

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: P952174

Luminaire Tested: **GLAN-SB6A-835-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-835-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 19282 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3

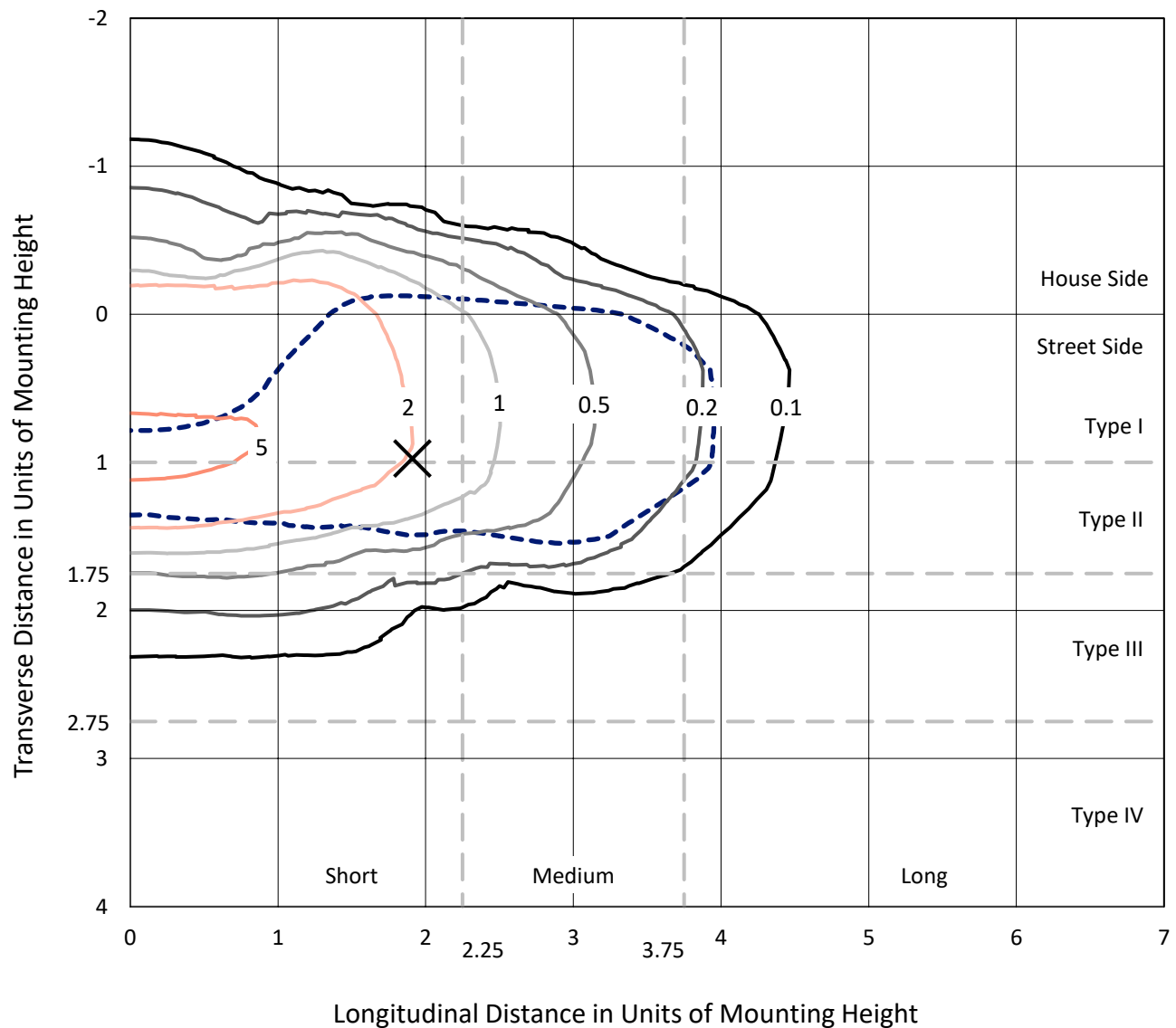
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

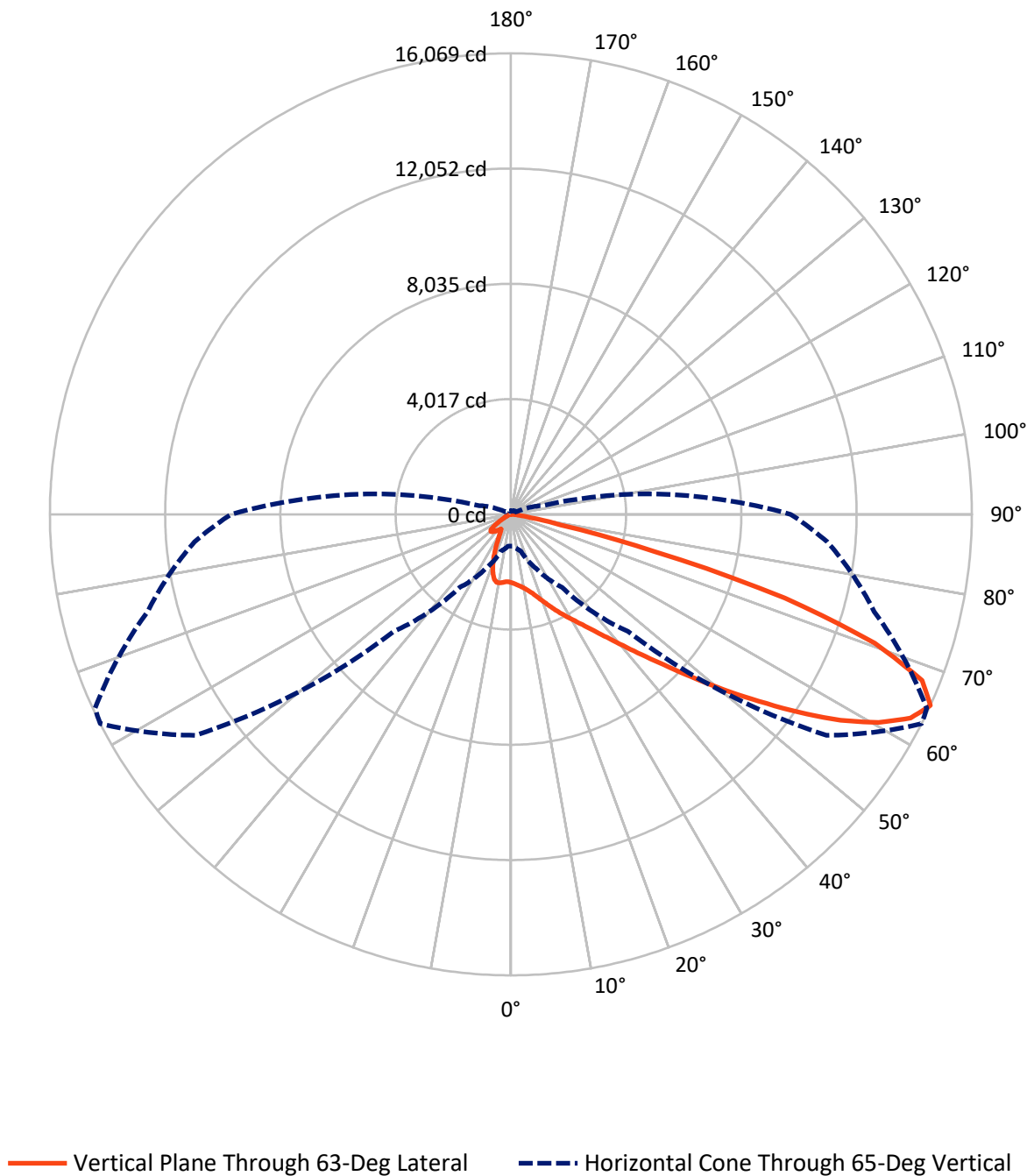
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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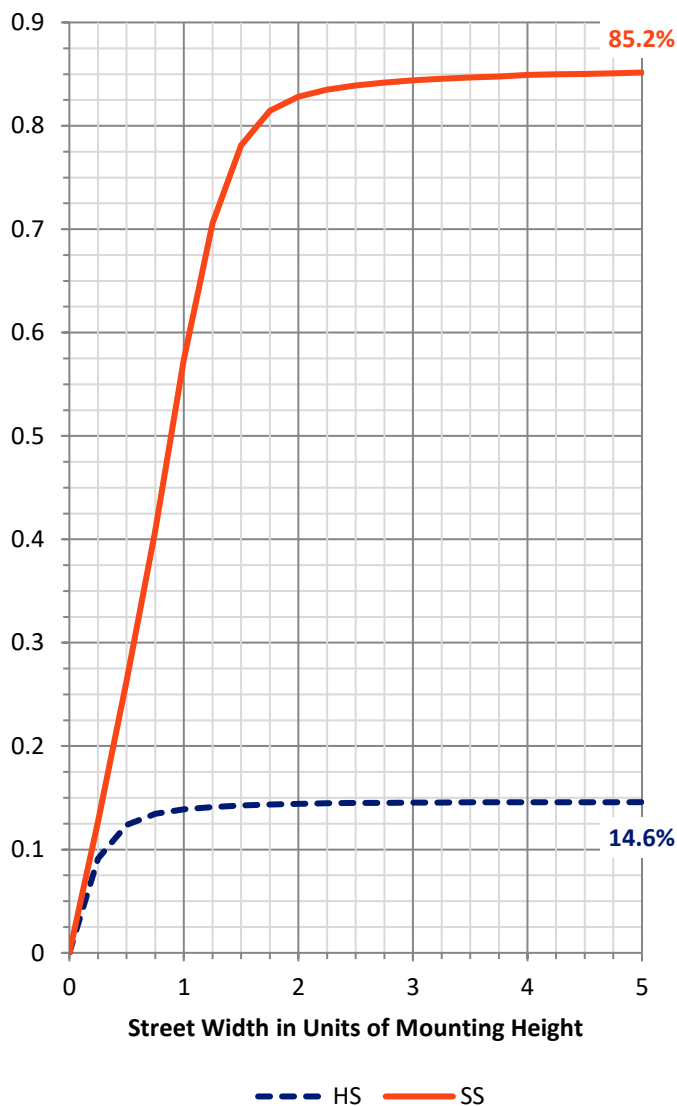
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2834.3   | 0.0    | 2834.3  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 16447.7  | 0.0    | 16447.7 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 19282.0  | 0.0    | 19282.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 224.2   | 1.2       |
| 10°-20°   | 622.1   | 3.2       |
| 20°-30°   | 1083.3  | 5.6       |
| 30°-40°   | 1952.5  | 10.1      |
| 40°-50°   | 3872.4  | 20.1      |
| 50°-60°   | 5274.9  | 27.4      |
| 60°-70°   | 4210.4  | 21.8      |
| 70°-80°   | 1905.3  | 9.9       |
| 80°-90°   | 137.0   | 0.7       |
| 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°    | 19282.0 | 100.0     |
| 0°-180°   | 19282.0 | 100.0     |

**Coefficient of Utilization**



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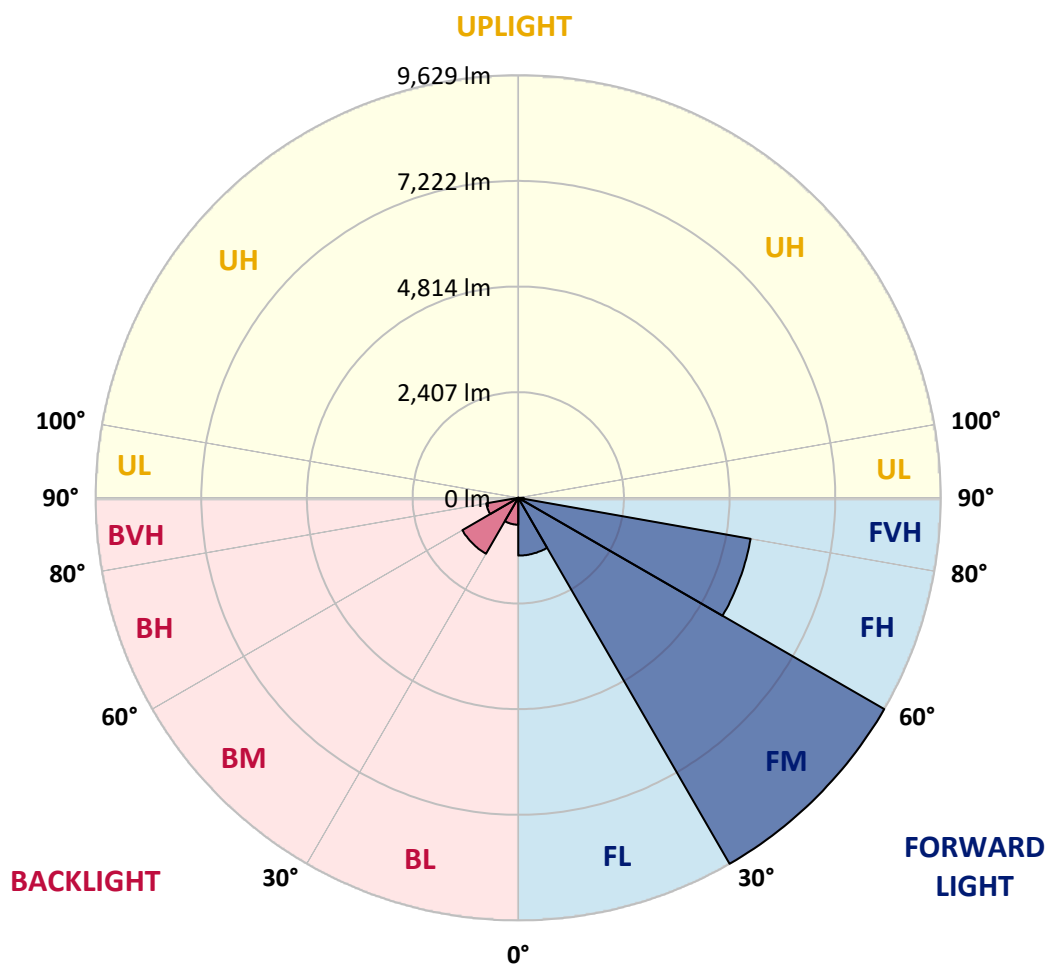
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1316.2 | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 9629.0 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 5375.7 | 27.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 126.8  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 613.4  | 3.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1470.8 | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 739.9  | 3.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 10.2   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2379.8  | 2379.8  | 2379.8  | 2379.8  | 2379.8  | 2379.8  | 2379.8  | 2379.8  | 2379.8  | 2379.8  |
| 2.5°  | 2435.5  | 2428.8  | 2438.1  | 2434.2  | 2431.5  | 2426.2  | 2423.5  | 2420.9  | 2415.6  | 2411.6  |
| 5°    | 2442.1  | 2438.1  | 2447.4  | 2455.4  | 2463.3  | 2471.3  | 2475.3  | 2480.6  | 2475.3  | 2464.7  |
| 7.5°  | 2386.4  | 2383.7  | 2403.6  | 2427.5  | 2463.3  | 2493.8  | 2527.0  | 2545.6  | 2546.9  | 2542.9  |
| 10°   | 2382.4  | 2375.8  | 2395.7  | 2424.9  | 2471.3  | 2525.7  | 2584.0  | 2623.8  | 2629.1  | 2646.4  |
| 12.5° | 2444.8  | 2438.1  | 2466.0  | 2497.8  | 2545.6  | 2602.6  | 2674.2  | 2730.0  | 2737.9  | 2761.8  |
| 15°   | 2549.6  | 2540.3  | 2572.1  | 2613.2  | 2674.2  | 2739.2  | 2814.9  | 2865.3  | 2871.9  | 2901.1  |
| 17.5° | 2671.6  | 2662.3  | 2699.5  | 2743.2  | 2809.6  | 2898.4  | 2986.0  | 3041.7  | 3049.7  | 3068.2  |
| 20°   | 2828.1  | 2816.2  | 2845.4  | 2885.2  | 2955.5  | 3061.6  | 3166.4  | 3246.0  | 3244.6  | 3244.6  |
| 22.5° | 3009.9  | 2991.3  | 3016.5  | 3048.3  | 3114.7  | 3243.3  | 3382.6  | 3476.8  | 3476.8  | 3439.6  |
| 25°   | 3204.9  | 3186.3  | 3214.1  | 3243.3  | 3301.7  | 3447.6  | 3610.8  | 3727.5  | 3732.8  | 3669.1  |
| 27.5° | 3448.9  | 3425.1  | 3446.3  | 3480.8  | 3515.3  | 3663.8  | 3857.5  | 3992.8  | 3995.5  | 3897.3  |
| 30°   | 3918.5  | 3850.9  | 3784.5  | 3747.4  | 3763.3  | 3910.6  | 4117.5  | 4267.4  | 4280.7  | 4145.4  |
| 32.5° | 4778.1  | 4764.8  | 4531.4  | 4226.3  | 4067.1  | 4175.9  | 4408.0  | 4588.4  | 4596.4  | 4422.6  |
| 35°   | 6113.9  | 6098.0  | 5722.6  | 5141.6  | 4622.9  | 4531.4  | 4760.9  | 4974.4  | 4969.1  | 4772.8  |
| 37.5° | 7708.4  | 7693.8  | 7199.0  | 6421.6  | 5582.0  | 5068.6  | 5215.8  | 5440.0  | 5473.2  | 5215.8  |
| 40°   | 9070.7  | 9016.3  | 8703.2  | 7953.8  | 6855.4  | 5960.0  | 5863.2  | 6011.8  | 6046.2  | 5741.1  |
| 42.5° | 10102.7 | 10056.3 | 9897.1  | 9428.8  | 8396.8  | 7278.6  | 6625.9  | 6683.0  | 6721.4  | 6355.3  |
| 45°   | 10637.3 | 10626.7 | 10690.4 | 10646.6 | 9967.4  | 8896.9  | 7716.3  | 7478.9  | 7493.5  | 7035.8  |
| 47.5° | 10712.9 | 10707.6 | 10998.1 | 11409.3 | 11317.8 | 10722.2 | 9115.8  | 8471.1  | 8419.4  | 7803.9  |
| 50°   | 10267.2 | 10256.6 | 10813.7 | 11584.4 | 12219.8 | 12255.6 | 10705.0 | 9589.4  | 9475.3  | 8598.5  |
| 52.5° | 8843.9  | 8841.2  | 9756.5  | 11039.2 | 12536.9 | 13598.1 | 12275.5 | 10817.7 | 10626.7 | 9439.5  |
| 55°   | 6805.0  | 6854.1  | 7903.4  | 9419.6  | 11958.5 | 14244.1 | 13685.6 | 12181.4 | 11888.2 | 10285.8 |
