

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: P954934

Luminaire Tested: **GLAN-SB8A-750-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954934  
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-SB8A-750-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39029 lumens  
Efficiency: N/A  
Efficacy: 171.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 227.1  
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

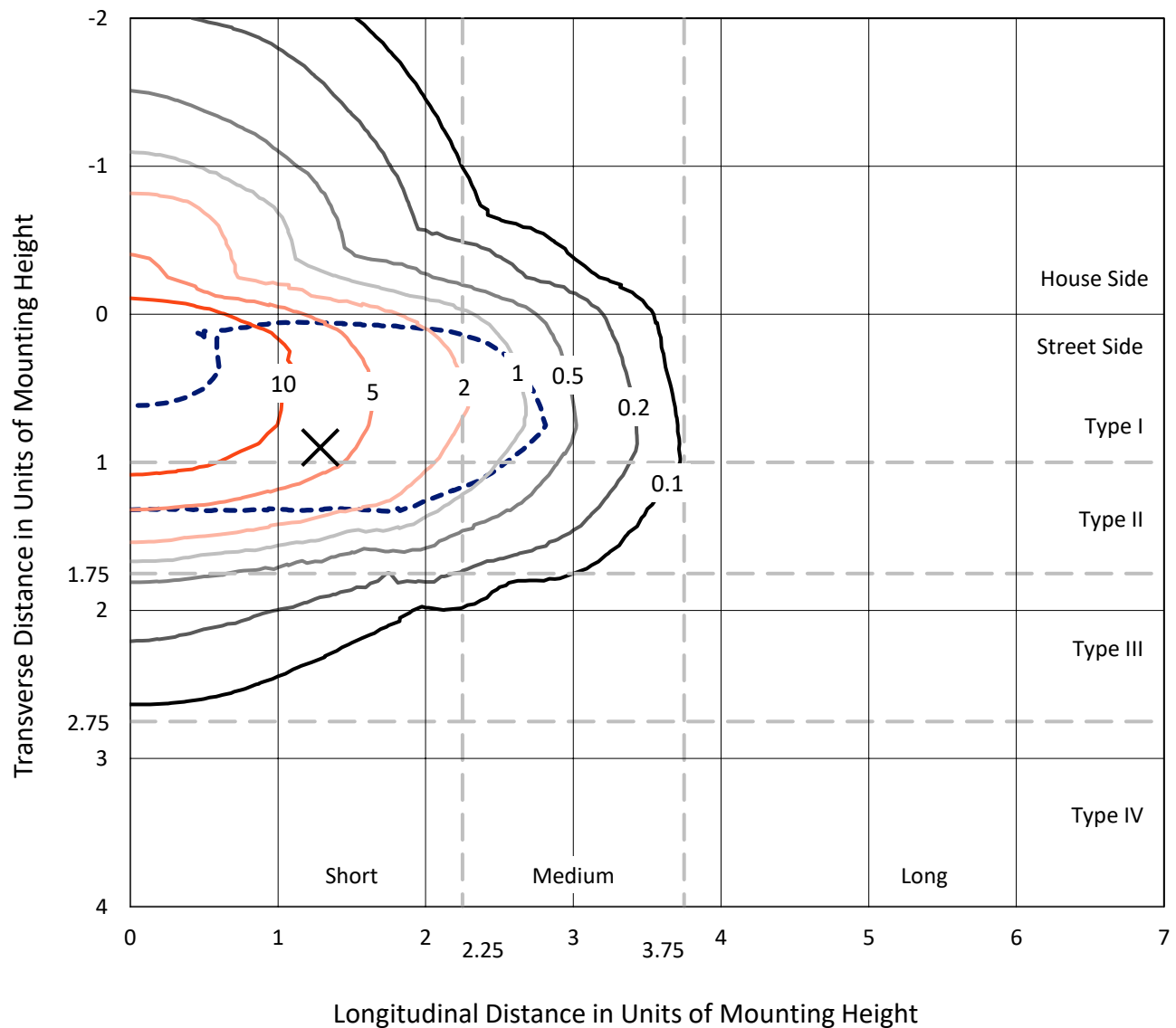


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

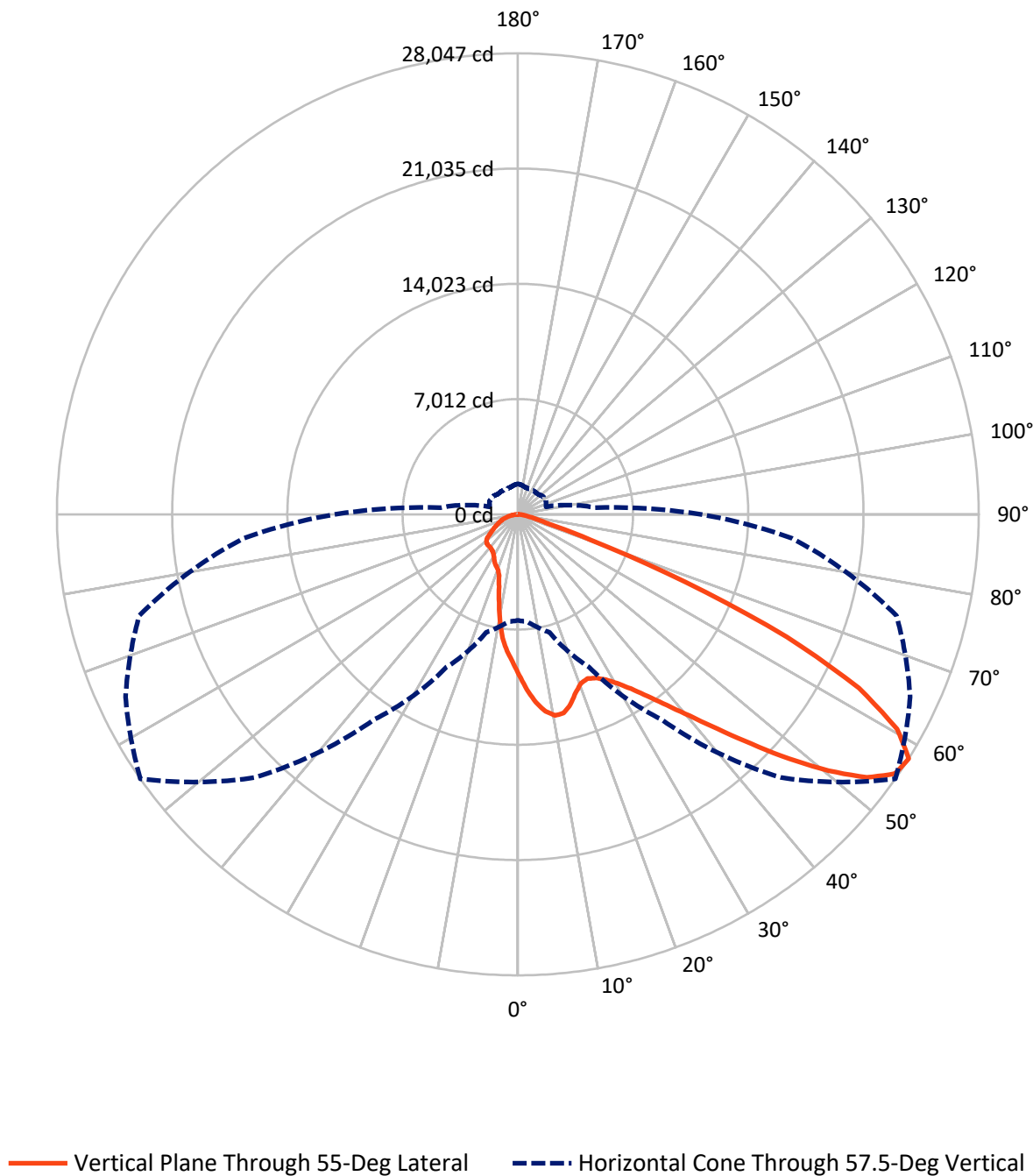


Based on 25 foot mounting height. Maximum calculated value = 18.9 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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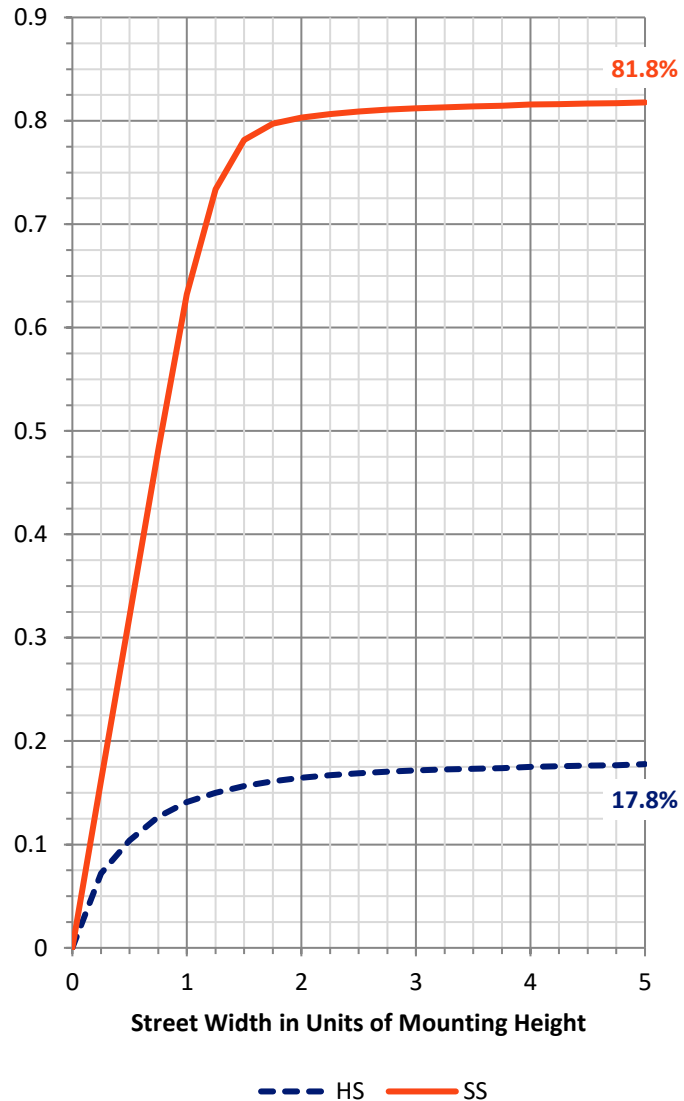
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7062.1   | 0.0    | 7062.1  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 31966.9  | 0.0    | 31966.9 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 39029.0  | 0.0    | 39029.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 907.5   | 2.3       |
| 10°-20°   | 2290.5  | 5.9       |
| 20°-30°   | 3655.0  | 9.4       |
| 30°-40°   | 5786.7  | 14.8      |
| 40°-50°   | 8857.2  | 22.7      |
| 50°-60°   | 9486.9  | 24.3      |
| 60°-70°   | 5968.2  | 15.3      |
| 70°-80°   | 1764.9  | 4.5       |
| 80°-90°   | 312.1   | 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°    | 39029.0 | 100.0     |
| 0°-180°   | 39029.0 | 100.0     |

**Coefficient of Utilization**



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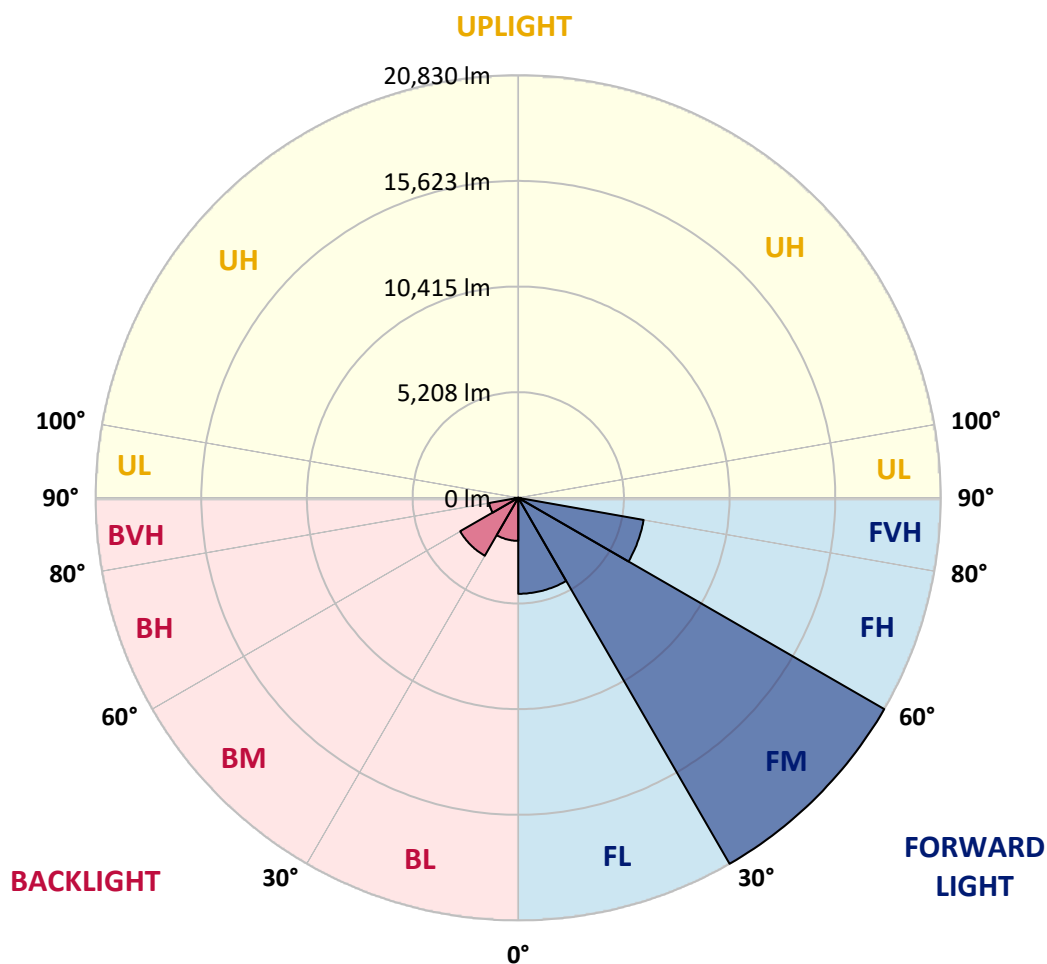
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4730.3  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 20830.1 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 6274.7  | 16.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 131.8   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2122.6  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3300.8  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1458.5  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 180.2   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9779.4  | 9779.4  | 9779.4  | 9779.4  | 9779.4  | 9779.4  | 9779.4  | 9779.4  | 9779.4  | 9779.4  |
| 2.5°  | 11220.0 | 11211.9 | 11256.3 | 11105.0 | 11002.1 | 10862.9 | 10679.3 | 10445.2 | 10193.0 | 9926.7  |
| 5°    | 12230.8 | 12160.2 | 12206.6 | 12093.6 | 11980.6 | 11770.8 | 11498.4 | 11117.1 | 10651.0 | 10120.4 |
| 7.5°  | 12071.4 | 12023.0 | 12142.0 | 12242.9 | 12327.7 | 12301.4 | 12101.7 | 11702.2 | 11100.9 | 10330.2 |
| 10°   | 10786.2 | 10731.7 | 10899.2 | 11248.2 | 11760.7 | 12206.6 | 12448.7 | 12200.5 | 11561.0 | 10560.2 |
| 12.5° | 9652.3  | 9626.1  | 9737.0  | 10019.5 | 10588.5 | 11443.9 | 12404.3 | 12636.3 | 12039.1 | 10832.6 |
| 15°   | 9168.1  | 9135.8  | 9206.4  | 9349.6  | 9712.8  | 10509.8 | 12000.8 | 12935.0 | 12509.2 | 11147.3 |
| 17.5° | 9061.1  | 9024.8  | 9055.1  | 9129.7  | 9363.8  | 9971.1  | 11391.5 | 13082.2 | 12999.5 | 11498.4 |
| 20°   | 9258.9  | 9228.6  | 9232.6  | 9228.6  | 9392.0  | 9874.2  | 10967.8 | 13025.7 | 13427.3 | 11821.2 |
| 22.5° | 9737.0  | 9686.6  | 9688.6  | 9581.7  | 9670.4  | 10043.7 | 10856.8 | 12874.4 | 13808.6 | 12103.7 |
| 25°   | 10515.8 | 10425.0 | 10443.2 | 10170.8 | 10146.6 | 10423.0 | 11030.3 | 12757.4 | 14187.9 | 12329.7 |
| 27.5° | 11581.1 | 11478.2 | 11423.8 | 11018.2 | 10824.5 | 10961.7 | 11383.4 | 12797.8 | 14547.0 | 12525.4 |
| 30°   | 12912.8 | 12787.7 | 12676.7 | 12101.7 | 11750.6 | 11700.2 | 11932.2 | 13064.1 | 14970.7 | 12731.2 |
| 32.5° | 14545.0 | 14399.7 | 14198.0 | 13435.3 | 12941.0 | 12676.7 | 12642.4 | 13538.2 | 15467.1 | 12993.5 |
| 35°   | 16488.0 | 16298.3 | 16011.8 | 15025.2 | 14399.7 | 13859.0 | 13578.6 | 14222.2 | 16147.0 | 13388.9 |
| 37.5° | 18489.5 | 18275.6 | 18013.3 | 16839.1 | 16070.3 | 15273.4 | 14720.6 | 15150.3 | 17052.9 | 13925.6 |
| 40°   | 20335.6 | 20095.5 | 19851.4 | 18806.2 | 17981.0 | 17020.6 | 16118.8 | 16324.6 | 18160.6 | 14567.2 |
| 42.5° | 21425.1 | 21247.5 | 21154.7 | 20589.8 | 19952.2 | 18977.7 | 17857.9 | 17716.7 | 19405.5 | 15305.7 |
| 45°   | 21376.7 | 21304.0 | 21590.5 | 21824.6 | 21673.3 | 21132.5 | 19895.7 | 19256.2 | 20654.4 | 15945.2 |
| 47.5° | 20234.7 | 20283.1 | 20922.7 | 22238.2 | 22817.3 | 23099.7 | 22216.0 | 20767.4 | 21739.8 | 16423.4 |
| 50°   | 17127.6 | 17167.9 | 18648.9 | 21485.6 | 23111.8 | 24703.7 | 24518.1 | 22242.2 | 22581.2 | 16716.0 |
| 52.5° | 14668.1 | 14694.3 | 15329.9 | 19254.1 | 22139.3 | 25510.8 | 26592.2 | 23632.4 | 23196.6 | 16796.7 |
| 55°   | 11048.5 | 11139.3 | 11851.5 | 15105.9 | 19609.2 | 24871.2 | 27855.3 | 25064.9 | 23586.0 | 16804.8 |
| 57.5° | 6454.4  | 6553.2  | 7432.9  | 10253.5 | 15241.1 | 22641.7 | 28046.9 | 26336.0 | 23850.3 | 16740.2 |
| 60°   | 3161.6  | 3204.0  | 3587.3  | 5389.1  | 9398.1  | 18346.2 | 26505.5 | 26951.4 | 23997.6 | 16705.9 |
| 62.5° | 2130.6  | 2124.6  | 2140.7  | 2659.2  | 4630.4  | 11786.9 | 23293.4 | 25873.9 | 23918.9 | 16574.7 |
| 65°   | 1832.0  | 1809.8  | 1749.3  | 1866.3  | 2398.9  | 5391.1  | 17997.2 | 22657.9 | 23319.6 | 16245.9 |
| 67.5° | 1583.8  | 1585.8  | 1587.9  | 1551.5  | 1713.0  | 2487.7  | 10998.0 | 17847.9 | 21168.9 | 14688.3 |
| 70°   | 1311.5  | 1329.6  | 1337.7  | 1337.7  | 1396.2  | 1632.3  | 4695.0  | 12232.8 | 16697.8 | 11516.6 |
| 72.5° | 1194.4  | 1156.1  | 1160.1  | 1140.0  | 1140.0  | 1242.9  | 1890.5  | 6934.6  | 10519.9 | 6478.6  |
| 75°   | 974.5   | 998.7   | 1002.8  | 988.6   | 942.2   | 948.3   | 1121.8  | 2909.4  | 4501.3  | 2687.5  |
| 77.5° | 841.3   | 841.3   | 849.4   | 839.3   | 803.0   | 710.2   | 748.5   | 1127.8  | 1531.4  | 1101.6  |
| 80°   | 675.9   | 673.9   | 708.2   | 728.4   | 671.9   | 524.6   | 478.2   | 623.4   | 679.9   | 484.2   |
| 82.5° | 328.9   | 349.0   | 486.2   | 554.8   | 510.5   | 379.3   | 292.6   | 387.4   | 363.2   | 213.9   |
| 85°   | 191.7   | 181.6   | 217.9   | 308.7   | 292.6   | 209.8   | 141.2   | 201.8   | 189.7   | 109.0   |
| 87.5° | 60.5    | 56.5    | 44.4    | 104.9   | 84.7    | 58.5    | 38.3    | 58.5    | 52.5    | 24.2    |
| 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):**

| 90°     |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9779.4  | 0°    | 9779.4 | 9779.4 | 9779.4 | 9779.4 | 9779.4 | 9779.4 | 9779.4 | 9779.4 | 9779.4 | 9779.4 |
| 9811.7  | 2.5°  | 9668.4 | 9430.4 | 9194.3 | 8978.4 | 8847.3 | 8762.5 | 8677.8 | 8583.0 | 8546.6 | 8492.2 |
| 9837.9  | 5°    | 9571.6 | 9111.6 | 8702.0 | 8348.9 | 8028.1 | 7775.9 | 7521.7 | 7315.9 | 7223.1 | 7285.6 |
| 9920.6  | 7.5°  | 9515.1 | 8849.3 | 8217.8 | 7570.1 | 6946.7 | 6448.3 | 6014.5 | 5709.9 | 5572.7 | 5607.0 |
| 10001.3 | 10°   | 9464.7 | 8552.7 | 7590.3 | 6567.4 | 5671.5 | 5054.1 | 4610.3 | 4378.2 | 4291.5 | 4309.6 |
| 10110.3 | 12.5° | 9418.2 | 8219.8 | 6833.7 | 5487.9 | 4535.6 | 4128.0 | 4000.9 | 4003.0 | 4019.1 | 4031.2 |
| 10283.8 | 15°   | 9410.2 | 7818.3 | 5988.3 | 4543.7 | 3922.3 | 3896.0 | 4033.2 | 4120.0 | 4166.4 | 4180.5 |
| 10429.1 | 17.5° | 9398.1 | 7338.1 | 5126.8 | 3900.1 | 3772.9 | 3950.5 | 4077.6 | 4134.1 | 4170.4 | 4172.4 |
| 10570.3 | 20°   | 9349.6 | 6728.8 | 4331.8 | 3593.4 | 3740.7 | 3894.0 | 3972.7 | 4017.1 | 4047.3 | 4057.4 |
| 10677.2 | 22.5° | 9200.3 | 6050.8 | 3712.4 | 3456.2 | 3611.5 | 3734.6 | 3827.4 | 3877.9 | 3896.0 | 3908.1 |
| 10697.4 | 25°   | 8932.0 | 5292.2 | 3284.7 | 3325.0 | 3432.0 | 3587.3 | 3662.0 | 3672.1 | 3666.0 | 3684.2 |
| 10647.0 | 27.5° | 8580.9 | 4479.1 | 3018.4 | 3147.5 | 3284.7 | 3417.8 | 3458.2 | 3452.1 | 3440.0 | 3460.2 |
| 10560.2 | 30°   | 8157.2 | 3748.7 | 2848.9 | 2947.7 | 3135.4 | 3256.4 | 3292.8 | 3278.6 | 3254.4 | 3276.6 |
| 10515.8 | 32.5° | 7709.3 | 3151.5 | 2709.7 | 2808.5 | 3012.3 | 3131.3 | 3167.7 | 3153.5 | 3135.4 | 3153.5 |
| 10566.3 | 35°   | 7291.7 | 2733.9 | 2580.5 | 2715.7 | 2915.5 | 3032.5 | 3078.9 | 3080.9 | 3080.9 | 3103.1 |
| 10699.4 | 37.5° | 6908.3 | 2489.7 | 2473.6 | 2657.2 | 2848.9 | 2953.8 | 3020.4 | 3024.4 | 2937.7 | 2943.7 |
| 10925.4 | 40°   | 6553.2 | 2386.8 | 2425.2 | 2618.9 | 2784.3 | 2885.2 | 2889.2 | 2663.3 | 2503.9 | 2499.8 |
| 11183.7 | 42.5° | 6262.7 | 2366.7 | 2439.3 | 2614.8 | 2737.9 | 2741.9 | 2457.5 | 2281.9 | 2237.5 | 2239.6 |
| 11421.7 | 45°   | 5990.3 | 2360.6 | 2471.6 | 2614.8 | 2669.3 | 2368.7 | 2177.0 | 2130.6 | 2134.6 | 2150.8 |
| 11528.7 | 47.5° | 5685.7 | 2336.4 | 2477.6 | 2578.5 | 2471.6 | 2106.4 | 2049.9 | 2029.7 | 2021.7 | 2025.7 |
| 11504.5 | 50°   | 5352.7 | 2249.6 | 2401.0 | 2505.9 | 2132.6 | 1993.4 | 1922.8 | 1916.7 | 1926.8 | 1932.9 |
| 11369.3 | 52.5° | 5001.7 | 2108.4 | 2269.8 | 2374.7 | 1977.3 | 1894.5 | 1815.9 | 1830.0 | 1874.4 | 1888.5 |
| 11228.1 | 55°   | 4771.7 | 1943.0 | 2096.3 | 2112.4 | 1868.3 | 1801.7 | 1735.2 | 1767.4 | 1850.2 | 1876.4 |
| 11143.3 | 57.5° | 4711.1 | 1767.4 | 1898.6 | 1880.4 | 1729.1 | 1721.0 | 1680.7 | 1708.9 | 1813.8 | 1852.2 |
| 11139.3 | 60°   | 4693.0 | 1610.1 | 1704.9 | 1690.8 | 1593.9 | 1632.3 | 1622.2 | 1636.3 | 1672.6 | 1684.7 |
| 11098.9 | 62.5° | 4551.7 | 1485.0 | 1531.4 | 1511.2 | 1472.9 | 1539.4 | 1563.7 | 1533.4 | 1561.6 | 1575.8 |
| 10822.5 | 65°   | 4192.6 | 1384.1 | 1361.9 | 1347.8 | 1363.9 | 1424.4 | 1472.9 | 1412.3 | 1438.6 | 1478.9 |
| 9757.2  | 67.5° | 3599.4 | 1246.9 | 1186.4 | 1202.5 | 1252.9 | 1285.2 | 1347.8 | 1279.2 | 1301.4 | 1370.0 |
| 7858.6  | 70°   | 2911.4 | 1073.4 | 1018.9 | 1065.3 | 1113.7 | 1180.3 | 1190.4 | 1144.0 | 1196.4 | 1273.1 |
| 4795.9  | 72.5° | 2060.0 | 897.8  | 859.5  | 954.3  | 970.5  | 1057.2 | 1035.0 | 1012.8 | 1085.5 | 1111.7 |
| 2370.7  | 75°   | 1428.5 | 724.3  | 702.1  | 774.8  | 833.3  | 907.9  | 891.8  | 918.0  | 1071.4 | 1083.5 |
| 1184.3  | 77.5° | 903.9  | 562.9  | 548.8  | 595.2  | 675.9  | 758.6  | 784.9  | 1083.5 | 1830.0 | 1902.6 |
| 615.4   | 80°   | 524.6  | 419.7  | 403.5  | 439.8  | 510.5  | 587.1  | 756.6  | 1329.6 | 1206.5 | 1192.4 |
| 276.4   | 82.5° | 292.6  | 288.5  | 268.3  | 278.4  | 341.0  | 423.7  | 1069.3 | 936.2  | 760.6  | 784.9  |
| 111.0   | 85°   | 137.2  | 169.5  | 145.3  | 139.2  | 191.7  | 496.3  | 714.2  | 534.7  | 355.1  | 347.0  |
| 24.2    | 87.5° | 36.3   | 32.3   | 32.3   | 36.3   | 80.7   | 427.7  | 284.5  | 228.0  | 135.2  | 131.1  |
| 0.0     | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF RI



