

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: P953501

Luminaire Tested: **GLAN-SB7A-740-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953501  
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-SB7A-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 4000K, 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: 25998 lumens  
Efficiency: N/A  
Efficacy: 130.6 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

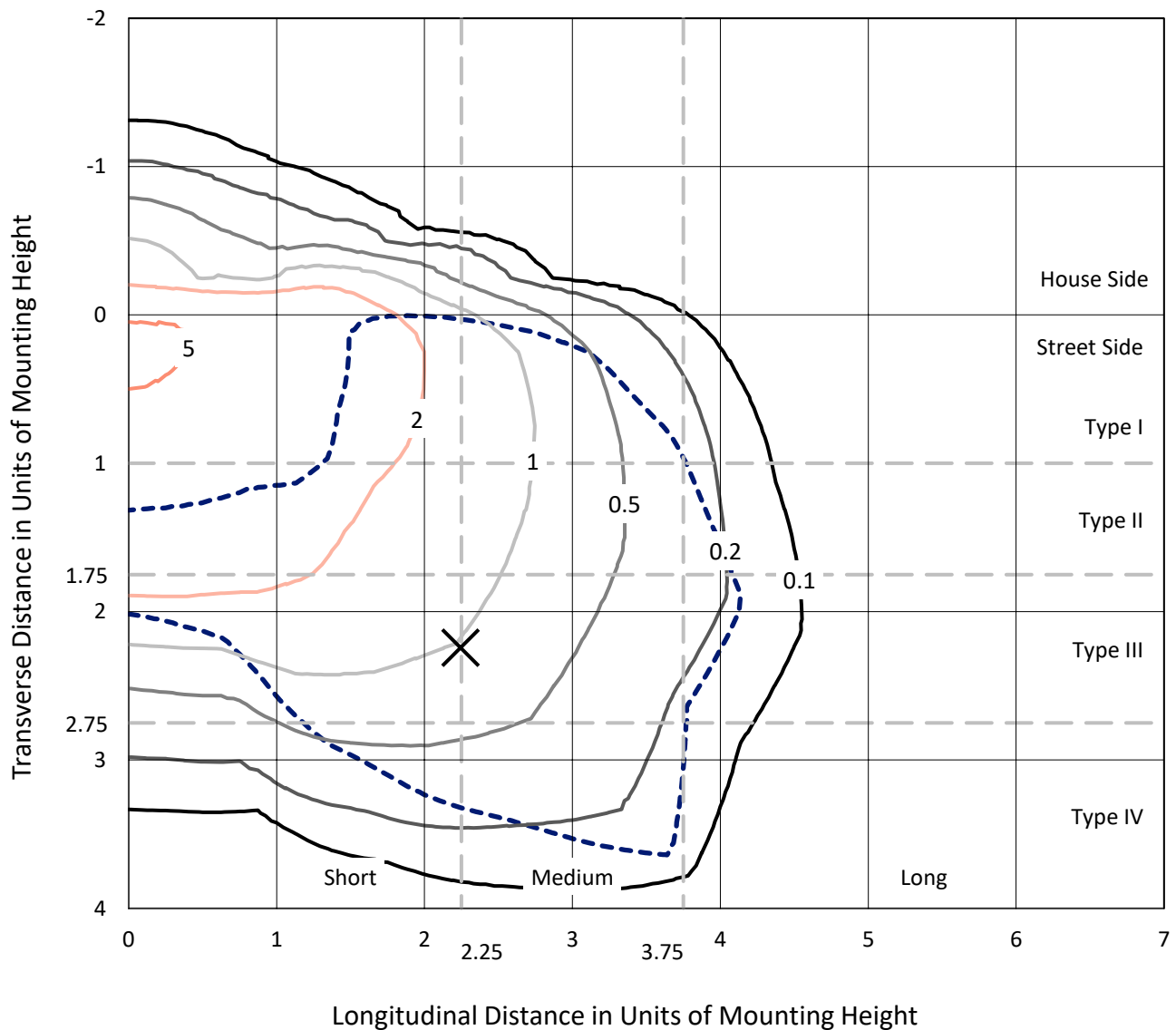
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

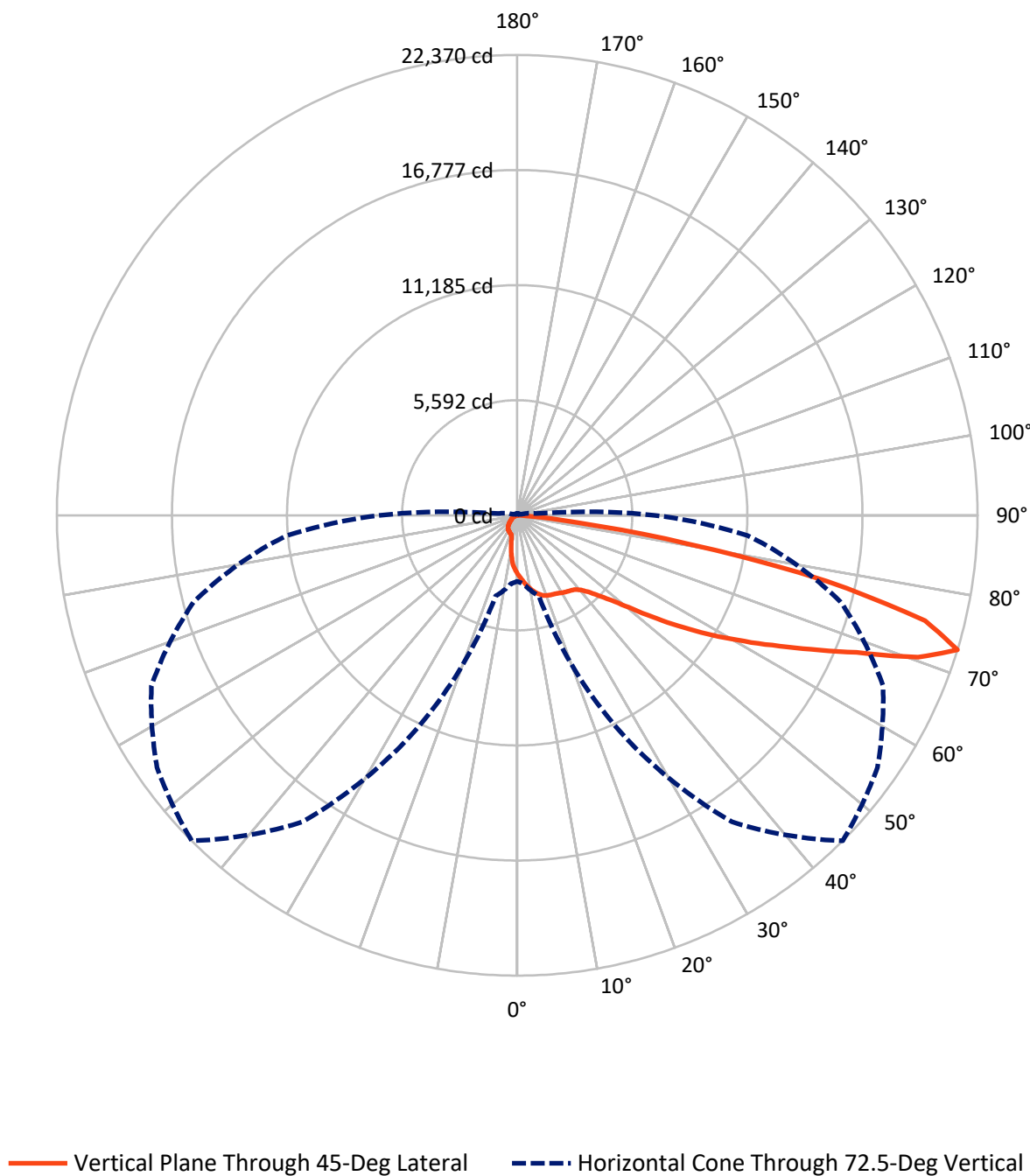
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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    | 2731.7   | 0.0    | 2731.7  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 23266.3  | 0.0    | 23266.3 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 25998.0  | 0.0    | 25998.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 268.3   | 1.0       |
| 10°-20°   | 784.3   | 3.0       |
| 20°-30°   | 1287.9  | 5.0       |
| 30°-40°   | 1826.6  | 7.0       |
| 40°-50°   | 3019.1  | 11.6      |
| 50°-60°   | 5423.5  | 20.9      |
| 60°-70°   | 7530.8  | 29.0      |
| 70°-80°   | 5462.6  | 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°    | 25998.0 | 100.0     |
| 0°-180°   | 25998.0 | 100.0     |

**Coefficient of Utilization**



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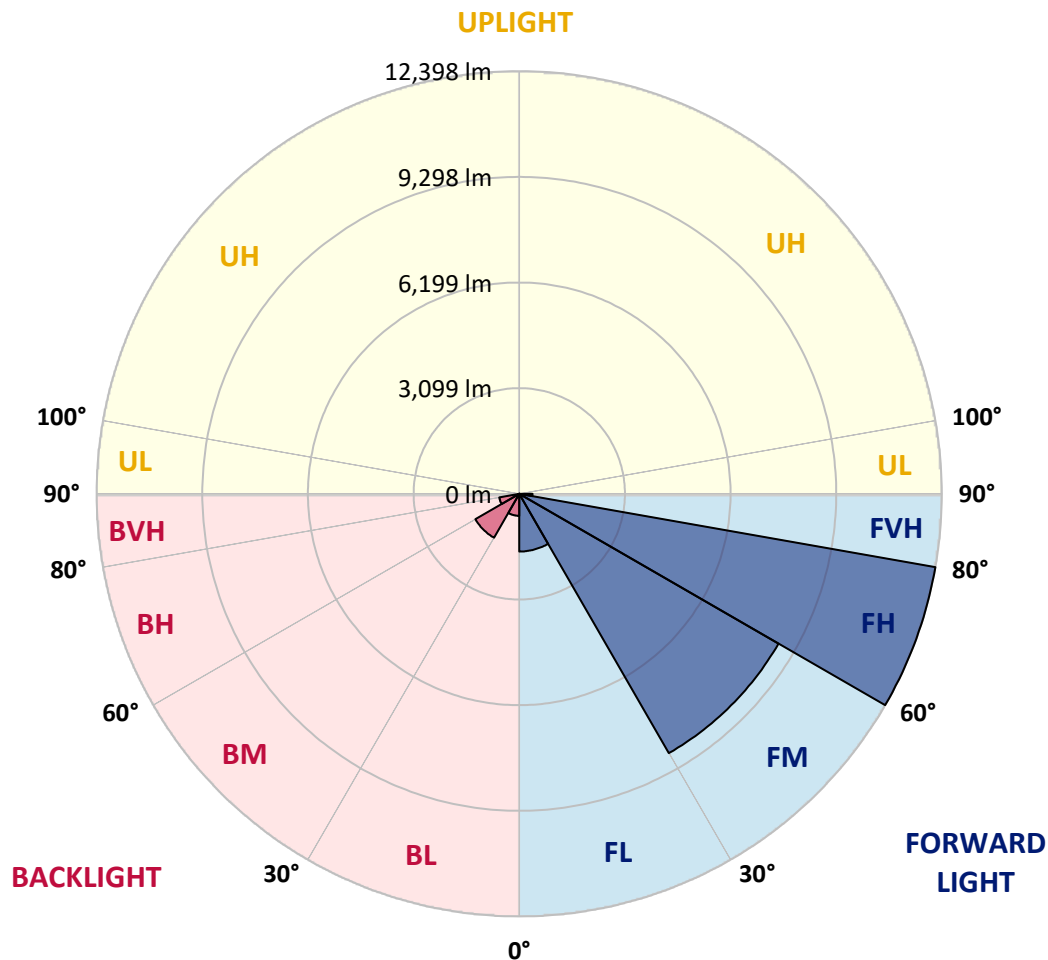