| 57.5° | 4820.5  | 4892.2  | 5929.5  | 7279.9  | 10165.1 | 13862.1 | 14639.4 | 13547.7 | 13232.0 | 11129.4 |
| 60°   | 2589.4  | 2653.0  | 3691.7  | 5303.4  | 7562.4  | 12437.4 | 15142.1 | 14733.6 | 14435.1 | 11930.7 |
| 62.5° | 1542.7  | 1564.0  | 1993.7  | 3423.7  | 5115.0  | 9501.8  | 14928.6 | 15636.9 | 15391.5 | 12603.2 |
| 65°   | 1107.6  | 1111.6  | 1327.8  | 2090.6  | 3105.4  | 5773.0  | 13430.9 | 16069.4 | 15993.8 | 13109.9 |
| 67.5° | 932.5   | 929.9   | 1020.1  | 1388.9  | 2115.8  | 2891.8  | 10293.7 | 15457.8 | 15778.9 | 13430.9 |
| 70°   | 799.9   | 803.9   | 910.0   | 1017.4  | 1590.5  | 1636.9  | 5117.7  | 13458.8 | 14143.3 | 13515.8 |
| 72.5° | 595.6   | 608.9   | 707.0   | 927.2   | 1200.5  | 1126.2  | 1766.9  | 9979.4  | 11217.0 | 12734.5 |
| 75°   | 420.5   | 427.1   | 497.4   | 780.0   | 895.4   | 819.8   | 902.0   | 5158.8  | 6745.3  | 9763.1  |
| 77.5° | 323.7   | 335.6   | 376.7   | 545.2   | 882.1   | 575.7   | 551.8   | 1785.5  | 2743.2  | 5897.7  |
| 80°   | 175.1   | 196.3   | 271.9   | 394.0   | 619.5   | 407.2   | 273.3   | 711.0   | 929.9   | 2757.8  |
| 82.5° | 90.2    | 100.8   | 189.7   | 283.9   | 352.9   | 355.5   | 135.3   | 295.8   | 383.4   | 851.6   |
| 85°   | 35.8    | 43.8    | 127.3   | 156.5   | 181.7   | 175.1   | 61.0    | 119.4   | 138.0   | 236.1   |
| 87.5° | 8.0     | 13.3    | 46.4    | 35.8    | 34.5    | 37.1    | 14.6    | 27.9    | 26.5    | 27.9    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2379.8  | 0°    | 2379.8 | 2379.8 | 2379.8 | 2379.8 | 2379.8 | 2379.8 | 2379.8 | 2379.8 | 2379.8 | 2379.8 |
