

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: P943527

Luminaire Tested: **GLAN-SB8A-750-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943527  
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-750-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38401 lumens  
Efficiency: N/A  
Efficacy: 169.1 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

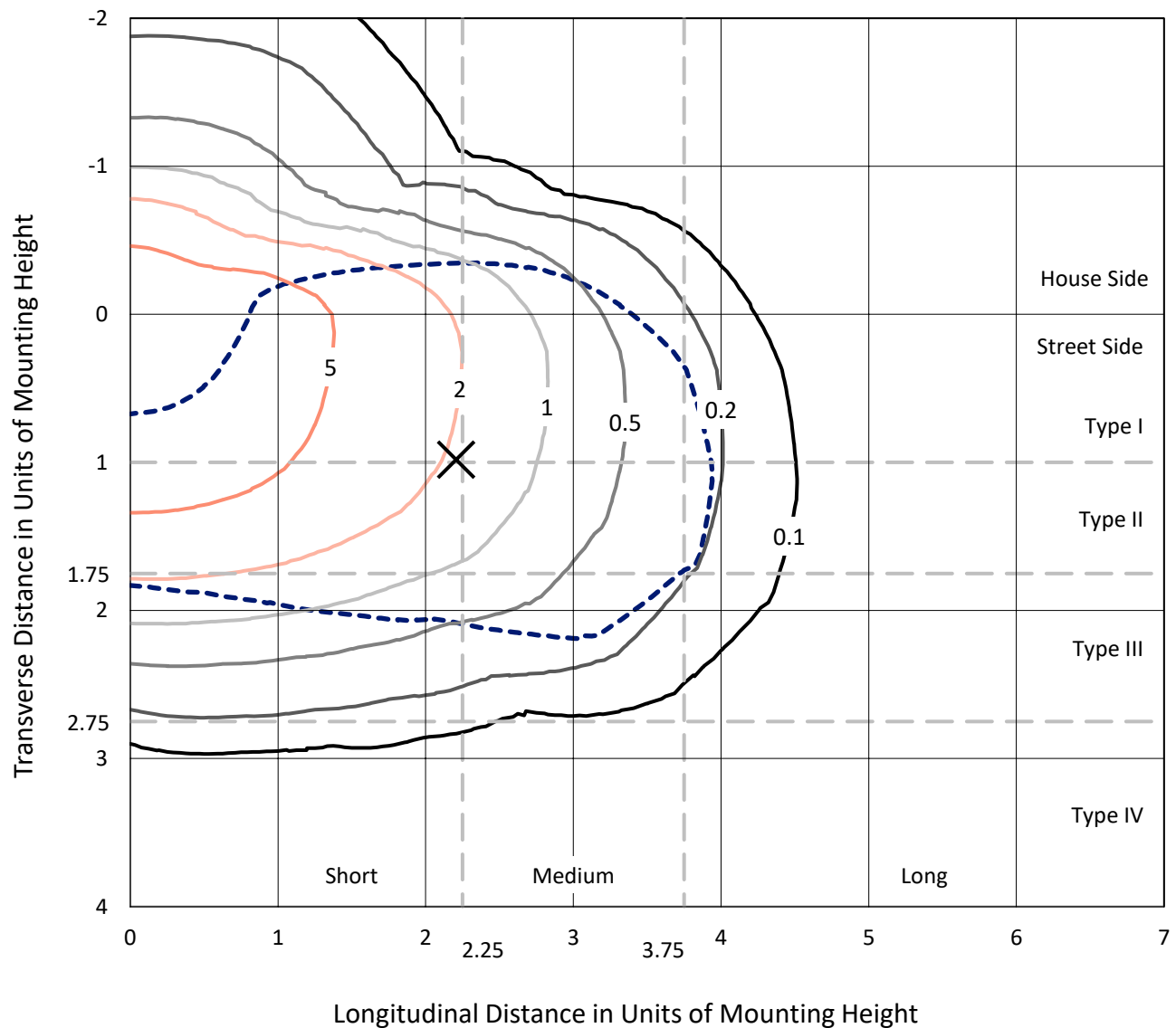


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

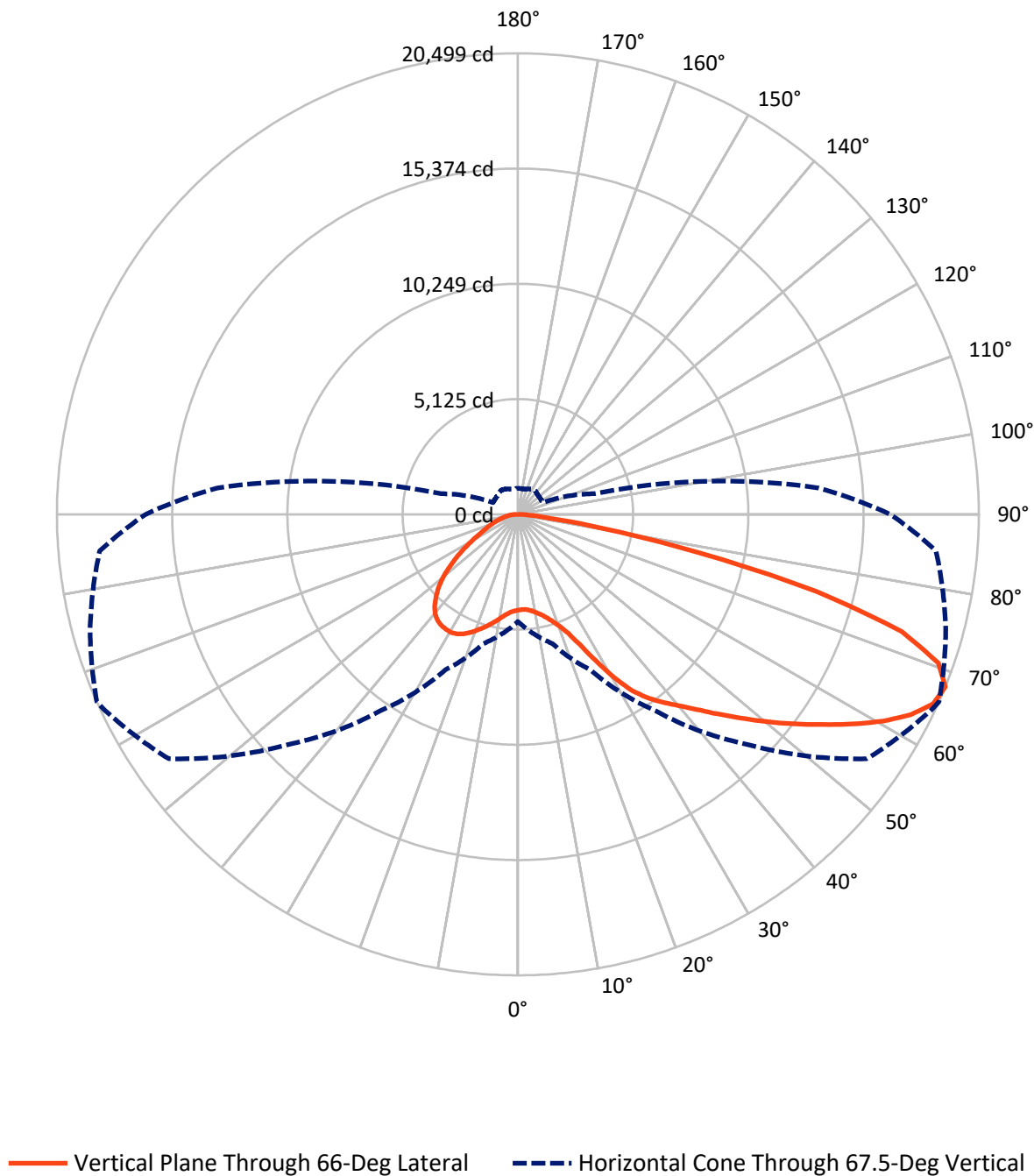


Based on 25 foot mounting height. Maximum calculated value = 9.7 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9548.3   | 0.0    | 9548.3  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 28852.7  | 0.0    | 28852.7 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 38401.0  | 0.0    | 38401.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 422.3   | 1.1       |
| 10°-20°   | 1395.2  | 3.6       |
| 20°-30°   | 2689.1  | 7.0       |
| 30°-40°   | 4715.0  | 12.3      |
| 40°-50°   | 7009.6  | 18.3      |
| 50°-60°   | 8885.4  | 23.1      |
| 60°-70°   | 8694.1  | 22.6      |
| 70°-80°   | 4147.2  | 10.8      |
| 80°-90°   | 443.2   | 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°    | 38401.0 | 100.0     |
| 0°-180°   | 38401.0 | 100.0     |

**Coefficient of Utilization**



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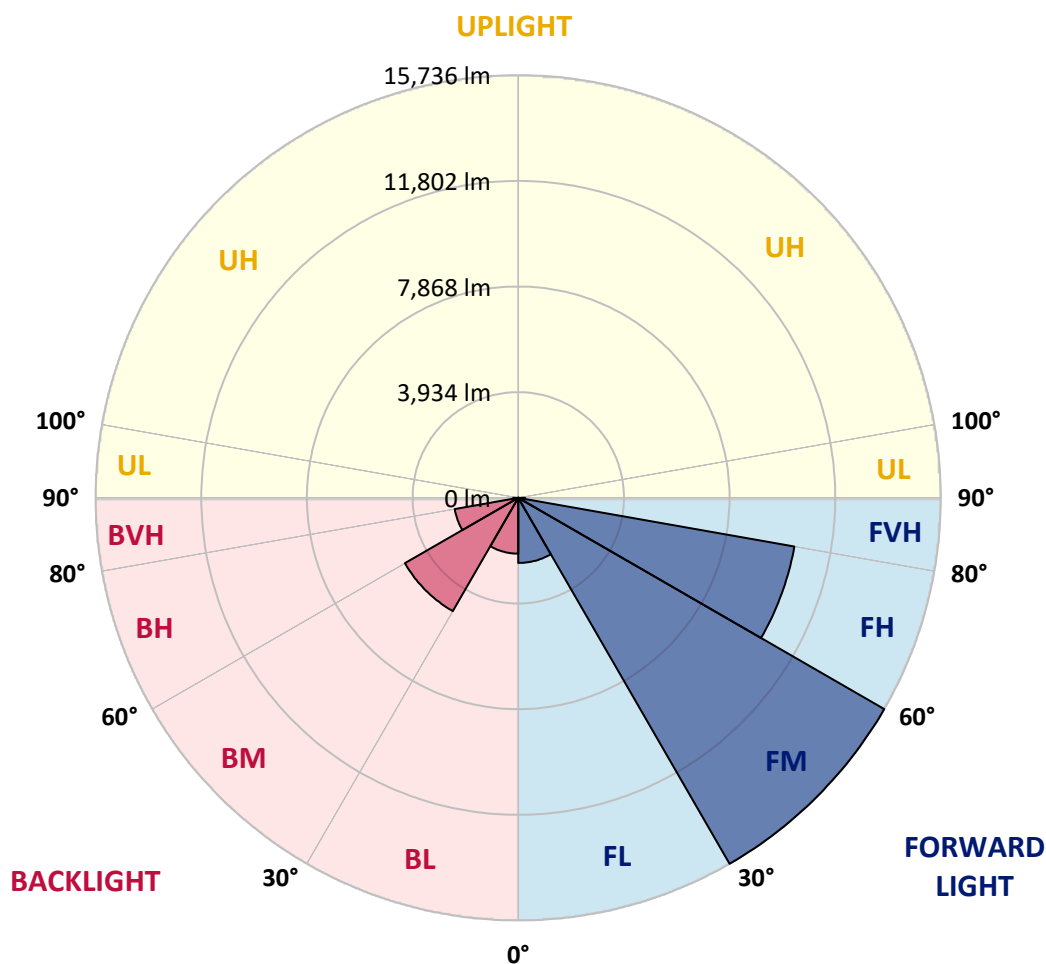
