

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: P847493

Luminaire Tested: **GLAN-SB3C-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19808 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

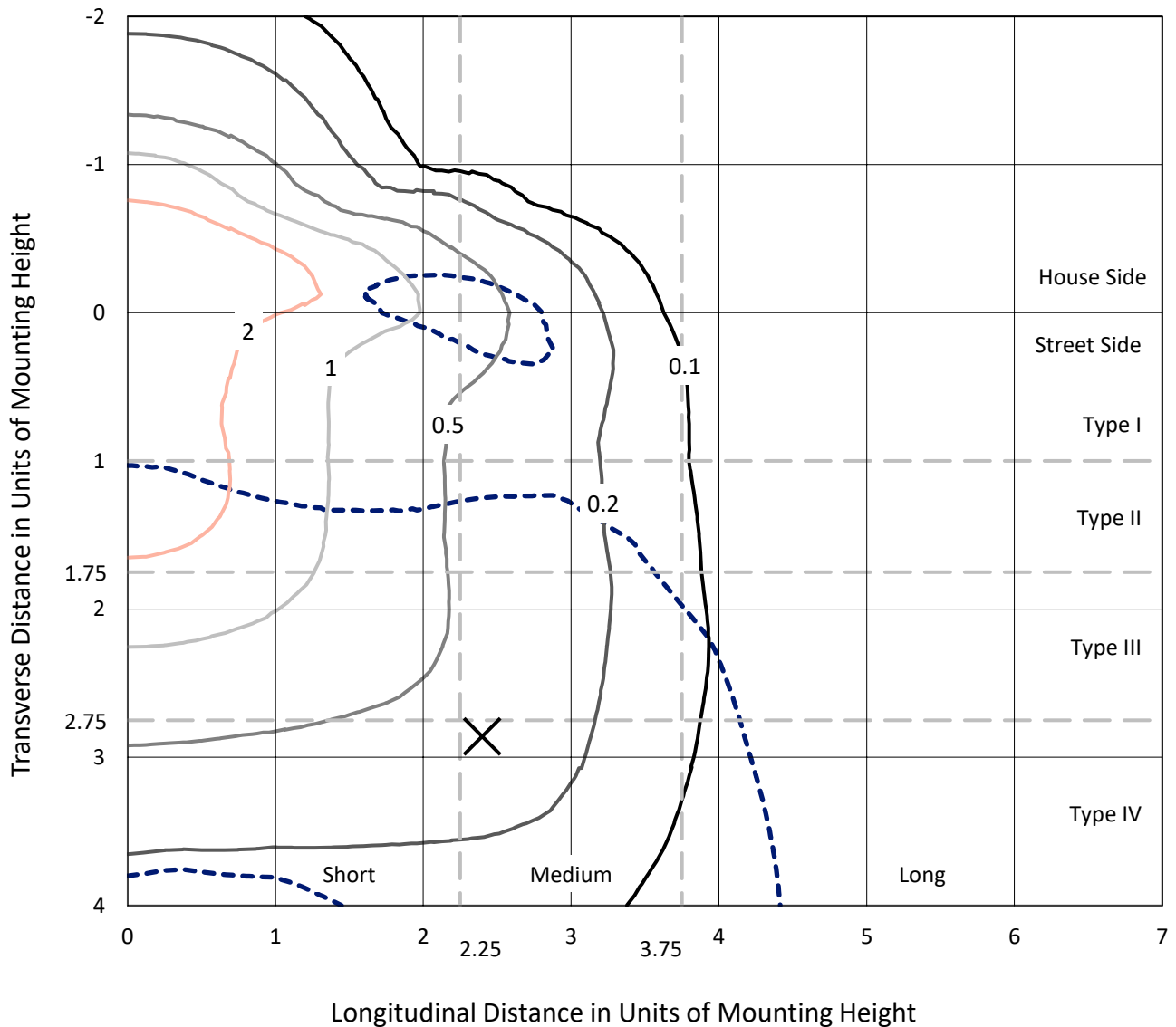
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

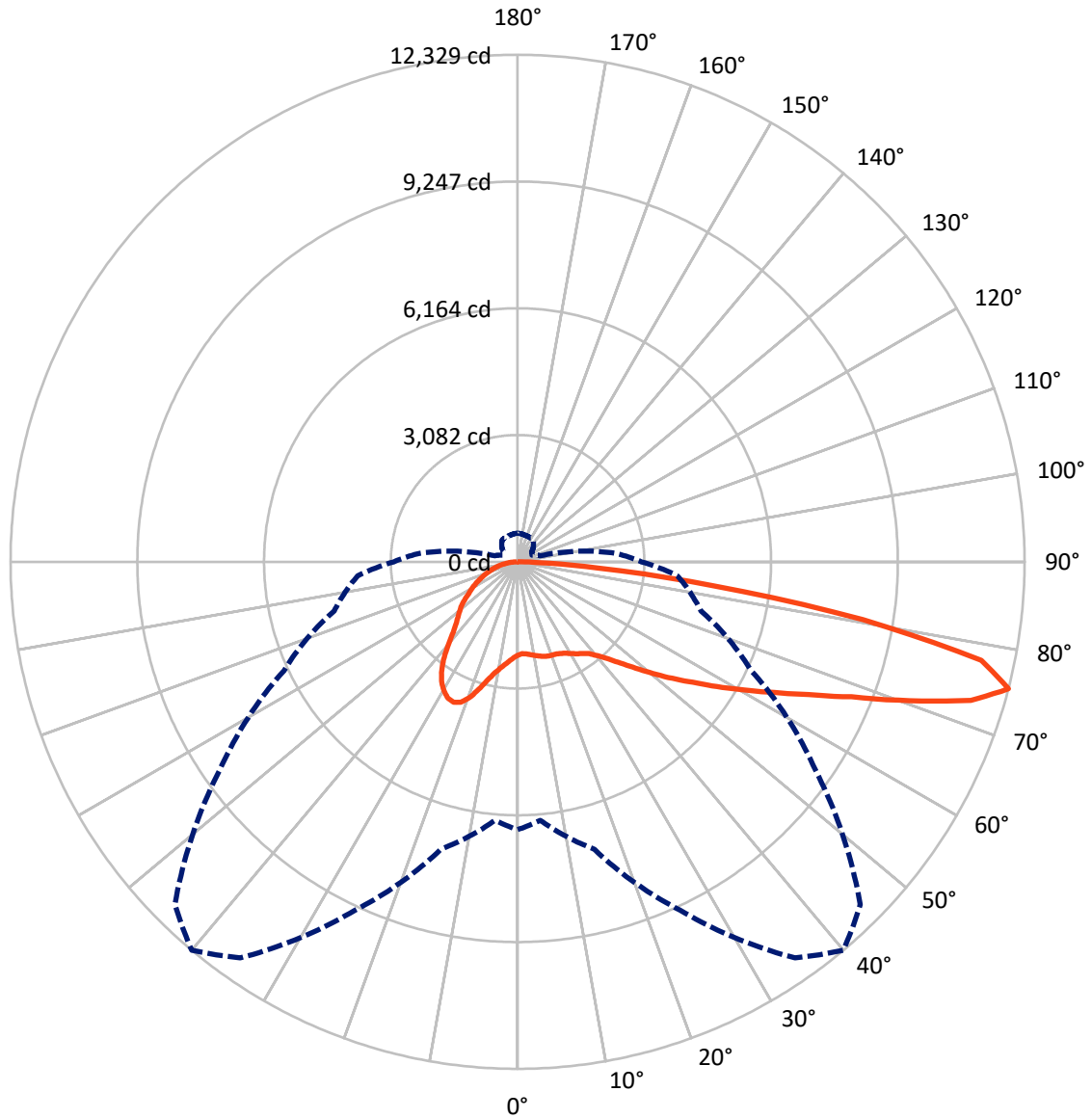
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6137.2   | 0.0    | 6137.2  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 13670.8  | 0.0    | 13670.8 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 19808.0  | 0.0    | 19808.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 226.1   | 1.1       |
| 10°-20°   | 759.1   | 3.8       |
| 20°-30°   | 1386.1  | 7.0       |
| 30°-40°   | 1965.8  | 9.9       |
| 40°-50°   | 2654.5  | 13.4      |
| 50°-60°   | 3571.0  | 18.0      |
| 60°-70°   | 4532.4  | 22.9      |
| 70°-80°   | 4113.4  | 20.8      |
| 80°-90°   | 599.6   | 3.0       |
| 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°    | 19808.0 | 100.0     |
| 0°-180°   | 19808.0 | 100.0     |

**Coefficient of Utilization**

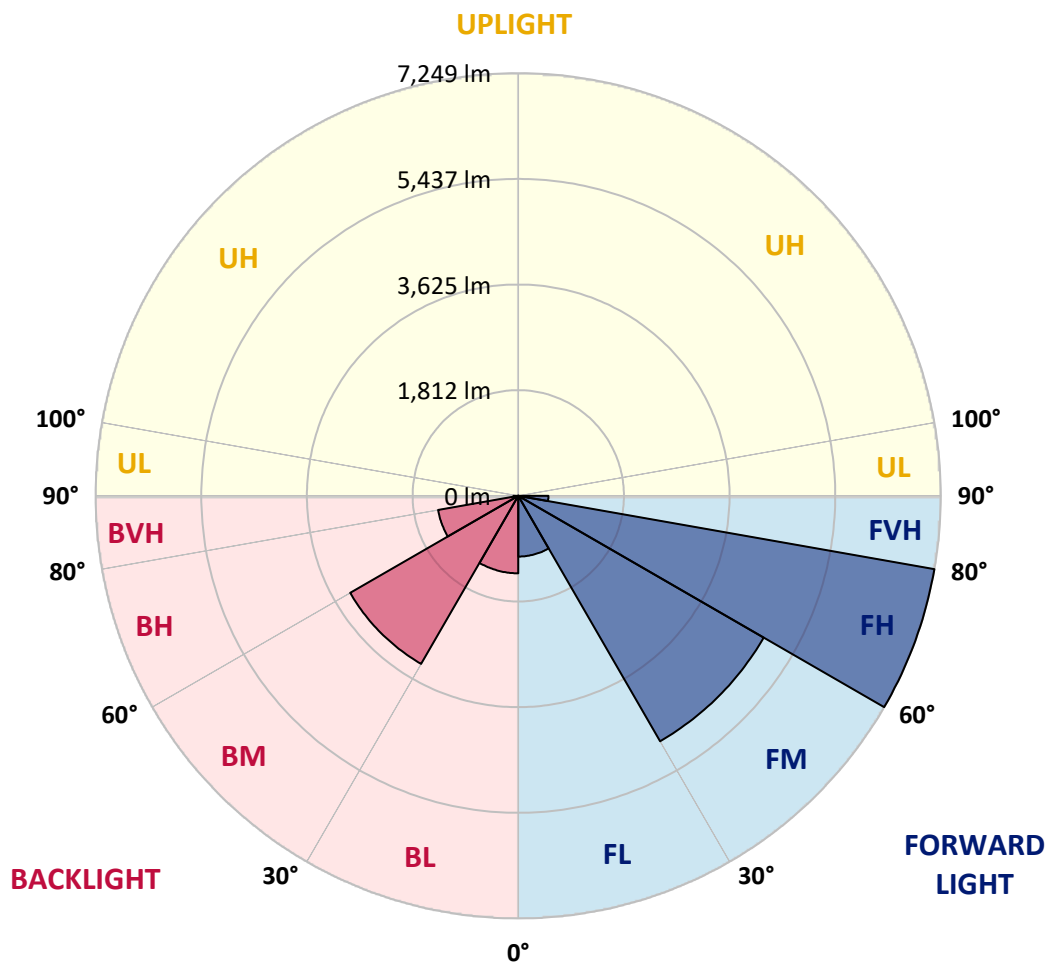


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1041.9 | 5.3       |                         |      |         |
| FM (30°-60°)   | 4862.4 | 24.5      |                         |      |         |
| FH (60°-80°)   | 7249.4 | 36.6      |                         |      | G3/7500 |
| FVH (80°-90°)  | 517.1  | 2.6       |                         |      | G4/750  |
| BL (0°-30°)    | 1329.4 | 6.7       | B3/2500                 |      |         |
| BM (30°-60°)   | 3328.9 | 16.8      | B3/5000                 |      |         |
| BH (60°-80°)   | 1396.4 | 7.0       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 82.6   | 0.4       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G4**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 40°     | 45°     | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2265.1 | 2265.1 | 2265.1 | 2265.1  | 2265.1  | 2265.1  | 2265.1  | 2265.1 | 2265.1 | 2265.1 |
| 2.5°  | 2230.4 | 2243.0 | 2239.9 | 2235.7  | 2235.7  | 2236.7  | 2235.7  | 2243.0 | 2250.4 | 2257.7 |
| 5°    | 2253.5 | 2266.1 | 2259.8 | 2254.6  | 2250.4  | 2249.3  | 2246.2  | 2245.1 | 2249.3 | 2258.8 |
| 7.5°  | 2298.7 | 2311.3 | 2301.8 | 2292.4  | 2284.0  | 2279.8  | 2275.6  | 2269.3 | 2266.1 | 2271.4 |
| 10°   | 2349.1 | 2361.7 | 2350.2 | 2333.4  | 2319.7  | 2314.4  | 2310.2  | 2303.9 | 2299.7 | 2302.9 |
| 12.5° | 2399.5 | 2412.2 | 2396.4 | 2373.3  | 2355.4  | 2352.3  | 2347.0  | 2344.9 | 2343.9 | 2342.8 |
| 15°   | 2446.8 | 2457.3 | 2437.4 | 2410.1  | 2391.1  | 2385.9  | 2380.6  | 2383.8 | 2389.0 | 2395.3 |
| 17.5° | 2483.6 | 2494.1 | 2464.7 | 2429.0  | 2411.1  | 2409.0  | 2405.9  | 2416.4 | 2431.1 | 2446.8 |
| 20°   | 2517.2 | 2527.7 | 2489.9 | 2441.6  | 2420.6  | 2420.6  | 2421.6  | 2443.7 | 2464.7 | 2487.8 |
| 22.5° | 2564.5 | 2572.9 | 2526.7 | 2460.5  | 2430.0  | 2432.1  | 2440.5  | 2462.6 | 2488.8 | 2520.4 |
| 25°   | 2634.9 | 2641.2 | 2584.5 | 2496.2  | 2461.5  | 2467.8  | 2475.2  | 2485.7 | 2510.9 | 2547.7 |
| 27.5° | 2748.3 | 2753.6 | 2679.0 | 2559.2  | 2506.7  | 2517.2  | 2527.7  | 2520.4 | 2531.9 | 2563.4 |
| 30°   | 2908.0 | 2911.2 | 2816.6 | 2658.0  | 2583.4  | 2588.7  | 2590.8  | 2560.3 | 2538.2 | 2563.4 |
| 32.5° | 3097.1 | 3096.1 | 2983.7 | 2777.8  | 2670.6  | 2665.3  | 2647.5  | 2587.6 | 2536.1 | 2558.2 |
| 35°   | 3390.3 | 3378.7 | 3233.7 | 2945.9  | 2769.4  | 2736.8  | 2694.8  | 2618.1 | 2546.6 | 2552.9 |
| 37.5° | 3875.6 | 3839.9 | 3639.2 | 3221.1  | 2916.4  | 2833.4  | 2771.5  | 2667.4 | 2569.7 | 2550.8 |
| 40°   | 4423.0 | 4377.8 | 4157.2 | 3598.3  | 3137.1  | 3003.6  | 2903.8  | 2737.8 | 2607.6 | 2560.3 |
| 42.5° | 5072.2 | 5008.2 | 4770.7 | 4042.7  | 3416.5  | 3223.2  | 3073.0  | 2827.1 | 2663.2 | 2590.8 |
| 45°   | 5869.6 | 5784.5 | 5448.4 | 4543.8  | 3768.5  | 3511.1  | 3310.4  | 2962.7 | 2748.3 | 2649.6 |
| 47.5° | 6675.4 | 6696.5 | 6218.4 | 5117.4  | 4190.8  | 3866.2  | 3607.7  | 3166.5 | 2872.3 | 2744.1 |
| 50°   | 7531.7 | 7546.4 | 6984.3 | 5753.0  | 4669.9  | 4267.5  | 3941.8  | 3394.5 | 3044.6 | 2878.6 |
| 52.5° | 8199.9 | 8202.0 | 7679.8 | 6418.1  | 5168.9  | 4708.7  | 4302.2  | 3655.0 | 3244.2 | 3057.2 |
| 55°   | 8618.0 | 8612.7 | 8167.3 | 7047.4  | 5742.5  | 5172.1  | 4701.4  | 3951.3 | 3488.0 | 3267.3 |
| 57.5° | 8921.6 | 8905.8 | 8503.5 | 7588.4  | 6354.0  | 5719.4  | 5153.1  | 4287.5 | 3775.8 | 3517.4 |
| 60°   | 9037.2 | 9027.7 | 8731.5 | 8055.9  | 6996.9  | 6324.5  | 5674.2  | 4663.6 | 4102.6 | 3812.6 |
| 62.5° | 9081.3 | 9099.2 | 8955.2 | 8508.7  | 7685.1  | 6994.8  | 6246.8  | 5113.2 | 4470.3 | 4146.7 |
| 65°   | 9236.8 | 9269.4 | 9239.9 | 9101.3  | 8462.5  | 7779.6  | 7006.4  | 5648.0 | 4871.6 | 4504.9 |
| 67.5° | 9544.6 | 9577.2 | 9589.8 | 9810.4  | 9412.2  | 8757.7  | 7954.0  | 6314.0 | 5341.2 | 4876.8 |
| 70°   | 9537.3 | 9527.8 | 9750.5 | 10374.6 | 10601.5 | 10111.9 | 9231.5  | 7133.5 | 5901.2 | 5185.7 |
| 72.5° | 8681.0 | 8605.4 | 9131.7 | 10368.3 | 11591.2 | 11526.0 | 10791.7 | 8190.4 | 6384.4 | 5223.5 |
| 75°   | 6512.6 | 6310.9 | 7240.7 | 9343.9  | 11756.1 | 12328.7 | 11783.4 | 8846.0 | 6269.9 | 4615.2 |
| 77.5° | 2785.1 | 2582.3 | 3678.1 | 6917.1  | 10521.7 | 11525.0 | 10873.6 | 7717.6 | 5005.0 | 3052.0 |
| 80°   | 729.1  | 728.1  | 1111.5 | 3136.0  | 7155.6  | 8510.8  | 7466.5  | 4984.0 | 2859.7 | 1090.5 |
| 82.5° | 301.5  | 294.2  | 408.7  | 1219.7  | 3496.4  | 4776.0  | 3897.7  | 2223.0 | 1032.7 | 295.2  |
| 85°   | 112.4  | 111.4  | 198.6  | 421.3   | 1233.4  | 1969.9  | 1425.7  | 568.4  | 257.4  | 143.9  |
| 87.5° | 31.5   | 30.5   | 43.1   | 146.0   | 300.5   | 456.0   | 243.7   | 93.5   | 72.5   | 56.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2265.1 | 0°    | 2265.1 | 2265.1 | 2265.1 | 2265.1 | 2265.1 | 2265.1 | 2265.1 | 2265.1 | 2265.1 | 2265.1 |
| 2269.3 | 2.5°  | 2272.4 | 2277.7 | 2287.1 | 2294.5 | 2303.9 | 2314.4 | 2329.2 | 2338.6 | 2348.1 | 2354.4 |
| 2274.5 | 5°    | 2281.9 | 2293.4 | 2317.6 | 2341.8 | 2370.1 | 2396.4 | 2426.9 | 2448.9 | 2466.8 | 2472.0 |
| 2293.4 | 7.5°  | 2302.9 | 2321.8 | 2362.8 | 2403.7 | 2448.9 | 2492.0 | 2536.1 | 2573.9 | 2604.4 | 2616.0 |
| 2327.1 | 10°   | 2339.7 | 2364.9 | 2422.7 | 2480.4 | 2540.3 | 2606.5 | 2663.2 | 2717.9 | 2760.9 | 2778.8 |
| 2367.0 | 12.5° | 2385.9 | 2417.4 | 2493.0 | 2572.9 | 2655.9 | 2747.3 | 2820.8 | 2888.1 | 2941.7 | 2965.8 |
| 2422.7 | 15°   | 2445.8 | 2486.7 | 2583.4 | 2690.6 | 2812.4 | 2939.5 | 3033.1 | 3107.6 | 3167.5 | 3196.9 |
| 2480.4 | 17.5° | 2510.9 | 2565.5 | 2687.4 | 2849.2 | 3023.6 | 3190.6 | 3299.9 | 3354.5 | 3416.5 | 3444.9 |
| 2534.0 | 20°   | 2573.9 | 2641.2 | 2815.6 | 3050.9 | 3283.1 | 3460.6 | 3548.9 | 3563.6 | 3567.8 | 3571.0 |
| 2584.5 | 22.5° | 2639.1 | 2729.4 | 2976.3 | 3305.2 | 3554.1 | 3677.1 | 3689.7 | 3626.6 | 3538.4 | 3497.4 |
| 2633.8 | 25°   | 2710.5 | 2830.3 | 3186.4 | 3585.7 | 3787.4 | 3802.1 | 3705.4 | 3552.0 | 3385.0 | 3308.3 |
| 2673.8 | 27.5° | 2779.9 | 2946.9 | 3438.6 | 3853.6 | 3955.5 | 3826.2 | 3618.2 | 3400.8 | 3199.0 | 3118.1 |
| 2702.1 | 30°   | 2849.2 | 3080.3 | 3717.0 | 4087.8 | 4032.2 | 3766.4 | 3480.6 | 3237.9 | 3035.2 | 2950.1 |
| 2727.3 | 32.5° | 2919.6 | 3235.8 | 4037.4 | 4257.0 | 4018.5 | 3639.2 | 3309.4 | 3055.1 | 2876.5 | 2787.2 |
| 2749.4 | 35°   | 2999.4 | 3427.0 | 4341.0 | 4349.4 | 3927.1 | 3452.2 | 3083.5 | 2836.6 | 2681.1 | 2609.7 |
| 2775.7 | 37.5° | 3103.4 | 3669.7 | 4608.9 | 4372.6 | 3767.4 | 3178.0 | 2803.0 | 2578.1 | 2450.0 | 2417.4 |
| 2814.5 | 40°   | 3232.7 | 3961.8 | 4813.8 | 4335.8 | 3531.0 | 2845.0 | 2496.2 | 2316.6 | 2244.1 | 2251.4 |
| 2867.1 | 42.5° | 3400.8 | 4288.5 | 4957.7 | 4241.2 | 3202.2 | 2501.5 | 2227.2 | 2147.4 | 2182.1 | 2211.5 |
| 2945.9 | 45°   | 3619.3 | 4627.8 | 5047.0 | 4080.5 | 2830.3 | 2210.4 | 2068.6 | 2087.5 | 2113.8 | 2116.9 |
| 3073.0 | 47.5° | 3898.7 | 4971.4 | 5105.9 | 3837.8 | 2451.0 | 2005.6 | 1967.8 | 1972.0 | 1966.7 | 1944.6 |
| 3263.1 | 50°   | 4247.5 | 5305.5 | 5158.4 | 3516.3 | 2128.5 | 1877.4 | 1827.0 | 1812.3 | 1739.8 | 1668.3 |
| 3516.3 | 52.5° | 4644.7 | 5612.2 | 5180.5 | 3117.1 | 1877.4 | 1770.2 | 1688.3 | 1595.8 | 1460.3 | 1438.3 |
| 3834.7 | 55°   | 5085.9 | 5895.9 | 5123.7 | 2626.5 | 1666.2 | 1632.6 | 1508.6 | 1397.3 | 1382.6 | 1363.7 |
| 4253.8 | 57.5° | 5613.3 | 6201.6 | 5008.2 | 2079.1 | 1449.8 | 1471.9 | 1351.1 | 1363.7 | 1337.4 | 1308.0 |
| 4792.8 | 60°   | 6190.1 | 6517.9 | 4805.4 | 1580.1 | 1226.0 | 1271.2 | 1310.1 | 1309.0 | 1301.7 | 1277.5 |
| 5361.2 | 62.5° | 6709.1 | 6725.9 | 4406.2 | 1210.3 | 1029.6 | 1115.7 | 1221.8 | 1220.8 | 1214.5 | 1200.8 |
| 5954.7 | 65°   | 7017.9 | 6694.4 | 3740.1 | 952.9  | 867.8  | 987.6  | 1102.1 | 1110.5 | 1111.5 | 1110.5 |
| 6401.2 | 67.5° | 6963.3 | 6325.6 | 2826.1 | 758.5  | 734.4  | 857.3  | 983.4  | 994.9  | 1003.3 | 1005.4 |
| 6458.0 | 70°   | 6345.6 | 5515.6 | 1842.7 | 605.1  | 615.6  | 742.8  | 870.9  | 882.5  | 889.8  | 898.3  |
| 5603.8 | 72.5° | 4946.2 | 4055.3 | 1054.8 | 489.6  | 511.6  | 644.0  | 759.6  | 773.2  | 777.4  | 793.2  |
| 3899.8 | 75°   | 3014.1 | 2384.8 | 569.4  | 385.6  | 420.2  | 550.5  | 649.3  | 665.0  | 672.4  | 691.3  |
| 1915.2 | 77.5° | 1433.0 | 1032.7 | 324.6  | 300.5  | 338.3  | 449.7  | 548.4  | 566.3  | 546.3  | 556.8  |
| 528.4  | 80°   | 484.3  | 383.5  | 204.9  | 229.0  | 258.4  | 350.9  | 439.1  | 457.0  | 415.0  | 412.9  |
| 175.4  | 82.5° | 169.1  | 155.5  | 130.3  | 152.3  | 167.0  | 251.1  | 332.0  | 355.1  | 308.9  | 307.8  |
| 78.8   | 85°   | 66.2   | 63.0   | 72.5   | 83.0   | 99.8   | 154.4  | 218.5  | 230.1  | 190.2  | 153.4  |
| 23.1   | 87.5° | 13.7   | 14.7   | 17.9   | 18.9   | 30.5   | 53.6   | 78.8   | 96.7   | 76.7   | 65.1   |
| 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°   |
|--------|
| 2265.1 |
| 2350.2 |
| 2474.1 |
| 2617.0 |
| 2779.9 |
| 2965.8 |
| 3194.8 |
| 3443.8 |
| 3579.4 |
| 3509.0 |
| 3319.9 |
| 3127.6 |
| 2959.5 |
| 2798.8 |
| 2625.4 |
| 2440.5 |
| 2276.6 |
| 2238.8 |
| 2137.9 |
| 1961.5 |
| 1677.8 |
| 1445.6 |
| 1366.8 |
| 1302.7 |
| 1269.1 |
| 1195.6 |
| 1110.5 |
| 1007.5 |
| 902.5  |
| 799.5  |
| 693.4  |
| 548.4  |
| 408.7  |
| 293.1  |
| 151.3  |
| 59.9   |
| 0.0    |

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