

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: P941659

Luminaire Tested: **GLAN-SB5B-750-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941659  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-750-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 29744 lumens  
Efficiency: N/A  
Efficacy: 162.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 182.7  
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

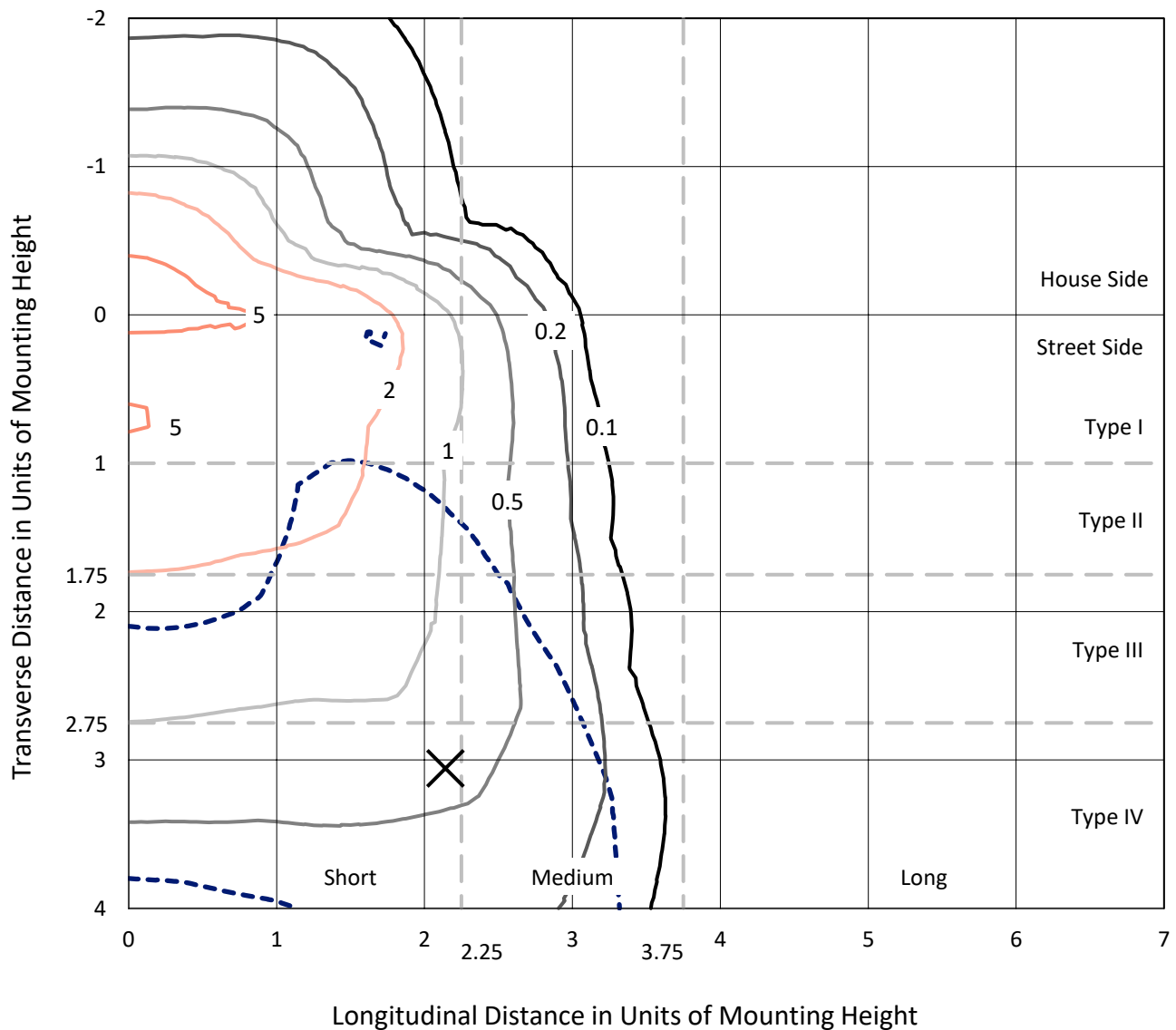


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

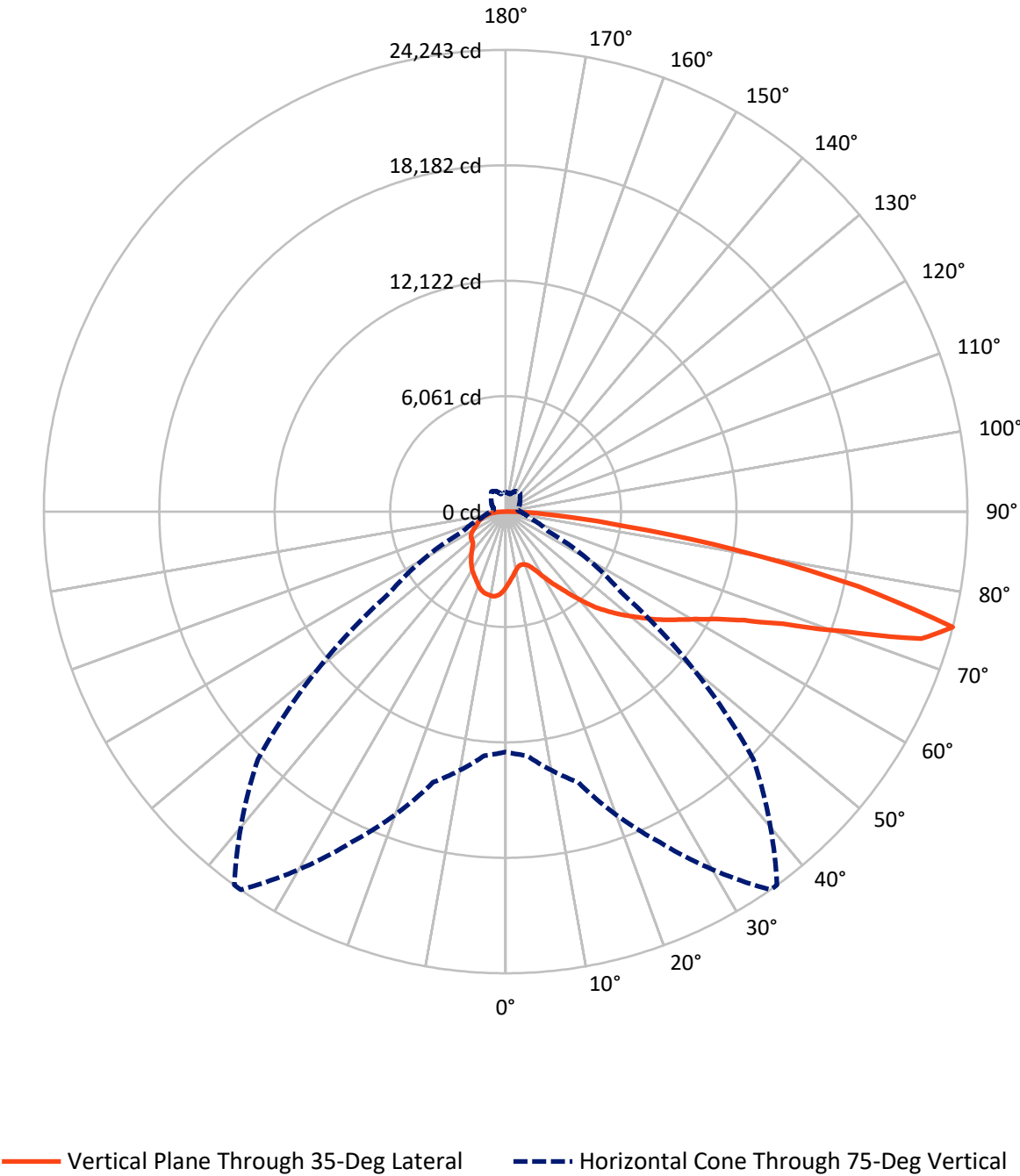


Based on 25 foot mounting height. Maximum calculated value = 7 fc

Type IV - 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    | 7078.3   | 0.0    | 7078.3  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 22665.7  | 0.0    | 22665.7 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 29744.0  | 0.0    | 29744.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 375.3   | 1.3       |
| 10°-20°   | 1082.5  | 3.6       |
| 20°-30°   | 1817.7  | 6.1       |
| 30°-40°   | 2825.0  | 9.5       |
| 40°-50°   | 4193.0  | 14.1      |
| 50°-60°   | 5788.7  | 19.5      |
| 60°-70°   | 7023.0  | 23.6      |
| 70°-80°   | 5804.0  | 19.5      |
| 80°-90°   | 834.8   | 2.8       |
| 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°    | 29744.0 | 100.0     |
| 0°-180°   | 29744.0 | 100.0     |

**Coefficient of Utilization**



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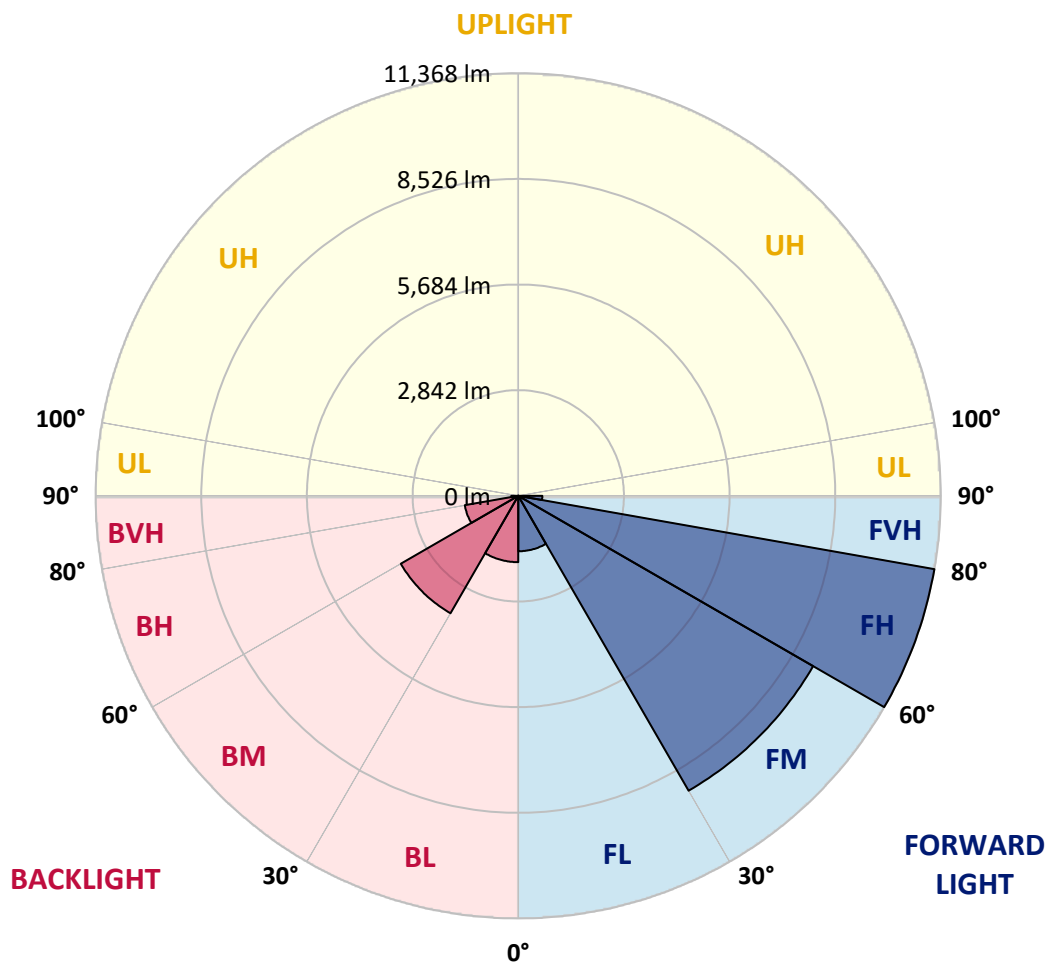
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1491.6  | 5.0       |                         |      |          |
| FM   | (30°-60°)   | 9159.5  | 30.8      |                         |      |          |
| FH   | (60°-80°)   | 11367.7 | 38.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 646.8   | 2.2       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1783.8  | 6.0       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3647.2  | 12.3      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1459.3  | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 188.0   | 0.6       |                         |      | G2/225   |
| 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3963.6  | 3963.6  | 3963.6  | 3963.6  | 3963.6  | 3963.6  | 3963.6  | 3963.6  | 3963.6  | 3963.6  |
| 2.5°  | 3654.9  | 3677.4  | 3687.0  | 3682.2  | 3706.3  | 3703.1  | 3736.9  | 3778.7  | 3836.6  | 3892.8  |
| 5°    | 3373.5  | 3397.6  | 3418.5  | 3437.8  | 3484.4  | 3498.9  | 3552.0  | 3632.4  | 3738.5  | 3846.2  |
| 7.5°  | 3111.4  | 3132.3  | 3164.4  | 3199.8  | 3278.6  | 3293.1  | 3381.5  | 3506.9  | 3654.9  | 3812.4  |
| 10°   | 2897.5  | 2918.4  | 2952.2  | 2992.4  | 3090.5  | 3108.2  | 3220.7  | 3387.9  | 3580.9  | 3780.3  |
| 12.5° | 2805.9  | 2812.3  | 2831.6  | 2871.8  | 2957.0  | 2968.3  | 3092.1  | 3283.4  | 3508.5  | 3756.2  |
| 15°   | 2801.0  | 2813.9  | 2815.5  | 2836.4  | 2907.2  | 2912.0  | 3026.2  | 3215.9  | 3463.5  | 3751.3  |
| 17.5° | 2849.3  | 2858.9  | 2844.5  | 2857.3  | 2916.8  | 2924.9  | 3014.9  | 3183.7  | 3449.0  | 3772.2  |
| 20°   | 2977.9  | 2986.0  | 2942.5  | 2924.9  | 2968.3  | 2974.7  | 3063.1  | 3204.6  | 3463.5  | 3815.7  |
| 22.5° | 3251.3  | 3256.1  | 3150.0  | 3077.6  | 3080.8  | 3084.0  | 3161.2  | 3289.9  | 3519.8  | 3894.4  |
| 25°   | 3677.4  | 3674.2  | 3505.3  | 3365.4  | 3285.0  | 3267.3  | 3318.8  | 3428.1  | 3614.7  | 3999.0  |
| 27.5° | 4175.8  | 4151.7  | 3982.9  | 3773.9  | 3598.6  | 3572.9  | 3561.6  | 3608.2  | 3749.7  | 4137.2  |
| 30°   | 4738.6  | 4716.1  | 4534.4  | 4261.1  | 4018.3  | 3976.5  | 3870.3  | 3846.2  | 3950.7  | 4325.4  |
| 32.5° | 5356.1  | 5341.6  | 5124.5  | 4793.3  | 4468.5  | 4420.2  | 4241.8  | 4177.4  | 4259.5  | 4610.0  |
| 35°   | 5873.8  | 5861.0  | 5680.9  | 5340.0  | 4942.8  | 4883.3  | 4701.6  | 4629.3  | 4671.1  | 4975.0  |
| 37.5° | 6341.7  | 6335.3  | 6180.9  | 5912.4  | 5502.4  | 5430.0  | 5225.8  | 5201.7  | 5193.7  | 5455.8  |
| 40°   | 6775.9  | 6759.8  | 6599.0  | 6457.5  | 6153.6  | 6087.7  | 5907.6  | 5886.7  | 5825.6  | 6047.5  |
| 42.5° | 7256.7  | 7214.9  | 6981.7  | 6915.8  | 6833.8  | 6779.1  | 6671.4  | 6674.6  | 6539.5  | 6714.8  |
| 45°   | 7649.0  | 7624.9  | 7385.3  | 7346.7  | 7435.1  | 7412.6  | 7505.9  | 7530.0  | 7267.9  | 7414.2  |
| 47.5° | 8070.3  | 8047.8  | 7845.2  | 7817.8  | 8057.4  | 8063.9  | 8393.5  | 8401.5  | 7978.6  | 8141.0  |
| 50°   | 8589.7  | 8557.5  | 8356.5  | 8390.3  | 8658.8  | 8682.9  | 9285.9  | 9231.2  | 8633.1  | 8879.1  |
| 52.5° | 8932.1  | 8951.4  | 8908.0  | 8962.7  | 9329.3  | 9351.8  | 10163.8 | 10023.9 | 9281.1  | 9607.5  |
| 55°   | 9184.6  | 9223.2  | 9358.3  | 9483.7  | 10036.8 | 10059.3 | 10991.9 | 10778.1 | 9818.1  | 10282.8 |
| 57.5° | 9509.4  | 9454.7  | 9707.2  | 9951.6  | 10708.9 | 10768.4 | 11797.5 | 11504.9 | 10294.1 | 10864.9 |
| 60°   | 9975.7  | 9937.1  | 10133.3 | 10495.1 | 11461.4 | 11556.3 | 12649.7 | 12159.3 | 10643.0 | 11326.4 |
| 62.5° | 10921.2 | 10824.7 | 10855.2 | 11175.2 | 12410.1 | 12535.6 | 13611.3 | 12730.1 | 10816.7 | 11506.5 |
| 65°   | 12334.6 | 12168.9 | 12014.6 | 12236.5 | 13746.3 | 13870.2 | 14696.6 | 13178.7 | 10752.3 | 11157.5 |
| 67.5° | 14114.6 | 13950.5 | 13760.8 | 13969.8 | 15714.5 | 15812.6 | 16036.1 | 13431.2 | 10245.8 | 9813.3  |
| 70°   | 15582.6 | 15521.5 | 15748.2 | 16608.5 | 18858.0 | 18861.2 | 17753.3 | 13222.1 | 8858.2  | 6957.6  |
| 72.5° | 15388.1 | 15351.1 | 16545.8 | 19205.3 | 22820.0 | 22734.8 | 19379.0 | 11639.9 | 5967.1  | 3138.7  |
| 75°   | 12624.0 | 12863.6 | 14714.3 | 19158.7 | 24243.0 | 24231.8 | 18383.7 | 7399.8  | 2468.2  | 1300.8  |
| 77.5° | 6769.5  | 7148.9  | 9552.8  | 14145.1 | 18925.5 | 19210.1 | 12924.7 | 2588.8  | 1059.6  | 832.9   |
| 80°   | 2207.7  | 2538.9  | 3807.6  | 7202.0  | 12297.6 | 12244.5 | 5539.4  | 1016.2  | 725.2   | 590.1   |
| 82.5° | 937.4   | 976.0   | 1701.2  | 3400.8  | 6311.2  | 6213.1  | 1763.9  | 583.7   | 509.7   | 403.6   |
| 85°   | 366.6   | 410.0   | 750.9   | 1572.6  | 2733.5  | 2674.0  | 636.7   | 289.4   | 326.4   | 263.7   |
| 87.5° | 120.6   | 146.3   | 268.5   | 538.7   | 850.6   | 820.1   | 156.0   | 99.7    | 141.5   | 120.6   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3963.6  | 0°    | 3963.6  | 3963.6 | 3963.6 | 3963.6 | 3963.6 | 3963.6 | 3963.6 | 3963.6 | 3963.6 | 3963.6 |
| 3974.8  | 2.5°  | 3997.4  | 4023.1 | 4053.6 | 4098.7 | 4137.2 | 4169.4 | 4203.2 | 4224.1 | 4232.1 | 4256.2 |
| 3981.3  | 5°    | 4026.3  | 4082.6 | 4158.2 | 4232.1 | 4304.5 | 4347.9 | 4386.5 | 4405.8 | 4423.5 | 4436.3 |
| 3999.0  | 7.5°  | 4074.5  | 4146.9 | 4265.9 | 4362.4 | 4423.5 | 4458.8 | 4484.6 | 4478.1 | 4484.6 | 4487.8 |
| 4018.3  | 10°   | 4116.3  | 4217.6 | 4359.1 | 4450.8 | 4497.4 | 4499.0 | 4492.6 | 4470.1 | 4458.8 | 4460.4 |
| 4047.2  | 12.5° | 4166.2  | 4278.7 | 4431.5 | 4508.7 | 4521.5 | 4486.2 | 4458.8 | 4420.2 | 4405.8 | 4399.3 |
| 4090.6  | 15°   | 4233.7  | 4362.4 | 4510.3 | 4539.2 | 4507.1 | 4462.1 | 4415.4 | 4352.7 | 4320.6 | 4294.8 |
| 4164.6  | 17.5° | 4315.7  | 4457.2 | 4571.4 | 4550.5 | 4481.3 | 4407.4 | 4331.8 | 4236.9 | 4171.0 | 4143.7 |
| 4265.9  | 20°   | 4429.9  | 4556.9 | 4618.0 | 4526.4 | 4421.9 | 4309.3 | 4180.7 | 4064.9 | 4003.8 | 3976.5 |
| 4394.5  | 22.5° | 4568.2  | 4690.4 | 4663.0 | 4484.6 | 4336.6 | 4156.5 | 3995.7 | 3910.5 | 3880.0 | 3860.7 |
| 4560.1  | 25°   | 4733.8  | 4838.3 | 4695.2 | 4423.5 | 4196.7 | 3953.9 | 3830.1 | 3802.8 | 3788.3 | 3773.9 |
| 4762.7  | 27.5° | 4949.3  | 5005.5 | 4719.3 | 4333.4 | 3978.1 | 3738.5 | 3693.5 | 3698.3 | 3693.5 | 3669.3 |
| 5044.1  | 30°   | 5233.9  | 5222.6 | 4741.8 | 4187.1 | 3727.2 | 3543.9 | 3547.1 | 3568.0 | 3571.3 | 3555.2 |
| 5436.5  | 32.5° | 5608.5  | 5494.4 | 4753.1 | 3997.4 | 3487.6 | 3373.5 | 3376.7 | 3399.2 | 3415.3 | 3387.9 |
| 5949.4  | 35°   | 6062.0  | 5811.1 | 4735.4 | 3759.4 | 3302.7 | 3211.1 | 3187.0 | 3193.4 | 3198.2 | 3172.5 |
| 6571.7  | 37.5° | 6591.0  | 6166.5 | 4656.6 | 3495.7 | 3150.0 | 3051.9 | 3000.4 | 2957.0 | 2931.3 | 2907.2 |
| 7276.0  | 40°   | 7171.4  | 6554.0 | 4511.9 | 3238.4 | 2979.5 | 2883.0 | 2805.9 | 2723.9 | 2637.0 | 2604.9 |
| 8022.0  | 42.5° | 7779.2  | 6952.8 | 4336.6 | 2992.4 | 2783.4 | 2704.6 | 2622.6 | 2503.6 | 2373.3 | 2307.4 |
| 8797.1  | 45°   | 8409.6  | 7361.2 | 4164.6 | 2749.6 | 2582.4 | 2548.6 | 2453.7 | 2310.6 | 2169.1 | 2085.5 |
| 9573.7  | 47.5° | 9027.0  | 7747.1 | 3912.1 | 2505.2 | 2394.2 | 2431.2 | 2357.3 | 2225.4 | 2067.8 | 1936.0 |
| 10343.9 | 50°   | 9617.1  | 8108.9 | 3498.9 | 2257.6 | 2241.5 | 2395.8 | 2325.1 | 2135.4 | 1955.3 | 1786.4 |
| 11099.7 | 52.5° | 10202.4 | 8401.5 | 2969.9 | 2032.4 | 2159.5 | 2386.2 | 2283.3 | 2074.3 | 1854.0 | 1677.1 |
| 11810.4 | 55°   | 10699.3 | 8552.7 | 2460.2 | 1839.5 | 2040.5 | 2304.2 | 2233.4 | 2001.9 | 1710.9 | 1522.7 |
| 12297.6 | 57.5° | 10982.3 | 8430.5 | 2035.7 | 1649.8 | 1876.5 | 2169.1 | 2148.2 | 1847.5 | 1540.4 | 1395.7 |
| 12392.4 | 60°   | 10860.1 | 7935.2 | 1688.3 | 1484.1 | 1720.5 | 2022.8 | 2000.3 | 1694.8 | 1410.2 | 1273.5 |
| 11884.3 | 62.5° | 10186.3 | 6991.4 | 1413.4 | 1339.4 | 1579.0 | 1873.3 | 1852.4 | 1577.4 | 1310.5 | 1178.6 |
| 10535.3 | 65°   | 8829.2  | 5687.3 | 1199.5 | 1218.8 | 1435.9 | 1693.2 | 1723.7 | 1479.3 | 1231.7 | 1103.1 |
| 8150.7  | 67.5° | 6734.1  | 4119.6 | 1032.3 | 1114.3 | 1296.0 | 1516.3 | 1604.7 | 1408.6 | 1165.8 | 1043.6 |
| 4716.1  | 70°   | 3838.2  | 2339.6 | 890.8  | 1013.0 | 1172.2 | 1352.3 | 1513.1 | 1352.3 | 1095.0 | 993.7  |
| 1767.1  | 72.5° | 1455.2  | 1074.1 | 770.2  | 911.7  | 1053.2 | 1214.0 | 1411.8 | 1263.8 | 1013.0 | 937.4  |
| 913.3   | 75°   | 776.6   | 654.4  | 648.0  | 792.7  | 916.5  | 1078.9 | 1284.7 | 1177.0 | 951.9  | 990.5  |
| 631.9   | 77.5° | 529.0   | 463.1  | 541.9  | 678.6  | 767.0  | 929.4  | 1149.7 | 1045.2 | 824.9  | 821.7  |
| 437.4   | 80°   | 366.6   | 328.0  | 440.6  | 546.7  | 593.3  | 781.5  | 1003.4 | 897.2  | 672.1  | 627.1  |
| 270.1   | 82.5° | 220.3   | 213.9  | 329.6  | 408.4  | 419.7  | 603.0  | 831.3  | 752.5  | 549.9  | 479.2  |
| 160.8   | 85°   | 120.6   | 127.0  | 210.6  | 239.6  | 244.4  | 421.3  | 651.2  | 582.1  | 422.9  | 355.4  |
| 57.9    | 87.5° | 33.8    | 43.4   | 77.2   | 94.9   | 117.4  | 218.7  | 387.5  | 345.7  | 212.2  | 147.9  |
| 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°   |
|--------|
| 3963.6 |
| 4254.6 |
| 4439.5 |
| 4492.6 |
| 4463.7 |
| 4396.1 |
| 4302.9 |
| 4145.3 |
| 3973.2 |
| 3863.9 |
| 3773.9 |
| 3674.2 |
| 3563.2 |
| 3400.8 |
| 3190.2 |
| 2923.2 |
| 2619.3 |
| 2315.4 |
| 2079.1 |
| 1921.5 |
| 1772.0 |
| 1657.8 |
| 1506.6 |
| 1376.4 |
| 1254.2 |
| 1157.7 |
| 1082.1 |
| 1024.3 |
| 980.8  |
| 924.6  |
| 1022.7 |
| 757.3  |
| 599.8  |
| 482.4  |
| 358.6  |
| 147.9  |
| 0.0    |