

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: P956273

Luminaire Tested: **GLAN-SB9A-722-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-722-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25999 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 255.5  
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



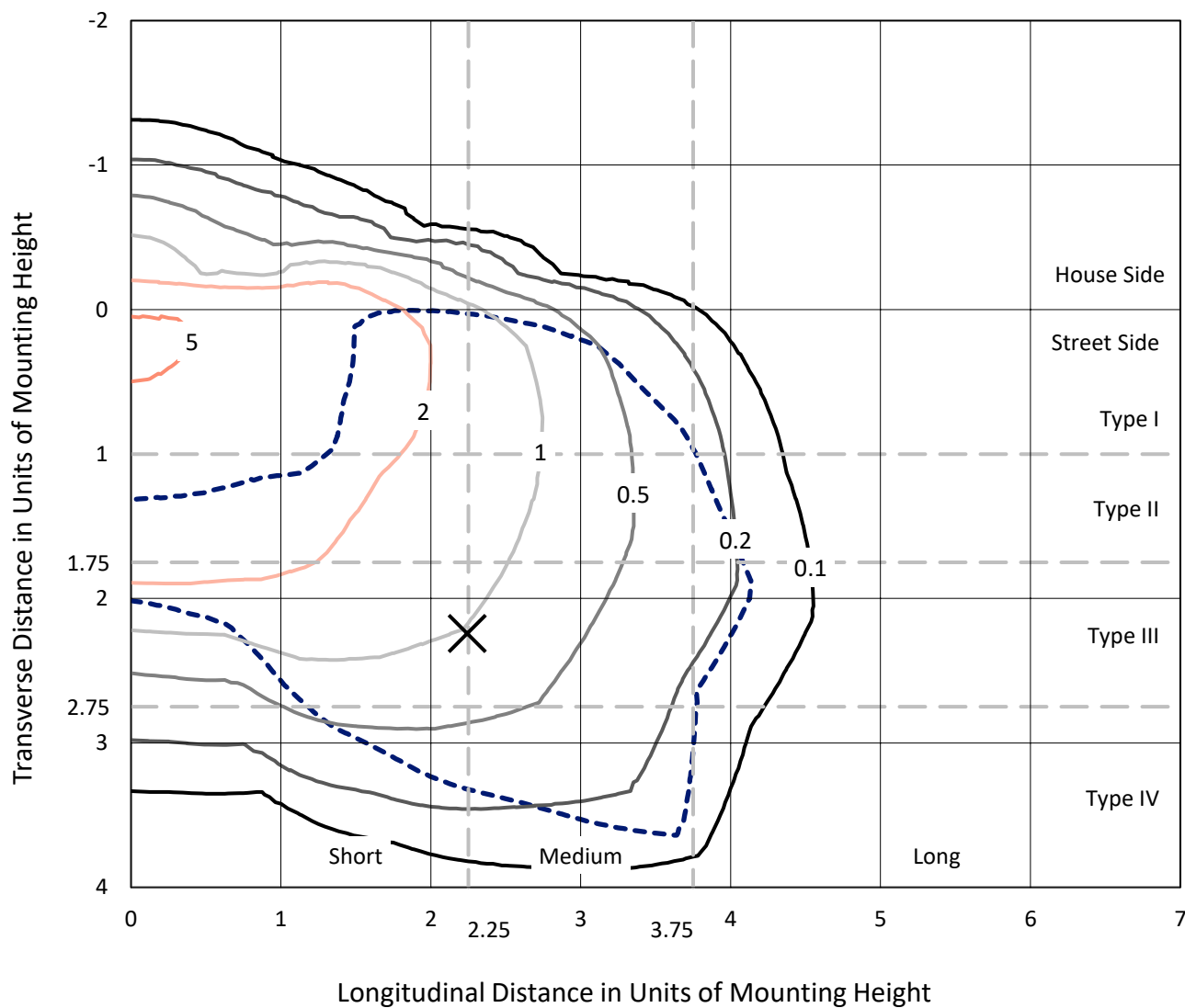
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

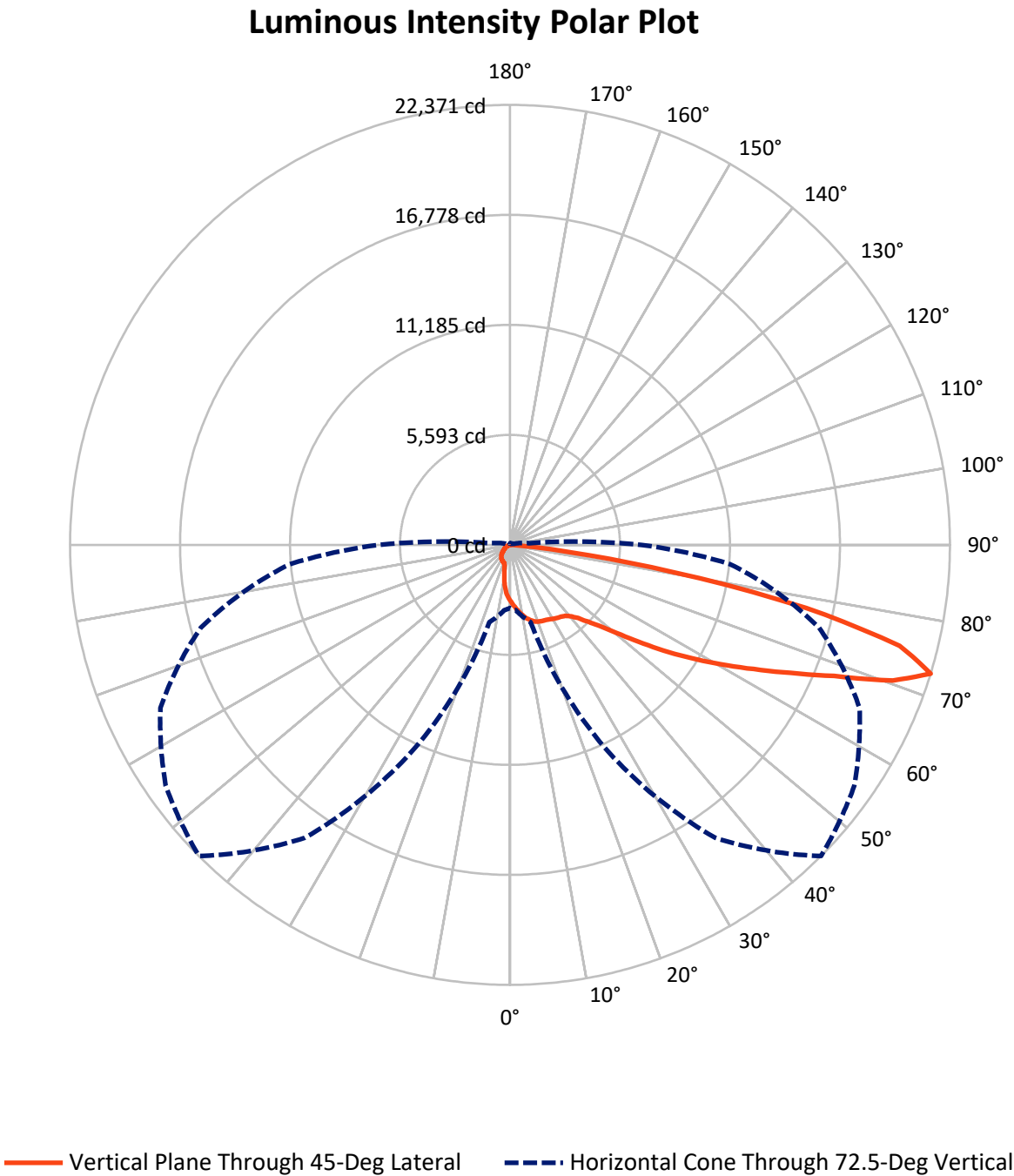
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc

Type IV - Short - N/A

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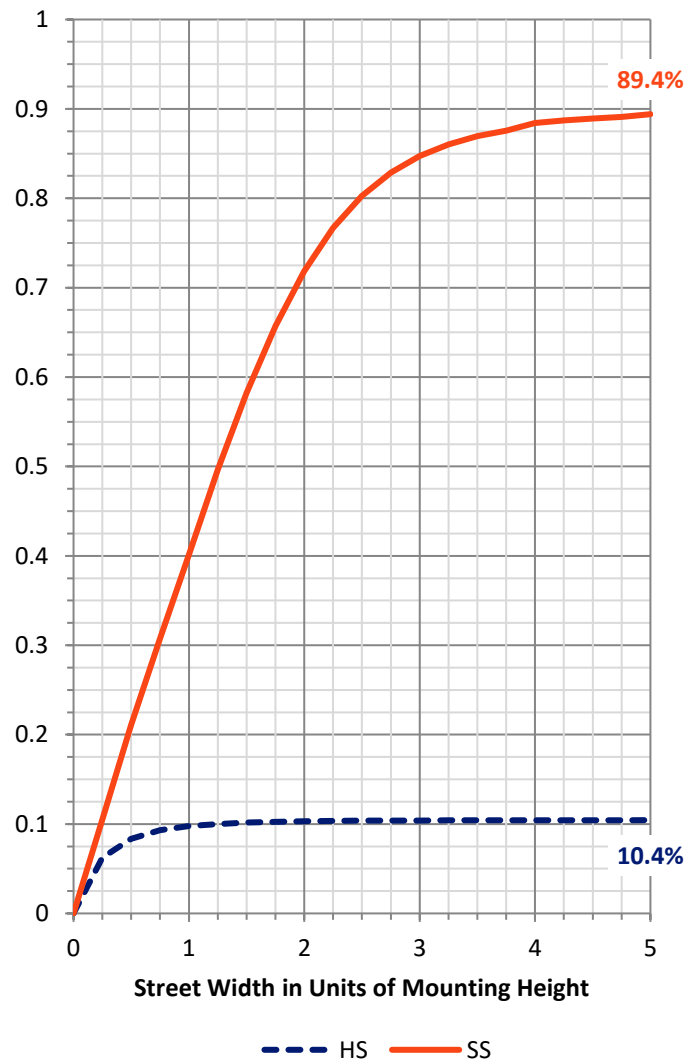
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2731.8   | 0.0    | 2731.8  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 23267.2  | 0.0    | 23267.2 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 25999.0  | 0.0    | 25999.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 268.4   | 1.0       |
| 10°-20°   | 784.3   | 3.0       |
| 20°-30°   | 1288.0  | 5.0       |
| 30°-40°   | 1826.6  | 7.0       |
| 40°-50°   | 3019.2  | 11.6      |
| 50°-60°   | 5423.7  | 20.9      |
| 60°-70°   | 7531.1  | 29.0      |
| 70°-80°   | 5462.8  | 21.0      |
| 80°-90°   | 394.9   | 1.5       |
| 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°    | 25999.0 | 100.0     |
| 0°-180°   | 25999.0 | 100.0     |

**Coefficient of Utilization**



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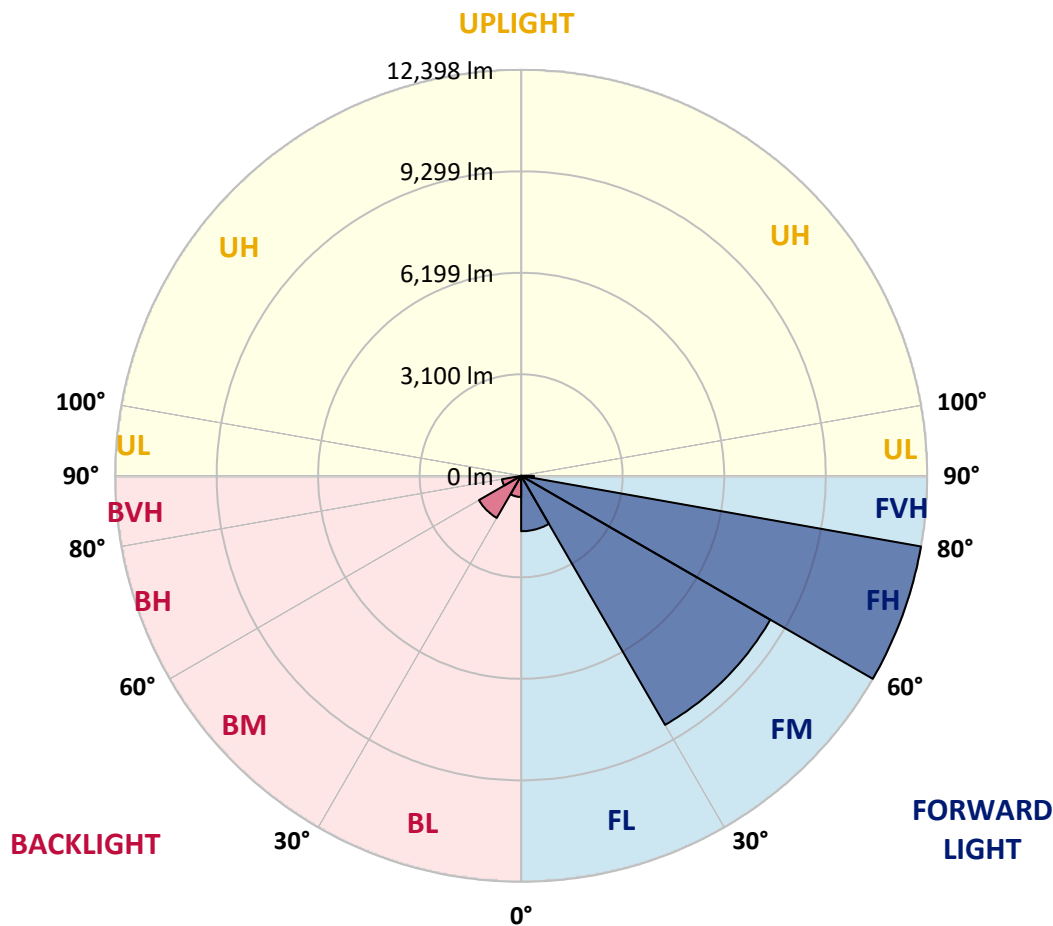
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1693.6  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 8783.8  | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 12398.2 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 391.6   | 1.5       |                         |      | G3/500  |
| BL   | (0°-30°)    | 647.0   | 2.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1485.7  | 5.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 595.7   | 2.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 3.3     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2848.2  | 2848.2  | 2848.2  | 2848.2  | 2848.2  | 2848.2  | 2848.2  | 2848.2  | 2848.2  | 2848.2  |
| 2.5°  | 3110.9  | 3116.2  | 3112.7  | 3091.4  | 3055.9  | 3036.4  | 3025.7  | 2990.2  | 2967.1  | 2926.3  |
| 5°    | 3396.6  | 3417.9  | 3405.5  | 3362.9  | 3295.4  | 3247.5  | 3233.3  | 3160.6  | 3094.9  | 3018.6  |
| 7.5°  | 3700.1  | 3710.7  | 3687.6  | 3632.6  | 3542.1  | 3460.5  | 3448.1  | 3346.9  | 3242.2  | 3125.1  |
| 10°   | 3962.7  | 3975.1  | 3939.6  | 3859.8  | 3756.8  | 3655.7  | 3637.9  | 3526.1  | 3401.9  | 3258.2  |
| 12.5° | 4182.8  | 4195.2  | 4149.0  | 4053.2  | 3939.6  | 3834.9  | 3817.2  | 3700.1  | 3563.4  | 3403.7  |
| 15°   | 4349.6  | 4372.6  | 4310.5  | 4207.6  | 4085.1  | 3980.4  | 3971.6  | 3856.2  | 3723.1  | 3545.7  |
| 17.5° | 4447.2  | 4470.2  | 4411.7  | 4287.5  | 4182.8  | 4094.0  | 4083.4  | 3987.5  | 3863.3  | 3693.0  |