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2426.6  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 15736.4 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 10438.4 | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 251.3   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 2080.0  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4873.6  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2402.8  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 191.9   | 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°    | 4259.2  | 4259.2  | 4259.2  | 4259.2  | 4259.2  | 4259.2  | 4259.2  | 4259.2  | 4259.2  | 4259.2  |
| 2.5°  | 4214.8  | 4239.0  | 4232.9  | 4222.9  | 4220.8  | 4224.9  | 4230.9  | 4237.0  | 4235.0  | 4245.1  |
| 5°    | 4202.7  | 4226.9  | 4224.9  | 4224.9  | 4232.9  | 4249.1  | 4259.2  | 4269.3  | 4259.2  | 4271.3  |
| 7.5°  | 4210.8  | 4228.9  | 4237.0  | 4245.1  | 4265.2  | 4295.5  | 4319.7  | 4341.9  | 4329.8  | 4343.9  |
| 10°   | 4313.7  | 4327.8  | 4335.8  | 4335.8  | 4350.0  | 4384.3  | 4408.5  | 4448.8  | 4438.7  | 4460.9  |
| 12.5° | 4501.3  | 4515.4  | 4515.4  | 4507.3  | 4517.4  | 4539.6  | 4547.7  | 4592.1  | 4573.9  | 4610.2  |
| 15°   | 4731.3  | 4759.5  | 4737.4  | 4723.2  | 4727.3  | 4749.5  | 4747.4  | 4781.7  | 4763.6  | 4793.8  |
| 17.5° | 4985.5  | 5021.8  | 4985.5  | 4983.5  | 4975.4  | 4999.6  | 5001.7  | 5031.9  | 4999.6  | 5021.8  |
| 20°   | 5286.1  | 5336.6  | 5306.3  | 5316.4  | 5298.2  | 5308.3  | 5318.4  | 5362.8  | 5312.4  | 5328.5  |
| 22.5° | 5709.8  | 5770.4  | 5738.1  | 5776.4  | 5764.3  | 5756.2  | 5754.2  | 5832.9  | 5754.2  | 5760.3  |
| 25°   | 6327.2  | 6399.9  | 6343.4  | 6395.8  | 6395.8  | 6422.1  | 6452.3  | 6553.2  | 6422.1  | 6383.7  |
| 27.5° | 7239.2  | 7311.8  | 7200.9  | 7233.1  | 7223.1  | 7287.6  | 7255.3  | 7505.5  | 7364.3  | 7301.7  |
| 30°   | 8336.8  | 8465.9  | 8256.1  | 8248.0  | 8237.9  | 8340.8  | 8387.2  | 8552.7  | 8409.4  | 8346.9  |
| 32.5° | 9523.1  | 9658.3  | 9408.1  | 9335.5  | 9297.2  | 9359.7  | 9321.4  | 9454.5  | 9355.7  | 9258.8  |
| 35°   | 10778.1 | 10911.2 | 10673.2 | 10531.9 | 10378.6 | 10247.5 | 10110.3 | 10144.6 | 10051.7 | 9904.5  |
| 37.5° | 11964.4 | 12208.6 | 11956.4 | 11805.0 | 11522.6 | 11266.3 | 10883.0 | 10723.6 | 10636.8 | 10501.7 |
| 40°   | 13173.0 | 13312.2 | 13120.5 | 12991.4 | 12684.7 | 12283.2 | 11669.9 | 11332.9 | 11215.9 | 11084.8 |
| 42.5° | 14062.8 | 14195.9 | 14093.0 | 14004.2 | 13764.1 | 13298.1 | 12505.2 | 12083.5 | 11914.0 | 11766.7 |
| 45°   | 14768.9 | 14867.8 | 14803.2 | 14835.5 | 14732.6 | 14280.7 | 13370.7 | 12888.5 | 12713.0 | 12533.4 |
| 47.5° | 15053.4 | 15158.3 | 15261.2 | 15452.9 | 15628.4 | 15295.5 | 14300.8 | 13760.1 | 13574.5 | 13390.9 |
| 50°   | 15021.1 | 15128.1 | 15426.7 | 15834.2 | 16379.0 | 16268.0 | 15281.4 | 14688.2 | 14516.7 | 14306.9 |
| 52.5° | 14762.9 | 14883.9 | 15267.3 | 15945.2 | 16812.8 | 16996.4 | 16280.1 | 15646.6 | 15485.2 | 15235.0 |
| 55°   | 14084.9 | 14157.6 | 14732.6 | 15693.0 | 16915.7 | 17504.8 | 17258.7 | 16667.5 | 16506.1 | 16157.0 |
| 57.5° | 12828.0 | 12932.9 | 13770.2 | 15013.0 | 16657.4 | 17849.8 | 18118.2 | 17740.9 | 17585.5 | 17083.1 |
| 60°   | 11187.7 | 11355.1 | 12313.5 | 13871.1 | 15999.7 | 17847.8 | 18899.0 | 18796.1 | 18666.9 | 17995.1 |
| 62.5° | 9331.5  | 9525.1  | 10447.2 | 12257.0 | 14849.6 | 17341.4 | 19387.2 | 19679.8 | 19613.2 | 18836.4 |
| 65°   | 7166.6  | 7299.7  | 8217.7  | 10168.8 | 13060.0 | 16253.9 | 19443.7 | 20283.1 | 20295.2 | 19476.0 |
| 67.5° | 4771.7  | 5155.0  | 5952.0  | 7630.6  | 10663.1 | 14476.4 | 18947.4 | 20381.9 | 20498.9 | 19695.9 |
| 70°   | 2328.3  | 2832.7  | 3613.5  | 4959.3  | 7630.6  | 11750.6 | 17650.1 | 19570.8 | 19831.1 | 19054.3 |
| 72.5° | 966.4   | 1129.9  | 1555.6  | 2447.4  | 4380.2  | 7929.2  | 15043.3 | 17371.6 | 17853.8 | 16883.4 |
| 75°   | 651.7   | 706.2   | 889.8   | 1255.0  | 1995.4  | 3910.1  | 10848.7 | 12953.1 | 13729.8 | 12751.3 |
| 77.5° | 502.4   | 536.7   | 647.7   | 877.7   | 1186.4  | 1478.9  | 5806.7  | 7806.1  | 8207.6  | 7598.3  |
| 80°   | 395.5   | 421.7   | 484.2   | 639.6   | 841.3   | 790.9   | 1979.3  | 3536.9  | 3768.9  | 3161.6  |
| 82.5° | 343.0   | 353.1   | 347.0   | 433.8   | 558.9   | 462.0   | 649.7   | 1305.4  | 1440.6  | 1045.1  |
| 85°   | 248.2   | 276.4   | 288.5   | 268.3   | 296.6   | 234.0   | 266.3   | 462.0   | 508.4   | 454.0   |
| 87.5° | 100.9   | 149.3   | 183.6   | 173.5   | 109.0   | 66.6    | 82.7    | 135.2   | 155.4   | 169.5   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4259.2  | 0°    | 4259.2  | 4259.2  | 4259.2 | 4259.2 | 4259.2 | 4259.2 | 4259.2 | 4259.2 | 4259.2 | 4259.2 |
| 4261.2  | 2.5°  | 4263.2  | 4277.3  | 4287.4 | 4299.5 | 4307.6 | 4319.7 | 4343.9 | 4358.0 | 4360.1 | 4370.1 |
| 4293.5  | 5°    | 4301.5  | 4321.7  | 4343.9 | 4376.2 | 4412.5 | 4442.8 | 4489.2 | 4521.5 | 4533.6 | 4543.7 |
| 4372.2  | 7.5°  | 4384.3  | 4412.5  | 4452.9 | 4509.4 | 4561.8 | 4602.2 | 4658.7 | 4697.0 | 4735.3 | 4749.5 |
| 4497.3  | 10°   | 4507.3  | 4547.7  | 4606.2 | 4682.9 | 4739.4 | 4791.8 | 4850.3 | 4882.6 | 4921.0 | 4937.1 |
| 4646.6  | 12.5° | 4660.7  | 4703.1  | 4779.7 | 4886.7 | 4939.1 | 4975.4 | 4995.6 | 4987.5 | 4995.6 | 5009.7 |
| 4826.1  | 15°   | 4836.2  | 4882.6  | 4969.4 | 5084.4 | 5120.7 | 5088.4 | 5044.0 | 5003.7 | 4997.6 | 5001.7 |
| 5044.0  | 17.5° | 5044.0  | 5078.3  | 5179.2 | 5276.1 | 5249.8 | 5116.7 | 5019.8 | 4955.3 | 4923.0 | 4912.9 |
| 5322.5  | 20°   | 5334.6  | 5334.6  | 5417.3 | 5477.8 | 5302.3 | 5076.3 | 4925.0 | 4820.1 | 4753.5 | 4725.2 |
| 5701.8  | 22.5° | 5687.6  | 5655.4  | 5707.8 | 5665.5 | 5292.2 | 4963.3 | 4753.5 | 4571.9 | 4471.0 | 4430.7 |
| 6232.4  | 25°   | 6135.6  | 6097.2  | 6083.1 | 5820.8 | 5219.6 | 4783.8 | 4442.8 | 4222.9 | 4134.1 | 4111.9 |
| 6997.1  | 27.5° | 6811.5  | 6714.6  | 6531.0 | 5905.5 | 5086.4 | 4501.3 | 4079.6 | 3875.8 | 3825.4 | 3827.4 |
| 7979.7  | 30°   | 7711.3  | 7517.6  | 7067.7 | 5919.7 | 4868.5 | 4101.8 | 3708.4 | 3563.1 | 3538.9 | 3549.0 |
| 8804.9  | 32.5° | 8544.6  | 8361.0  | 7616.5 | 5855.1 | 4533.6 | 3710.4 | 3375.5 | 3278.6 | 3242.3 | 3254.4 |
| 9434.4  | 35°   | 9198.3  | 9147.9  | 8124.9 | 5764.3 | 4122.0 | 3343.2 | 3076.9 | 2994.1 | 2923.5 | 2907.4 |
| 10027.5 | 37.5° | 9815.7  | 9795.5  | 8506.3 | 5637.2 | 3714.4 | 3082.9 | 2836.8 | 2727.8 | 2624.9 | 2568.4 |
| 10683.3 | 40°   | 10493.6 | 10473.4 | 8756.4 | 5441.5 | 3353.3 | 2856.9 | 2620.9 | 2477.6 | 2350.5 | 2247.6 |
| 11425.7 | 42.5° | 11256.3 | 11137.2 | 8875.5 | 5161.1 | 3046.6 | 2665.3 | 2445.3 | 2251.7 | 2084.2 | 1989.4 |
| 12265.1 | 45°   | 12089.5 | 11821.2 | 8873.5 | 4803.9 | 2788.3 | 2489.7 | 2257.7 | 1983.3 | 1828.0 | 1739.2 |
| 13126.6 | 47.5° | 12973.2 | 12474.9 | 8764.5 | 4408.5 | 2538.2 | 2296.0 | 1967.2 | 1757.3 | 1654.4 | 1600.0 |
| 14062.8 | 50°   | 13885.2 | 13086.2 | 8578.9 | 3954.5 | 2281.9 | 2076.1 | 1785.6 | 1642.3 | 1563.6 | 1513.2 |
| 14990.9 | 52.5° | 14742.7 | 13641.1 | 8354.9 | 3440.0 | 2021.6 | 1862.3 | 1704.9 | 1593.9 | 1511.2 | 1454.7 |
| 15890.7 | 55°   | 15539.6 | 14119.2 | 8038.2 | 2913.4 | 1809.8 | 1719.0 | 1666.5 | 1573.7 | 1478.9 | 1412.3 |
| 16804.7 | 57.5° | 16247.8 | 14430.0 | 7491.4 | 2419.1 | 1658.5 | 1620.1 | 1626.2 | 1539.4 | 1430.5 | 1374.0 |
| 17704.5 | 60°   | 16837.0 | 14657.9 | 6682.3 | 1961.1 | 1535.4 | 1523.3 | 1563.6 | 1474.9 | 1347.8 | 1283.2 |
| 18465.2 | 62.5° | 17190.1 | 14653.9 | 5689.7 | 1606.0 | 1430.5 | 1434.5 | 1480.9 | 1394.2 | 1265.0 | 1204.5 |
| 18862.7 | 65°   | 17159.8 | 14294.8 | 4600.2 | 1374.0 | 1329.6 | 1333.6 | 1394.2 | 1305.4 | 1196.4 | 1160.1 |
| 18662.9 | 67.5° | 16552.5 | 13419.1 | 3528.8 | 1222.7 | 1218.6 | 1236.8 | 1307.4 | 1244.9 | 1154.1 | 1150.0 |
| 17472.5 | 70°   | 14908.1 | 11601.3 | 2542.2 | 1101.6 | 1103.6 | 1129.9 | 1222.7 | 1206.5 | 1131.9 | 1140.0 |
| 14690.2 | 72.5° | 11954.3 | 8845.2  | 1706.9 | 974.5  | 976.5  | 1018.9 | 1142.0 | 1176.3 | 1109.7 | 1216.6 |
| 10423.0 | 75°   | 7961.5  | 5516.2  | 1097.6 | 839.3  | 841.3  | 895.8  | 1071.4 | 1117.8 | 1049.2 | 1212.6 |
| 5423.3  | 77.5° | 3825.4  | 2479.6  | 794.9  | 706.2  | 706.2  | 756.6  | 926.1  | 1000.7 | 893.8  | 942.2  |
| 1743.2  | 80°   | 1321.5  | 932.1   | 625.5  | 569.0  | 556.9  | 591.2  | 780.8  | 867.6  | 770.7  | 710.2  |
| 569.0   | 82.5° | 520.5   | 484.2   | 502.4  | 441.9  | 401.5  | 423.7  | 607.3  | 716.3  | 566.9  | 512.5  |
| 320.8   | 85°   | 298.6   | 314.7   | 355.1  | 292.6  | 232.0  | 260.3  | 445.9  | 514.5  | 427.7  | 377.3  |
| 104.9   | 87.5° | 80.7    | 111.0   | 163.4  | 151.3  | 104.9  | 111.0  | 211.8  | 284.5  | 246.1  | 189.7  |
| 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°   |
|--------|
| 4259.2 |
| 4368.1 |
| 4541.6 |
| 4751.5 |
| 4945.2 |
| 5013.8 |
| 5015.8 |
| 4927.0 |
| 4719.2 |
| 4424.6 |
| 4115.9 |
| 3833.5 |
| 3583.3 |
| 3270.5 |
| 2919.5 |
| 2570.4 |
| 2257.7 |
| 1995.4 |
| 1735.1 |
| 1587.9 |
| 1495.1 |
| 1430.5 |
| 1386.1 |
| 1337.7 |
| 1255.0 |
| 1186.4 |
| 1158.1 |
| 1156.1 |
| 1137.9 |
| 1232.8 |
| 1222.7 |
| 863.5  |
| 665.8  |
| 510.5  |
| 385.4  |
| 195.7  |
| 0.0    |