

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: P953338

Luminaire Tested: **GLAN-SB6D-935-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953338  
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-SB6D-935-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43658 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 440.1  
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

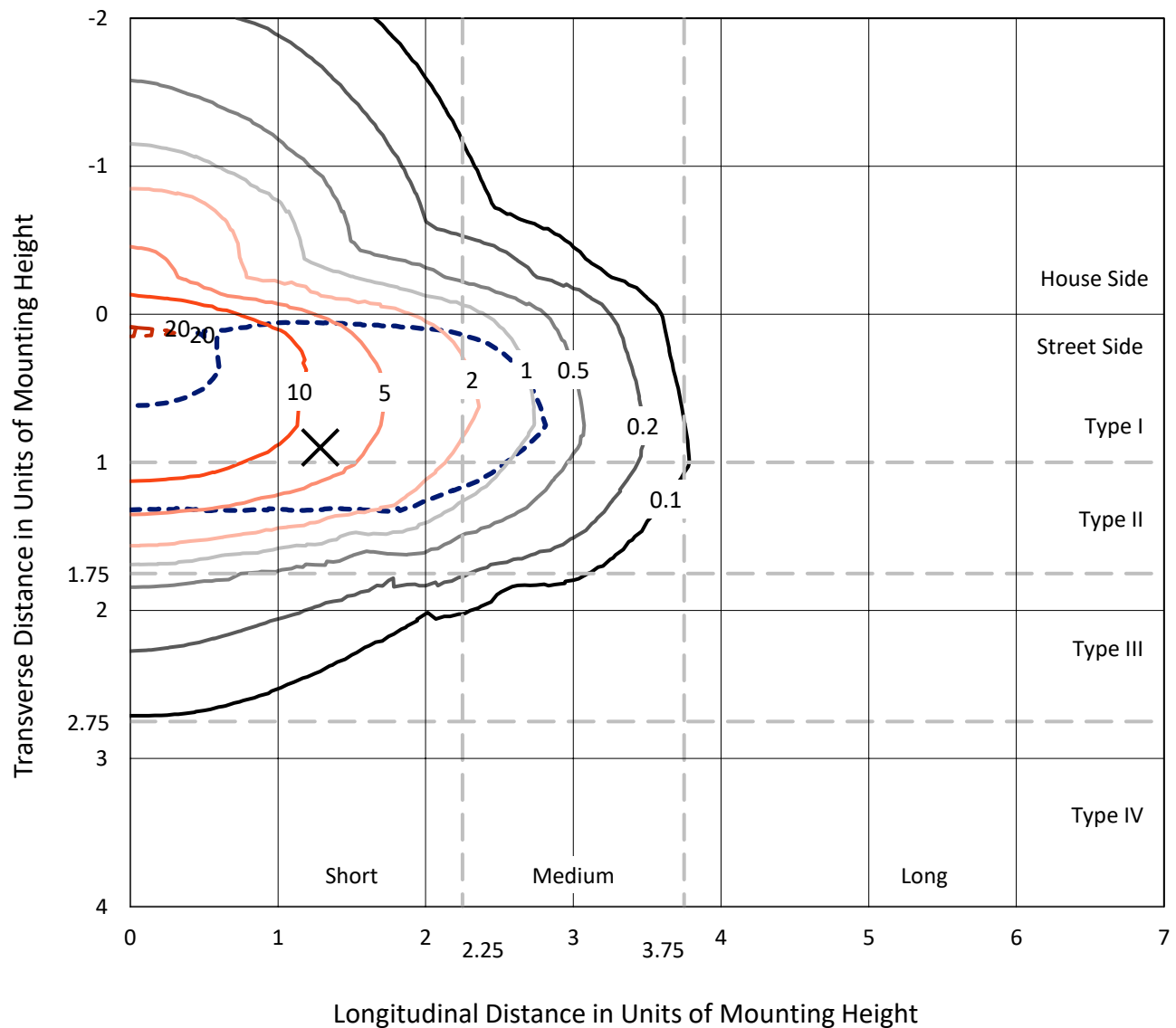


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## Iso-Footcandle Lines of Horizontal Illumination

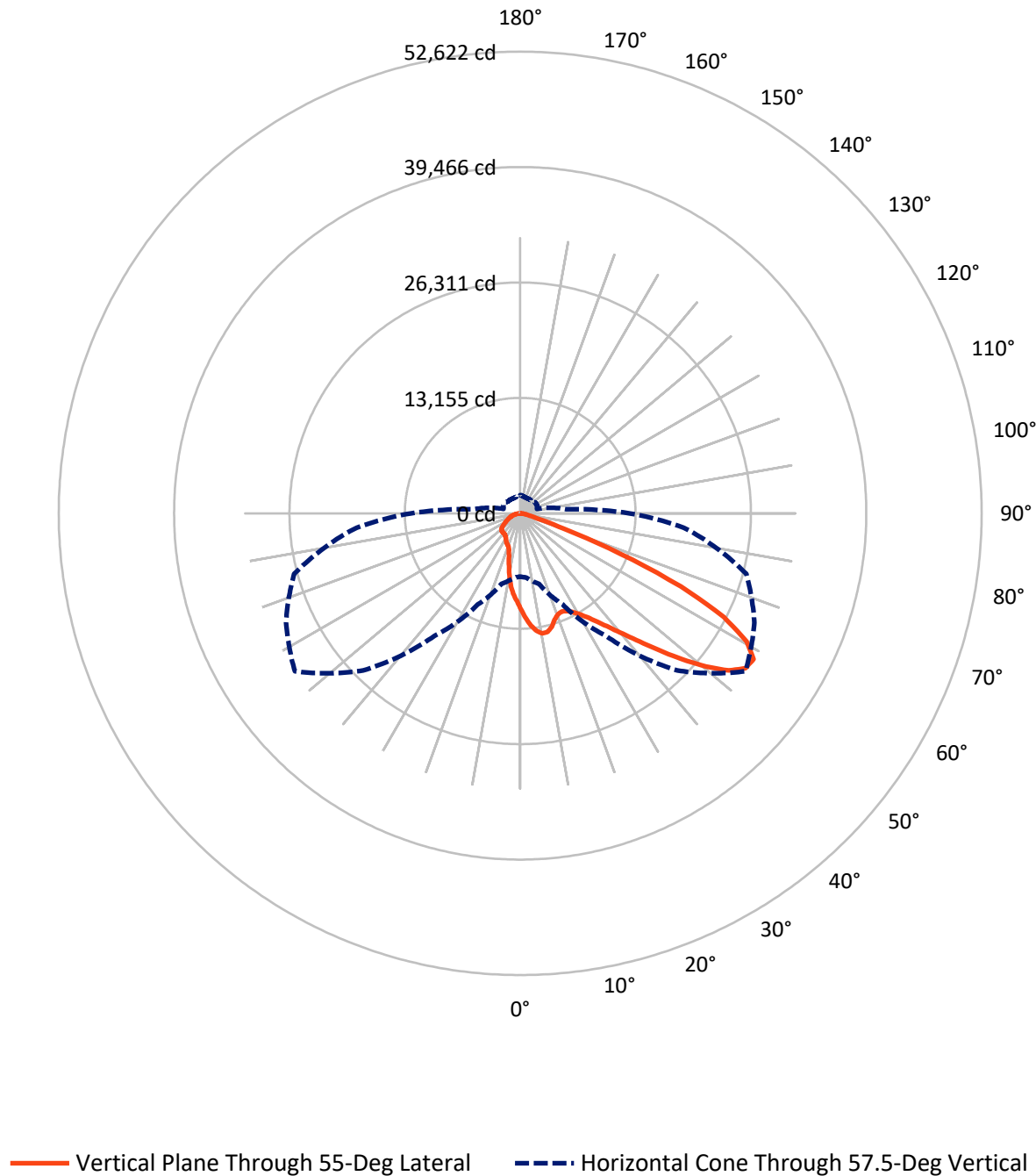
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.2 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    | 7899.7   | 0.0    | 7899.7  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 35758.3  | 0.0    | 35758.3 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 43658.0  | 0.0    | 43658.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1015.1  | 2.3       |
| 10°-20°   | 2562.2  | 5.9       |
| 20°-30°   | 4088.5  | 9.4       |
| 30°-40°   | 6473.1  | 14.8      |
| 40°-50°   | 9907.7  | 22.7      |
| 50°-60°   | 10612.1 | 24.3      |
| 60°-70°   | 6676.1  | 15.3      |
| 70°-80°   | 1974.3  | 4.5       |
| 80°-90°   | 349.1   | 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°    | 43658.0 | 100.0     |
| 0°-180°   | 43658.0 | 100.0     |

**Coefficient of Utilization**



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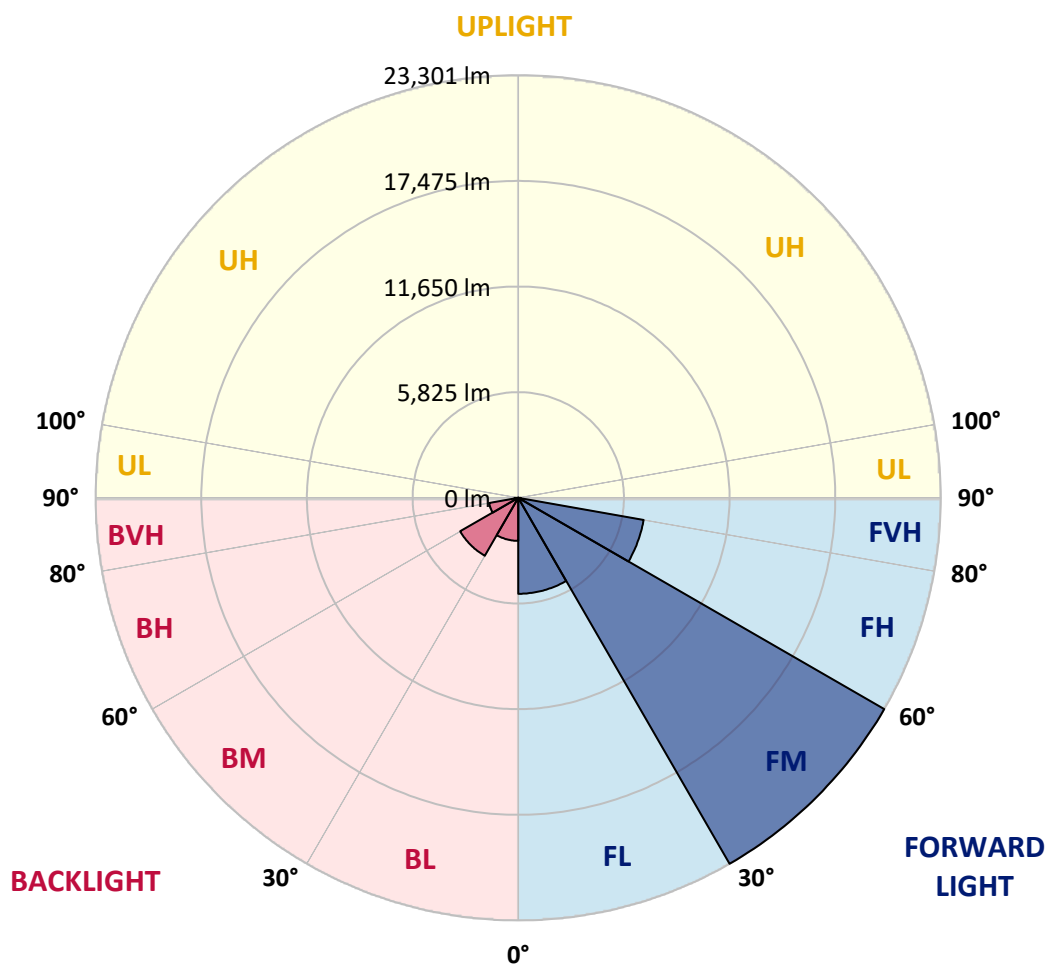
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5291.3  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 23300.6 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 7018.9  | 16.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 147.5   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2374.4  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3692.2  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1631.5  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 201.6   | 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°    | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 |
| 2.5°  | 12550.7 | 12541.7 | 12591.3 | 12422.1 | 12307.0 | 12151.2 | 11945.9 | 11684.1 | 11401.9 | 11104.0 |
| 5°    | 13681.4 | 13602.4 | 13654.3 | 13528.0 | 13401.6 | 13166.9 | 12862.2 | 12435.6 | 11914.3 | 11320.7 |
| 7.5°  | 13503.1 | 13449.0 | 13582.1 | 13695.0 | 13789.8 | 13760.4 | 13537.0 | 13090.1 | 12417.6 | 11555.4 |
| 10°   | 12065.5 | 12004.5 | 12191.9 | 12582.3 | 13155.6 | 13654.3 | 13925.2 | 13647.6 | 12932.1 | 11812.7 |
| 12.5° | 10797.1 | 10767.8 | 10891.9 | 11207.9 | 11844.3 | 12801.2 | 13875.5 | 14135.1 | 13467.0 | 12117.4 |
| 15°   | 10255.4 | 10219.3 | 10298.3 | 10458.6 | 10864.8 | 11756.3 | 13424.1 | 14469.1 | 13992.9 | 12469.5 |
| 17.5° | 10135.8 | 10095.2 | 10129.0 | 10212.6 | 10474.4 | 11153.7 | 12742.6 | 14633.9 | 14541.3 | 12862.2 |
| 20°   | 10357.0 | 10323.1 | 10327.7 | 10323.1 | 10505.9 | 11045.4 | 12268.6 | 14570.7 | 15019.8 | 13223.3 |
| 22.5° | 10891.9 | 10835.5 | 10837.7 | 10718.1 | 10817.4 | 11234.9 | 12144.5 | 14401.4 | 15446.3 | 13539.2 |
| 25°   | 11763.1 | 11661.5 | 11681.8 | 11377.1 | 11350.0 | 11659.2 | 12338.6 | 14270.5 | 15870.6 | 13792.0 |
| 27.5° | 12954.7 | 12839.6 | 12778.7 | 12325.0 | 12108.4 | 12261.8 | 12733.5 | 14315.6 | 16272.4 | 14010.9 |
| 30°   | 14444.3 | 14304.3 | 14180.2 | 13537.0 | 13144.3 | 13087.9 | 13347.4 | 14613.5 | 16746.3 | 14241.1 |
| 32.5° | 16270.1 | 16107.6 | 15881.9 | 15028.8 | 14475.9 | 14180.2 | 14141.8 | 15143.9 | 17301.5 | 14534.5 |
| 35°   | 18443.5 | 18231.4 | 17910.9 | 16807.3 | 16107.6 | 15502.8 | 15189.1 | 15909.0 | 18062.1 | 14976.9 |
| 37.5° | 20682.4 | 20443.2 | 20149.8 | 18836.2 | 17976.3 | 17084.9 | 16466.5 | 16947.2 | 19075.5 | 15577.2 |
| 40°   | 22747.5 | 22478.9 | 22205.8 | 21036.7 | 20113.6 | 19039.4 | 18030.5 | 18260.7 | 20314.5 | 16294.9 |
| 42.5° | 23966.2 | 23767.6 | 23663.8 | 23031.8 | 22318.7 | 21228.6 | 19976.0 | 19818.0 | 21707.0 | 17121.0 |
| 45°   | 23912.0 | 23830.8 | 24151.3 | 24413.1 | 24243.8 | 23639.0 | 22255.5 | 21540.0 | 23104.1 | 17836.4 |
| 47.5° | 22634.6 | 22688.8 | 23404.2 | 24875.7 | 25523.5 | 25839.4 | 24850.9 | 23230.4 | 24318.3 | 18371.3 |
| 50°   | 19159.0 | 19204.1 | 20860.7 | 24033.9 | 25853.0 | 27633.7 | 27426.1 | 24880.3 | 25259.4 | 18698.6 |
| 52.5° | 16407.8 | 16437.1 | 17148.1 | 21537.8 | 24765.2 | 28536.5 | 29746.2 | 26435.3 | 25947.8 | 18788.8 |
| 55°   | 12358.9 | 12460.4 | 13257.1 | 16897.5 | 21935.0 | 27821.0 | 31159.0 | 28037.7 | 26383.4 | 18797.9 |
| 57.5° | 7219.9  | 7330.5  | 8314.5  | 11469.7 | 17048.8 | 25327.1 | 31373.4 | 29459.5 | 26679.0 | 18725.6 |
| 60°   | 3536.6  | 3584.0  | 4012.8  | 6028.2  | 10512.7 | 20522.1 | 29649.1 | 30147.9 | 26843.8 | 18687.3 |
| 62.5° | 2383.3  | 2376.5  | 2394.6  | 2974.6  | 5179.6  | 13184.9 | 26056.1 | 28942.7 | 26755.8 | 18540.6 |
| 65°   | 2049.3  | 2024.5  | 1956.7  | 2087.6  | 2683.5  | 6030.5  | 20131.7 | 25345.2 | 26085.4 | 18172.7 |
| 67.5° | 1771.7  | 1773.9  | 1776.2  | 1735.6  | 1916.1  | 2782.8  | 12302.5 | 19964.7 | 23679.6 | 16430.4 |
| 70°   | 1467.0  | 1487.3  | 1496.3  | 1496.3  | 1561.8  | 1825.8  | 5251.8  | 13683.7 | 18678.2 | 12882.5 |
| 72.5° | 1336.1  | 1293.2  | 1297.7  | 1275.2  | 1275.2  | 1390.3  | 2114.7  | 7757.0  | 11767.6 | 7247.0  |
| 75°   | 1090.1  | 1117.2  | 1121.7  | 1105.9  | 1054.0  | 1060.8  | 1254.8  | 3254.5  | 5035.2  | 3006.2  |
| 77.5° | 941.1   | 941.1   | 950.2   | 938.9   | 898.3   | 794.4   | 837.3   | 1261.6  | 1713.0  | 1232.3  |
| 80°   | 756.1   | 753.8   | 792.2   | 814.7   | 751.6   | 586.8   | 534.9   | 697.4   | 760.6   | 541.7   |
| 82.5° | 367.9   | 390.4   | 543.9   | 620.7   | 571.0   | 424.3   | 327.3   | 433.3   | 406.2   | 239.2   |
| 85°   | 214.4   | 203.1   | 243.7   | 345.3   | 327.3   | 234.7   | 158.0   | 225.7   | 212.2   | 121.9   |
| 87.5° | 67.7    | 63.2    | 49.7    | 117.4   | 94.8    | 65.5    | 42.9    | 65.5    | 58.7    | 27.1    |
| 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):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10939.3 | 0°    | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 | 10939.3 |
| 10975.4 | 2.5°  | 10815.1 | 10548.8 | 10284.8 | 10043.3 | 9896.6  | 9801.8  | 9707.0  | 9600.9  | 9560.3  | 9499.4  |
| 11004.7 | 5°    | 10706.8 | 10192.2 | 9734.1  | 9339.1  | 8980.3  | 8698.2  | 8413.8  | 8183.6  | 8079.8  | 8149.7  |
| 11097.3 | 7.5°  | 10643.6 | 9898.8  | 9192.4  | 8468.0  | 7770.6  | 7213.1  | 6727.9  | 6387.1  | 6233.6  | 6272.0  |
| 11187.5 | 10°   | 10587.2 | 9567.1  | 8490.5  | 7346.3  | 6344.2  | 5653.6  | 5157.1  | 4897.5  | 4800.5  | 4820.8  |
| 11309.4 | 12.5° | 10535.3 | 9194.7  | 7644.2  | 6138.8  | 5073.5  | 4617.7  | 4475.5  | 4477.7  | 4495.8  | 4509.3  |
| 11503.5 | 15°   | 10526.3 | 8745.6  | 6698.5  | 5082.6  | 4387.4  | 4358.1  | 4511.6  | 4608.6  | 4660.5  | 4676.3  |
| 11666.0 | 17.5° | 10512.7 | 8208.4  | 5734.8  | 4362.6  | 4220.4  | 4419.0  | 4561.2  | 4624.4  | 4665.0  | 4667.3  |
| 11824.0 | 20°   | 10458.6 | 7526.8  | 4845.6  | 4019.6  | 4184.3  | 4355.9  | 4443.9  | 4493.5  | 4527.4  | 4538.7  |
| 11943.6 | 22.5° | 10291.5 | 6768.5  | 4152.7  | 3866.1  | 4039.9  | 4177.6  | 4281.4  | 4337.8  | 4358.1  | 4371.6  |
| 11966.2 | 25°   | 9991.4  | 5919.9  | 3674.3  | 3719.4  | 3839.0  | 4012.8  | 4096.3  | 4107.6  | 4100.8  | 4121.1  |
| 11909.8 | 27.5° | 9598.7  | 5010.4  | 3376.3  | 3520.8  | 3674.3  | 3823.2  | 3868.4  | 3861.6  | 3848.0  | 3870.6  |
| 11812.7 | 30°   | 9124.7  | 4193.4  | 3186.8  | 3297.4  | 3507.2  | 3642.7  | 3683.3  | 3667.5  | 3640.4  | 3665.2  |
| 11763.1 | 32.5° | 8623.7  | 3525.3  | 3031.0  | 3141.6  | 3369.6  | 3502.7  | 3543.4  | 3527.6  | 3507.2  | 3527.6  |
| 11819.5 | 35°   | 8156.5  | 3058.1  | 2886.6  | 3037.8  | 3261.2  | 3392.1  | 3444.1  | 3446.3  | 3446.3  | 3471.1  |
| 11968.4 | 37.5° | 7727.7  | 2785.0  | 2767.0  | 2972.4  | 3186.8  | 3304.1  | 3378.6  | 3383.1  | 3286.1  | 3292.8  |
| 12221.2 | 40°   | 7330.5  | 2669.9  | 2712.8  | 2929.5  | 3114.5  | 3227.4  | 3231.9  | 2979.1  | 2800.8  | 2796.3  |
| 12510.1 | 42.5° | 7005.5  | 2647.4  | 2728.6  | 2925.0  | 3062.6  | 3067.2  | 2748.9  | 2552.6  | 2502.9  | 2505.2  |
| 12776.4 | 45°   | 6700.8  | 2640.6  | 2764.7  | 2925.0  | 2985.9  | 2649.6  | 2435.2  | 2383.3  | 2387.8  | 2405.9  |
| 12896.0 | 47.5° | 6360.0  | 2613.5  | 2771.5  | 2884.3  | 2764.7  | 2356.2  | 2293.0  | 2270.5  | 2261.4  | 2265.9  |
| 12868.9 | 50°   | 5987.6  | 2516.5  | 2685.7  | 2803.1  | 2385.6  | 2229.8  | 2150.8  | 2144.1  | 2155.4  | 2162.1  |
| 12717.7 | 52.5° | 5594.9  | 2358.5  | 2539.0  | 2656.4  | 2211.8  | 2119.2  | 2031.2  | 2047.0  | 2096.7  | 2112.5  |
| 12559.7 | 55°   | 5337.6  | 2173.4  | 2344.9  | 2363.0  | 2089.9  | 2015.4  | 1940.9  | 1977.1  | 2069.6  | 2098.9  |
| 12465.0 | 57.5° | 5269.9  | 1977.1  | 2123.8  | 2103.4  | 1934.2  | 1925.2  | 1880.0  | 1911.6  | 2029.0  | 2071.8  |
| 12460.4 | 60°   | 5249.6  | 1801.0  | 1907.1  | 1891.3  | 1783.0  | 1825.8  | 1814.6  | 1830.4  | 1871.0  | 1884.5  |
| 12415.3 | 62.5° | 5091.6  | 1661.1  | 1713.0  | 1690.4  | 1647.5  | 1722.0  | 1749.1  | 1715.3  | 1746.9  | 1762.7  |
| 12106.1 | 65°   | 4689.9  | 1548.2  | 1523.4  | 1507.6  | 1525.7  | 1593.4  | 1647.5  | 1579.8  | 1609.2  | 1654.3  |
| 10914.5 | 67.5° | 4026.3  | 1394.8  | 1327.1  | 1345.1  | 1401.5  | 1437.7  | 1507.6  | 1430.9  | 1455.7  | 1532.4  |
| 8790.7  | 70°   | 3256.7  | 1200.7  | 1139.7  | 1191.7  | 1245.8  | 1320.3  | 1331.6  | 1279.7  | 1338.4  | 1424.1  |
| 5364.7  | 72.5° | 2304.3  | 1004.3  | 961.4   | 1067.5  | 1085.6  | 1182.6  | 1157.8  | 1133.0  | 1214.2  | 1243.6  |
| 2651.9  | 75°   | 1597.9  | 810.2   | 785.4   | 866.7   | 932.1   | 1015.6  | 997.6   | 1026.9  | 1198.4  | 1212.0  |
| 1324.8  | 77.5° | 1011.1  | 629.7   | 613.9   | 665.8   | 756.1   | 848.6   | 877.9   | 1212.0  | 2047.0  | 2128.3  |
| 688.4   | 80°   | 586.8   | 469.4   | 451.4   | 492.0   | 571.0   | 656.8   | 846.3   | 1487.3  | 1349.6  | 1333.8  |
| 309.2   | 82.5° | 327.3   | 322.7   | 300.2   | 311.5   | 381.4   | 474.0   | 1196.2  | 1047.2  | 850.9   | 877.9   |
| 124.1   | 85°   | 153.5   | 189.6   | 162.5   | 155.7   | 214.4   | 555.2   | 798.9   | 598.1   | 397.2   | 388.2   |
| 27.1    | 87.5° | 40.6    | 36.1    | 36.1    | 40.6    | 90.3    | 478.5   | 318.2   | 255.0   | 151.2   | 146.7   |
| 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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