| 20°   | 4463.1  | 4484.4  | 4422.3  | 4314.1  | 4227.1  | 4156.1  | 4150.8  | 4081.6  | 3991.1  | 3827.8  |
| 22.5° | 4415.2  | 4441.8  | 4385.1  | 4298.1  | 4237.8  | 4200.5  | 4193.4  | 4154.4  | 4102.9  | 3964.5  |
| 25°   | 4365.5  | 4386.8  | 4344.2  | 4267.9  | 4236.0  | 4232.4  | 4237.8  | 4230.7  | 4220.0  | 4102.9  |
| 27.5° | 4362.0  | 4385.1  | 4337.1  | 4264.4  | 4246.6  | 4283.9  | 4289.2  | 4322.9  | 4331.8  | 4228.9  |
| 30°   | 4392.2  | 4408.1  | 4362.0  | 4285.7  | 4276.8  | 4362.0  | 4363.8  | 4424.1  | 4438.3  | 4335.4  |
| 32.5° | 4457.8  | 4475.6  | 4429.4  | 4317.6  | 4305.2  | 4424.1  | 4429.4  | 4509.3  | 4532.3  | 4448.9  |
| 35°   | 4612.2  | 4633.5  | 4580.3  | 4406.4  | 4362.0  | 4482.7  | 4498.6  | 4592.7  | 4638.8  | 4569.6  |
| 37.5° | 4997.3  | 4935.2  | 4862.4  | 4585.6  | 4491.5  | 4574.9  | 4601.6  | 4711.6  | 4793.2  | 4713.4  |
| 40°   | 5953.8  | 5758.6  | 5531.5  | 4890.8  | 4718.7  | 4771.9  | 4793.2  | 4903.2  | 5015.0  | 4937.0  |
| 42.5° | 7389.5  | 7158.8  | 6793.2  | 5593.6  | 5061.2  | 5087.8  | 5103.8  | 5199.6  | 5357.5  | 5295.4  |
| 45°   | 8669.0  | 8585.6  | 8212.9  | 6793.2  | 5701.8  | 5570.5  | 5590.0  | 5639.7  | 5872.2  | 5849.1  |
| 47.5° | 9652.1  | 9604.2  | 9316.7  | 8170.3  | 6784.3  | 6161.4  | 6216.5  | 6239.5  | 6574.9  | 6656.6  |
| 50°   | 10408.1 | 10390.3 | 10133.0 | 9394.8  | 8198.7  | 7032.8  | 7052.3  | 7002.6  | 7504.8  | 7707.1  |
| 52.5° | 11121.5 | 11181.8 | 10991.9 | 10532.3 | 9708.9  | 8173.8  | 8170.3  | 7936.0  | 8613.9  | 8919.2  |
| 55°   | 11765.7 | 11786.9 | 11806.5 | 11692.9 | 11227.9 | 9472.9  | 9439.1  | 9055.8  | 9900.5  | 10216.4 |
| 57.5° | 12370.8 | 12379.7 | 12553.6 | 12786.1 | 12809.1 | 10867.7 | 10805.6 | 10346.0 | 11306.0 | 11531.4 |
| 60°   | 12777.2 | 12818.0 | 13185.3 | 13831.3 | 14113.5 | 12306.9 | 12273.2 | 11804.7 | 12736.4 | 12841.1 |
| 62.5° | 12191.6 | 12440.0 | 13366.3 | 14647.6 | 15345.0 | 13902.3 | 13886.3 | 13446.2 | 14241.2 | 14156.0 |
| 65°   | 9868.6  | 10289.2 | 11918.3 | 15199.5 | 16553.5 | 15684.0 | 15707.1 | 15238.6 | 15786.9 | 15510.1 |
| 67.5° | 6903.2  | 7346.9  | 9274.1  | 15243.9 | 17904.0 | 17776.2 | 17909.3 | 17174.7 | 17428.4 | 16807.3 |
| 70°   | 4773.7  | 5002.6  | 6257.3  | 14289.1 | 18956.4 | 20658.2 | 20654.7 | 19552.6 | 19061.1 | 17398.3 |
| 72.5° | 3210.3  | 3329.2  | 4063.9  | 11336.2 | 18182.6 | 22370.7 | 22267.8 | 21369.8 | 19611.2 | 16271.4 |
| 75°   | 1354.0  | 1441.0  | 1881.1  | 6370.8  | 14385.0 | 20466.6 | 20187.9 | 18885.4 | 17424.9 | 12812.7 |
| 77.5° | 429.5   | 466.7   | 741.8   | 2280.4  | 7923.6  | 15384.1 | 15089.5 | 11794.0 | 11678.7 | 6427.6  |
| 80°   | 204.1   | 237.8   | 417.0   | 915.7   | 3118.0  | 8367.3  | 8326.5  | 5350.4  | 5023.9  | 1735.6  |
| 82.5° | 88.7    | 104.7   | 230.7   | 489.8   | 1394.8  | 2984.9  | 3045.2  | 1820.7  | 1506.6  | 658.4   |
| 85°   | 28.4    | 37.3    | 106.5   | 225.4   | 589.2   | 741.8   | 732.9   | 433.0   | 606.9   | 358.5   |
| 87.5° | 0.0     | 0.0     | 35.5    | 51.5    | 60.3    | 42.6    | 47.9    | 37.3    | 168.6   | 99.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2848.2  | 0°    | 2848.2  | 2848.2 | 2848.2 | 2848.2 | 2848.2 | 2848.2 | 2848.2 | 2848.2 | 2848.2 | 2848.2 |
| 2883.7  | 2.5°  | 2862.4  | 2834.0 | 2784.4 | 2738.2 | 2697.4 | 2656.6 | 2631.7 | 2596.3 | 2592.7 | 2592.7 |
| 2929.9  | 5°    | 2882.0  | 2835.8 | 2747.1 | 2653.0 | 2544.8 | 2441.9 | 2338.9 | 2239.6 | 2207.6 | 2184.5 |
| 3004.4  | 7.5°  | 2938.8  | 2866.0 | 2725.8 | 2546.6 | 2340.7 | 2115.3 | 1957.4 | 1787.0 | 1721.4 | 1685.9 |
| 3103.8  | 10°   | 3020.4  | 2921.0 | 2708.1 | 2393.9 | 2060.3 | 1753.3 | 1527.9 | 1343.4 | 1272.4 | 1242.2 |
| 3212.0  | 12.5° | 3110.9  | 2988.4 | 2676.1 | 2204.1 | 1753.3 | 1386.0 | 1165.9 | 1080.7 | 1070.1 | 1070.1 |
| 3341.6  | 15°   | 3219.1  | 3070.1 | 2621.1 | 1980.5 | 1432.1 | 1096.7 | 1018.6 | 1022.2 | 1032.8 | 1039.9 |
| 3467.6  | 17.5° | 3330.9  | 3157.0 | 2534.1 | 1730.2 | 1148.2 | 986.7  | 988.5  | 993.8  | 1002.7 | 1009.8 |
| 3604.2  | 20°   | 3451.6  | 3244.0 | 2418.8 | 1464.1 | 984.9  | 954.7  | 960.1  | 965.4  | 972.5  | 976.0  |
| 3732.0  | 22.5° | 3581.2  | 3325.6 | 2282.1 | 1203.2 | 929.9  | 928.1  | 929.9  | 935.2  | 944.1  | 944.1  |
| 3881.1  | 25°   | 3719.6  | 3416.1 | 2126.0 | 1013.3 | 901.5  | 901.5  | 905.1  | 908.6  | 915.7  | 915.7  |
| 4024.8  | 27.5° | 3861.5  | 3499.5 | 1960.9 | 913.9  | 876.7  | 874.9  | 874.9  | 880.2  | 883.8  | 885.5  |
| 4166.8  | 30°   | 4017.7  | 3597.1 | 1795.9 | 892.6  | 857.1  | 848.3  | 842.9  | 846.5  | 850.0  | 851.8  |
| 4315.8  | 32.5° | 4177.4  | 3691.2 | 1648.6 | 901.5  | 837.6  | 821.6  | 803.9  | 800.3  | 800.3  | 807.4  |
| 4470.2  | 35°   | 4354.9  | 3794.1 | 1535.0 | 931.7  | 827.0  | 782.6  | 754.2  | 738.2  | 740.0  | 750.7  |
| 4654.8  | 37.5° | 4567.8  | 3918.3 | 1451.6 | 958.3  | 819.9  | 738.2  | 692.1  | 672.6  | 660.2  | 672.6  |
| 4908.6  | 40°   | 4846.5  | 4101.1 | 1391.3 | 979.6  | 811.0  | 686.8  | 624.7  | 592.7  | 569.6  | 576.7  |
| 5302.5  | 42.5° | 5256.4  | 4388.6 | 1368.2 | 981.4  | 791.5  | 626.4  | 555.5  | 512.9  | 479.1  | 480.9  |
| 5895.2  | 45°   | 5831.4  | 4842.9 | 1487.1 | 958.3  | 748.9  | 560.8  | 482.7  | 425.9  | 404.6  | 399.3  |
| 6780.8  | 47.5° | 6619.3  | 5504.8 | 1762.2 | 910.4  | 686.8  | 496.9  | 411.7  | 363.8  | 347.8  | 339.0  |
| 7943.1  | 50°   | 7675.2  | 6354.9 | 2067.4 | 857.1  | 624.7  | 436.6  | 353.1  | 323.0  | 312.3  | 303.5  |
| 9322.0  | 52.5° | 8899.7  | 7217.3 | 2317.6 | 803.9  | 562.6  | 383.3  | 315.9  | 298.1  | 289.3  | 282.2  |
| 10653.0 | 55°   | 10023.0 | 7811.8 | 2303.4 | 747.1  | 502.2  | 340.7  | 289.3  | 278.6  | 268.0  | 260.9  |
| 11799.4 | 57.5° | 10722.2 | 7895.2 | 1898.8 | 685.0  | 433.0  | 307.0  | 264.4  | 257.3  | 244.9  | 236.0  |
| 12791.4 | 60°   | 11043.4 | 7419.6 | 1331.0 | 603.4  | 363.8  | 275.1  | 237.8  | 234.2  | 218.3  | 205.9  |
| 13730.1 | 62.5° | 11101.9 | 6535.9 | 887.3  | 502.2  | 303.5  | 244.9  | 211.2  | 205.9  | 184.6  | 163.3  |
| 14493.2 | 65°   | 10864.1 | 5272.4 | 614.0  | 392.2  | 259.1  | 213.0  | 181.0  | 170.4  | 147.3  | 126.0  |
| 14674.2 | 67.5° | 10111.7 | 3701.8 | 427.7  | 282.2  | 220.1  | 168.6  | 143.7  | 140.2  | 122.4  | 104.7  |
| 13751.4 | 70°   | 8732.8  | 2110.0 | 285.7  | 211.2  | 173.9  | 115.3  | 113.6  | 117.1  | 99.4   | 85.2   |
| 11235.0 | 72.5° | 6695.6  | 965.4  | 177.5  | 154.4  | 118.9  | 78.1   | 90.5   | 92.3   | 76.3   | 63.9   |
| 7009.7  | 75°   | 3941.4  | 413.5  | 111.8  | 99.4   | 60.3   | 51.5   | 65.7   | 67.4   | 51.5   | 40.8   |
| 2562.5  | 77.5° | 1341.6  | 156.2  | 71.0   | 58.6   | 30.2   | 28.4   | 42.6   | 42.6   | 28.4   | 16.0   |
| 514.6   | 80°   | 305.2   | 58.6   | 35.5   | 23.1   | 14.2   | 12.4   | 14.2   | 12.4   | 7.1    | 1.8    |
| 157.9   | 82.5° | 87.0    | 23.1   | 14.2   | 8.9    | 5.3    | 5.3    | 1.8    | 0.0    | 0.0    | 0.0    |
| 55.0    | 85°   | 24.8    | 10.6   | 3.5    | 3.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 19.5    | 87.5° | 10.6    | 1.8    | 0.0    | 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°   |
|--------|
| 2848.2 |
| 2601.6 |
| 2195.2 |
| 1691.2 |
| 1242.2 |
| 1070.1 |
| 1039.9 |
| 1009.8 |
| 977.8  |
| 947.6  |
| 917.5  |
| 887.3  |
| 855.4  |
| 812.8  |
| 756.0  |
| 669.0  |
| 573.2  |
| 473.8  |
| 392.2  |
| 333.6  |
| 301.7  |
| 280.4  |
| 257.3  |
| 234.2  |
| 202.3  |
| 152.6  |
| 118.9  |
| 99.4   |
| 78.1   |
| 56.8   |
| 35.5   |
| 12.4   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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