

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: P942089

Luminaire Tested: **GLAN-SB5D-935-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942089  
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-SB5D-935-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35343 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 364.9  
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

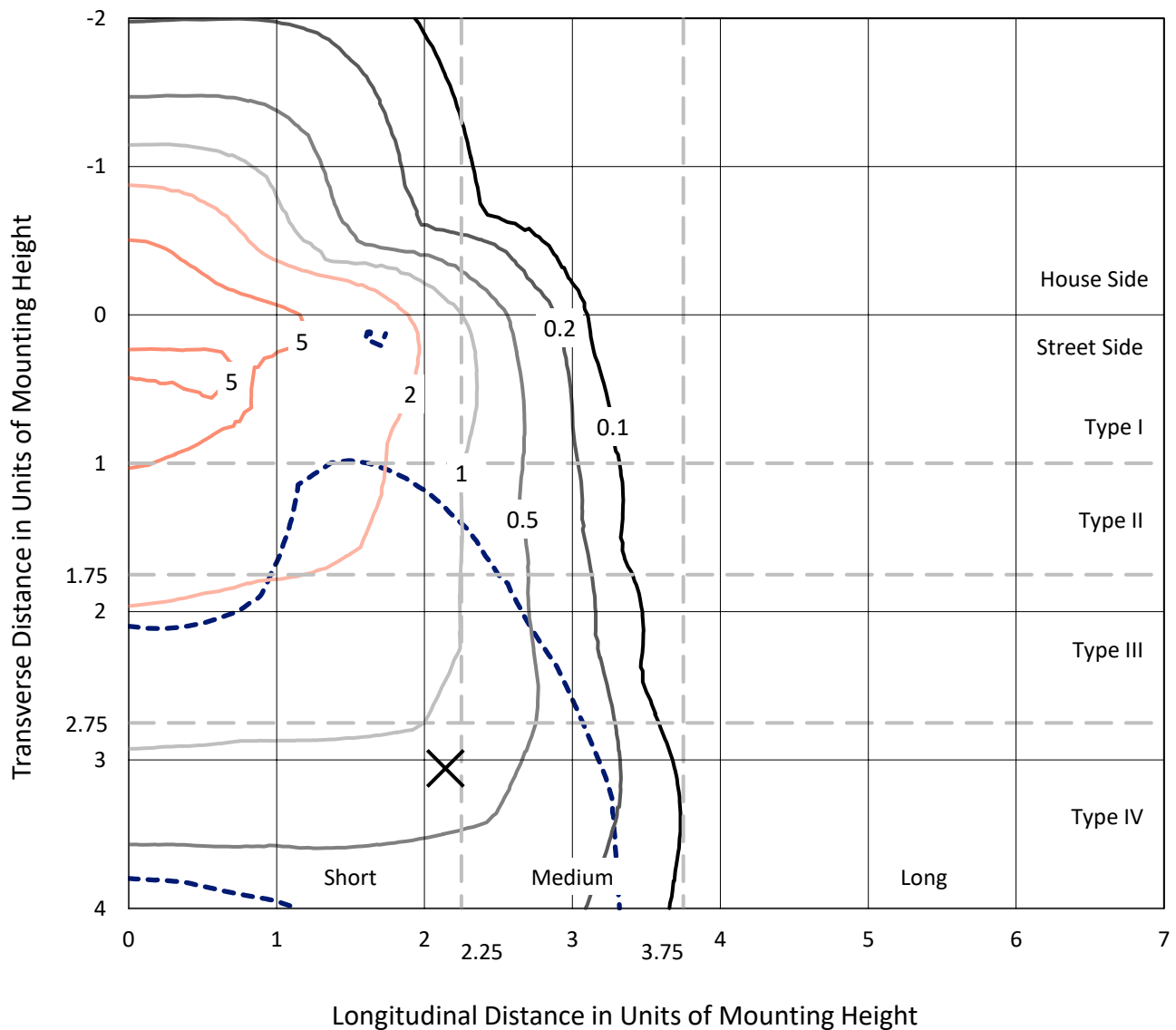


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## Iso-Footcandle Lines of Horizontal Illumination

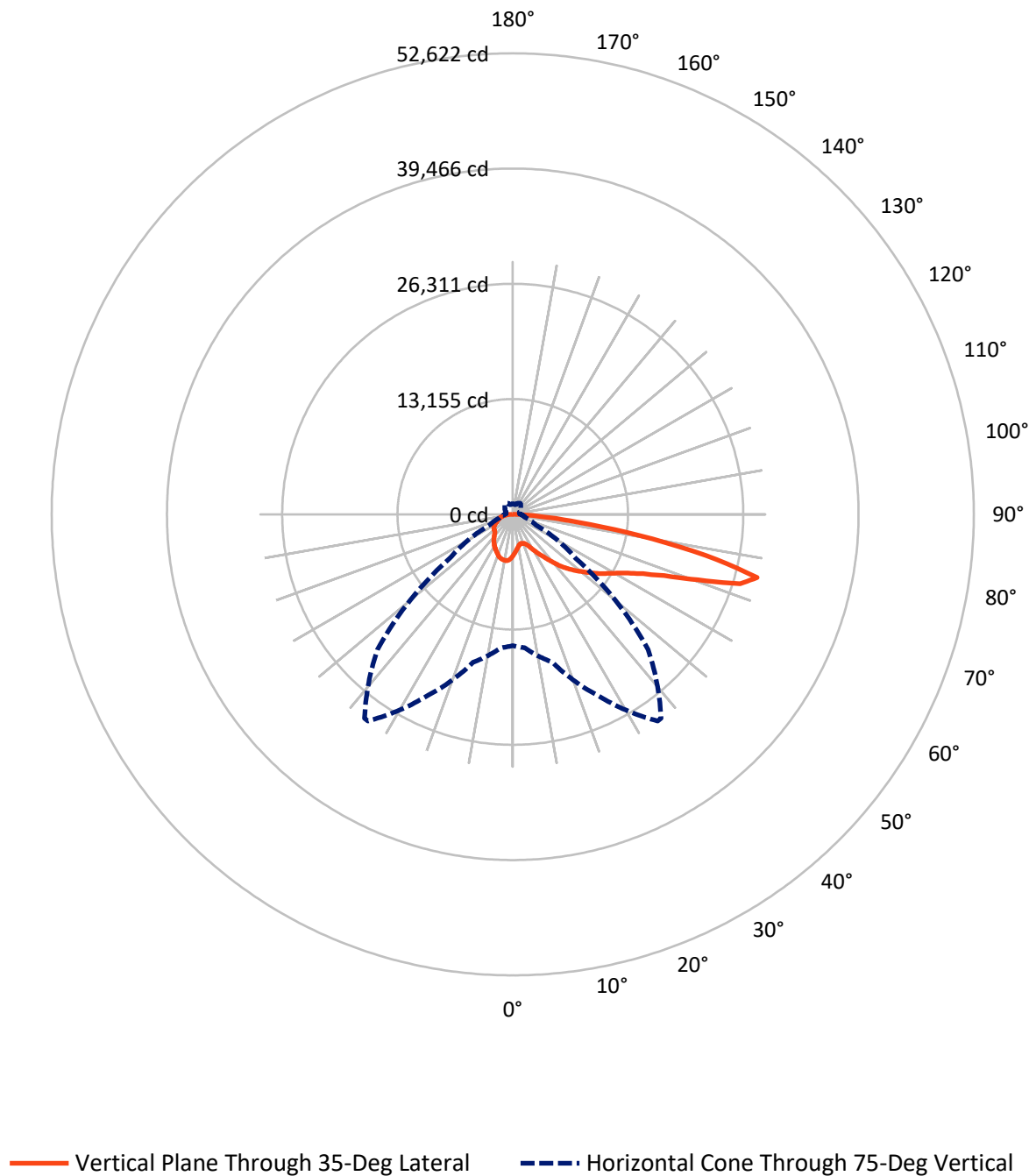
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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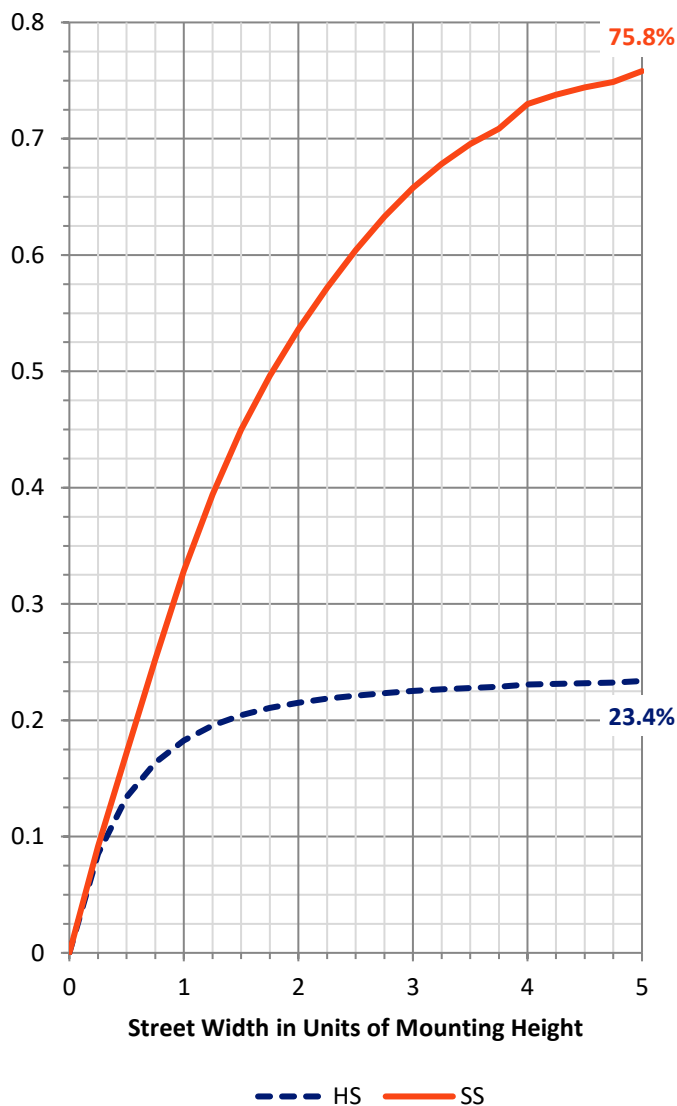
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8410.7   | 0.0    | 8410.7  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 26932.3  | 0.0    | 26932.3 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 35343.0  | 0.0    | 35343.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 445.9   | 1.3       |
| 10°-20°   | 1286.2  | 3.6       |
| 20°-30°   | 2159.9  | 6.1       |
| 30°-40°   | 3356.8  | 9.5       |
| 40°-50°   | 4982.3  | 14.1      |
| 50°-60°   | 6878.4  | 19.5      |
| 60°-70°   | 8345.1  | 23.6      |
| 70°-80°   | 6896.5  | 19.5      |
| 80°-90°   | 991.9   | 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°    | 35343.0 | 100.0     |
| 0°-180°   | 35343.0 | 100.0     |

**Coefficient of Utilization**



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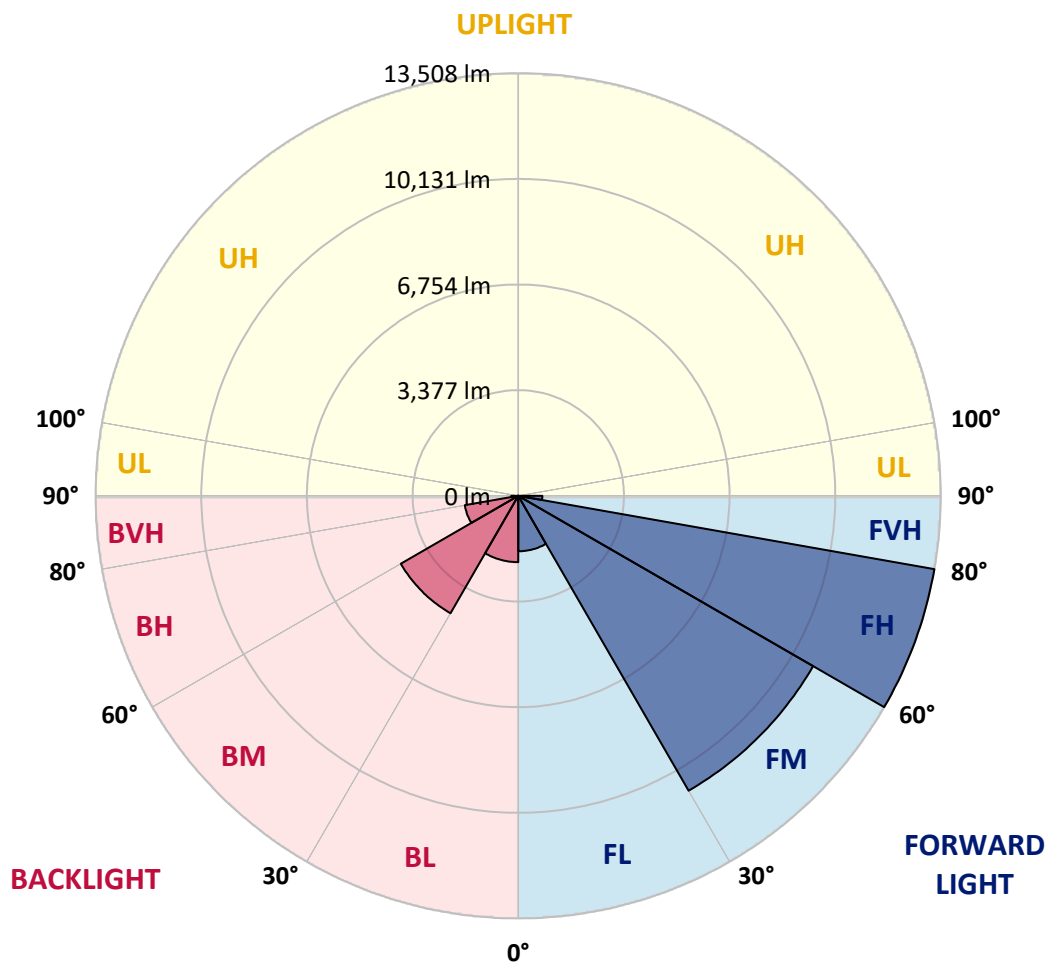
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1772.4  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 10883.7 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 13507.6 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 768.6   | 2.2       |                         |      | G5      |
| BL   | (0°-30°)    | 2119.6  | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4333.7  | 12.3      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1734.0  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 223.4   | 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-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4709.7  | 4709.7  | 4709.7  | 4709.7  | 4709.7  | 4709.7  | 4709.7  | 4709.7  | 4709.7  | 4709.7  |
| 2.5°  | 4342.9  | 4369.6  | 4381.1  | 4375.3  | 4404.0  | 4400.2  | 4440.3  | 4490.0  | 4558.8  | 4625.6  |
| 5°    | 4008.5  | 4037.2  | 4062.0  | 4084.9  | 4140.3  | 4157.5  | 4220.6  | 4316.1  | 4442.2  | 4570.2  |
| 7.5°  | 3697.1  | 3721.9  | 3760.1  | 3802.1  | 3895.8  | 3913.0  | 4018.0  | 4167.1  | 4342.9  | 4530.1  |
| 10°   | 3442.9  | 3467.8  | 3507.9  | 3555.7  | 3672.2  | 3693.2  | 3827.0  | 4025.7  | 4255.0  | 4491.9  |
| 12.5° | 3334.0  | 3341.7  | 3364.6  | 3412.4  | 3513.6  | 3527.0  | 3674.1  | 3901.5  | 4169.0  | 4463.2  |
| 15°   | 3328.3  | 3343.6  | 3345.5  | 3370.3  | 3454.4  | 3460.1  | 3595.8  | 3821.3  | 4115.5  | 4457.5  |
| 17.5° | 3385.6  | 3397.1  | 3379.9  | 3395.2  | 3465.9  | 3475.4  | 3582.4  | 3783.0  | 4098.3  | 4482.3  |
| 20°   | 3538.5  | 3548.0  | 3496.4  | 3475.4  | 3527.0  | 3534.7  | 3639.7  | 3807.9  | 4115.5  | 4533.9  |
| 22.5° | 3863.3  | 3869.0  | 3742.9  | 3656.9  | 3660.8  | 3664.6  | 3756.3  | 3909.1  | 4182.4  | 4627.5  |
| 25°   | 4369.6  | 4365.8  | 4165.2  | 3998.9  | 3903.4  | 3882.4  | 3943.5  | 4073.5  | 4295.1  | 4751.7  |
| 27.5° | 4961.9  | 4933.2  | 4732.6  | 4484.2  | 4276.0  | 4245.4  | 4232.0  | 4287.4  | 4455.6  | 4916.0  |
| 30°   | 5630.6  | 5603.9  | 5388.0  | 5063.2  | 4774.7  | 4725.0  | 4598.9  | 4570.2  | 4694.4  | 5139.6  |
| 32.5° | 6364.3  | 6347.1  | 6089.2  | 5695.6  | 5309.6  | 5252.3  | 5040.2  | 4963.8  | 5061.2  | 5477.8  |
| 35°   | 6979.5  | 6964.2  | 6750.2  | 6345.2  | 5873.3  | 5802.6  | 5586.7  | 5500.7  | 5550.4  | 5911.5  |
| 37.5° | 7535.5  | 7527.9  | 7344.4  | 7025.4  | 6538.2  | 6452.2  | 6209.5  | 6180.9  | 6171.3  | 6482.8  |
| 40°   | 8051.4  | 8032.3  | 7841.2  | 7673.1  | 7312.0  | 7233.6  | 7019.6  | 6994.8  | 6922.2  | 7185.9  |
| 42.5° | 8622.7  | 8573.0  | 8295.9  | 8217.6  | 8120.2  | 8055.2  | 7927.2  | 7931.0  | 7770.5  | 7978.8  |
| 45°   | 9088.8  | 9060.2  | 8775.5  | 8729.7  | 8834.7  | 8808.0  | 8918.8  | 8947.5  | 8636.0  | 8809.9  |
| 47.5° | 9589.4  | 9562.7  | 9321.9  | 9289.5  | 9574.1  | 9581.8  | 9973.5  | 9983.0  | 9480.5  | 9673.5  |
| 50°   | 10206.6 | 10168.4 | 9929.5  | 9969.6  | 10288.7 | 10317.4 | 11033.9 | 10968.9 | 10258.2 | 10550.5 |
| 52.5° | 10613.5 | 10636.5 | 10584.9 | 10649.8 | 11085.5 | 11112.2 | 12077.1 | 11910.8 | 11028.1 | 11416.0 |
| 55°   | 10913.5 | 10959.4 | 11119.8 | 11268.9 | 11926.1 | 11952.9 | 13061.0 | 12806.9 | 11666.3 | 12218.5 |
| 57.5° | 11299.4 | 11234.5 | 11534.5 | 11824.9 | 12724.8 | 12795.5 | 14018.3 | 13670.5 | 12231.8 | 12910.1 |
| 60°   | 11853.5 | 11807.7 | 12040.8 | 12470.7 | 13618.9 | 13731.7 | 15030.9 | 14448.2 | 12646.4 | 13458.5 |
| 62.5° | 12977.0 | 12862.3 | 12898.6 | 13278.9 | 14746.2 | 14895.2 | 16173.5 | 15126.4 | 12852.8 | 13672.4 |
| 65°   | 14656.4 | 14459.6 | 14276.2 | 14539.9 | 16333.9 | 16481.1 | 17463.1 | 15659.5 | 12776.4 | 13257.8 |
| 67.5° | 16771.5 | 16576.6 | 16351.1 | 16599.5 | 18672.6 | 18789.1 | 19054.7 | 15959.5 | 12174.5 | 11660.6 |
| 70°   | 18515.9 | 18443.3 | 18712.7 | 19734.9 | 22407.8 | 22411.6 | 21095.2 | 15711.1 | 10525.6 | 8267.3  |
| 72.5° | 18284.7 | 18240.7 | 19660.3 | 22820.5 | 27115.6 | 27014.3 | 23026.9 | 13831.0 | 7090.3  | 3729.5  |
| 75°   | 15000.3 | 15285.0 | 17484.1 | 22765.1 | 28806.5 | 28793.1 | 21844.2 | 8792.7  | 2932.8  | 1545.7  |
| 77.5° | 8043.7  | 8494.6  | 11351.0 | 16807.8 | 22488.1 | 22826.3 | 15357.6 | 3076.1  | 1259.1  | 989.7   |
| 80°   | 2623.3  | 3016.9  | 4524.4  | 8557.7  | 14612.5 | 14549.4 | 6582.1  | 1207.5  | 861.7   | 701.2   |
| 82.5° | 1113.9  | 1159.8  | 2021.4  | 4041.0  | 7499.2  | 7382.7  | 2096.0  | 693.6   | 605.7   | 479.6   |
| 85°   | 435.6   | 487.2   | 892.3   | 1868.6  | 3248.1  | 3177.4  | 756.6   | 343.9   | 387.9   | 313.3   |
| 87.5° | 143.3   | 173.9   | 319.1   | 640.1   | 1010.7  | 974.4   | 185.3   | 118.5   | 168.1   | 143.3   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4709.7  | 0°    | 4709.7  | 4709.7  | 4709.7 | 4709.7 | 4709.7 | 4709.7 | 4709.7 | 4709.7 | 4709.7 | 4709.7 |
| 4723.1  | 2.5°  | 4749.8  | 4780.4  | 4816.7 | 4870.2 | 4916.0 | 4954.3 | 4994.4 | 5019.2 | 5028.8 | 5057.4 |
| 4730.7  | 5°    | 4784.2  | 4851.1  | 4940.9 | 5028.8 | 5114.7 | 5166.3 | 5212.2 | 5235.1 | 5256.1 | 5271.4 |
| 4751.7  | 7.5°  | 4841.5  | 4927.5  | 5068.9 | 5183.5 | 5256.1 | 5298.2 | 5328.7 | 5321.1 | 5328.7 | 5332.6 |
| 4774.7  | 10°   | 4891.2  | 5011.6  | 5179.7 | 5288.6 | 5344.0 | 5345.9 | 5338.3 | 5311.5 | 5298.2 | 5300.1 |
| 4809.0  | 12.5° | 4950.4  | 5084.2  | 5265.7 | 5357.4 | 5372.7 | 5330.6 | 5298.2 | 5252.3 | 5235.1 | 5227.5 |
| 4860.6  | 15°   | 5030.7  | 5183.5  | 5359.3 | 5393.7 | 5355.5 | 5302.0 | 5246.6 | 5172.1 | 5133.9 | 5103.3 |
| 4948.5  | 17.5° | 5128.1  | 5296.3  | 5431.9 | 5407.1 | 5324.9 | 5237.0 | 5147.2 | 5034.5 | 4956.2 | 4923.7 |
| 5068.9  | 20°   | 5263.8  | 5414.7  | 5487.3 | 5378.4 | 5254.2 | 5120.5 | 4967.6 | 4830.1 | 4757.5 | 4725.0 |
| 5221.7  | 22.5° | 5428.1  | 5573.3  | 5540.8 | 5328.7 | 5153.0 | 4939.0 | 4747.9 | 4646.6 | 4610.3 | 4587.4 |
| 5418.5  | 25°   | 5624.9  | 5749.1  | 5579.0 | 5256.1 | 4986.7 | 4698.2 | 4551.1 | 4518.6 | 4501.4 | 4484.2 |
| 5659.3  | 27.5° | 5880.9  | 5947.8  | 5607.7 | 5149.1 | 4726.9 | 4442.2 | 4388.7 | 4394.4 | 4388.7 | 4360.0 |
| 5993.6  | 30°   | 6219.1  | 6205.7  | 5634.4 | 4975.3 | 4428.8 | 4211.0 | 4214.8 | 4239.7 | 4243.5 | 4224.4 |
| 6459.8  | 32.5° | 6664.3  | 6528.6  | 5647.8 | 4749.8 | 4144.1 | 4008.5 | 4012.3 | 4039.1 | 4058.2 | 4025.7 |
| 7069.3  | 35°   | 7203.1  | 6905.0  | 5626.8 | 4467.0 | 3924.4 | 3815.5 | 3786.9 | 3794.5 | 3800.2 | 3769.7 |
| 7808.7  | 37.5° | 7831.7  | 7327.3  | 5533.2 | 4153.7 | 3742.9 | 3626.4 | 3565.2 | 3513.6 | 3483.1 | 3454.4 |
| 8645.6  | 40°   | 8521.4  | 7787.7  | 5361.2 | 3848.0 | 3540.4 | 3425.8 | 3334.0 | 3236.6 | 3133.4 | 3095.2 |
| 9532.1  | 42.5° | 9243.6  | 8261.5  | 5153.0 | 3555.7 | 3307.3 | 3213.7 | 3116.2 | 2974.8 | 2820.1 | 2741.7 |
| 10453.0 | 45°   | 9992.6  | 8746.8  | 4948.5 | 3267.2 | 3068.5 | 3028.3 | 2915.6 | 2745.6 | 2577.4 | 2478.1 |
| 11375.9 | 47.5° | 10726.3 | 9205.4  | 4648.6 | 2976.8 | 2844.9 | 2888.9 | 2801.0 | 2644.3 | 2457.1 | 2300.4 |
| 12291.1 | 50°   | 11427.5 | 9635.3  | 4157.5 | 2682.5 | 2663.4 | 2846.8 | 2762.8 | 2537.3 | 2323.3 | 2122.7 |
| 13189.1 | 52.5° | 12122.9 | 9983.0  | 3528.9 | 2415.0 | 2566.0 | 2835.4 | 2713.1 | 2464.7 | 2203.0 | 1992.8 |
| 14033.6 | 55°   | 12713.3 | 10162.6 | 2923.3 | 2185.8 | 2424.6 | 2737.9 | 2653.9 | 2378.7 | 2032.9 | 1809.4 |
| 14612.5 | 57.5° | 13049.6 | 10017.4 | 2418.9 | 1960.3 | 2229.7 | 2577.4 | 2552.6 | 2195.3 | 1830.4 | 1658.4 |
| 14725.2 | 60°   | 12904.4 | 9428.9  | 2006.2 | 1763.5 | 2044.4 | 2403.6 | 2376.8 | 2013.8 | 1675.6 | 1513.2 |
| 14121.4 | 62.5° | 12103.8 | 8307.4  | 1679.4 | 1591.6 | 1876.2 | 2225.9 | 2201.0 | 1874.3 | 1557.2 | 1400.5 |
| 12518.4 | 65°   | 10491.2 | 6757.9  | 1425.3 | 1448.3 | 1706.2 | 2011.9 | 2048.2 | 1757.8 | 1463.5 | 1310.7 |
| 9685.0  | 67.5° | 8001.7  | 4895.0  | 1226.6 | 1324.1 | 1540.0 | 1801.7 | 1906.8 | 1673.7 | 1385.2 | 1240.0 |
| 5603.9  | 70°   | 4560.7  | 2780.0  | 1058.5 | 1203.7 | 1392.8 | 1606.8 | 1797.9 | 1606.8 | 1301.1 | 1180.8 |
| 2099.8  | 72.5° | 1729.1  | 1276.3  | 915.2  | 1083.3 | 1251.5 | 1442.5 | 1677.5 | 1501.8 | 1203.7 | 1113.9 |
| 1085.2  | 75°   | 922.8   | 777.6   | 770.0  | 941.9  | 1089.1 | 1282.0 | 1526.6 | 1398.6 | 1131.1 | 1176.9 |
| 750.9   | 77.5° | 628.6   | 550.3   | 643.9  | 806.3  | 911.4  | 1104.3 | 1366.1 | 1241.9 | 980.2  | 976.3  |
| 519.7   | 80°   | 435.6   | 389.8   | 523.5  | 649.6  | 705.0  | 928.6  | 1192.2 | 1066.1 | 798.6  | 745.1  |
| 321.0   | 82.5° | 261.8   | 254.1   | 391.7  | 485.3  | 498.7  | 716.5  | 987.8  | 894.2  | 653.4  | 569.4  |
| 191.1   | 85°   | 143.3   | 150.9   | 250.3  | 284.7  | 290.4  | 500.6  | 773.8  | 691.6  | 502.5  | 422.2  |
| 68.8    | 87.5° | 40.1    | 51.6    | 91.7   | 112.7  | 139.5  | 259.8  | 460.5  | 410.8  | 252.2  | 175.8  |
| 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°   |
|--------|
| 4709.7 |
| 5055.5 |
| 5275.2 |
| 5338.3 |
| 5303.9 |
| 5223.7 |
| 5112.8 |
| 4925.6 |
| 4721.2 |
| 4591.2 |
| 4484.2 |
| 4365.8 |
| 4233.9 |
| 4041.0 |
| 3790.7 |
| 3473.5 |
| 3112.4 |
| 2751.3 |
| 2470.4 |
| 2283.2 |
| 2105.5 |
| 1969.9 |
| 1790.3 |
| 1635.5 |
| 1490.3 |
| 1375.7 |
| 1285.9 |
| 1217.1 |
| 1165.5 |
| 1098.6 |
| 1215.2 |
| 899.9  |
| 712.7  |
| 573.2  |
| 426.1  |
| 175.8  |
| 0.0    |