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1693.5  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 8783.5  | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 12397.7 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 391.6   | 1.5       |                         |      | G3/500  |
| BL   | (0°-30°)    | 647.0   | 2.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1485.6  | 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°    | 2848.1  | 2848.1  | 2848.1  | 2848.1  | 2848.1  | 2848.1  | 2848.1  | 2848.1  | 2848.1  | 2848.1  |
| 2.5°  | 3110.8  | 3116.1  | 3112.5  | 3091.2  | 3055.8  | 3036.2  | 3025.6  | 2990.1  | 2967.0  | 2926.2  |
| 5°    | 3396.5  | 3417.8  | 3405.3  | 3362.8  | 3295.3  | 3247.4  | 3233.2  | 3160.5  | 3094.8  | 3018.5  |
| 7.5°  | 3699.9  | 3710.6  | 3687.5  | 3632.5  | 3542.0  | 3460.4  | 3447.9  | 3346.8  | 3242.1  | 3125.0  |
| 10°   | 3962.5  | 3975.0  | 3939.5  | 3859.6  | 3756.7  | 3655.6  | 3637.8  | 3526.0  | 3401.8  | 3258.1  |
| 12.5° | 4182.6  | 4195.0  | 4148.9  | 4053.0  | 3939.5  | 3834.8  | 3817.0  | 3699.9  | 3563.3  | 3403.6  |
| 15°   | 4349.4  | 4372.5  | 4310.4  | 4207.4  | 4085.0  | 3980.3  | 3971.4  | 3856.1  | 3723.0  | 3545.5  |
| 17.5° | 4447.0  | 4470.1  | 4411.5  | 4287.3  | 4182.6  | 4093.9  | 4083.2  | 3987.4  | 3863.2  | 3692.8  |
| 20°   | 4463.0  | 4484.3  | 4422.2  | 4313.9  | 4227.0  | 4156.0  | 4150.6  | 4081.4  | 3990.9  | 3827.7  |
| 22.5° | 4415.1  | 4441.7  | 4384.9  | 4297.9  | 4237.6  | 4200.3  | 4193.2  | 4154.2  | 4102.7  | 3964.3  |
| 25°   | 4365.4  | 4386.7  | 4344.1  | 4267.8  | 4235.8  | 4232.3  | 4237.6  | 4230.5  | 4219.9  | 4102.7  |
| 27.5° | 4361.8  | 4384.9  | 4337.0  | 4264.2  | 4246.5  | 4283.7  | 4289.1  | 4322.8  | 4331.7  | 4228.7  |
| 30°   | 4392.0  | 4408.0  | 4361.8  | 4285.5  | 4276.6  | 4361.8  | 4363.6  | 4423.9  | 4438.1  | 4335.2  |
| 32.5° | 4457.6  | 4475.4  | 4429.3  | 4317.5  | 4305.0  | 4423.9  | 4429.3  | 4509.1  | 4532.2  | 4448.8  |
| 35°   | 4612.0  | 4633.3  | 4580.1  | 4406.2  | 4361.8  | 4482.5  | 4498.5  | 4592.5  | 4638.6  | 4569.4  |
| 37.5° | 4997.1  | 4935.0  | 4862.2  | 4585.4  | 4491.4  | 4574.8  | 4601.4  | 4711.4  | 4793.0  | 4713.2  |
| 40°   | 5953.6  | 5758.4  | 5531.2  | 4890.6  | 4718.5  | 4771.7  | 4793.0  | 4903.1  | 5014.8  | 4936.8  |
| 42.5° | 7389.2  | 7158.5  | 6792.9  | 5593.3  | 5061.0  | 5087.6  | 5103.6  | 5199.4  | 5357.3  | 5295.2  |
| 45°   | 8668.6  | 8585.2  | 8212.6  | 6792.9  | 5701.6  | 5570.3  | 5589.8  | 5639.5  | 5872.0  | 5848.9  |
| 47.5° | 9651.7  | 9603.8  | 9316.3  | 8170.0  | 6784.1  | 6161.2  | 6216.2  | 6239.3  | 6574.7  | 6656.3  |
| 50°   | 10407.7 | 10389.9 | 10132.6 | 9394.4  | 8198.4  | 7032.5  | 7052.0  | 7002.3  | 7504.5  | 7706.8  |
| 52.5° | 11121.0 | 11181.4 | 10991.5 | 10531.9 | 9708.5  | 8173.5  | 8170.0  | 7935.7  | 8613.6  | 8918.8  |
| 55°   | 11765.2 | 11786.5 | 11806.0 | 11692.4 | 11227.5 | 9472.5  | 9438.8  | 9055.5  | 9900.2  | 10216.0 |
| 57.5° | 12370.3 | 12379.2 | 12553.1 | 12785.6 | 12808.6 | 10867.3 | 10805.2 | 10345.6 | 11305.6 | 11531.0 |
| 60°   | 12776.7 | 12817.5 | 13184.8 | 13830.8 | 14112.9 | 12306.4 | 12272.7 | 11804.2 | 12735.9 | 12840.6 |
| 62.5° | 12191.1 | 12439.5 | 13365.8 | 14647.1 | 15344.4 | 13901.7 | 13885.8 | 13445.7 | 14240.7 | 14155.5 |
| 65°   | 9868.2  | 10288.8 | 11917.8 | 15198.9 | 16552.9 | 15683.4 | 15706.5 | 15238.0 | 15786.3 | 15509.5 |
| 67.5° | 6903.0  | 7346.6  | 9273.7  | 15243.3 | 17903.3 | 17775.6 | 17908.7 | 17174.0 | 17427.8 | 16806.7 |
| 70°   | 4773.5  | 5002.4  | 6257.0  | 14288.6 | 18955.6 | 20657.4 | 20653.9 | 19551.9 | 19060.3 | 17397.6 |
| 72.5° | 3210.1  | 3329.0  | 4063.7  | 11335.8 | 18181.9 | 22369.8 | 22266.9 | 21369.0 | 19610.4 | 16270.8 |
| 75°   | 1354.0  | 1440.9  | 1881.0  | 6370.6  | 14384.4 | 20465.8 | 20187.2 | 18884.7 | 17424.2 | 12812.2 |
| 77.5° | 429.4   | 466.7   | 741.8   | 2280.3  | 7923.3  | 15383.5 | 15088.9 | 11793.6 | 11678.2 | 6427.4  |
| 80°   | 204.1   | 237.8   | 417.0   | 915.7   | 3117.9  | 8367.0  | 8326.1  | 5350.2  | 5023.7  | 1735.5  |
| 82.5° | 88.7    | 104.7   | 230.7   | 489.8   | 1394.8  | 2984.8  | 3045.1  | 1820.7  | 1506.6  | 658.4   |
| 85°   | 28.4    | 37.3    | 106.5   | 225.4   | 589.1   | 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2848.1  | 0°    | 2848.1  | 2848.1 | 2848.1 | 2848.1 | 2848.1 | 2848.1 | 2848.1 | 2848.1 | 2848.1 | 2848.1 |
| 2883.6  | 2.5°  | 2862.3  | 2833.9 | 2784.3 | 2738.1 | 2697.3 | 2656.5 | 2631.6 | 2596.2 | 2592.6 | 2592.6 |
| 2929.8  | 5°    | 2881.9  | 2835.7 | 2747.0 | 2652.9 | 2544.7 | 2441.8 | 2338.8 | 2239.5 | 2207.5 | 2184.5 |
| 3004.3  | 7.5°  | 2938.6  | 2865.9 | 2725.7 | 2546.5 | 2340.6 | 2115.3 | 1957.3 | 1787.0 | 1721.3 | 1685.8 |
| 3103.7  | 10°   | 3020.3  | 2920.9 | 2707.9 | 2393.9 | 2060.2 | 1753.2 | 1527.9 | 1343.3 | 1272.3 | 1242.2 |
| 3211.9  | 12.5° | 3110.8  | 2988.3 | 2676.0 | 2204.0 | 1753.2 | 1385.9 | 1165.9 | 1080.7 | 1070.0 | 1070.0 |
| 3341.5  | 15°   | 3219.0  | 3070.0 | 2621.0 | 1980.4 | 1432.1 | 1096.7 | 1018.6 | 1022.1 | 1032.8 | 1039.9 |
| 3467.5  | 17.5° | 3330.8  | 3156.9 | 2534.0 | 1730.2 | 1148.1 | 986.6  | 988.4  | 993.7  | 1002.6 | 1009.7 |
| 3604.1  | 20°   | 3451.5  | 3243.9 | 2418.7 | 1464.0 | 984.9  | 954.7  | 960.0  | 965.3  | 972.4  | 976.0  |
| 3731.9  | 22.5° | 3581.0  | 3325.5 | 2282.1 | 1203.1 | 929.9  | 928.1  | 929.9  | 935.2  | 944.1  | 944.1  |
| 3880.9  | 25°   | 3719.4  | 3416.0 | 2125.9 | 1013.3 | 901.5  | 901.5  | 905.0  | 908.6  | 915.7  | 915.7  |
| 4024.7  | 27.5° | 3861.4  | 3499.4 | 1960.9 | 913.9  | 876.6  | 874.8  | 874.8  | 880.2  | 883.7  | 885.5  |
| 4166.6  | 30°   | 4017.6  | 3597.0 | 1795.8 | 892.6  | 857.1  | 848.2  | 842.9  | 846.5  | 850.0  | 851.8  |
| 4315.7  | 32.5° | 4177.3  | 3691.0 | 1648.5 | 901.5  | 837.6  | 821.6  | 803.9  | 800.3  | 800.3  | 807.4  |
| 4470.1  | 35°   | 4354.7  | 3794.0 | 1535.0 | 931.6  | 826.9  | 782.6  | 754.2  | 738.2  | 740.0  | 750.6  |
| 4654.6  | 37.5° | 4567.7  | 3918.2 | 1451.6 | 958.3  | 819.8  | 738.2  | 692.1  | 672.6  | 660.1  | 672.6  |
| 4908.4  | 40°   | 4846.3  | 4101.0 | 1391.2 | 979.5  | 811.0  | 686.7  | 624.6  | 592.7  | 569.6  | 576.7  |
| 5302.3  | 42.5° | 5256.2  | 4388.4 | 1368.2 | 981.3  | 791.4  | 626.4  | 555.4  | 512.8  | 479.1  | 480.9  |
| 5895.0  | 45°   | 5831.1  | 4842.7 | 1487.1 | 958.3  | 748.9  | 560.8  | 482.7  | 425.9  | 404.6  | 399.3  |
| 6780.5  | 47.5° | 6619.0  | 5504.6 | 1762.1 | 910.3  | 686.7  | 496.9  | 411.7  | 363.8  | 347.8  | 338.9  |
| 7942.8  | 50°   | 7674.9  | 6354.6 | 2067.3 | 857.1  | 624.6  | 436.5  | 353.1  | 323.0  | 312.3  | 303.4  |
| 9321.7  | 52.5° | 8899.3  | 7217.1 | 2317.5 | 803.9  | 562.5  | 383.3  | 315.9  | 298.1  | 289.2  | 282.2  |
| 10652.6 | 55°   | 10022.6 | 7811.5 | 2303.4 | 747.1  | 502.2  | 340.7  | 289.2  | 278.6  | 268.0  | 260.9  |
| 11798.9 | 57.5° | 10721.8 | 7894.9 | 1898.8 | 685.0  | 433.0  | 307.0  | 264.4  | 257.3  | 244.9  | 236.0  |
| 12790.9 | 60°   | 11043.0 | 7419.4 | 1330.9 | 603.3  | 363.8  | 275.1  | 237.8  | 234.2  | 218.3  | 205.8  |
| 13729.6 | 62.5° | 11101.5 | 6535.6 | 887.3  | 502.2  | 303.4  | 244.9  | 211.2  | 205.8  | 184.6  | 163.3  |
| 14492.7 | 65°   | 10863.7 | 5272.2 | 614.0  | 392.2  | 259.1  | 212.9  | 181.0  | 170.4  | 147.3  | 126.0  |
| 14673.7 | 67.5° | 10111.3 | 3701.7 | 427.7  | 282.2  | 220.0  | 168.6  | 143.7  | 140.2  | 122.4  | 104.7  |
| 13750.9 | 70°   | 8732.5  | 2109.9 | 285.7  | 211.2  | 173.9  | 115.3  | 113.6  | 117.1  | 99.4   | 85.2   |
| 11234.6 | 72.5° | 6695.3  | 965.3  | 177.5  | 154.4  | 118.9  | 78.1   | 90.5   | 92.3   | 76.3   | 63.9   |
| 7009.4  | 75°   | 3941.3  | 413.5  | 111.8  | 99.4   | 60.3   | 51.5   | 65.7   | 67.4   | 51.5   | 40.8   |
| 2562.4  | 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°   |
|--------|
| 2848.1 |
| 2601.5 |
| 2195.1 |
| 1691.1 |
| 1242.2 |
| 1070.0 |
| 1039.9 |
| 1009.7 |
| 977.8  |
| 947.6  |
| 917.4  |
| 887.3  |
| 855.3  |
| 812.7  |
| 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    |