

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: P943567

Luminaire Tested: **GLAN-SB8A-835-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33667 lumens  
Efficiency: N/A  
Efficacy: 148.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 227.1  
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

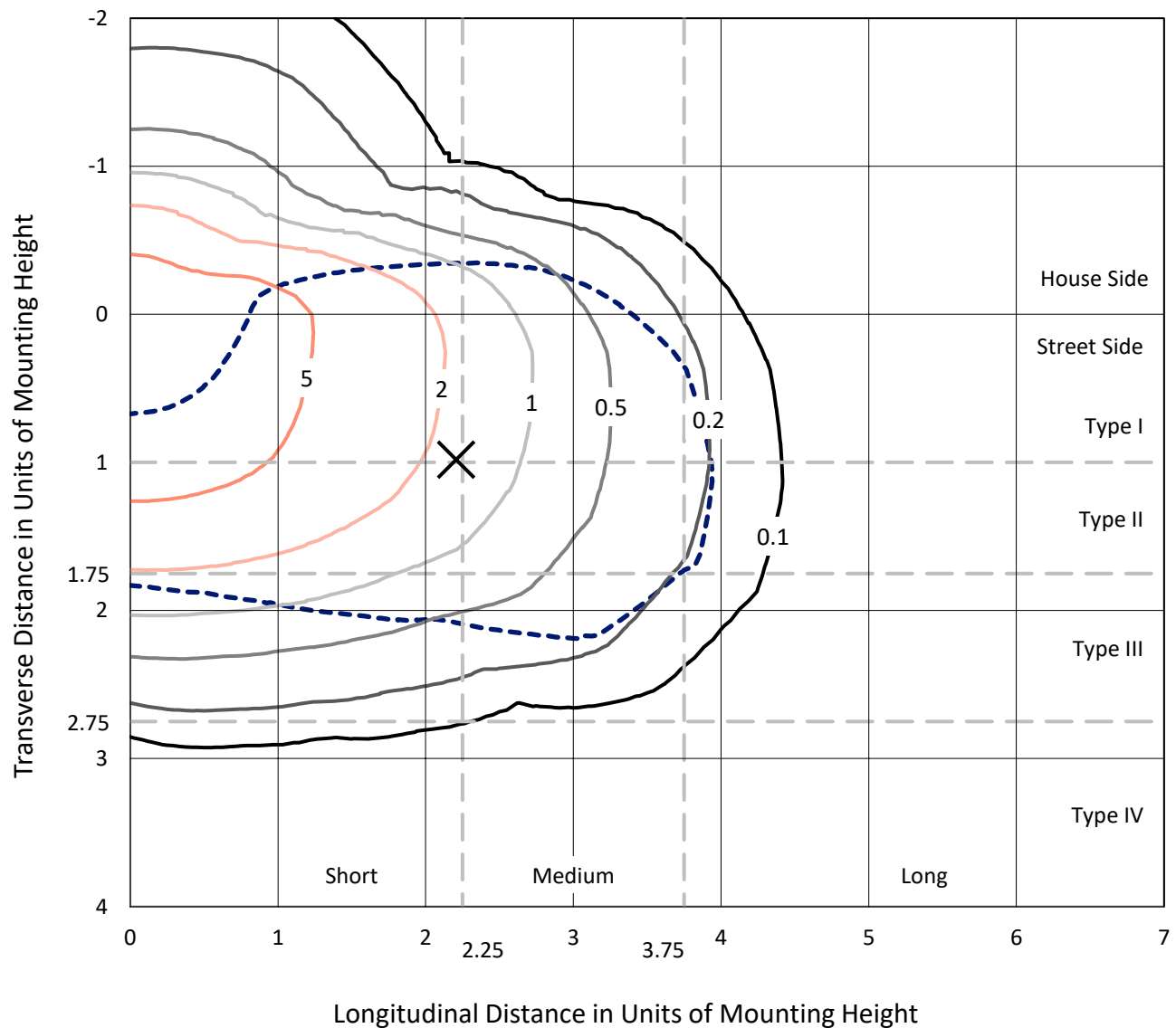


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## Iso-Footcandle Lines of Horizontal Illumination

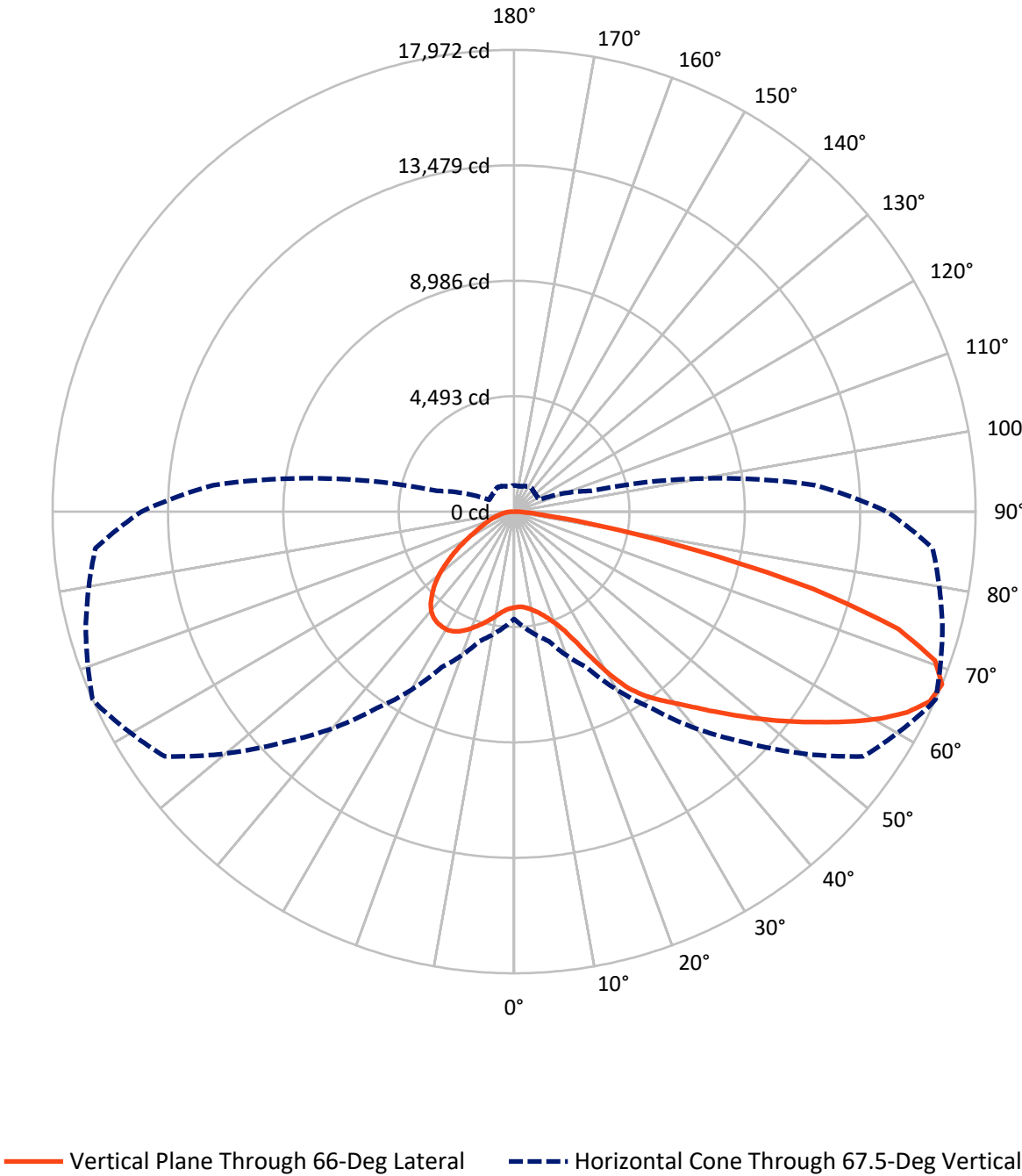
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
Type III - Short - N/A

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Luminous Intensity Polar Plot



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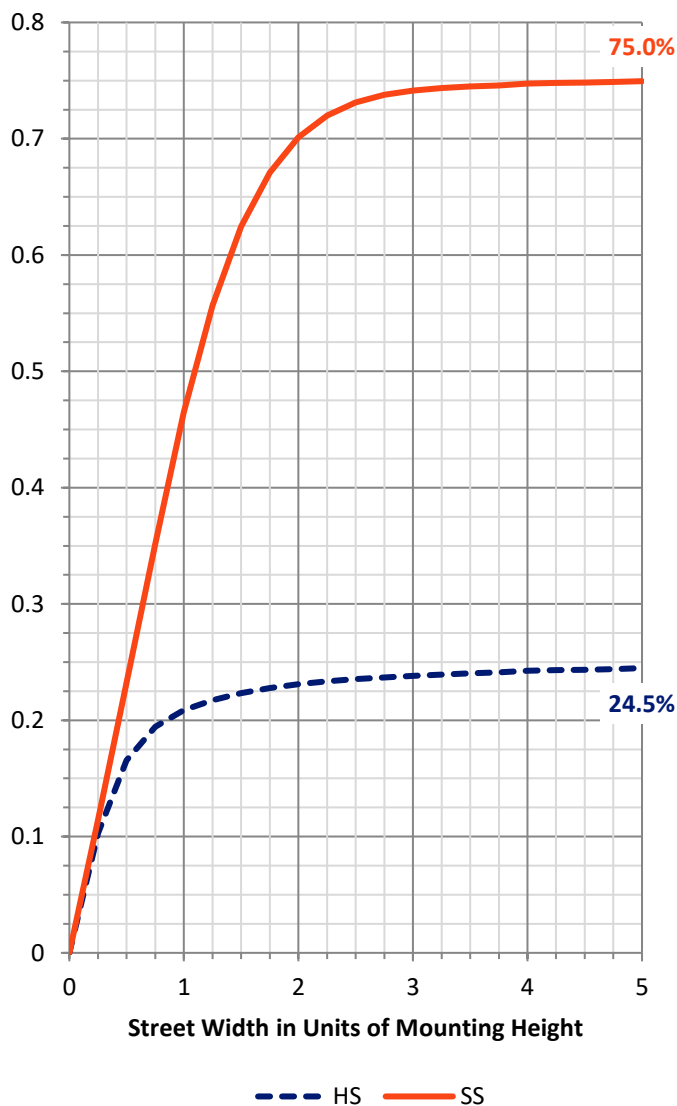
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8371.2   | 0.0    | 8371.2  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 25295.8  | 0.0    | 25295.8 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 33667.0  | 0.0    | 33667.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 370.2   | 1.1       |
| 10°-20°   | 1223.2  | 3.6       |
| 20°-30°   | 2357.6  | 7.0       |
| 30°-40°   | 4133.7  | 12.3      |
| 40°-50°   | 6145.5  | 18.3      |
| 50°-60°   | 7790.0  | 23.1      |
| 60°-70°   | 7622.3  | 22.6      |
| 70°-80°   | 3635.9  | 10.8      |
| 80°-90°   | 388.6   | 1.2       |
| 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°    | 33667.0 | 100.0     |
| 0°-180°   | 33667.0 | 100.0     |