| 2395.7  | 2.5°  | 2394.4 | 2389.0 | 2374.5 | 2358.5 | 2340.0 | 2329.4 | 2322.7 | 2321.4 | 2312.1 | 2305.5 |
| 2448.7  | 5°    | 2434.2 | 2428.8 | 2401.0 | 2367.8 | 2332.0 | 2304.2 | 2277.6 | 2253.7 | 2219.3 | 2212.6 |
| 2525.7  | 7.5°  | 2513.7 | 2499.1 | 2454.0 | 2408.9 | 2341.3 | 2260.4 | 2162.2 | 2049.5 | 1948.6 | 1918.1 |
| 2627.8  | 10°   | 2611.9 | 2592.0 | 2535.0 | 2455.4 | 2305.5 | 2085.3 | 1847.8 | 1627.6 | 1452.5 | 1403.5 |
| 2748.5  | 12.5° | 2723.3 | 2706.1 | 2630.5 | 2483.2 | 2155.6 | 1756.3 | 1392.8 | 1119.6 | 949.8  | 907.3  |
| 2877.2  | 15°   | 2856.0 | 2830.8 | 2726.0 | 2440.8 | 1887.6 | 1334.5 | 956.4  | 794.6  | 733.6  | 725.6  |
| 3024.4  | 17.5° | 2996.6 | 2955.5 | 2810.9 | 2288.2 | 1526.8 | 948.5  | 738.9  | 692.4  | 665.9  | 658.0  |
| 3173.0  | 20°   | 3125.3 | 3072.2 | 2861.3 | 2057.4 | 1140.8 | 738.9  | 661.9  | 631.4  | 607.5  | 598.3  |
| 3321.6  | 22.5° | 3253.9 | 3178.3 | 2861.3 | 1743.0 | 855.6  | 655.3  | 607.5  | 579.7  | 551.8  | 539.9  |
| 3480.8  | 25°   | 3387.9 | 3287.1 | 2810.9 | 1392.8 | 688.5  | 600.9  | 555.8  | 525.3  | 501.4  | 486.8  |
| 3632.0  | 27.5° | 3517.9 | 3378.6 | 2695.5 | 1061.2 | 612.8  | 553.2  | 508.1  | 478.9  | 456.3  | 445.7  |
| 3796.5  | 30°   | 3641.3 | 3468.8 | 2533.6 | 805.2  | 563.8  | 506.7  | 464.3  | 439.1  | 416.5  | 405.9  |
| 4010.0  | 32.5° | 3808.4 | 3582.9 | 2361.2 | 660.6  | 521.3  | 463.0  | 424.5  | 400.6  | 380.7  | 372.7  |
| 4287.3  | 35°   | 4040.6 | 3751.4 | 2212.6 | 648.7  | 485.5  | 427.1  | 388.7  | 366.1  | 346.2  | 339.6  |
| 4645.4  | 37.5° | 4369.5 | 4023.3 | 2134.4 | 728.3  | 456.3  | 395.3  | 359.5  | 335.6  | 317.0  | 311.7  |
| 5100.4  | 40°   | 4775.4 | 4392.1 | 2176.8 | 807.8  | 436.4  | 367.4  | 333.0  | 309.1  | 293.2  | 286.5  |
| 5623.1  | 42.5° | 5257.0 | 4847.1 | 2411.6 | 868.9  | 423.2  | 343.6  | 307.8  | 281.2  | 270.6  | 268.0  |
| 6216.0  | 45°   | 5810.1 | 5347.2 | 2771.1 | 933.9  | 401.9  | 321.0  | 282.5  | 262.6  | 254.7  | 253.4  |
| 6860.7  | 47.5° | 6438.9 | 5896.3 | 3187.6 | 1014.8 | 380.7  | 299.8  | 262.6  | 249.4  | 242.8  | 240.1  |
| 7533.3  | 50°   | 7062.4 | 6449.5 | 3616.1 | 1059.9 | 363.5  | 279.9  | 246.7  | 236.1  | 230.8  | 229.5  |
| 8244.3  | 52.5° | 7715.0 | 7018.6 | 3962.3 | 1017.4 | 348.9  | 264.0  | 233.5  | 225.5  | 220.2  | 218.9  |
| 8899.6  | 55°   | 8337.1 | 7478.9 | 4022.0 | 863.6  | 319.7  | 248.1  | 218.9  | 214.9  | 208.3  | 208.3  |
| 9564.2  | 57.5° | 8873.0 | 7709.7 | 3600.2 | 634.1  | 290.5  | 224.2  | 204.3  | 200.3  | 195.0  | 193.7  |
| 10163.7 | 60°   | 9365.2 | 7643.4 | 2779.0 | 427.1  | 258.7  | 200.3  | 185.7  | 183.1  | 177.8  | 171.1  |
| 10685.1 | 62.5° | 9642.4 | 7351.5 | 1900.9 | 278.6  | 226.8  | 175.1  | 164.5  | 163.2  | 151.2  | 138.0  |
| 11071.1 | 65°   | 9747.2 | 6751.9 | 1185.9 | 203.0  | 189.7  | 149.9  | 141.9  | 139.3  | 122.0  | 107.4  |
| 11289.9 | 67.5° | 9655.7 | 5765.0 | 598.3  | 160.5  | 149.9  | 124.7  | 116.7  | 116.7  | 104.8  | 91.5   |
| 11276.7 | 70°   | 9289.6 | 4321.8 | 252.0  | 128.7  | 115.4  | 95.5   | 95.5   | 100.8  | 88.9   | 74.3   |
| 10691.7 | 72.5° | 8495.0 | 2907.7 | 134.0  | 98.2   | 86.2   | 67.7   | 78.3   | 82.2   | 70.3   | 55.7   |
| 8751.0  | 75°   | 6753.3 | 1773.5 | 92.9   | 73.0   | 54.4   | 47.8   | 59.7   | 62.3   | 47.8   | 37.1   |
| 5999.8  | 77.5° | 4618.9 | 1018.8 | 62.3   | 46.4   | 34.5   | 27.9   | 41.1   | 38.5   | 25.2   | 17.2   |
| 2313.4  | 80°   | 2028.2 | 424.5  | 35.8   | 21.2   | 13.3   | 10.6   | 14.6   | 10.6   | 8.0    | 5.3    |
| 317.0   | 82.5° | 237.4  | 99.5   | 13.3   | 8.0    | 5.3    | 2.7    | 1.3    | 0.0    | 0.0    | 0.0    |
| 96.8    | 85°   | 49.1   | 11.9   | 6.6    | 2.7    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 17.2    | 87.5° | 9.3    | 2.7    | 1.3    | 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    |

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| 180°   |
|--------|
| 2379.8 |
| 2312.1 |
| 2210.0 |
| 1903.5 |
| 1384.9 |
| 895.4  |
| 717.6  |
| 654.0  |
| 593.0  |
| 533.3  |
| 481.5  |
| 445.7  |
| 407.2  |
| 372.7  |
| 339.6  |
| 310.4  |
| 285.2  |
| 268.0  |
| 252.0  |
| 240.1  |
| 229.5  |
| 218.9  |
| 206.9  |
| 192.3  |
| 169.8  |
| 135.3  |
| 106.1  |
| 90.2   |
| 73.0   |
| 55.7   |
| 35.8   |
| 18.6   |
| 5.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |