008.2 | 12010.7 | 11878.1 | 11988.1 | 12450.9 | 13458.8 | 15960.0 | 17118.1 | 15004.6 |
| 25°   | 13036.1 | 12923.6 | 12946.1 | 12608.4 | 12578.4 | 12921.1 | 13673.9 | 15814.9 | 17588.3 | 15284.7 |
| 27.5° | 14356.8 | 14229.2 | 14161.7 | 13658.9 | 13418.8 | 13588.9 | 14111.6 | 15865.0 | 18033.5 | 15527.3 |
| 30°   | 16007.5 | 15852.5 | 15714.9 | 15002.1 | 14566.9 | 14504.3 | 14792.0 | 16195.1 | 18558.7 | 15782.4 |
| 32.5° | 18031.0 | 17850.9 | 17600.8 | 16655.3 | 16042.6 | 15714.9 | 15672.4 | 16782.9 | 19174.0 | 16107.6 |
| 35°   | 20439.6 | 20204.5 | 19849.3 | 18626.3 | 17850.9 | 17180.6 | 16832.9 | 17630.8 | 20016.9 | 16597.8 |
| 37.5° | 22920.8 | 22655.7 | 22330.5 | 20874.8 | 19921.9 | 18933.9 | 18248.6 | 18781.3 | 21140.0 | 17263.1 |
| 40°   | 25209.4 | 24911.7 | 24609.1 | 23313.5 | 22290.5 | 21099.9 | 19981.9 | 20237.0 | 22513.1 | 18058.5 |
| 42.5° | 26560.0 | 26339.9 | 26224.9 | 25524.5 | 24734.1 | 23526.1 | 22137.9 | 21962.8 | 24056.3 | 18973.9 |
| 45°   | 26500.0 | 26409.9 | 26765.1 | 27055.2 | 26867.7 | 26197.3 | 24664.1 | 23871.2 | 25604.6 | 19766.8 |
| 47.5° | 25084.3 | 25144.3 | 25937.2 | 27568.0 | 28285.8 | 28636.0 | 27540.5 | 25744.6 | 26950.2 | 20359.6 |
| 50°   | 21232.5 | 21282.5 | 23118.4 | 26635.0 | 28651.0 | 30624.4 | 30394.3 | 27573.0 | 27993.2 | 20722.3 |
| 52.5° | 18183.6 | 18216.1 | 19003.9 | 23868.7 | 27445.4 | 31624.9 | 32965.5 | 29296.3 | 28756.0 | 20822.3 |
| 55°   | 13696.5 | 13809.0 | 14691.9 | 18726.3 | 24308.9 | 30832.0 | 34531.3 | 31072.1 | 29238.8 | 20832.3 |
| 57.5° | 8001.3  | 8123.8  | 9214.3  | 12711.0 | 18893.9 | 28068.2 | 34768.9 | 32647.9 | 29566.4 | 20752.3 |
| 60°   | 3919.3  | 3971.9  | 4447.1  | 6680.6  | 11650.5 | 22743.2 | 32858.0 | 33410.7 | 29749.0 | 20709.8 |
| 62.5° | 2641.2  | 2633.7  | 2653.7  | 3296.6  | 5740.2  | 14611.9 | 28876.1 | 32075.1 | 29651.5 | 20547.2 |
| 65°   | 2271.1  | 2243.6  | 2168.5  | 2313.6  | 2973.9  | 6683.1  | 22310.5 | 28088.2 | 28908.6 | 20139.5 |
| 67.5° | 1963.4  | 1965.9  | 1968.4  | 1923.4  | 2123.5  | 3084.0  | 13633.9 | 22125.4 | 26242.4 | 18208.6 |
| 70°   | 1625.8  | 1648.3  | 1658.3  | 1658.3  | 1730.8  | 2023.5  | 5820.2  | 15164.6 | 20699.7 | 14276.7 |
| 72.5° | 1480.7  | 1433.2  | 1438.2  | 1413.2  | 1413.2  | 1540.7  | 2343.6  | 8596.5  | 13041.1 | 8031.3  |
| 75°   | 1208.1  | 1238.1  | 1243.1  | 1225.6  | 1168.1  | 1175.6  | 1390.7  | 3606.7  | 5580.1  | 3331.6  |
| 77.5° | 1043.0  | 1043.0  | 1053.0  | 1040.5  | 995.5   | 880.4   | 927.9   | 1398.2  | 1898.4  | 1365.6  |
| 80°   | 837.9   | 835.4   | 877.9   | 902.9   | 832.9   | 650.3   | 592.8   | 772.9   | 842.9   | 600.3   |
| 82.5° | 407.7   | 432.7   | 602.8   | 687.8   | 632.8   | 470.2   | 362.7   | 480.2   | 450.2   | 265.1   |
| 85°   | 237.6   | 225.1   | 270.1   | 382.7   | 362.7   | 260.1   | 175.1   | 250.1   | 235.1   | 135.1   |
| 87.5° | 75.0    | 70.0    | 55.0    | 130.1   | 105.0   | 72.5    | 47.5    | 72.5    | 65.0    | 30.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 12123.2 | 0°    | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 | 12123.2 |
| 12163.2 | 2.5°  | 11985.6 | 11690.5 | 11397.9 | 11130.2 | 10967.7 | 10862.6 | 10757.6 | 10640.0 | 10595.0 | 10527.5 |
| 12195.7 | 5°    | 11865.6 | 11295.3 | 10787.6 | 10349.9 | 9952.2  | 9639.5  | 9324.4  | 9069.3  | 8954.2  | 9031.8  |
| 12298.3 | 7.5°  | 11795.6 | 10970.2 | 10187.3 | 9384.4  | 8611.6  | 7993.8  | 7456.0  | 7078.3  | 6908.3  | 6950.8  |
| 12398.3 | 10°   | 11733.0 | 10602.5 | 9409.4  | 8141.3  | 7030.8  | 6265.5  | 5715.2  | 5427.6  | 5320.0  | 5342.5  |
| 12533.4 | 12.5° | 11675.5 | 10189.8 | 8471.5  | 6803.2  | 5622.6  | 5117.4  | 4959.8  | 4962.3  | 4982.3  | 4997.4  |
| 12748.5 | 15°   | 11665.5 | 9692.1  | 7423.5  | 5632.7  | 4862.3  | 4829.8  | 4999.9  | 5107.4  | 5164.9  | 5182.4  |
| 12928.6 | 17.5° | 11650.5 | 9096.8  | 6355.5  | 4834.8  | 4677.2  | 4897.3  | 5054.9  | 5124.9  | 5169.9  | 5172.4  |
| 13103.7 | 20°   | 11590.5 | 8341.4  | 5370.0  | 4454.6  | 4637.2  | 4827.3  | 4924.8  | 4979.8  | 5017.4  | 5029.9  |
| 13236.2 | 22.5° | 11405.4 | 7501.0  | 4602.2  | 4284.5  | 4477.1  | 4629.7  | 4744.7  | 4807.3  | 4829.8  | 4844.8  |
| 13261.2 | 25°   | 11072.7 | 6560.6  | 4071.9  | 4121.9  | 4254.5  | 4447.1  | 4539.6  | 4552.1  | 4544.6  | 4567.2  |
| 13198.7 | 27.5° | 10637.5 | 5552.6  | 3741.8  | 3901.8  | 4071.9  | 4237.0  | 4287.0  | 4279.5  | 4264.5  | 4289.5  |
| 13091.2 | 30°   | 10112.3 | 4647.2  | 3531.7  | 3654.2  | 3886.8  | 4036.9  | 4081.9  | 4064.4  | 4034.4  | 4061.9  |
| 13036.1 | 32.5° | 9557.0  | 3906.8  | 3359.1  | 3481.6  | 3734.3  | 3881.8  | 3926.8  | 3909.3  | 3886.8  | 3909.3  |
| 13098.7 | 35°   | 9039.3  | 3389.1  | 3199.0  | 3366.6  | 3614.2  | 3759.3  | 3816.8  | 3819.3  | 3819.3  | 3846.8  |
| 13263.7 | 37.5° | 8564.0  | 3086.5  | 3066.4  | 3294.1  | 3531.7  | 3661.7  | 3744.3  | 3749.3  | 3641.7  | 3649.2  |
| 13543.9 | 40°   | 8123.8  | 2958.9  | 3006.4  | 3246.5  | 3451.6  | 3576.7  | 3581.7  | 3301.6  | 3104.0  | 3099.0  |
| 13864.0 | 42.5° | 7763.7  | 2933.9  | 3023.9  | 3241.5  | 3394.1  | 3399.1  | 3046.4  | 2828.8  | 2773.8  | 2776.3  |
| 14159.2 | 45°   | 7426.0  | 2926.4  | 3063.9  | 3241.5  | 3309.1  | 2936.4  | 2698.8  | 2641.2  | 2646.2  | 2666.3  |
| 14291.7 | 47.5° | 7048.3  | 2896.4  | 3071.4  | 3196.5  | 3063.9  | 2611.2  | 2541.2  | 2516.2  | 2506.2  | 2511.2  |
| 14261.7 | 50°   | 6635.6  | 2788.8  | 2976.4  | 3106.5  | 2643.7  | 2471.2  | 2383.6  | 2376.1  | 2388.6  | 2396.1  |
| 14094.1 | 52.5° | 6200.4  | 2613.7  | 2813.8  | 2943.9  | 2451.2  | 2348.6  | 2251.1  | 2268.6  | 2323.6  | 2341.1  |
| 13919.1 | 55°   | 5915.3  | 2408.6  | 2598.7  | 2618.7  | 2316.1  | 2233.6  | 2151.0  | 2191.0  | 2293.6  | 2326.1  |
| 13814.0 | 57.5° | 5840.3  | 2191.0  | 2353.6  | 2331.1  | 2143.5  | 2133.5  | 2083.5  | 2118.5  | 2248.6  | 2296.1  |
| 13809.0 | 60°   | 5817.7  | 1995.9  | 2113.5  | 2096.0  | 1975.9  | 2023.5  | 2010.9  | 2028.5  | 2073.5  | 2088.5  |
| 13759.0 | 62.5° | 5642.7  | 1840.9  | 1898.4  | 1873.4  | 1825.9  | 1908.4  | 1938.4  | 1900.9  | 1935.9  | 1953.4  |
| 13416.3 | 65°   | 5197.4  | 1715.8  | 1688.3  | 1670.8  | 1690.8  | 1765.8  | 1825.9  | 1750.8  | 1783.3  | 1833.4  |
| 12095.7 | 67.5° | 4462.1  | 1545.7  | 1470.7  | 1490.7  | 1553.2  | 1593.3  | 1670.8  | 1585.7  | 1613.3  | 1698.3  |
| 9742.1  | 70°   | 3609.2  | 1330.6  | 1263.1  | 1320.6  | 1380.7  | 1463.2  | 1475.7  | 1418.2  | 1483.2  | 1578.2  |
| 5945.3  | 72.5° | 2553.7  | 1113.0  | 1065.5  | 1183.1  | 1203.1  | 1310.6  | 1283.1  | 1255.6  | 1345.6  | 1378.1  |
| 2938.9  | 75°   | 1770.8  | 897.9   | 870.4   | 960.5   | 1033.0  | 1125.5  | 1105.5  | 1138.0  | 1328.1  | 1343.1  |
| 1468.2  | 77.5° | 1120.5  | 697.8   | 680.3   | 737.8   | 837.9   | 940.4   | 973.0   | 1343.1  | 2268.6  | 2358.6  |
| 762.9   | 80°   | 650.3   | 520.2   | 500.2   | 545.3   | 632.8   | 727.8   | 937.9   | 1648.3  | 1495.7  | 1478.2  |
| 342.7   | 82.5° | 362.7   | 357.7   | 332.7   | 345.2   | 422.7   | 525.2   | 1325.6  | 1160.5  | 942.9   | 973.0   |
| 137.6   | 85°   | 170.1   | 210.1   | 180.1   | 172.6   | 237.6   | 615.3   | 885.4   | 662.8   | 440.2   | 430.2   |
| 30.0    | 87.5° | 45.0    | 40.0    | 40.0    | 45.0    | 100.0   | 530.2   | 352.7   | 282.6   | 167.6   | 162.6   |
| 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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