**Coefficient of Utilization**



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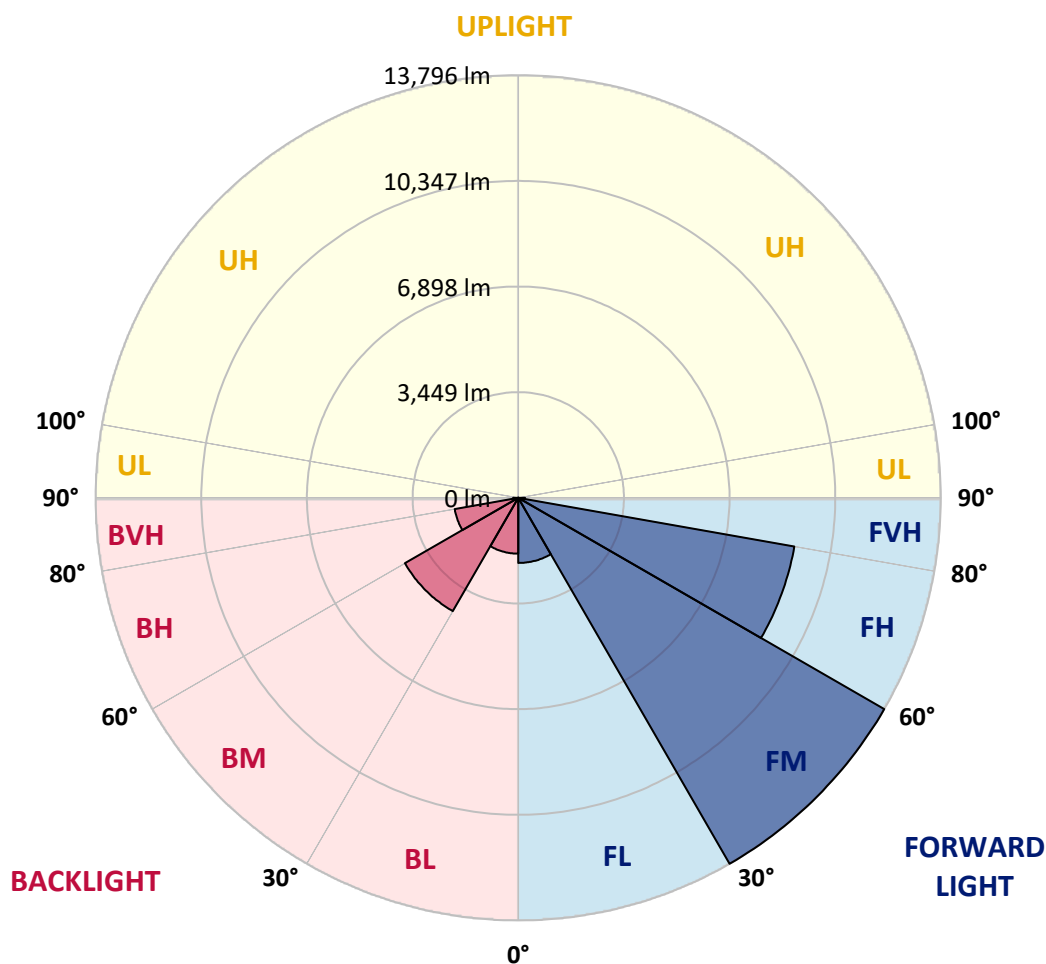
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2127.4  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 13796.4 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 9151.6  | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 220.3   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1823.6  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4272.8  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2106.6  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 168.3   | 0.5       |                         |      | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3734.1  | 3734.1  | 3734.1  | 3734.1  | 3734.1  | 3734.1  | 3734.1  | 3734.1  | 3734.1  | 3734.1  |
| 2.5°  | 3695.2  | 3716.4  | 3711.1  | 3702.3  | 3700.5  | 3704.0  | 3709.4  | 3714.7  | 3712.9  | 3721.7  |
| 5°    | 3684.6  | 3705.8  | 3704.0  | 3704.0  | 3711.1  | 3725.3  | 3734.1  | 3743.0  | 3734.1  | 3744.7  |
| 7.5°  | 3691.7  | 3707.6  | 3714.7  | 3721.7  | 3739.4  | 3766.0  | 3787.2  | 3806.6  | 3796.0  | 3808.4  |
| 10°   | 3781.9  | 3794.3  | 3801.3  | 3801.3  | 3813.7  | 3843.8  | 3865.0  | 3900.4  | 3891.5  | 3911.0  |
| 12.5° | 3946.4  | 3958.8  | 3958.8  | 3951.7  | 3960.5  | 3980.0  | 3987.1  | 4026.0  | 4010.1  | 4041.9  |
| 15°   | 4148.0  | 4172.8  | 4153.3  | 4141.0  | 4144.5  | 4164.0  | 4162.2  | 4192.3  | 4176.3  | 4202.9  |
| 17.5° | 4370.9  | 4402.8  | 4370.9  | 4369.1  | 4362.1  | 4383.3  | 4385.1  | 4411.6  | 4383.3  | 4402.8  |
| 20°   | 4634.5  | 4678.7  | 4652.2  | 4661.0  | 4645.1  | 4653.9  | 4662.8  | 4701.7  | 4657.5  | 4671.6  |
| 22.5° | 5005.9  | 5059.0  | 5030.7  | 5064.3  | 5053.7  | 5046.6  | 5044.9  | 5113.8  | 5044.9  | 5050.2  |
| 25°   | 5547.2  | 5610.9  | 5561.4  | 5607.4  | 5607.4  | 5630.4  | 5656.9  | 5745.3  | 5630.4  | 5596.8  |
| 27.5° | 6346.8  | 6410.4  | 6313.1  | 6341.5  | 6332.6  | 6389.2  | 6360.9  | 6580.3  | 6456.4  | 6401.6  |
| 30°   | 7309.0  | 7422.2  | 7238.3  | 7231.2  | 7222.4  | 7312.6  | 7353.3  | 7498.3  | 7372.7  | 7317.9  |
| 32.5° | 8349.1  | 8467.7  | 8248.3  | 8184.6  | 8151.0  | 8205.9  | 8172.2  | 8289.0  | 8202.3  | 8117.4  |
| 35°   | 9449.4  | 9566.1  | 9357.4  | 9233.6  | 9099.1  | 8984.2  | 8863.9  | 8894.0  | 8812.6  | 8683.5  |
| 37.5° | 10489.5 | 10703.5 | 10482.4 | 10349.7 | 10102.1 | 9877.5  | 9541.4  | 9401.6  | 9325.6  | 9207.0  |
| 40°   | 11549.0 | 11671.1 | 11503.1 | 11389.8 | 11121.0 | 10769.0 | 10231.2 | 9935.8  | 9833.2  | 9718.3  |
| 42.5° | 12329.1 | 12445.9 | 12355.7 | 12277.8 | 12067.3 | 11658.7 | 10963.5 | 10593.8 | 10445.3 | 10316.1 |
| 45°   | 12948.2 | 13034.9 | 12978.3 | 13006.6 | 12916.4 | 12520.2 | 11722.4 | 11299.6 | 11145.7 | 10988.3 |
| 47.5° | 13197.6 | 13289.6 | 13379.8 | 13547.9 | 13701.8 | 13409.9 | 12537.9 | 12063.8 | 11901.1 | 11740.1 |
| 50°   | 13169.3 | 13263.1 | 13524.9 | 13882.2 | 14359.8 | 14262.5 | 13397.5 | 12877.5 | 12727.1 | 12543.2 |
| 52.5° | 12942.9 | 13049.1 | 13385.1 | 13979.5 | 14740.1 | 14901.1 | 14273.1 | 13717.7 | 13576.2 | 13356.8 |
| 55°   | 12348.6 | 12412.3 | 12916.4 | 13758.4 | 14830.3 | 15346.8 | 15131.0 | 14612.8 | 14471.2 | 14165.2 |
| 57.5° | 11246.6 | 11338.5 | 12072.6 | 13162.3 | 14603.9 | 15649.3 | 15884.6 | 15553.8 | 15417.6 | 14977.1 |
| 60°   | 9808.5  | 9955.3  | 10795.5 | 12161.1 | 14027.3 | 15647.6 | 16569.1 | 16478.9 | 16365.7 | 15776.7 |
| 62.5° | 8181.1  | 8350.9  | 9159.3  | 10746.0 | 13019.0 | 15203.6 | 16997.2 | 17253.7 | 17195.3 | 16514.3 |
| 65°   | 6283.1  | 6399.8  | 7204.7  | 8915.2  | 11450.0 | 14250.1 | 17046.7 | 17782.6 | 17793.2 | 17075.0 |
| 67.5° | 4183.4  | 4519.5  | 5218.2  | 6689.9  | 9348.6  | 12691.7 | 16611.6 | 17869.3 | 17971.9 | 17267.9 |
| 70°   | 2041.3  | 2483.5  | 3168.1  | 4347.9  | 6689.9  | 10302.0 | 15474.2 | 17158.2 | 17386.4 | 16705.3 |
| 72.5° | 847.3   | 990.6   | 1363.8  | 2145.7  | 3840.2  | 6951.7  | 13188.8 | 15230.1 | 15652.9 | 14802.0 |
| 75°   | 571.3   | 619.1   | 780.1   | 1100.2  | 1749.4  | 3428.1  | 9511.3  | 11356.2 | 12037.3 | 11179.4 |
| 77.5° | 440.5   | 470.5   | 567.8   | 769.5   | 1040.1  | 1296.6  | 5090.8  | 6843.8  | 7195.8  | 6661.6  |
| 80°   | 346.7   | 369.7   | 424.5   | 560.7   | 737.6   | 693.4   | 1735.3  | 3100.9  | 3304.3  | 2771.8  |
| 82.5° | 300.7   | 309.6   | 304.2   | 380.3   | 490.0   | 405.1   | 569.6   | 1144.5  | 1263.0  | 916.3   |
| 85°   | 217.6   | 242.3   | 253.0   | 235.3   | 260.0   | 205.2   | 233.5   | 405.1   | 445.8   | 398.0   |
| 87.5° | 88.4    | 130.9   | 161.0   | 152.1   | 95.5    | 58.4    | 72.5    | 118.5   | 136.2   | 148.6   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3734.1  | 0°    | 3734.1  | 3734.1  | 3734.1 | 3734.1 | 3734.1 | 3734.1 | 3734.1 | 3734.1 | 3734.1 | 3734.1 |
| 3735.9  | 2.5°  | 3737.7  | 3750.0  | 3758.9 | 3769.5 | 3776.6 | 3787.2 | 3808.4 | 3820.8 | 3822.6 | 3831.4 |
| 3764.2  | 5°    | 3771.3  | 3789.0  | 3808.4 | 3836.7 | 3868.6 | 3895.1 | 3935.8 | 3964.1 | 3974.7 | 3983.5 |
| 3833.2  | 7.5°  | 3843.8  | 3868.6  | 3903.9 | 3953.5 | 3999.4 | 4034.8 | 4084.4 | 4118.0 | 4151.6 | 4164.0 |
| 3942.8  | 10°   | 3951.7  | 3987.1  | 4038.4 | 4105.6 | 4155.1 | 4201.1 | 4252.4 | 4280.7 | 4314.3 | 4328.5 |
| 4073.7  | 12.5° | 4086.1  | 4123.3  | 4190.5 | 4284.2 | 4330.2 | 4362.1 | 4379.8 | 4372.7 | 4379.8 | 4392.1 |
| 4231.2  | 15°   | 4240.0  | 4280.7  | 4356.8 | 4457.6 | 4489.4 | 4461.1 | 4422.2 | 4386.8 | 4381.5 | 4385.1 |
| 4422.2  | 17.5° | 4422.2  | 4452.3  | 4540.7 | 4625.6 | 4602.6 | 4485.9 | 4401.0 | 4344.4 | 4316.1 | 4307.2 |
| 4666.3  | 20°   | 4676.9  | 4676.9  | 4749.5 | 4802.5 | 4648.6 | 4450.5 | 4317.8 | 4225.9 | 4167.5 | 4142.7 |
| 4998.9  | 22.5° | 4986.5  | 4958.2  | 5004.2 | 4967.0 | 4639.8 | 4351.5 | 4167.5 | 4008.3 | 3919.8 | 3884.5 |
| 5464.1  | 25°   | 5379.2  | 5345.6  | 5333.2 | 5103.2 | 4576.1 | 4194.0 | 3895.1 | 3702.3 | 3624.4 | 3605.0 |
| 6134.5  | 27.5° | 5971.8  | 5886.8  | 5725.9 | 5177.5 | 4459.4 | 3946.4 | 3576.7 | 3398.0 | 3353.8 | 3355.6 |
| 6995.9  | 30°   | 6760.7  | 6590.9  | 6196.4 | 5189.9 | 4268.3 | 3596.1 | 3251.2 | 3123.9 | 3102.6 | 3111.5 |
| 7719.4  | 32.5° | 7491.2  | 7330.3  | 6677.5 | 5133.3 | 3974.7 | 3253.0 | 2959.3 | 2874.4 | 2842.6 | 2853.2 |
| 8271.3  | 35°   | 8064.3  | 8020.1  | 7123.3 | 5053.7 | 3613.8 | 2931.0 | 2697.5 | 2625.0 | 2563.1 | 2549.0 |
| 8791.4  | 37.5° | 8605.6  | 8587.9  | 7457.6 | 4942.3 | 3256.5 | 2702.9 | 2487.1 | 2391.5 | 2301.3 | 2251.8 |
| 9366.2  | 40°   | 9200.0  | 9182.3  | 7677.0 | 4770.7 | 2939.9 | 2504.7 | 2297.8 | 2172.2 | 2060.8 | 1970.5 |
| 10017.2 | 42.5° | 9868.6  | 9764.2  | 7781.3 | 4524.8 | 2671.0 | 2336.7 | 2143.9 | 1974.1 | 1827.3 | 1744.1 |
| 10753.0 | 45°   | 10599.2 | 10363.9 | 7779.6 | 4211.7 | 2444.6 | 2182.8 | 1979.4 | 1738.8 | 1602.6 | 1524.8 |
| 11508.4 | 47.5° | 11373.9 | 10937.0 | 7684.0 | 3865.0 | 2225.3 | 2013.0 | 1724.7 | 1540.7 | 1450.5 | 1402.7 |
| 12329.1 | 50°   | 12173.5 | 11473.0 | 7521.3 | 3467.0 | 2000.6 | 1820.2 | 1565.5 | 1439.9 | 1370.9 | 1326.7 |
| 13142.8 | 52.5° | 12925.2 | 11959.4 | 7325.0 | 3015.9 | 1772.4 | 1632.7 | 1494.7 | 1397.4 | 1324.9 | 1275.4 |
| 13931.7 | 55°   | 13623.9 | 12378.7 | 7047.2 | 2554.3 | 1586.7 | 1507.1 | 1461.1 | 1379.7 | 1296.6 | 1238.2 |
| 14733.0 | 57.5° | 14244.8 | 12651.1 | 6567.9 | 2120.9 | 1454.0 | 1420.4 | 1425.7 | 1349.7 | 1254.1 | 1204.6 |
| 15522.0 | 60°   | 14761.3 | 12850.9 | 5858.5 | 1719.4 | 1346.1 | 1335.5 | 1370.9 | 1293.1 | 1181.6 | 1125.0 |
| 16188.8 | 62.5° | 15070.9 | 12847.4 | 4988.3 | 1408.0 | 1254.1 | 1257.7 | 1298.4 | 1222.3 | 1109.1 | 1056.0 |
| 16537.3 | 65°   | 15044.4 | 12532.5 | 4033.1 | 1204.6 | 1165.7 | 1169.2 | 1222.3 | 1144.5 | 1048.9 | 1017.1 |
| 16362.2 | 67.5° | 14511.9 | 11764.9 | 3093.8 | 1071.9 | 1068.4 | 1084.3 | 1146.2 | 1091.4 | 1011.8 | 1008.3 |
| 15318.5 | 70°   | 13070.3 | 10171.1 | 2228.8 | 965.8  | 967.6  | 990.6  | 1071.9 | 1057.8 | 992.3  | 999.4  |
| 12879.2 | 72.5° | 10480.6 | 7754.8  | 1496.5 | 854.4  | 856.1  | 893.3  | 1001.2 | 1031.3 | 972.9  | 1066.6 |
| 9138.1  | 75°   | 6980.0  | 4836.1  | 962.3  | 735.9  | 737.6  | 785.4  | 939.3  | 980.0  | 919.8  | 1063.1 |
| 4754.8  | 77.5° | 3353.8  | 2174.0  | 696.9  | 619.1  | 619.1  | 663.3  | 811.9  | 877.4  | 783.6  | 826.1  |
| 1528.3  | 80°   | 1158.6  | 817.2   | 548.4  | 498.8  | 488.2  | 518.3  | 684.6  | 760.6  | 675.7  | 622.6  |
| 498.8   | 82.5° | 456.4   | 424.5   | 440.5  | 387.4  | 352.0  | 371.5  | 532.4  | 628.0  | 497.1  | 449.3  |
| 281.3   | 85°   | 261.8   | 275.9   | 311.3  | 256.5  | 203.4  | 228.2  | 390.9  | 451.1  | 375.0  | 330.8  |
| 92.0    | 87.5° | 70.8    | 97.3    | 143.3  | 132.7  | 92.0   | 97.3   | 185.7  | 249.4  | 215.8  | 166.3  |
| 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°   |
|--------|
| 3734.1 |
| 3829.6 |
| 3981.8 |
| 4165.7 |
| 4335.5 |
| 4395.7 |
| 4397.4 |
| 4319.6 |
| 4137.4 |
| 3879.2 |
| 3608.5 |
| 3360.9 |
| 3141.5 |
| 2867.4 |
| 2559.6 |
| 2253.6 |
| 1979.4 |
| 1749.4 |
| 1521.2 |
| 1392.1 |
| 1310.7 |
| 1254.1 |
| 1215.2 |
| 1172.8 |
| 1100.2 |
| 1040.1 |
| 1015.3 |
| 1013.6 |
| 997.7  |
| 1080.8 |
| 1071.9 |
| 757.1  |
| 583.7  |
| 447.5  |
| 337.9  |
| 171.6  |
| 0.0    |