

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: P943018

Luminaire Tested: **GLAN-SB7B-750-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-750-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32078 lumens  
Efficiency: N/A  
Efficacy: 125.0 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): 256.7  
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



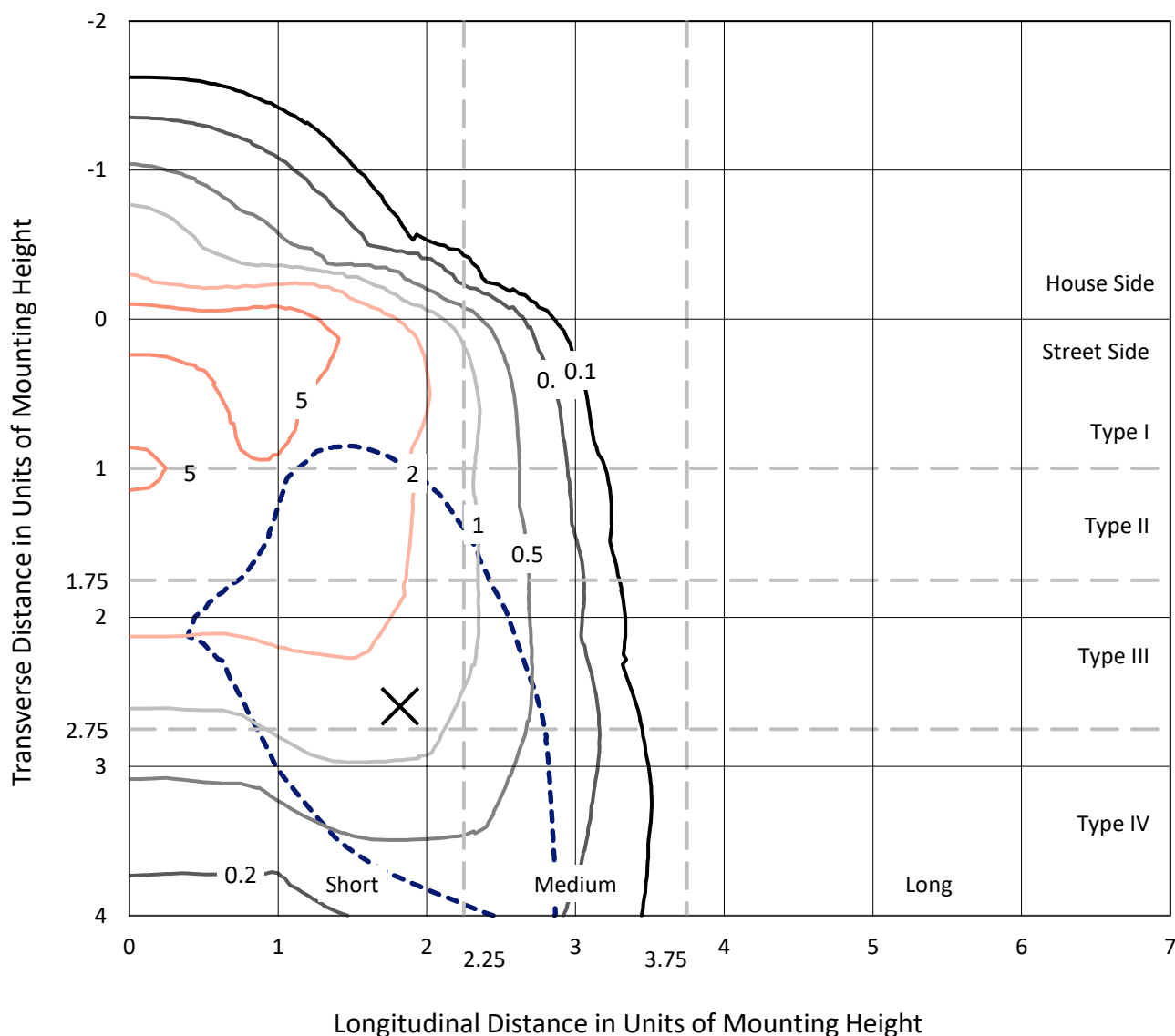
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

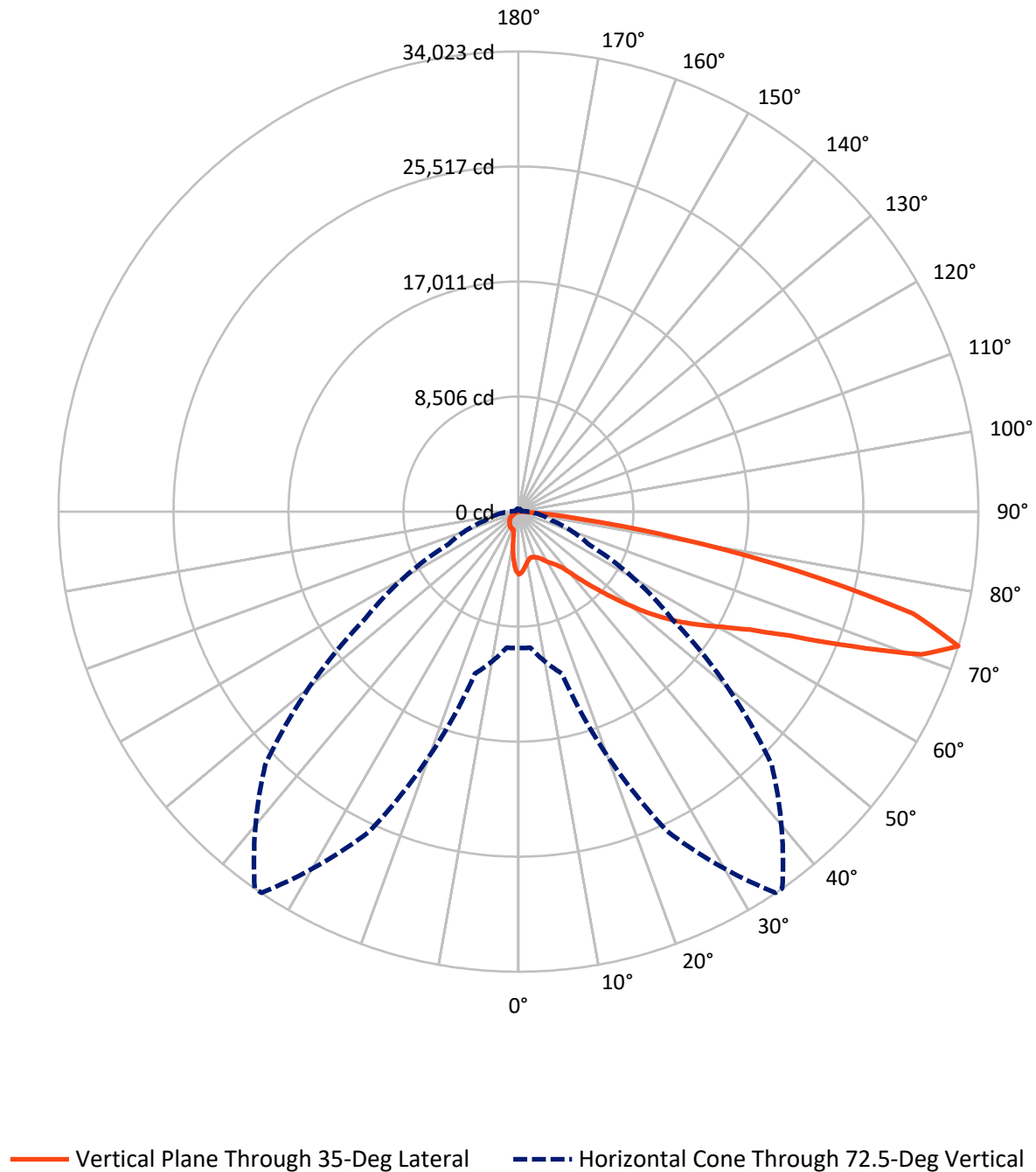


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc

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    | 3610.2   | 0.0    | 3610.2  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 28467.8  | 0.0    | 28467.8 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 32078.0  | 0.0    | 32078.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 382.0   | 1.2       |
| 10°-20°   | 893.7   | 2.8       |
| 20°-30°   | 1451.8  | 4.5       |
| 30°-40°   | 2422.4  | 7.6       |
| 40°-50°   | 4583.2  | 14.3      |
| 50°-60°   | 7282.7  | 22.7      |
| 60°-70°   | 9009.2  | 28.1      |
| 70°-80°   | 5600.2  | 17.5      |
| 80°-90°   | 452.6   | 1.4       |
| 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°    | 32078.0 | 100.0     |
| 0°-180°   | 32078.0 | 100.0     |

**Coefficient of Utilization**



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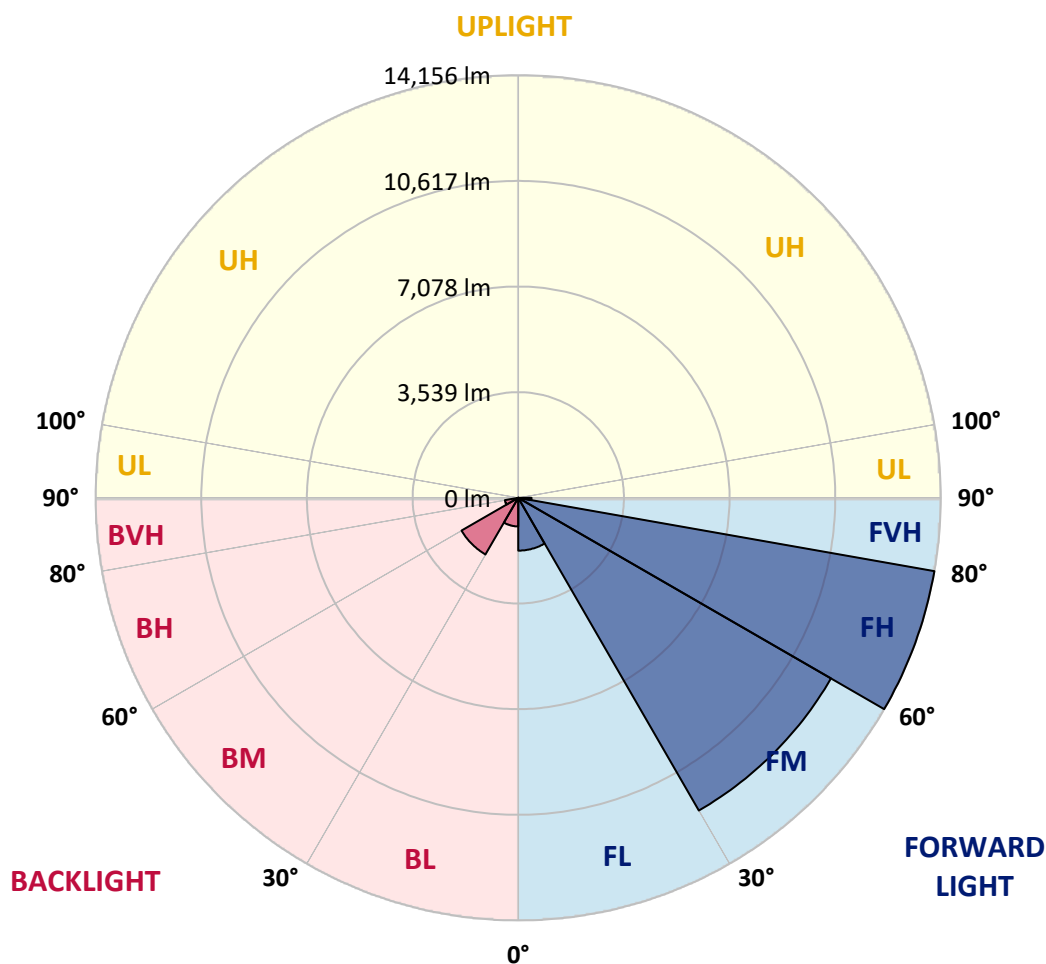
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1768.3  | 5.5       |                         |      |        |
| FM   | (30°-60°)   | 12096.6 | 37.7      |                         |      |        |
| FH   | (60°-80°)   | 14156.4 | 44.1      |                         |      | G5     |
| FVH  | (80°-90°)   | 446.4   | 1.4       |                         |      | G3/500 |
| BL   | (0°-30°)    | 959.3   | 3.0       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 2191.7  | 6.8       | B2/2500                 |      |        |
| BH   | (60°-80°)   | 453.0   | 1.4       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 6.2     | 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°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4649.2  | 4649.2  | 4649.2  | 4649.2  | 4649.2  | 4649.2  | 4649.2  | 4649.2  | 4649.2  | 4649.2  |
| 2.5°  | 4442.3  | 4479.9  | 4487.0  | 4498.7  | 4498.7  | 4512.9  | 4536.4  | 4569.3  | 4623.3  | 4651.5  |
| 5°    | 4094.5  | 4122.7  | 4157.9  | 4186.1  | 4240.2  | 4247.3  | 4338.9  | 4428.2  | 4552.8  | 4646.8  |
| 7.5°  | 3744.3  | 3777.2  | 3824.2  | 3892.3  | 3962.8  | 3984.0  | 4122.7  | 4273.1  | 4470.5  | 4646.8  |
| 10°   | 3497.5  | 3499.8  | 3542.1  | 3610.3  | 3723.1  | 3749.0  | 3918.2  | 4132.1  | 4378.9  | 4618.6  |
| 12.5° | 3358.8  | 3375.2  | 3394.0  | 3445.8  | 3553.9  | 3570.3  | 3751.3  | 4002.8  | 4287.2  | 4602.2  |
| 15°   | 3358.8  | 3370.5  | 3382.3  | 3408.1  | 3495.1  | 3509.2  | 3669.0  | 3920.5  | 4240.2  | 4609.2  |
| 17.5° | 3394.0  | 3412.8  | 3403.4  | 3434.0  | 3525.7  | 3535.1  | 3676.1  | 3897.0  | 4237.9  | 4653.9  |
| 20°   | 3478.7  | 3492.8  | 3474.0  | 3492.8  | 3584.4  | 3603.2  | 3749.0  | 3941.7  | 4277.8  | 4731.4  |
| 22.5° | 3612.6  | 3619.7  | 3575.0  | 3589.1  | 3683.1  | 3706.6  | 3875.9  | 4068.6  | 4374.2  | 4856.0  |
| 25°   | 3781.9  | 3796.0  | 3727.8  | 3744.3  | 3833.6  | 3861.8  | 4056.9  | 4259.0  | 4527.0  | 5027.6  |
| 27.5° | 3977.0  | 3984.0  | 3925.2  | 3922.9  | 4038.1  | 4078.0  | 4275.5  | 4494.0  | 4731.4  | 5243.8  |
| 30°   | 4200.2  | 4221.4  | 4165.0  | 4155.6  | 4301.3  | 4334.2  | 4529.3  | 4783.2  | 5032.3  | 5568.2  |
| 32.5° | 4376.5  | 4393.0  | 4360.1  | 4383.6  | 4531.7  | 4557.5  | 4837.2  | 5192.1  | 5504.7  | 6028.9  |
| 35°   | 4630.4  | 4639.8  | 4564.6  | 4606.9  | 4776.1  | 4841.9  | 5257.9  | 5765.6  | 6099.4  | 6607.1  |
| 37.5° | 5549.4  | 5549.4  | 5229.7  | 5020.5  | 5182.7  | 5241.5  | 5833.8  | 6487.2  | 6832.7  | 7382.7  |
| 40°   | 6821.0  | 6799.8  | 6332.1  | 5904.3  | 5883.2  | 5998.3  | 6654.1  | 7396.8  | 7780.0  | 8313.5  |
| 42.5° | 8177.2  | 8144.3  | 7507.3  | 7084.2  | 7013.7  | 7053.7  | 7601.3  | 8518.0  | 8908.2  | 9448.8  |
| 45°   | 9380.6  | 9371.2  | 8788.3  | 8219.5  | 8092.6  | 8219.5  | 8783.6  | 9829.6  | 10109.3 | 10678.1 |
| 47.5° | 10389.0 | 10389.0 | 9963.5  | 9592.2  | 9526.3  | 9601.6  | 10384.3 | 11284.5 | 11258.6 | 11987.3 |
| 50°   | 11550.1 | 11540.7 | 11136.4 | 10976.6 | 11044.7 | 11150.5 | 12227.0 | 12817.0 | 12448.0 | 13273.0 |
| 52.5° | 12363.3 | 12419.7 | 12281.1 | 12255.2 | 12603.1 | 12786.4 | 14098.0 | 14316.6 | 13512.7 | 14492.8 |
| 55°   | 13007.4 | 13073.2 | 13233.0 | 13414.0 | 14083.9 | 14323.6 | 15910.2 | 15738.6 | 14403.5 | 15550.5 |
| 57.5° | 13919.3 | 13825.3 | 14072.1 | 14429.4 | 15512.9 | 15802.0 | 17665.9 | 17080.7 | 15120.4 | 16408.4 |
| 60°   | 15026.4 | 15040.5 | 15082.8 | 15534.1 | 16939.6 | 17311.0 | 19395.9 | 18349.9 | 15581.1 | 16934.9 |
| 62.5° | 16356.7 | 16377.9 | 16464.9 | 17158.2 | 18855.3 | 19205.5 | 21238.6 | 19388.8 | 15792.6 | 16786.9 |
| 65°   | 16265.1 | 16354.4 | 17325.1 | 19696.7 | 21767.5 | 22113.0 | 23389.3 | 20117.4 | 15473.0 | 15433.0 |
| 67.5° | 14817.2 | 14962.9 | 16587.1 | 22728.8 | 26158.1 | 26543.6 | 25988.9 | 20260.8 | 14093.3 | 12001.4 |
| 70°   | 12918.0 | 12969.7 | 14923.0 | 25455.3 | 31242.1 | 31632.3 | 28315.8 | 18683.7 | 10694.5 | 6694.1  |
| 72.5° | 10088.1 | 10099.9 | 12391.5 | 26087.6 | 34001.5 | 34022.7 | 26489.5 | 13870.0 | 5751.5  | 2571.4  |
| 75°   | 7206.5  | 7135.9  | 8299.4  | 21156.3 | 29914.1 | 30153.8 | 19858.9 | 6506.0  | 2197.7  | 1215.2  |
| 77.5° | 3864.1  | 3941.7  | 4696.2  | 12546.7 | 20665.1 | 21074.1 | 10835.5 | 1875.7  | 1118.8  | 827.4   |
| 80°   | 1194.0  | 1259.8  | 1925.0  | 5744.5  | 11705.2 | 11952.0 | 4016.9  | 834.4   | 780.3   | 590.0   |
| 82.5° | 376.1   | 390.2   | 897.9   | 2413.9  | 4858.4  | 4971.2  | 1163.5  | 472.4   | 533.6   | 390.2   |
| 85°   | 108.1   | 110.5   | 399.6   | 900.2   | 1201.1  | 1224.6  | 326.7   | 183.3   | 305.6   | 242.1   |
| 87.5° | 11.8    | 37.6    | 150.4   | 150.4   | 105.8   | 103.4   | 35.3    | 40.0    | 87.0    | 30.6    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4649.2  | 0°    | 4649.2  | 4649.2 | 4649.2 | 4649.2 | 4649.2 | 4649.2 | 4649.2 | 4649.2 | 4649.2 | 4649.2 |
| 4670.3  | 2.5°  | 4658.6  | 4660.9 | 4630.4 | 4578.7 | 4522.3 | 4475.2 | 4416.5 | 4369.5 | 4336.6 | 4327.2 |
| 4712.6  | 5°    | 4691.5  | 4675.0 | 4588.1 | 4430.6 | 4242.6 | 4080.4 | 3899.4 | 3756.0 | 3662.0 | 3622.0 |
| 4757.3  | 7.5°  | 4740.8  | 4693.8 | 4503.5 | 4193.2 | 3833.6 | 3513.9 | 3189.6 | 2938.1 | 2778.2 | 2698.3 |
| 4799.6  | 10°   | 4783.2  | 4689.1 | 4362.4 | 3850.0 | 3300.0 | 2815.8 | 2378.6 | 2075.4 | 1906.2 | 1826.3 |
| 4849.0  | 12.5° | 4823.1  | 4686.8 | 4179.1 | 3443.4 | 2698.3 | 2106.0 | 1699.4 | 1548.9 | 1501.9 | 1485.5 |
| 4928.9  | 15°   | 4898.3  | 4693.8 | 3948.7 | 2978.0 | 2098.9 | 1591.3 | 1443.2 | 1440.8 | 1450.2 | 1445.5 |
| 5051.1  | 17.5° | 5001.7  | 4700.9 | 3687.8 | 2484.4 | 1619.5 | 1403.2 | 1396.2 | 1417.3 | 1431.4 | 1424.4 |
| 5203.9  | 20°   | 5135.7  | 4729.1 | 3410.5 | 1995.5 | 1391.5 | 1356.2 | 1372.7 | 1391.5 | 1403.2 | 1391.5 |
| 5408.4  | 22.5° | 5323.8  | 4778.5 | 3107.3 | 1603.0 | 1318.6 | 1328.0 | 1342.1 | 1363.3 | 1375.0 | 1358.6 |
| 5669.3  | 25°   | 5554.1  | 4856.0 | 2808.8 | 1393.8 | 1283.3 | 1295.1 | 1316.2 | 1339.8 | 1353.9 | 1337.4 |
| 5998.3  | 27.5° | 5852.6  | 4980.6 | 2533.8 | 1346.8 | 1248.1 | 1255.1 | 1285.7 | 1320.9 | 1339.8 | 1318.6 |
| 6466.1  | 30°   | 6285.1  | 5185.1 | 2296.4 | 1368.0 | 1226.9 | 1210.5 | 1252.8 | 1302.1 | 1323.3 | 1304.5 |
| 7103.0  | 32.5° | 6858.6  | 5474.2 | 2150.7 | 1400.9 | 1217.5 | 1158.8 | 1198.7 | 1262.2 | 1297.4 | 1285.7 |
| 7935.1  | 35°   | 7610.7  | 5913.7 | 2094.2 | 1438.5 | 1210.5 | 1104.7 | 1132.9 | 1201.1 | 1262.2 | 1273.9 |
| 8983.4  | 37.5° | 8522.7  | 6524.8 | 2110.7 | 1454.9 | 1189.3 | 1060.1 | 1074.2 | 1132.9 | 1212.8 | 1250.4 |
| 10163.3 | 40°   | 9559.3  | 7237.0 | 2204.7 | 1438.5 | 1165.8 | 1022.4 | 1024.8 | 1069.5 | 1140.0 | 1196.4 |
| 11432.6 | 42.5° | 10628.7 | 8069.1 | 2378.6 | 1377.4 | 1144.7 | 989.5  | 982.5  | 1013.0 | 1060.1 | 1100.0 |
| 12699.4 | 45°   | 11646.4 | 8924.6 | 2550.2 | 1292.7 | 1118.8 | 956.6  | 940.2  | 951.9  | 961.3  | 977.8  |
| 13933.4 | 47.5° | 12534.9 | 9526.3 | 2500.9 | 1215.2 | 1083.6 | 919.0  | 890.8  | 886.1  | 857.9  | 855.6  |
| 15035.8 | 50°   | 13148.4 | 9658.0 | 2221.2 | 1137.6 | 1031.8 | 876.7  | 832.1  | 803.9  | 754.5  | 731.0  |
| 15860.8 | 52.5° | 13343.5 | 9138.5 | 1814.5 | 1060.1 | 947.2  | 820.3  | 756.8  | 712.2  | 651.1  | 629.9  |
| 16335.6 | 55°   | 13084.9 | 8120.8 | 1450.2 | 966.0  | 829.7  | 745.1  | 674.6  | 615.8  | 566.5  | 540.6  |
| 16387.3 | 57.5° | 12452.7 | 6825.7 | 1147.0 | 855.6  | 705.1  | 660.5  | 590.0  | 531.2  | 488.9  | 463.0  |
| 15813.8 | 60°   | 11404.4 | 5420.1 | 907.3  | 723.9  | 601.7  | 568.8  | 495.9  | 458.3  | 420.7  | 390.2  |
| 14333.0 | 62.5° | 9813.1  | 3868.8 | 712.2  | 573.5  | 503.0  | 465.4  | 423.1  | 394.9  | 350.2  | 307.9  |
| 11670.0 | 65°   | 7657.7  | 2366.9 | 550.0  | 420.7  | 404.3  | 385.5  | 359.6  | 333.8  | 279.7  | 237.4  |
| 7613.1  | 67.5° | 4830.2  | 1121.2 | 392.5  | 317.3  | 319.7  | 310.3  | 298.5  | 277.4  | 237.4  | 199.8  |
| 3410.5  | 70°   | 2127.2  | 543.0  | 258.5  | 242.1  | 237.4  | 237.4  | 246.8  | 239.7  | 202.1  | 166.9  |
| 1184.6  | 72.5° | 723.9   | 291.5  | 192.7  | 183.3  | 171.6  | 169.2  | 206.8  | 199.8  | 162.2  | 129.3  |
| 590.0   | 75°   | 378.4   | 195.1  | 141.0  | 131.6  | 103.4  | 124.6  | 164.5  | 155.1  | 115.2  | 84.6   |
| 390.2   | 77.5° | 246.8   | 138.7  | 96.4   | 84.6   | 58.8   | 82.3   | 122.2  | 108.1  | 68.2   | 42.3   |
| 256.2   | 80°   | 155.1   | 91.7   | 56.4   | 40.0   | 28.2   | 44.7   | 65.8   | 47.0   | 25.9   | 9.4    |
| 150.4   | 82.5° | 82.3    | 47.0   | 21.2   | 14.1   | 11.8   | 14.1   | 16.5   | 11.8   | 4.7    | 0.0    |
| 77.6    | 85°   | 32.9    | 16.5   | 7.1    | 4.7    | 2.4    | 0.0    | 4.7    | 2.4    | 0.0    | 0.0    |
| 14.1    | 87.5° | 11.8    | 2.4    | 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°   |
|--------|
| 4649.2 |
| 4343.6 |
| 3636.1 |
| 2710.1 |
| 1828.6 |
| 1480.8 |
| 1443.2 |
| 1422.0 |
| 1389.1 |
| 1356.2 |
| 1335.1 |
| 1318.6 |
| 1302.1 |
| 1285.7 |
| 1273.9 |
| 1259.8 |
| 1215.2 |
| 1116.5 |
| 987.2  |
| 853.2  |
| 733.3  |
| 627.6  |
| 540.6  |
| 458.3  |
| 383.1  |
| 300.9  |
| 230.3  |
| 195.1  |
| 159.8  |
| 122.2  |
| 77.6   |
| 37.6   |
| 7.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |