

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: P940596

Luminaire Tested: **GLAN-SB3D-727-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940596  
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-SB3D-727-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 900mA 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: 22210 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 218.1  
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

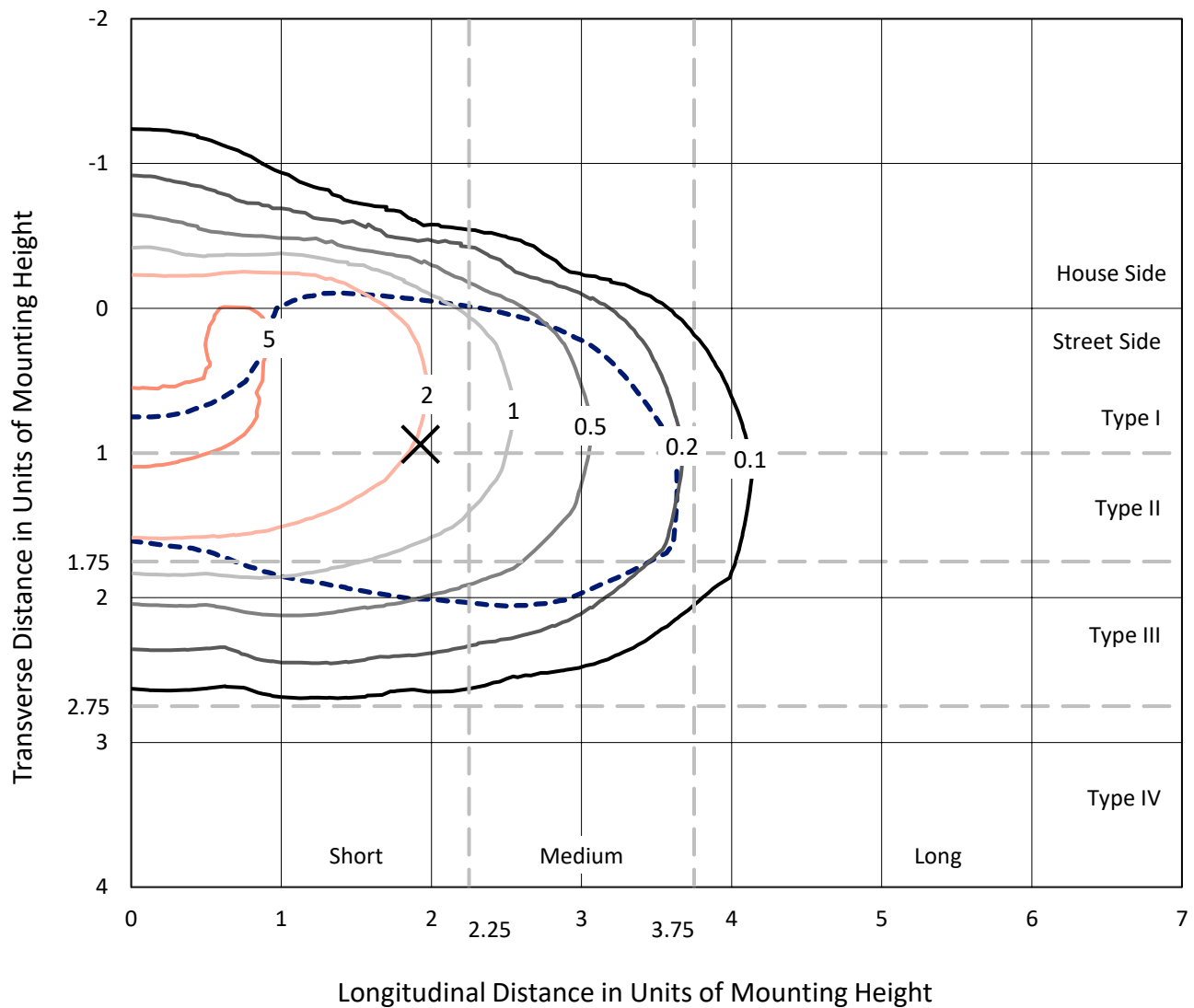


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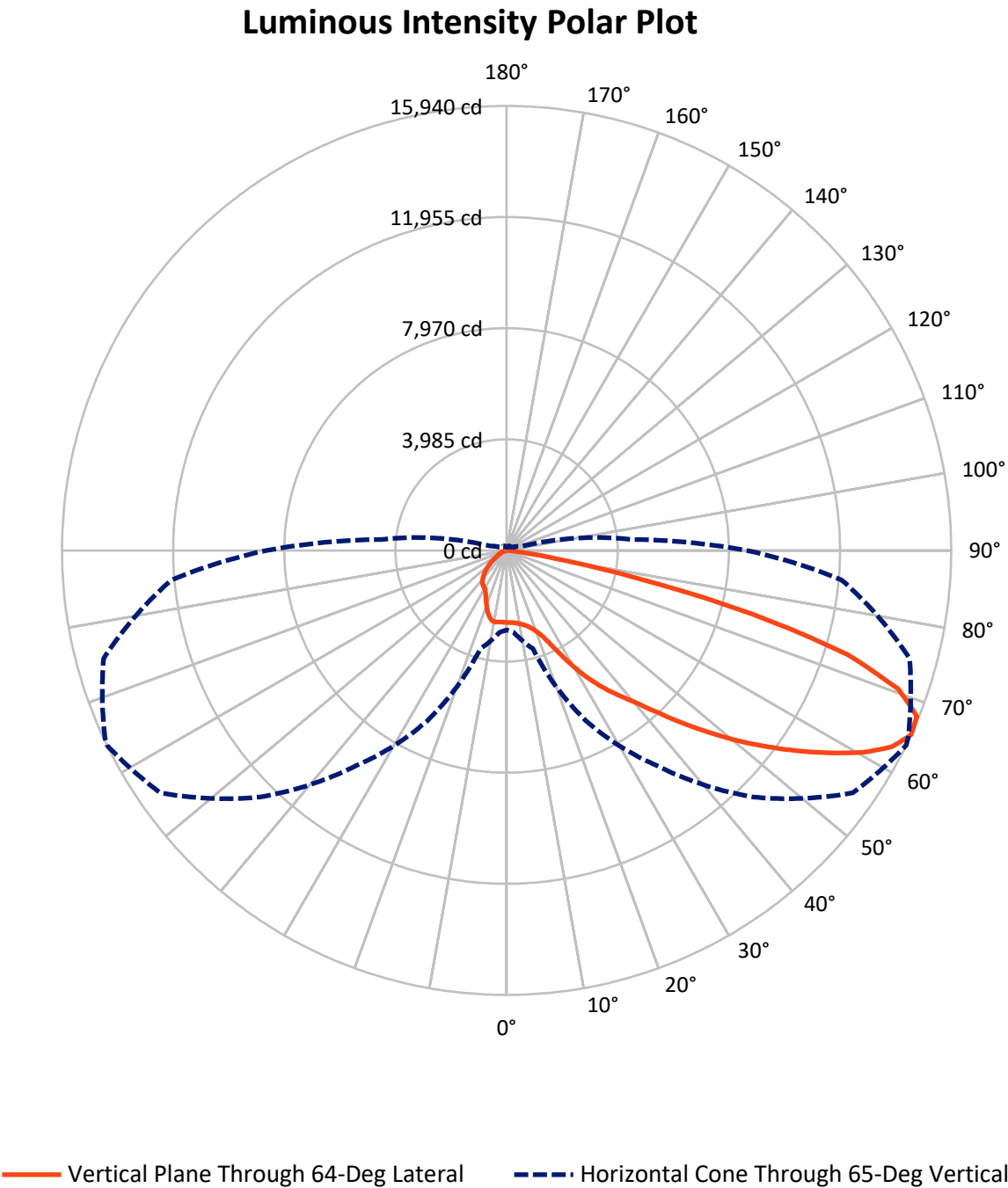
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



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

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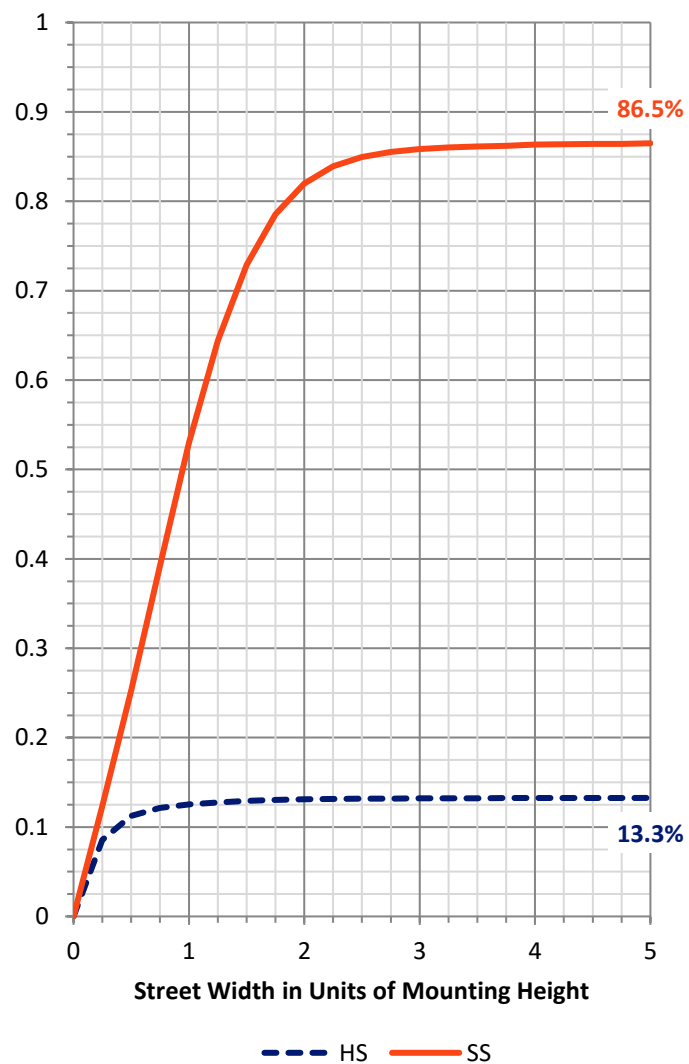
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2970.2   | 0.0    | 2970.2  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 19239.8  | 0.0    | 19239.8 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 22210.0  | 0.0    | 22210.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 238.3   | 1.1       |
| 10°-20°   | 646.4   | 2.9       |
| 20°-30°   | 1224.9  | 5.5       |
| 30°-40°   | 2478.7  | 11.2      |
| 40°-50°   | 4222.4  | 19.0      |
| 50°-60°   | 5742.1  | 25.9      |
| 60°-70°   | 5392.2  | 24.3      |
| 70°-80°   | 2160.3  | 9.7       |
| 80°-90°   | 104.7   | 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°    | 22210.0 | 100.0     |
| 0°-180°   | 22210.0 | 100.0     |

**Coefficient of Utilization**



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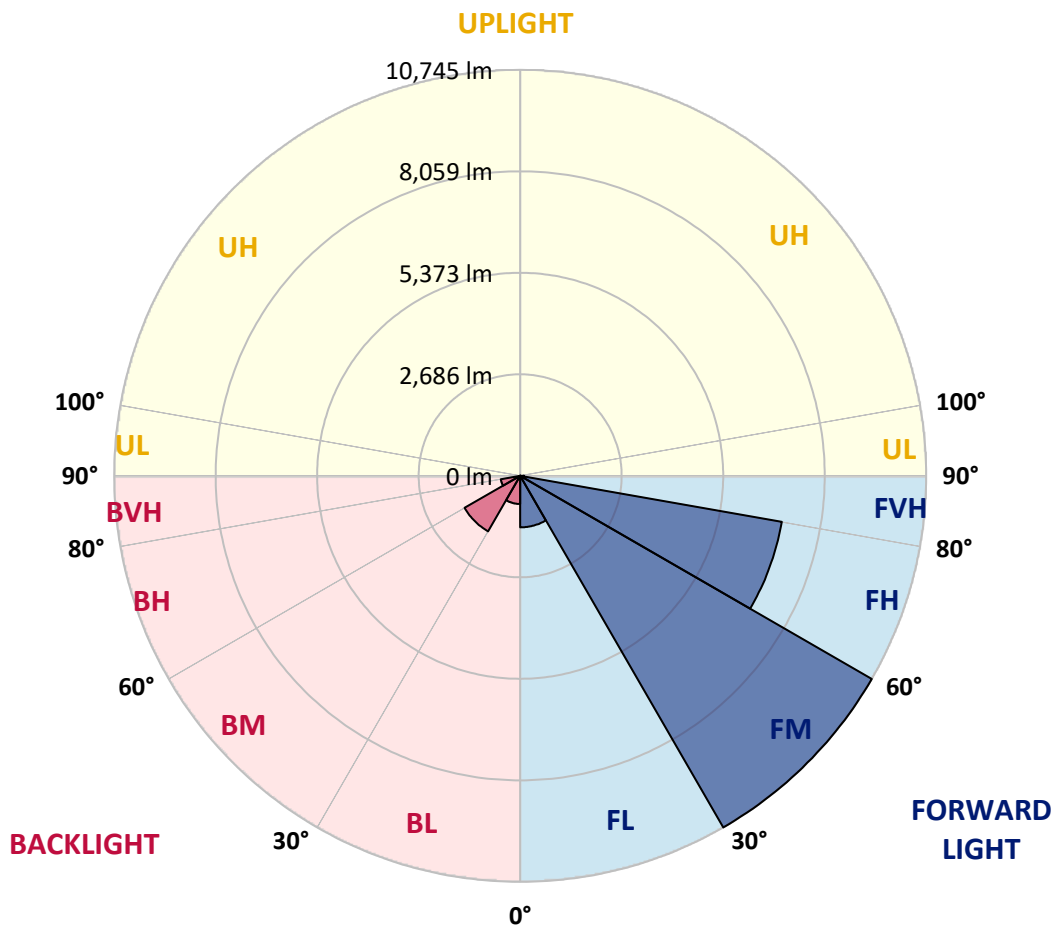
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1363.9  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 10745.2 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 7031.2  | 31.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 99.5    | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 745.7   | 3.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1698.0  | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 521.3   | 2.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.1     | 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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2583.3  | 2583.3  | 2583.3  | 2583.3  | 2583.3  | 2583.3  | 2583.3  | 2583.3  | 2583.3  | 2583.3  |
| 2.5°  | 2574.3  | 2592.2  | 2587.7  | 2583.3  | 2581.8  | 2584.7  | 2586.2  | 2584.7  | 2584.7  | 2584.7  |
| 5°    | 2525.2  | 2540.1  | 2540.1  | 2550.5  | 2565.4  | 2583.3  | 2596.7  | 2599.6  | 2602.6  | 2607.1  |
| 7.5°  | 2431.4  | 2443.3  | 2452.2  | 2486.5  | 2523.7  | 2571.3  | 2611.5  | 2632.4  | 2635.4  | 2651.7  |
| 10°   | 2367.4  | 2382.3  | 2397.1  | 2432.9  | 2486.5  | 2557.9  | 2626.4  | 2677.1  | 2684.5  | 2723.2  |
| 12.5° | 2364.4  | 2379.3  | 2398.6  | 2437.3  | 2499.9  | 2575.8  | 2659.2  | 2732.1  | 2745.5  | 2802.1  |
| 15°   | 2395.7  | 2413.5  | 2431.4  | 2479.0  | 2546.0  | 2638.3  | 2727.7  | 2818.5  | 2831.9  | 2912.3  |
| 17.5° | 2459.7  | 2483.5  | 2496.9  | 2544.5  | 2616.0  | 2718.7  | 2836.4  | 2940.6  | 2952.5  | 3046.3  |
| 20°   | 2586.2  | 2614.5  | 2619.0  | 2657.7  | 2727.7  | 2837.9  | 2977.8  | 3107.3  | 3122.2  | 3229.4  |
| 22.5° | 2848.3  | 2888.5  | 2852.7  | 2872.1  | 2934.6  | 3044.8  | 3196.7  | 3360.5  | 3381.3  | 3503.4  |
| 25°   | 3309.8  | 3366.4  | 3274.1  | 3241.4  | 3268.2  | 3382.8  | 3573.4  | 3780.3  | 3804.2  | 3902.4  |
| 27.5° | 4216.6  | 4143.6  | 4003.7  | 3866.7  | 3786.3  | 3851.8  | 4066.2  | 4322.3  | 4352.1  | 4447.4  |
| 30°   | 5212.7  | 5148.6  | 4959.5  | 4655.8  | 4465.2  | 4454.8  | 4652.8  | 4938.7  | 4972.9  | 5063.8  |
| 32.5° | 6210.2  | 6149.2  | 5943.7  | 5570.0  | 5239.5  | 5075.7  | 5212.7  | 5529.8  | 5547.7  | 5605.7  |
| 35°   | 7191.4  | 7128.9  | 6923.4  | 6540.8  | 6134.3  | 5762.1  | 5735.3  | 6092.6  | 6098.6  | 6159.6  |
| 37.5° | 8178.6  | 8126.5  | 7907.6  | 7532.4  | 7131.9  | 6618.2  | 6369.5  | 6625.6  | 6633.1  | 6692.6  |
| 40°   | 8882.8  | 8905.2  | 8754.8  | 8464.4  | 8120.5  | 7559.2  | 7081.2  | 7192.9  | 7148.2  | 7248.0  |
| 42.5° | 9487.3  | 9532.0  | 9401.0  | 9255.0  | 9055.5  | 8561.2  | 7962.7  | 7943.3  | 7871.9  | 7925.5  |
| 45°   | 10009.9 | 10047.1 | 9929.5  | 9895.3  | 9890.8  | 9543.9  | 8926.0  | 8809.9  | 8710.1  | 8699.7  |
| 47.5° | 10202.0 | 10273.5 | 10324.1 | 10438.7 | 10662.1 | 10516.2 | 9922.1  | 9741.9  | 9630.3  | 9548.4  |
| 50°   | 10274.9 | 10350.9 | 10523.6 | 10857.1 | 11385.7 | 11448.2 | 10913.7 | 10711.2 | 10574.2 | 10425.3 |
| 52.5° | 10176.7 | 10312.2 | 10544.4 | 11105.8 | 11872.5 | 12195.6 | 11865.1 | 11687.9 | 11531.6 | 11288.9 |
| 55°   | 9597.5  | 9733.0  | 10207.9 | 11102.8 | 12115.2 | 12719.7 | 12764.4 | 12685.5 | 12509.8 | 12127.1 |
| 57.5° | 8376.6  | 8577.6  | 9329.5  | 10724.6 | 12110.8 | 13170.9 | 13645.8 | 13702.4 | 13505.9 | 12958.0 |
| 60°   | 6685.2  | 6957.7  | 7874.8  | 9886.3  | 11737.1 | 13415.1 | 14418.6 | 14701.5 | 14493.0 | 13776.9 |
| 62.5° | 4664.7  | 4980.4  | 5848.4  | 8573.1  | 10882.4 | 13239.4 | 14982.9 | 15505.5 | 15347.7 | 14509.4 |
| 65°   | 2845.3  | 2946.5  | 3646.3  | 6746.2  | 9429.2  | 12503.8 | 15157.1 | 15940.2 | 15888.1 | 14957.6 |
| 67.5° | 1895.4  | 1980.2  | 2181.2  | 4626.0  | 7319.5  | 11034.3 | 14740.2 | 15864.3 | 15879.2 | 14884.6 |
| 70°   | 1142.0  | 1214.9  | 1346.0  | 2690.5  | 4743.7  | 8733.9  | 13449.3 | 14896.5 | 14982.9 | 13909.4 |
| 72.5° | 470.5   | 519.6   | 638.7   | 1219.4  | 2456.7  | 5543.2  | 10709.7 | 12789.7 | 12990.7 | 11695.4 |
| 75°   | 266.5   | 291.8   | 375.2   | 611.9   | 1066.1  | 2583.3  | 6487.2  | 9079.4  | 9375.6  | 8060.9  |
| 77.5° | 177.2   | 189.1   | 242.7   | 396.0   | 600.0   | 881.4   | 2772.3  | 4730.3  | 5296.0  | 4402.7  |
| 80°   | 119.1   | 129.5   | 166.8   | 265.0   | 390.1   | 378.2   | 882.9   | 1752.4  | 2155.9  | 1512.7  |
| 82.5° | 80.4    | 81.9    | 119.1   | 174.2   | 247.2   | 183.1   | 260.6   | 544.9   | 684.9   | 437.7   |
| 85°   | 46.2    | 44.7    | 87.8    | 101.2   | 110.2   | 75.9    | 78.9    | 163.8   | 214.4   | 184.6   |
| 87.5° | 6.0     | 8.9     | 34.2    | 26.8    | 14.9    | 16.4    | 16.4    | 28.3    | 41.7    | 44.7    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2583.3  | 0°    | 2583.3  | 2583.3 | 2583.3 | 2583.3 | 2583.3 | 2583.3 | 2583.3 | 2583.3 | 2583.3 | 2583.3 |
| 2586.2  | 2.5°  | 2586.2  | 2584.7 | 2580.3 | 2575.8 | 2565.4 | 2559.4 | 2562.4 | 2559.4 | 2557.9 | 2559.4 |
| 2605.6  | 5°    | 2605.6  | 2601.1 | 2589.2 | 2574.3 | 2553.5 | 2528.2 | 2511.8 | 2488.0 | 2465.6 | 2452.2 |
| 2657.7  | 7.5°  | 2657.7  | 2653.2 | 2636.9 | 2595.2 | 2528.2 | 2422.5 | 2325.7 | 2240.8 | 2176.8 | 2139.6 |
| 2741.1  | 10°   | 2741.1  | 2733.6 | 2708.3 | 2616.0 | 2440.3 | 2209.5 | 2017.5 | 1858.2 | 1753.9 | 1704.8 |
| 2839.3  | 12.5° | 2839.3  | 2830.4 | 2785.7 | 2596.7 | 2273.6 | 1913.2 | 1648.2 | 1471.0 | 1374.3 | 1331.1 |
| 2952.5  | 15°   | 2955.5  | 2943.6 | 2855.7 | 2504.3 | 2030.9 | 1585.7 | 1343.0 | 1210.5 | 1147.9 | 1109.2 |
| 3096.9  | 17.5° | 3099.9  | 3079.1 | 2907.8 | 2365.9 | 1767.3 | 1335.5 | 1155.4 | 1055.6 | 1000.5 | 963.3  |
| 3286.0  | 20°   | 3287.5  | 3253.3 | 2949.5 | 2200.6 | 1524.6 | 1177.7 | 1028.8 | 945.5  | 903.8  | 871.0  |
| 3554.0  | 22.5° | 3549.6  | 3500.4 | 3000.1 | 2021.9 | 1353.4 | 1069.0 | 935.0  | 874.0  | 839.7  | 802.5  |
| 3927.7  | 25°   | 3874.1  | 3816.1 | 3062.7 | 1856.7 | 1235.8 | 975.2  | 866.5  | 815.9  | 775.7  | 732.5  |
| 4417.6  | 27.5° | 4328.3  | 4224.0 | 3137.1 | 1721.2 | 1134.5 | 894.8  | 804.0  | 747.4  | 701.3  | 665.5  |
| 4972.9  | 30°   | 4834.5  | 4663.3 | 3202.6 | 1639.3 | 1042.2 | 820.4  | 722.1  | 665.5  | 622.4  | 597.1  |
| 5471.7  | 32.5° | 5313.9  | 5081.6 | 3245.8 | 1603.6 | 958.9  | 735.5  | 632.8  | 571.7  | 539.0  | 531.5  |
| 5960.1  | 35°   | 5766.5  | 5459.8 | 3241.4 | 1569.3 | 884.4  | 650.7  | 544.9  | 482.4  | 457.1  | 461.6  |
| 6485.7  | 37.5° | 6287.7  | 5863.3 | 3210.1 | 1515.7 | 823.4  | 573.2  | 469.0  | 413.9  | 391.6  | 393.1  |
| 7124.4  | 40°   | 6893.6  | 6329.3 | 3190.7 | 1414.5 | 756.4  | 501.8  | 406.5  | 361.8  | 345.4  | 339.5  |
| 7797.4  | 42.5° | 7539.8  | 6780.5 | 3193.7 | 1299.8 | 673.0  | 437.7  | 363.3  | 326.1  | 311.2  | 306.7  |
| 8546.3  | 45°   | 8189.0  | 7210.8 | 3198.2 | 1180.7 | 585.1  | 388.6  | 332.0  | 300.8  | 291.8  | 285.9  |
| 9305.7  | 47.5° | 8799.4  | 7577.0 | 3114.8 | 1052.7 | 498.8  | 351.4  | 306.7  | 285.9  | 278.4  | 271.0  |
| 10068.0 | 50°   | 9368.2  | 7821.2 | 2913.8 | 903.8  | 430.3  | 321.6  | 287.4  | 272.5  | 265.0  | 257.6  |
| 10758.8 | 52.5° | 9810.4  | 7859.9 | 2581.8 | 750.4  | 382.6  | 299.3  | 275.4  | 262.0  | 253.1  | 245.7  |
| 11317.2 | 55°   | 10006.9 | 7617.2 | 2109.8 | 607.5  | 345.4  | 279.9  | 263.5  | 250.1  | 239.7  | 232.3  |
| 11756.4 | 57.5° | 9956.3  | 7106.6 | 1645.2 | 488.4  | 309.7  | 260.6  | 248.6  | 239.7  | 227.8  | 215.9  |
| 12112.3 | 60°   | 9707.7  | 6423.1 | 1240.3 | 406.5  | 276.9  | 239.7  | 232.3  | 224.8  | 208.4  | 190.6  |
| 12249.2 | 62.5° | 9277.4  | 5564.0 | 884.4  | 336.5  | 241.2  | 215.9  | 212.9  | 207.0  | 183.1  | 150.4  |
| 12046.7 | 65°   | 8619.3  | 4520.3 | 595.6  | 279.9  | 207.0  | 189.1  | 190.6  | 180.2  | 148.9  | 111.7  |
| 11305.3 | 67.5° | 7657.4  | 3305.4 | 381.2  | 229.3  | 172.7  | 157.8  | 159.3  | 153.4  | 126.6  | 95.3   |
| 9899.7  | 70°   | 6432.1  | 2188.7 | 248.6  | 174.2  | 138.5  | 122.1  | 131.0  | 132.5  | 107.2  | 77.4   |
| 7597.9  | 72.5° | 4715.4  | 1292.4 | 174.2  | 129.5  | 101.2  | 84.9   | 107.2  | 110.2  | 86.4   | 58.1   |
| 4570.9  | 75°   | 2687.5  | 613.4  | 131.0  | 93.8   | 62.5   | 59.6   | 83.4   | 83.4   | 59.6   | 38.7   |
| 1978.8  | 77.5° | 1128.6  | 256.1  | 92.3   | 61.0   | 35.7   | 34.2   | 56.6   | 52.1   | 29.8   | 17.9   |
| 482.4   | 80°   | 326.1   | 114.6  | 49.1   | 29.8   | 14.9   | 13.4   | 22.3   | 16.4   | 7.4    | 3.0    |
| 183.1   | 82.5° | 128.0   | 50.6   | 19.4   | 11.9   | 6.0    | 6.0    | 3.0    | 0.0    | 0.0    | 0.0    |
| 104.2   | 85°   | 75.9    | 20.8   | 8.9    | 4.5    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 22.3    | 87.5° | 19.4    | 4.5    | 3.0    | 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°   |
|--------|
| 2583.3 |
| 2565.4 |
| 2455.2 |
| 2141.0 |
| 1700.3 |
| 1326.6 |
| 1110.7 |
| 960.3  |
| 865.1  |
| 796.6  |
| 728.1  |
| 658.1  |
| 592.6  |
| 536.0  |
| 461.6  |
| 399.0  |
| 338.0  |
| 305.2  |
| 285.9  |
| 271.0  |
| 257.6  |
| 244.2  |
| 230.8  |
| 214.4  |
| 187.6  |
| 147.4  |
| 108.7  |
| 90.8   |
| 74.4   |
| 55.1   |
| 35.7   |
| 17.9   |
| 3.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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