

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: P942826

Luminaire Tested: **GLAN-SB7A-735-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25019 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 199.1  
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

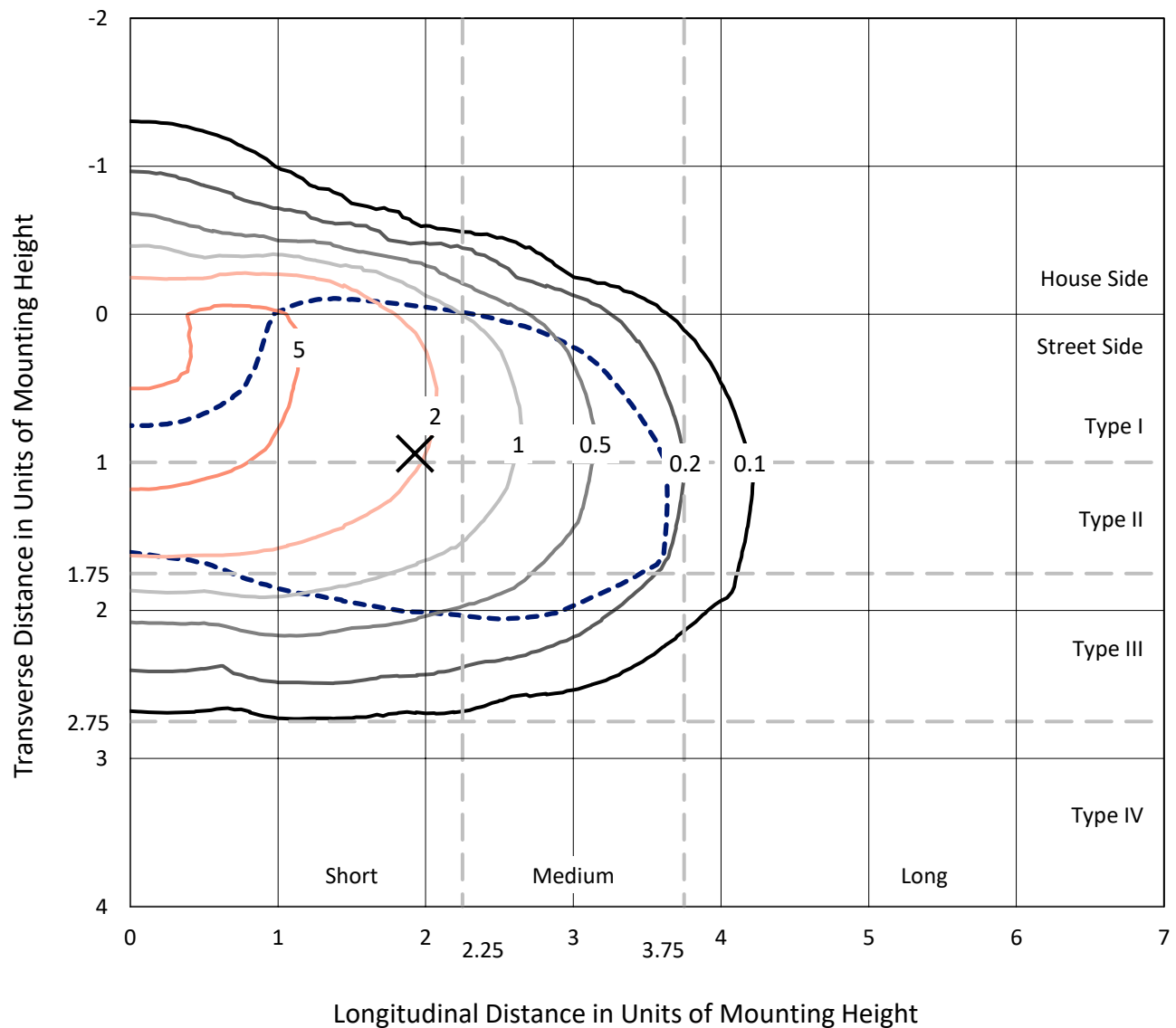


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## Iso-Footcandle Lines of Horizontal Illumination

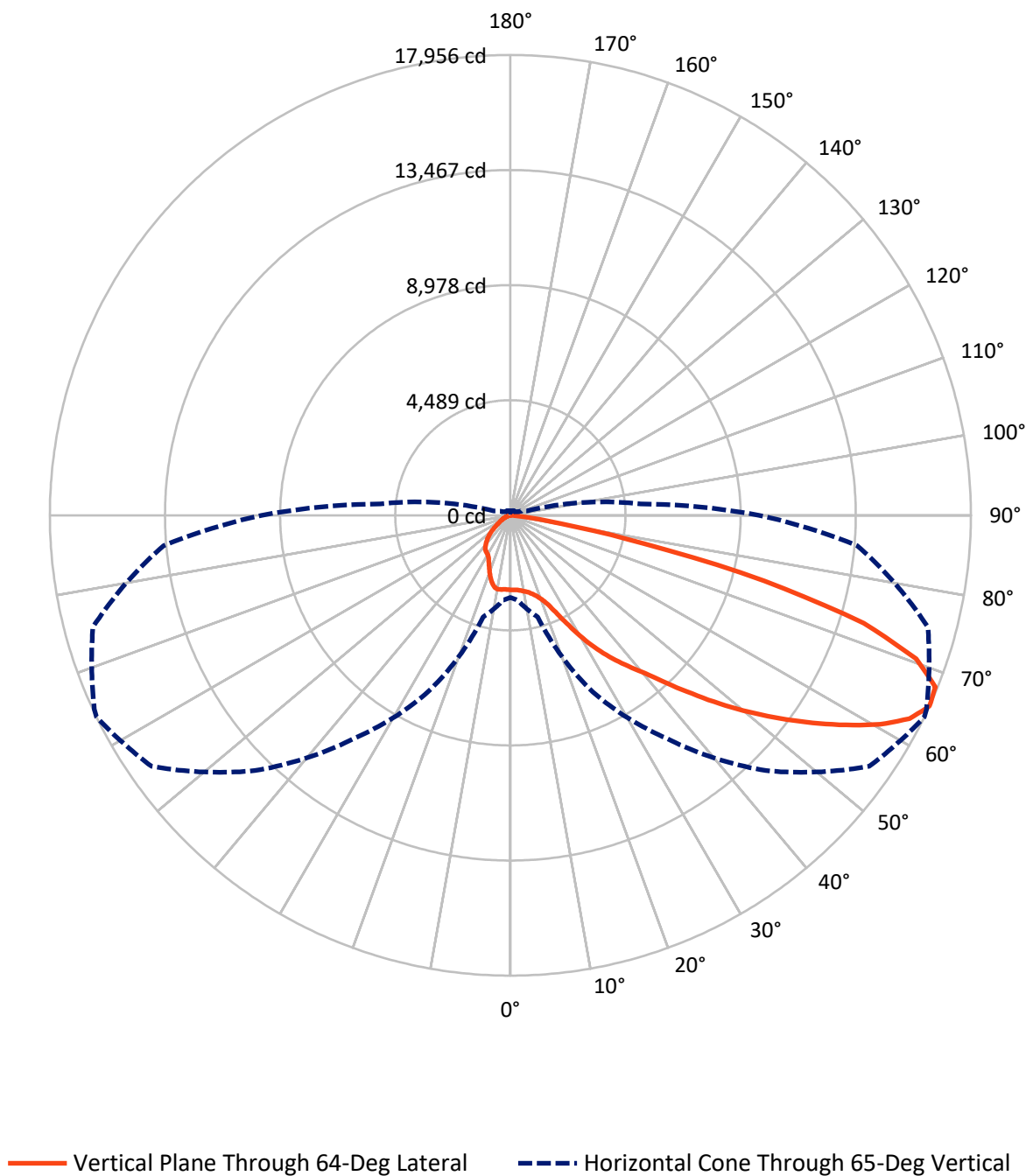
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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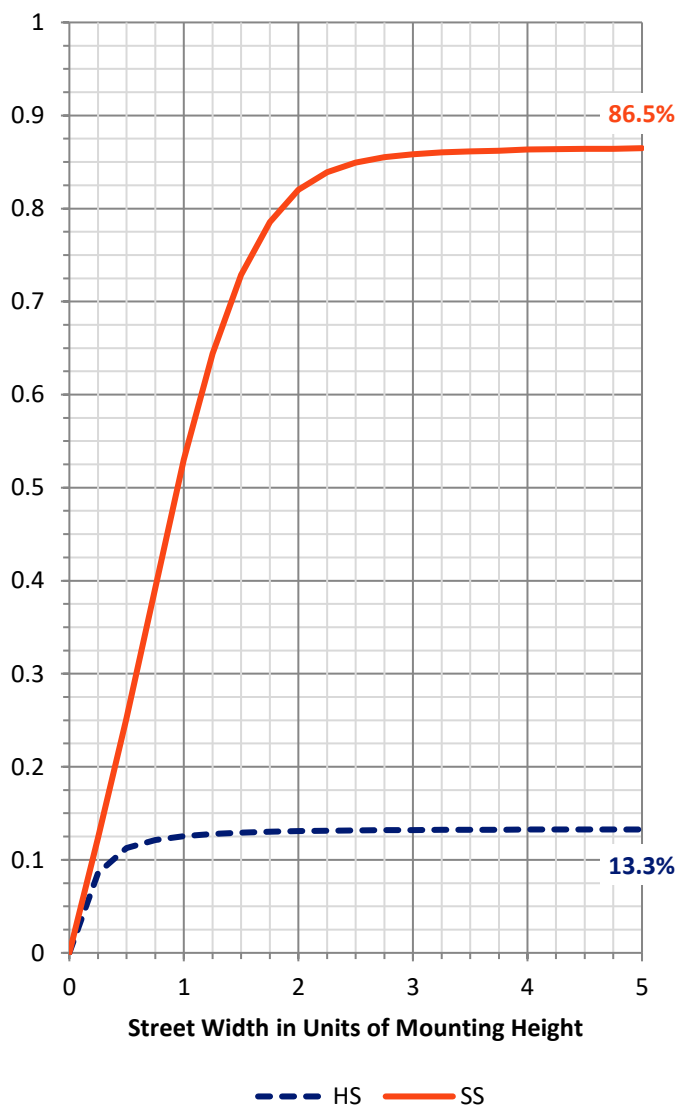
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3345.8   | 0.0    | 3345.8  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 21673.2  | 0.0    | 21673.2 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 25019.0  | 0.0    | 25019.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 268.5   | 1.1       |
| 10°-20°   | 728.2   | 2.9       |
| 20°-30°   | 1379.8  | 5.5       |
| 30°-40°   | 2792.1  | 11.2      |
| 40°-50°   | 4756.4  | 19.0      |
| 50°-60°   | 6468.4  | 25.9      |
| 60°-70°   | 6074.1  | 24.3      |
| 70°-80°   | 2433.6  | 9.7       |
| 80°-90°   | 117.9   | 0.5       |
| 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°    | 25019.0 | 100.0     |
| 0°-180°   | 25019.0 | 100.0     |

**Coefficient of Utilization**



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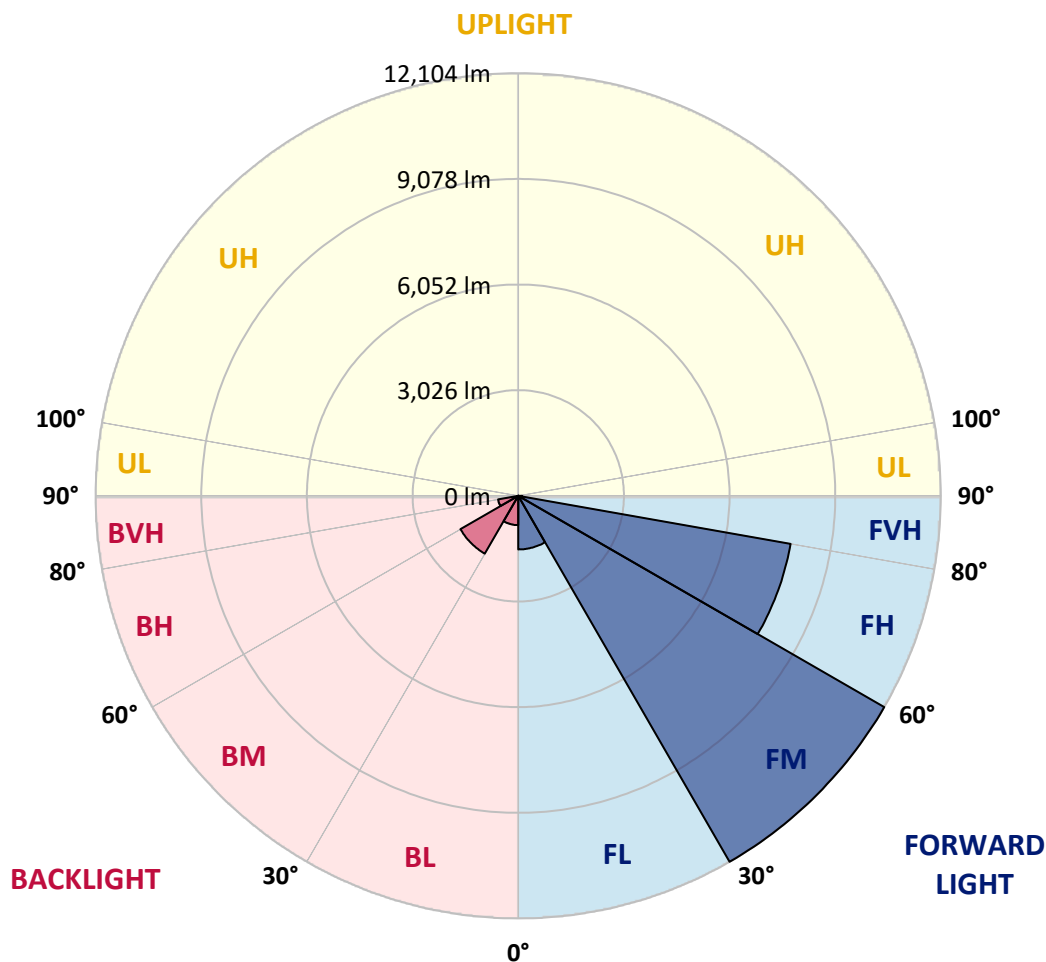
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1536.5  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 12104.2 | 48.4      |                         |      |          |
| FH   | (60°-80°)   | 7920.4  | 31.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 112.1   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 840.0   | 3.4       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1912.8  | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 587.2   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 5.8     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2910.0  | 2910.0  | 2910.0  | 2910.0  | 2910.0  | 2910.0  | 2910.0  | 2910.0  | 2910.0  | 2910.0  |
| 2.5°  | 2899.9  | 2920.0  | 2915.0  | 2910.0  | 2908.3  | 2911.6  | 2913.3  | 2911.6  | 2911.6  | 2911.6  |
| 5°    | 2844.6  | 2861.3  | 2861.3  | 2873.1  | 2889.8  | 2910.0  | 2925.1  | 2928.4  | 2931.8  | 2936.8  |
| 7.5°  | 2738.9  | 2752.3  | 2762.4  | 2801.0  | 2842.9  | 2896.6  | 2941.8  | 2965.3  | 2968.7  | 2987.1  |
| 10°   | 2666.8  | 2683.5  | 2700.3  | 2740.6  | 2801.0  | 2881.5  | 2958.6  | 3015.6  | 3024.0  | 3067.6  |
| 12.5° | 2663.4  | 2680.2  | 2702.0  | 2745.6  | 2816.0  | 2901.6  | 2995.5  | 3077.7  | 3092.8  | 3156.5  |
| 15°   | 2698.6  | 2718.8  | 2738.9  | 2792.6  | 2868.0  | 2972.0  | 3072.7  | 3175.0  | 3190.1  | 3280.6  |
| 17.5° | 2770.8  | 2797.6  | 2812.7  | 2866.4  | 2946.9  | 3062.6  | 3195.1  | 3312.5  | 3325.9  | 3431.6  |
| 20°   | 2913.3  | 2945.2  | 2950.2  | 2993.8  | 3072.7  | 3196.8  | 3354.4  | 3500.3  | 3517.1  | 3637.9  |
| 22.5° | 3208.5  | 3253.8  | 3213.5  | 3235.3  | 3305.8  | 3429.9  | 3601.0  | 3785.5  | 3809.0  | 3946.5  |
| 25°   | 3728.5  | 3792.2  | 3688.2  | 3651.3  | 3681.5  | 3810.6  | 4025.3  | 4258.5  | 4285.3  | 4396.0  |
| 27.5° | 4749.9  | 4667.7  | 4510.0  | 4355.7  | 4265.2  | 4339.0  | 4580.5  | 4869.0  | 4902.5  | 5009.8  |
| 30°   | 5871.9  | 5799.8  | 5586.8  | 5244.7  | 5030.0  | 5018.2  | 5241.3  | 5563.3  | 5601.9  | 5704.2  |
| 32.5° | 6995.7  | 6926.9  | 6695.4  | 6274.5  | 5902.1  | 5717.6  | 5871.9  | 6229.2  | 6249.3  | 6314.7  |
| 35°   | 8101.0  | 8030.5  | 7799.1  | 7368.0  | 6910.1  | 6490.8  | 6460.6  | 6863.2  | 6869.9  | 6938.6  |
| 37.5° | 9212.9  | 9154.2  | 8907.7  | 8485.0  | 8033.9  | 7455.2  | 7175.1  | 7463.6  | 7472.0  | 7539.1  |
| 40°   | 10006.3 | 10031.4 | 9862.0  | 9535.0  | 9147.5  | 8515.2  | 7976.8  | 8102.6  | 8052.3  | 8164.7  |
| 42.5° | 10687.2 | 10737.5 | 10589.9 | 10425.6 | 10200.8 | 9644.0  | 8969.8  | 8947.9  | 8867.4  | 8927.8  |
| 45°   | 11275.9 | 11317.9 | 11185.4 | 11146.8 | 11141.7 | 10751.0 | 10054.9 | 9924.1  | 9811.7  | 9800.0  |
| 47.5° | 11492.3 | 11572.8 | 11629.8 | 11759.0 | 12010.5 | 11846.2 | 11177.0 | 10974.0 | 10848.2 | 10756.0 |
| 50°   | 11574.5 | 11660.0 | 11854.6 | 12230.3 | 12825.7 | 12896.1 | 12294.0 | 12065.9 | 11911.6 | 11743.9 |
| 52.5° | 11463.8 | 11616.4 | 11878.0 | 12510.4 | 13374.1 | 13738.1 | 13365.7 | 13166.1 | 12990.0 | 12716.7 |
| 55°   | 10811.3 | 10964.0 | 11499.0 | 12507.0 | 13647.5 | 14328.5 | 14378.8 | 14289.9 | 14092.0 | 13660.9 |
| 57.5° | 9436.0  | 9662.4  | 10509.4 | 12081.0 | 13642.5 | 14836.7 | 15371.7 | 15435.4 | 15214.0 | 14596.8 |
| 60°   | 7530.7  | 7837.6  | 8870.8  | 11136.7 | 13221.5 | 15111.7 | 16242.2 | 16560.8 | 16326.0 | 15519.3 |
| 62.5° | 5254.7  | 5610.3  | 6588.1  | 9657.4  | 12258.8 | 14913.8 | 16877.8 | 17466.5 | 17288.7 | 16344.5 |
| 65°   | 3205.2  | 3319.2  | 4107.5  | 7599.5  | 10621.8 | 14085.3 | 17074.1 | 17956.3 | 17897.6 | 16849.3 |
| 67.5° | 2135.1  | 2230.7  | 2457.1  | 5211.1  | 8245.2  | 12429.8 | 16604.4 | 17870.7 | 17887.5 | 16767.1 |
| 70°   | 1286.4  | 1368.6  | 1516.2  | 3030.7  | 5343.6  | 9838.5  | 15150.3 | 16780.5 | 16877.8 | 15668.6 |
| 72.5° | 530.0   | 585.3   | 719.5   | 1373.6  | 2767.4  | 6244.3  | 12064.2 | 14407.3 | 14633.7 | 13174.5 |
| 75°   | 300.2   | 328.7   | 422.7   | 689.3   | 1200.9  | 2910.0  | 7307.6  | 10227.7 | 10561.4 | 9080.4  |
| 77.5° | 199.6   | 213.0   | 273.4   | 446.1   | 675.9   | 992.9   | 3123.0  | 5328.5  | 5965.9  | 4959.5  |
| 80°   | 134.2   | 145.9   | 187.8   | 298.5   | 439.4   | 426.0   | 994.6   | 1974.1  | 2428.6  | 1704.1  |
| 82.5° | 90.6    | 92.2    | 134.2   | 196.2   | 278.4   | 206.3   | 293.5   | 613.9   | 771.5   | 493.1   |
| 85°   | 52.0    | 50.3    | 99.0    | 114.1   | 124.1   | 85.5    | 88.9    | 184.5   | 241.5   | 208.0   |
| 87.5° | 6.7     | 10.1    | 38.6    | 30.2    | 16.8    | 18.4    | 18.4    | 31.9    | 47.0    | 50.3    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2910.0  | 0°    | 2910.0  | 2910.0 | 2910.0 | 2910.0 | 2910.0 | 2910.0 | 2910.0 | 2910.0 | 2910.0 | 2910.0 |
| 2913.3  | 2.5°  | 2913.3  | 2911.6 | 2906.6 | 2901.6 | 2889.8 | 2883.1 | 2886.5 | 2883.1 | 2881.5 | 2883.1 |
| 2935.1  | 5°    | 2935.1  | 2930.1 | 2916.7 | 2899.9 | 2876.4 | 2847.9 | 2829.5 | 2802.6 | 2777.5 | 2762.4 |
| 2993.8  | 7.5°  | 2993.8  | 2988.8 | 2970.3 | 2923.4 | 2847.9 | 2728.8 | 2619.8 | 2524.2 | 2452.1 | 2410.2 |
| 3087.8  | 10°   | 3087.8  | 3079.4 | 3050.9 | 2946.9 | 2749.0 | 2489.0 | 2272.6 | 2093.2 | 1975.8 | 1920.4 |
| 3198.5  | 12.5° | 3198.5  | 3188.4 | 3138.1 | 2925.1 | 2561.1 | 2155.2 | 1856.7 | 1657.1 | 1548.1 | 1499.4 |
| 3325.9  | 15°   | 3329.3  | 3315.9 | 3216.9 | 2821.1 | 2287.7 | 1786.2 | 1512.8 | 1363.6 | 1293.1 | 1249.5 |
| 3488.6  | 17.5° | 3492.0  | 3468.5 | 3275.6 | 2665.1 | 1990.9 | 1504.5 | 1301.5 | 1189.1 | 1127.1 | 1085.2 |
| 3701.6  | 20°   | 3703.3  | 3664.7 | 3322.6 | 2478.9 | 1717.5 | 1326.7 | 1159.0 | 1065.0 | 1018.1 | 981.2  |
| 4003.5  | 22.5° | 3998.5  | 3943.1 | 3379.6 | 2277.7 | 1524.6 | 1204.2 | 1053.3 | 984.5  | 945.9  | 904.0  |
| 4424.5  | 25°   | 4364.1  | 4298.7 | 3450.0 | 2091.5 | 1392.1 | 1098.6 | 976.1  | 919.1  | 873.8  | 825.2  |
| 4976.3  | 27.5° | 4875.7  | 4758.3 | 3533.9 | 1938.9 | 1278.0 | 1008.0 | 905.7  | 842.0  | 790.0  | 749.7  |
| 5601.9  | 30°   | 5445.9  | 5253.0 | 3607.7 | 1846.6 | 1174.1 | 924.1  | 813.4  | 749.7  | 701.1  | 672.6  |
| 6163.8  | 32.5° | 5986.0  | 5724.3 | 3656.3 | 1806.4 | 1080.1 | 828.5  | 712.8  | 644.1  | 607.2  | 598.8  |
| 6713.9  | 35°   | 6495.9  | 6150.4 | 3651.3 | 1767.8 | 996.3  | 732.9  | 613.9  | 543.4  | 514.9  | 519.9  |
| 7306.0  | 37.5° | 7082.9  | 6604.9 | 3616.1 | 1707.4 | 927.5  | 645.7  | 528.3  | 466.3  | 441.1  | 442.8  |
| 8025.5  | 40°   | 7765.5  | 7129.8 | 3594.3 | 1593.4 | 852.0  | 565.2  | 457.9  | 407.6  | 389.1  | 382.4  |
| 8783.6  | 42.5° | 8493.4  | 7638.0 | 3597.6 | 1464.2 | 758.1  | 493.1  | 409.2  | 367.3  | 350.5  | 345.5  |
| 9627.2  | 45°   | 9224.7  | 8122.8 | 3602.7 | 1330.0 | 659.1  | 437.8  | 374.0  | 338.8  | 328.7  | 322.0  |
| 10482.6 | 47.5° | 9912.3  | 8535.4 | 3508.7 | 1185.8 | 561.9  | 395.8  | 345.5  | 322.0  | 313.6  | 305.3  |
| 11341.3 | 50°   | 10553.0 | 8810.4 | 3282.3 | 1018.1 | 484.7  | 362.3  | 323.7  | 306.9  | 298.5  | 290.2  |
| 12119.6 | 52.5° | 11051.2 | 8854.0 | 2908.3 | 845.3  | 431.0  | 337.1  | 310.3  | 295.2  | 285.1  | 276.7  |
| 12748.5 | 55°   | 11272.6 | 8580.6 | 2376.6 | 684.3  | 389.1  | 315.3  | 296.9  | 281.8  | 270.0  | 261.6  |
| 13243.3 | 57.5° | 11215.5 | 8005.4 | 1853.3 | 550.1  | 348.9  | 293.5  | 280.1  | 270.0  | 256.6  | 243.2  |
| 13644.2 | 60°   | 10935.4 | 7235.5 | 1397.1 | 457.9  | 312.0  | 270.0  | 261.6  | 253.3  | 234.8  | 214.7  |
| 13798.5 | 62.5° | 10450.7 | 6267.8 | 996.3  | 379.1  | 271.7  | 243.2  | 239.8  | 233.1  | 206.3  | 169.4  |
| 13570.4 | 65°   | 9709.4  | 5092.0 | 670.9  | 315.3  | 233.1  | 213.0  | 214.7  | 202.9  | 167.7  | 125.8  |
| 12735.1 | 67.5° | 8625.9  | 3723.4 | 429.4  | 258.3  | 194.6  | 177.8  | 179.5  | 172.8  | 142.6  | 107.3  |
| 11151.8 | 70°   | 7245.6  | 2465.5 | 280.1  | 196.2  | 156.0  | 137.5  | 147.6  | 149.3  | 120.8  | 87.2   |
| 8558.8  | 72.5° | 5311.7  | 1455.8 | 196.2  | 145.9  | 114.1  | 95.6   | 120.8  | 124.1  | 97.3   | 65.4   |
| 5149.1  | 75°   | 3027.4  | 691.0  | 147.6  | 105.7  | 70.4   | 67.1   | 93.9   | 93.9   | 67.1   | 43.6   |
| 2229.0  | 77.5° | 1271.3  | 288.5  | 104.0  | 68.8   | 40.3   | 38.6   | 63.7   | 58.7   | 33.5   | 20.1   |
| 543.4   | 80°   | 367.3   | 129.1  | 55.3   | 33.5   | 16.8   | 15.1   | 25.2   | 18.4   | 8.4    | 3.4    |
| 206.3   | 82.5° | 144.2   | 57.0   | 21.8   | 13.4   | 6.7    | 6.7    | 3.4    | 0.0    | 0.0    | 0.0    |
| 117.4   | 85°   | 85.5    | 23.5   | 10.1   | 5.0    | 1.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 25.2    | 87.5° | 21.8    | 5.0    | 3.4    | 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°   |
|--------|
| 2910.0 |
| 2889.8 |
| 2765.7 |
| 2411.8 |
| 1915.4 |
| 1494.4 |
| 1251.2 |
| 1081.8 |
| 974.5  |
| 897.3  |
| 820.2  |
| 741.3  |
| 667.5  |
| 603.8  |
| 519.9  |
| 449.5  |
| 380.7  |
| 343.8  |
| 322.0  |
| 305.3  |
| 290.2  |
| 275.1  |
| 260.0  |
| 241.5  |
| 211.3  |
| 166.0  |
| 122.4  |
| 102.3  |
| 83.9   |
| 62.1   |
| 40.3   |
| 20.1   |
| 3.4    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |