

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: P952027

Luminaire Tested: **GLAN-SB6A-730-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952027  
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-730-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 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: 20789 lumens  
Efficiency: N/A  
Efficacy: 121.6 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



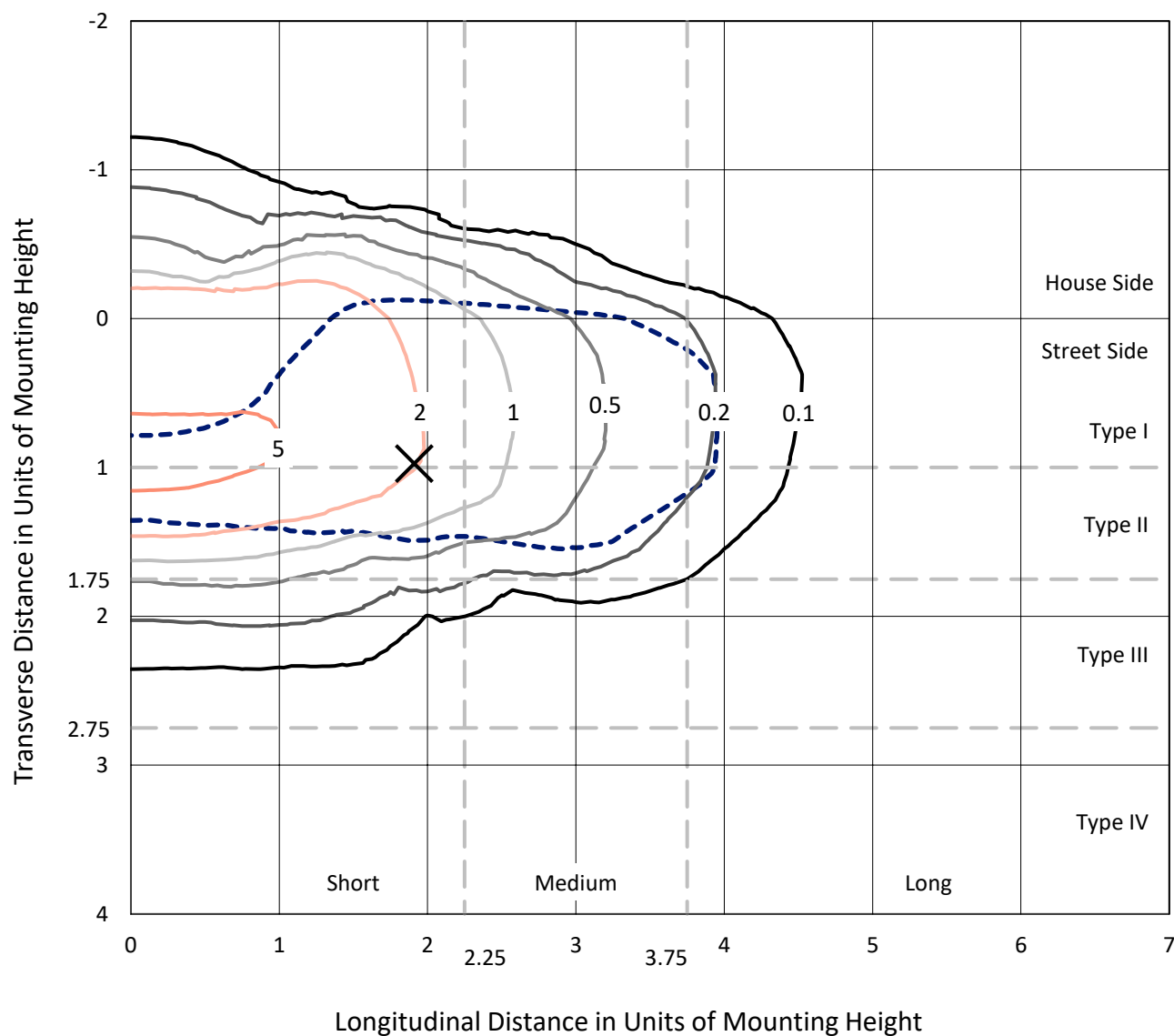
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

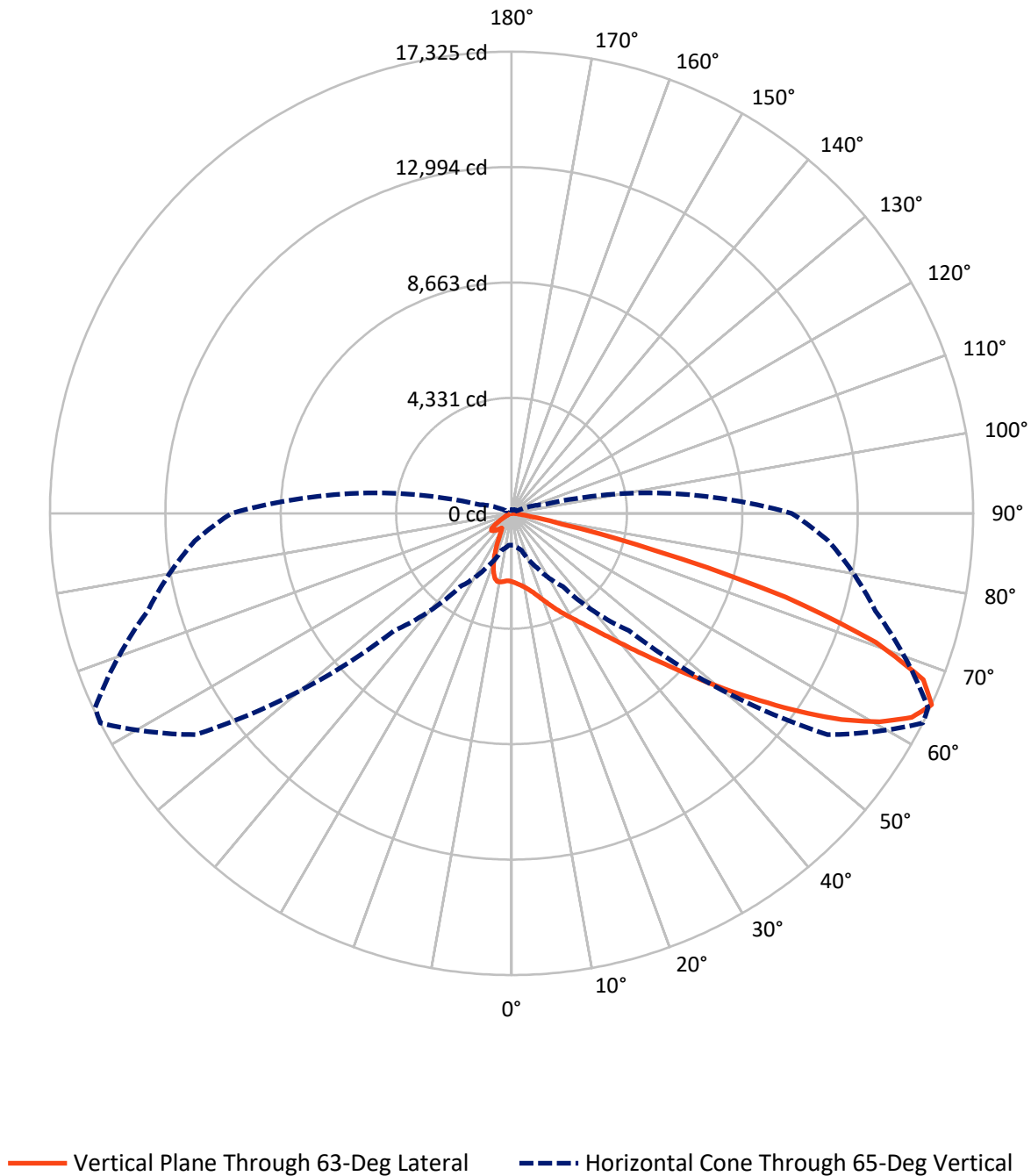


Based on 25 foot mounting height. Maximum calculated value = 7 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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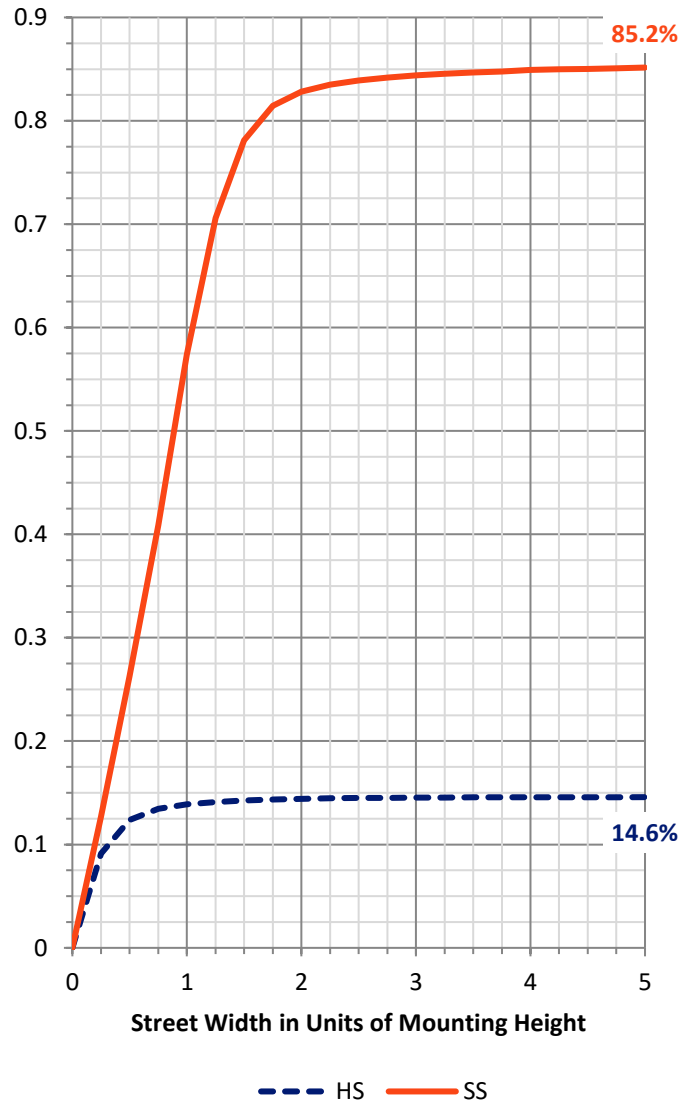
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3055.8   | 0.0    | 3055.8  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 17733.2  | 0.0    | 17733.2 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 20789.0  | 0.0    | 20789.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 241.7   | 1.2       |
| 10°-20°   | 670.7   | 3.2       |
| 20°-30°   | 1167.9  | 5.6       |
| 30°-40°   | 2105.1  | 10.1      |
| 40°-50°   | 4175.1  | 20.1      |
| 50°-60°   | 5687.1  | 27.4      |
| 60°-70°   | 4539.4  | 21.8      |
| 70°-80°   | 2054.2  | 9.9       |
| 80°-90°   | 147.7   | 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°    | 20789.0 | 100.0     |
| 0°-180°   | 20789.0 | 100.0     |

**Coefficient of Utilization**



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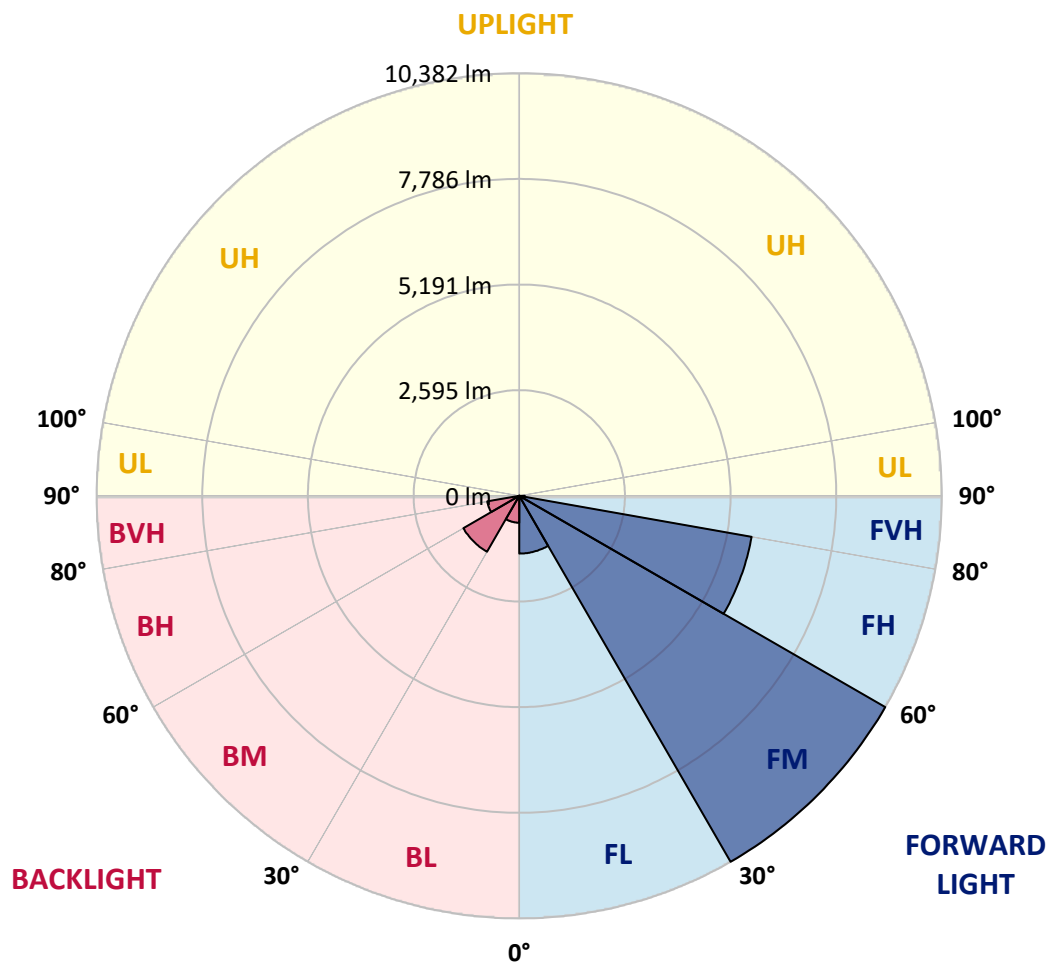
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1419.1  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 10381.5 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 5795.9  | 27.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 136.7   | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 661.3   | 3.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1585.8  | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 797.8   | 3.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 11.0    | 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°    | 2565.8  | 2565.8  | 2565.8  | 2565.8  | 2565.8  | 2565.8  | 2565.8  | 2565.8  | 2565.8  | 2565.8  |
| 2.5°  | 2625.8  | 2618.7  | 2628.7  | 2624.4  | 2621.5  | 2615.8  | 2613.0  | 2610.1  | 2604.4  | 2600.1  |
| 5°    | 2633.0  | 2628.7  | 2638.7  | 2647.3  | 2655.9  | 2664.4  | 2668.7  | 2674.4  | 2668.7  | 2657.3  |
| 7.5°  | 2572.9  | 2570.0  | 2591.5  | 2617.2  | 2655.9  | 2688.8  | 2724.5  | 2744.5  | 2746.0  | 2741.7  |
| 10°   | 2568.6  | 2561.5  | 2582.9  | 2614.4  | 2664.4  | 2723.1  | 2786.0  | 2828.9  | 2834.6  | 2853.2  |
| 12.5° | 2635.8  | 2628.7  | 2658.7  | 2693.0  | 2744.5  | 2806.0  | 2883.3  | 2943.3  | 2951.9  | 2977.6  |
| 15°   | 2748.8  | 2738.8  | 2773.1  | 2817.5  | 2883.3  | 2953.3  | 3034.9  | 3089.2  | 3096.4  | 3127.8  |
| 17.5° | 2880.4  | 2870.4  | 2910.4  | 2957.6  | 3029.1  | 3125.0  | 3219.4  | 3279.4  | 3288.0  | 3308.0  |
| 20°   | 3049.2  | 3036.3  | 3067.8  | 3110.7  | 3186.5  | 3300.9  | 3413.9  | 3499.7  | 3498.2  | 3498.2  |
| 22.5° | 3245.1  | 3225.1  | 3252.2  | 3286.6  | 3358.1  | 3496.8  | 3647.0  | 3748.5  | 3748.5  | 3708.5  |
| 25°   | 3455.3  | 3435.3  | 3465.3  | 3496.8  | 3559.7  | 3717.1  | 3893.0  | 4018.8  | 4024.5  | 3955.9  |
| 27.5° | 3718.5  | 3692.7  | 3715.6  | 3752.8  | 3790.0  | 3950.2  | 4159.0  | 4304.9  | 4307.7  | 4201.9  |
| 30°   | 4224.8  | 4151.8  | 4080.3  | 4040.3  | 4057.4  | 4216.2  | 4439.3  | 4600.9  | 4615.2  | 4469.3  |
| 32.5° | 5151.5  | 5137.2  | 4885.5  | 4556.6  | 4385.0  | 4502.2  | 4752.5  | 4947.0  | 4955.6  | 4768.2  |
| 35°   | 6591.7  | 6574.6  | 6169.8  | 5543.4  | 4984.2  | 4885.5  | 5132.9  | 5363.2  | 5357.5  | 5145.8  |
| 37.5° | 8310.8  | 8295.1  | 7761.6  | 6923.5  | 6018.2  | 5464.7  | 5623.5  | 5865.2  | 5901.0  | 5623.5  |
| 40°   | 9779.6  | 9721.0  | 9383.5  | 8575.4  | 7391.2  | 6425.8  | 6321.4  | 6481.6  | 6518.8  | 6189.8  |
| 42.5° | 10892.3 | 10842.2 | 10670.6 | 10165.8 | 9053.1  | 7847.4  | 7143.8  | 7205.3  | 7246.8  | 6852.0  |
| 45°   | 11468.7 | 11457.2 | 11525.9 | 11478.7 | 10746.4 | 9592.3  | 8319.4  | 8063.4  | 8079.1  | 7585.7  |
| 47.5° | 11550.2 | 11544.5 | 11857.7 | 12301.0 | 12202.4 | 11560.2 | 9828.2  | 9133.2  | 9077.4  | 8413.8  |
| 50°   | 11069.6 | 11058.2 | 11658.9 | 12489.8 | 13174.9 | 13213.5 | 11541.6 | 10338.8 | 10215.8 | 9270.5  |
| 52.5° | 9535.1  | 9532.2  | 10519.0 | 11902.0 | 13516.7 | 14660.8 | 13235.0 | 11663.2 | 11457.2 | 10177.2 |
| 55°   | 7336.9  | 7389.8  | 8521.1  | 10155.8 | 12893.1 | 15357.3 | 14755.2 | 13133.4 | 12817.3 | 11089.7 |
| 57.5° | 5197.3  | 5274.5  | 6392.9  | 7848.9  | 10959.5 | 14945.5 | 15783.5 | 14606.5 | 14266.1 | 11999.3 |
| 60°   | 2791.7  | 2860.4  | 3980.2  | 5717.9  | 8153.5  | 13409.4 | 16325.6 | 15885.1 | 15563.3 | 12863.1 |
| 62.5° | 1663.3  | 1686.2  | 2149.6  | 3691.3  | 5514.8  | 10244.4 | 16095.3 | 16859.0 | 16594.5 | 13588.2 |
| 65°   | 1194.2  | 1198.5  | 1431.6  | 2254.0  | 3348.1  | 6224.2  | 14480.6 | 17325.3 | 17243.8 | 14134.5 |
| 67.5° | 1005.4  | 1002.6  | 1099.8  | 1497.4  | 2281.1  | 3117.8  | 11098.3 | 16666.0 | 17012.1 | 14480.6 |
| 70°   | 862.4   | 866.7   | 981.1   | 1097.0  | 1714.8  | 1764.9  | 5517.7  | 14510.7 | 15248.7 | 14572.2 |
| 72.5° | 642.2   | 656.5   | 762.3   | 999.7   | 1294.3  | 1214.2  | 1905.0  | 10759.3 | 12093.7 | 13729.8 |
| 75°   | 453.4   | 460.5   | 536.3   | 840.9   | 965.4   | 883.9   | 972.5   | 5562.0  | 7272.5  | 10526.2 |
| 77.5° | 349.0   | 361.8   | 406.2   | 587.8   | 951.1   | 620.7   | 595.0   | 1925.0  | 2957.6  | 6358.6  |
| 80°   | 188.8   | 211.7   | 293.2   | 424.8   | 667.9   | 439.1   | 294.6   | 766.6   | 1002.6  | 2973.4  |
| 82.5° | 97.3    | 108.7   | 204.5   | 306.1   | 380.4   | 383.3   | 145.9   | 318.9   | 413.3   | 918.2   |
| 85°   | 38.6    | 47.2    | 137.3   | 168.8   | 195.9   | 188.8   | 65.8    | 128.7   | 148.7   | 254.6   |
| 87.5° | 8.6     | 14.3    | 50.1    | 38.6    | 37.2    | 40.0    | 15.7    | 30.0    | 28.6    | 30.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2565.8  | 0°    | 2565.8  | 2565.8 | 2565.8 | 2565.8 | 2565.8 | 2565.8 | 2565.8 | 2565.8 | 2565.8 | 2565.8 |
| 2582.9  | 2.5°  | 2581.5  | 2575.8 | 2560.0 | 2542.9 | 2522.8 | 2511.4 | 2504.3 | 2502.8 | 2492.8 | 2485.7 |
| 2640.1  | 5°    | 2624.4  | 2618.7 | 2588.6 | 2552.9 | 2514.3 | 2484.2 | 2455.6 | 2429.9 | 2392.7 | 2385.6 |
| 2723.1  | 7.5°  | 2710.2  | 2694.5 | 2645.8 | 2597.2 | 2524.3 | 2437.0 | 2331.2 | 2209.6 | 2100.9 | 2068.1 |
| 2833.2  | 10°   | 2816.0  | 2794.6 | 2733.1 | 2647.3 | 2485.7 | 2248.3 | 1992.3 | 1754.8 | 1566.1 | 1513.1 |
| 2963.3  | 12.5° | 2936.2  | 2917.6 | 2836.1 | 2677.3 | 2324.1 | 1893.6 | 1501.7 | 1207.1 | 1024.0 | 978.2  |
| 3102.1  | 15°   | 3079.2  | 3052.0 | 2939.0 | 2631.5 | 2035.2 | 1438.8 | 1031.2 | 856.7  | 790.9  | 782.3  |
| 3260.8  | 17.5° | 3230.8  | 3186.5 | 3030.6 | 2467.1 | 1646.1 | 1022.6 | 796.6  | 746.6  | 718.0  | 709.4  |
| 3421.0  | 20°   | 3369.5  | 3312.3 | 3084.9 | 2218.2 | 1230.0 | 796.6  | 713.7  | 680.8  | 655.0  | 645.0  |
| 3581.2  | 22.5° | 3508.2  | 3426.7 | 3084.9 | 1879.3 | 922.5  | 706.5  | 655.0  | 625.0  | 595.0  | 582.1  |
| 3752.8  | 25°   | 3652.7  | 3544.0 | 3030.6 | 1501.7 | 742.3  | 647.9  | 599.2  | 566.4  | 540.6  | 524.9  |
| 3915.9  | 27.5° | 3792.9  | 3642.7 | 2906.1 | 1144.1 | 660.7  | 596.4  | 547.8  | 516.3  | 492.0  | 480.5  |
| 4093.2  | 30°   | 3925.9  | 3739.9 | 2731.7 | 868.1  | 607.8  | 546.3  | 500.6  | 473.4  | 449.1  | 437.6  |
| 4323.5  | 32.5° | 4106.1  | 3862.9 | 2545.7 | 712.2  | 562.1  | 499.1  | 457.7  | 431.9  | 410.5  | 401.9  |
| 4622.4  | 35°   | 4356.3  | 4044.6 | 2385.6 | 699.4  | 523.4  | 460.5  | 419.0  | 394.7  | 373.3  | 366.1  |
| 5008.5  | 37.5° | 4711.0  | 4337.8 | 2301.2 | 785.2  | 492.0  | 426.2  | 387.6  | 361.8  | 341.8  | 336.1  |
| 5499.1  | 40°   | 5148.7  | 4735.3 | 2346.9 | 871.0  | 470.5  | 396.2  | 359.0  | 333.2  | 316.1  | 308.9  |
| 6062.6  | 42.5° | 5667.8  | 5225.9 | 2600.1 | 936.8  | 456.2  | 370.4  | 331.8  | 303.2  | 291.8  | 288.9  |
| 6701.9  | 45°   | 6264.2  | 5765.1 | 2987.7 | 1006.9 | 433.3  | 346.1  | 304.6  | 283.2  | 274.6  | 273.2  |
| 7396.9  | 47.5° | 6942.1  | 6357.2 | 3436.7 | 1094.1 | 410.5  | 323.2  | 283.2  | 268.9  | 261.7  | 258.9  |
| 8122.0  | 50°   | 7614.3  | 6953.6 | 3898.7 | 1142.7 | 391.9  | 301.8  | 266.0  | 254.6  | 248.9  | 247.4  |
| 8888.6  | 52.5° | 8318.0  | 7567.1 | 4272.0 | 1097.0 | 376.1  | 284.6  | 251.7  | 243.1  | 237.4  | 236.0  |
| 9595.1  | 55°   | 8988.7  | 8063.4 | 4336.3 | 931.1  | 344.7  | 267.4  | 236.0  | 231.7  | 224.5  | 224.5  |
| 10311.6 | 57.5° | 9566.5  | 8312.2 | 3881.5 | 683.6  | 313.2  | 241.7  | 220.2  | 216.0  | 210.2  | 208.8  |
| 10958.1 | 60°   | 10097.1 | 8240.7 | 2996.2 | 460.5  | 278.9  | 216.0  | 200.2  | 197.4  | 191.6  | 184.5  |
| 11520.2 | 62.5° | 10396.0 | 7926.1 | 2049.5 | 300.3  | 244.6  | 188.8  | 177.3  | 175.9  | 163.0  | 148.7  |
| 11936.3 | 65°   | 10509.0 | 7279.7 | 1278.6 | 218.8  | 204.5  | 161.6  | 153.0  | 150.2  | 131.6  | 115.8  |
| 12172.3 | 67.5° | 10410.3 | 6215.6 | 645.0  | 173.1  | 161.6  | 134.4  | 125.9  | 125.9  | 113.0  | 98.7   |
| 12158.0 | 70°   | 10015.6 | 4659.5 | 271.7  | 138.7  | 124.4  | 103.0  | 103.0  | 108.7  | 95.8   | 80.1   |
| 11527.3 | 72.5° | 9158.9  | 3135.0 | 144.4  | 105.8  | 93.0   | 72.9   | 84.4   | 88.7   | 75.8   | 60.1   |
| 9434.9  | 75°   | 7281.1  | 1912.2 | 100.1  | 78.7   | 58.6   | 51.5   | 64.4   | 67.2   | 51.5   | 40.0   |
| 6468.7  | 77.5° | 4979.9  | 1098.4 | 67.2   | 50.1   | 37.2   | 30.0   | 44.3   | 41.5   | 27.2   | 18.6   |
| 2494.2  | 80°   | 2186.8  | 457.7  | 38.6   | 22.9   | 14.3   | 11.4   | 15.7   | 11.4   | 8.6    | 5.7    |
| 341.8   | 82.5° | 256.0   | 107.3  | 14.3   | 8.6    | 5.7    | 2.9    | 1.4    | 0.0    | 0.0    | 0.0    |
| 104.4   | 85°   | 52.9    | 12.9   | 7.2    | 2.9    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 18.6    | 87.5° | 10.0    | 2.9    | 1.4    | 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°   |
|--------|
| 2565.8 |
| 2492.8 |
| 2382.7 |
| 2052.3 |
| 1493.1 |
| 965.4  |
| 773.7  |
| 705.1  |
| 639.3  |
| 574.9  |
| 519.2  |
| 480.5  |
| 439.1  |
| 401.9  |
| 366.1  |
| 334.7  |
| 307.5  |
| 288.9  |
| 271.7  |
| 258.9  |
| 247.4  |
| 236.0  |
| 223.1  |
| 207.4  |
| 183.1  |
| 145.9  |
| 114.4  |
| 97.3   |
| 78.7   |
| 60.1   |
| 38.6   |
| 20.0   |
| 5.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |