

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: P941805

Luminaire Tested: **GLAN-SB5C-735-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37484 lumens  
Efficiency: N/A  
Efficacy: 150.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 249.5  
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

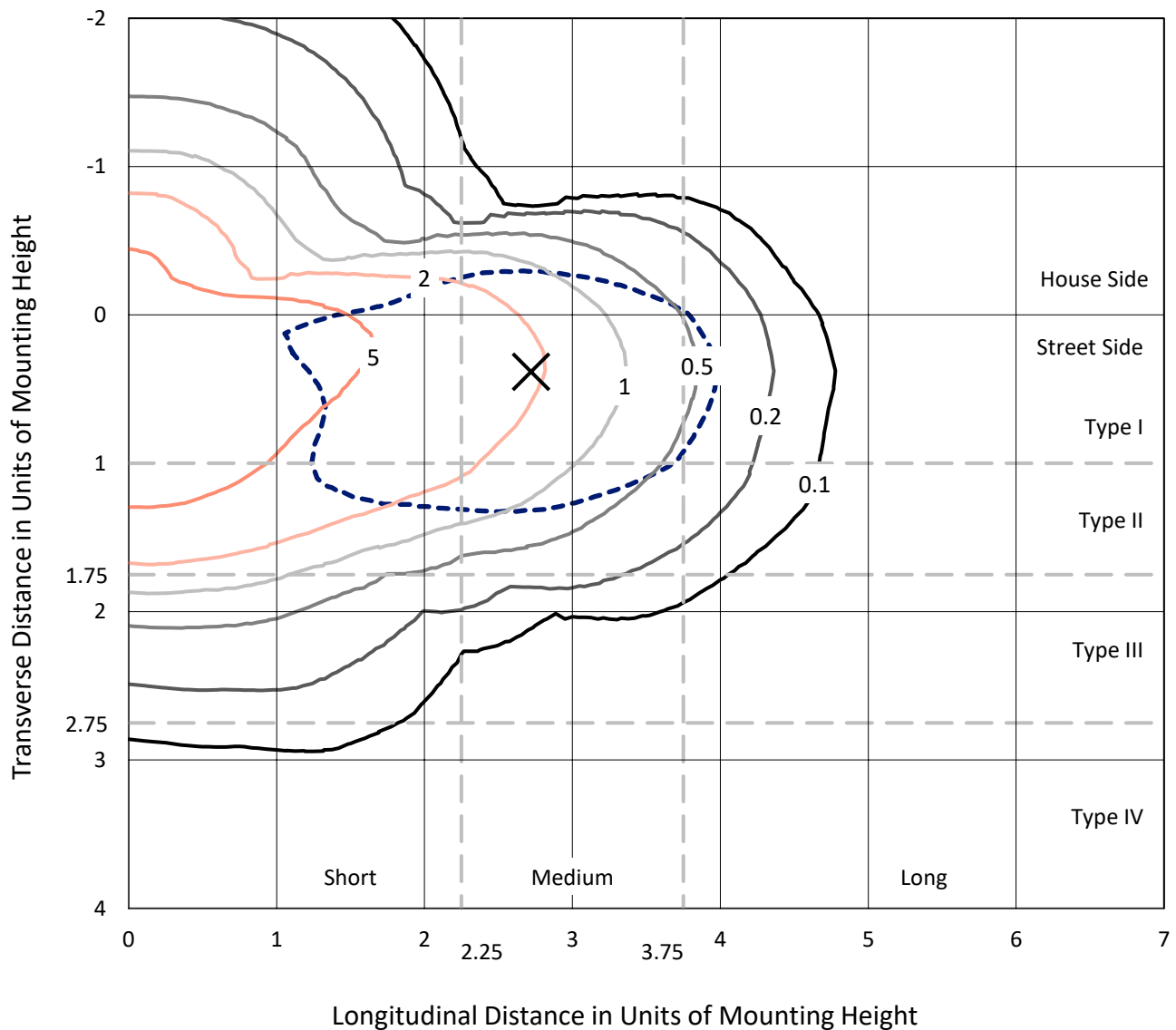


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## Iso-Footcandle Lines of Horizontal Illumination

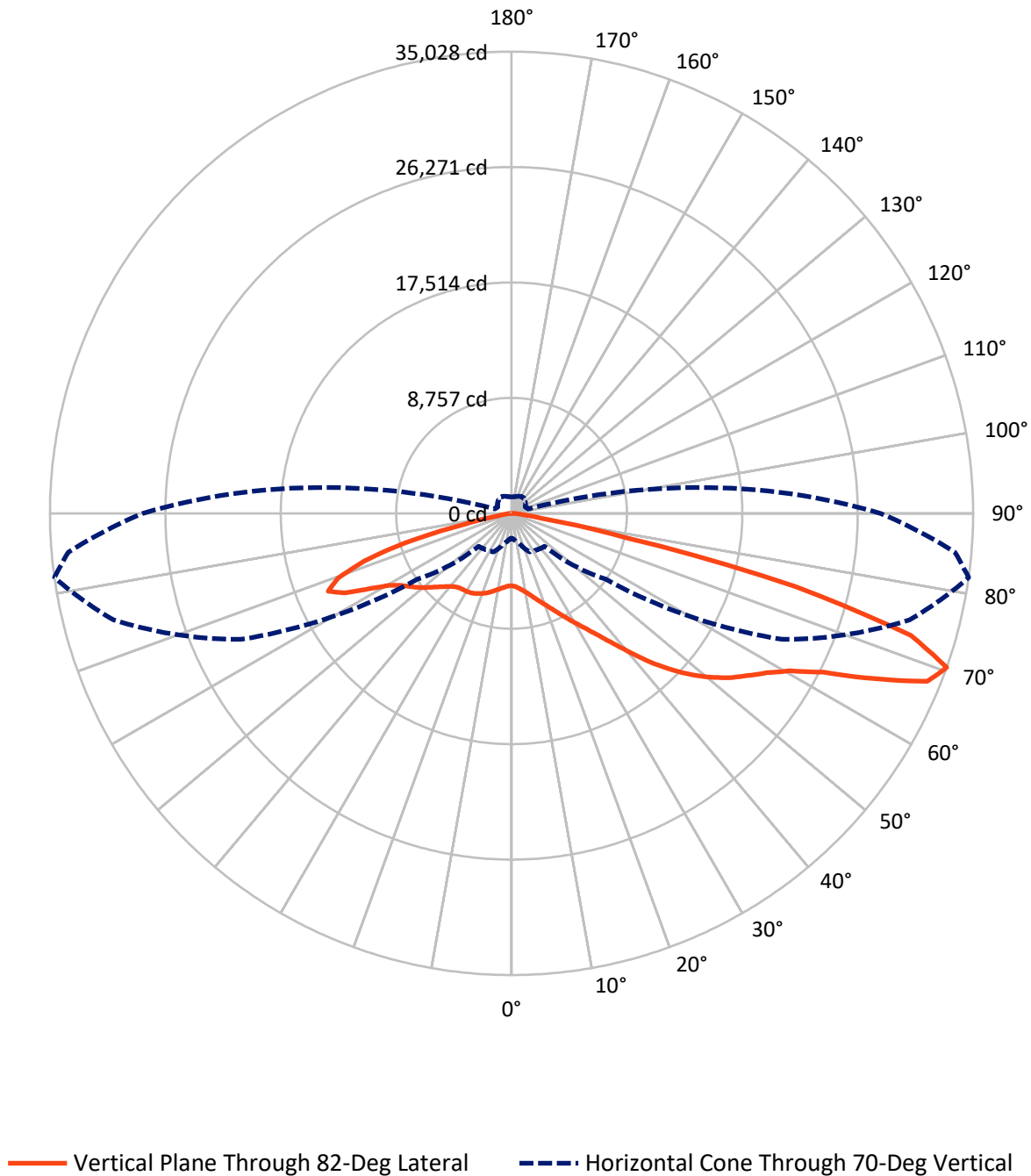
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9240.7   | 0.0    | 9240.7  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 28243.3  | 0.0    | 28243.3 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 37484.0  | 0.0    | 37484.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 518.9   | 1.4       |
| 10°-20°   | 1490.8  | 4.0       |
| 20°-30°   | 2493.9  | 6.7       |
| 30°-40°   | 3896.2  | 10.4      |
| 40°-50°   | 6205.1  | 16.6      |
| 50°-60°   | 8635.2  | 23.0      |
| 60°-70°   | 9032.8  | 24.1      |
| 70°-80°   | 4721.0  | 12.6      |
| 80°-90°   | 490.2   | 1.3       |
| 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°    | 37484.0 | 100.0     |
| 0°-180°   | 37484.0 | 100.0     |

**Coefficient of Utilization**



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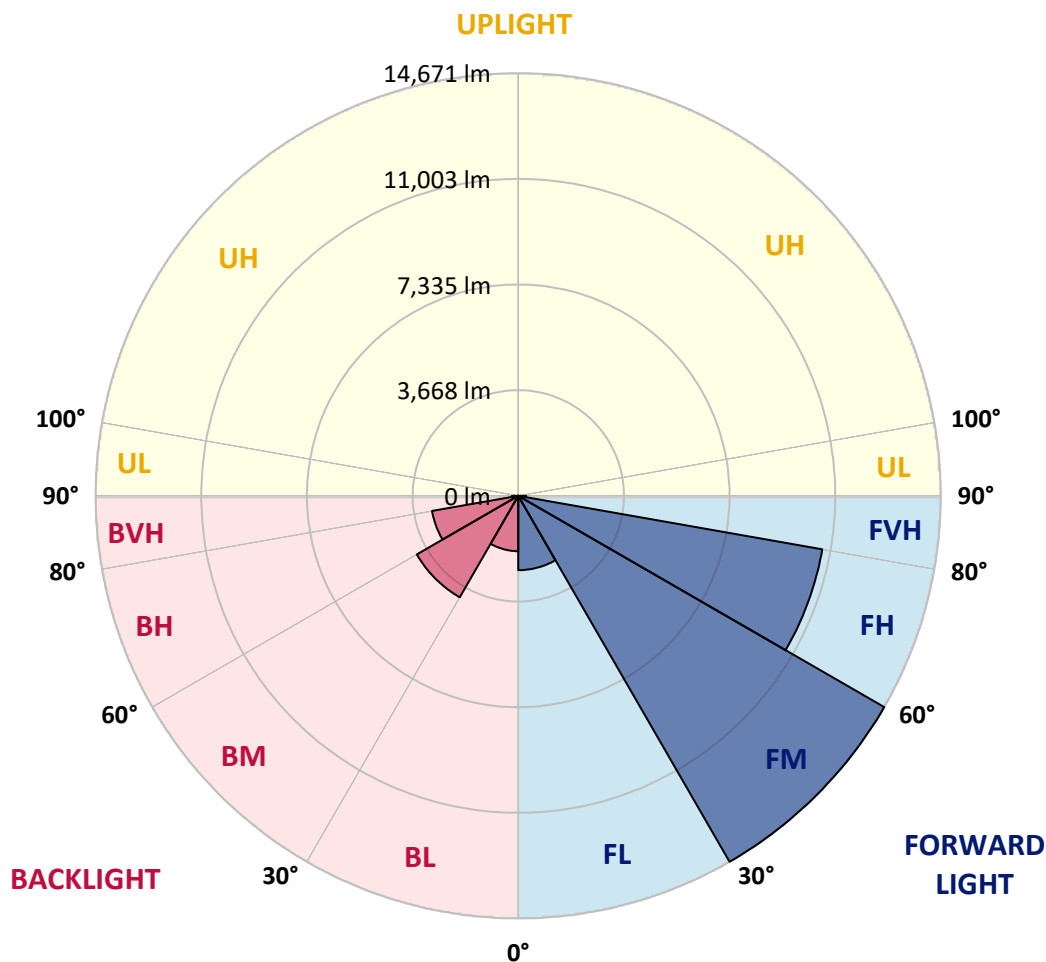
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2581.2  | 6.9       |                         |      |          |
| FM   | (30°-60°)   | 14670.9 | 39.1      |                         |      |          |
| FH   | (60°-80°)   | 10716.8 | 28.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 274.4   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1922.4  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4065.6  | 10.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 3037.0  | 8.1       | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 215.8   | 0.6       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5495.6  | 5495.6  | 5495.6  | 5495.6  | 5495.6  | 5495.6  | 5495.6  | 5495.6  | 5495.6  | 5495.6  |
| 2.5°  | 5626.9  | 5658.7  | 5648.8  | 5638.8  | 5638.8  | 5624.9  | 5622.9  | 5603.0  | 5587.1  | 5561.3  |
| 5°    | 5698.5  | 5732.3  | 5728.3  | 5736.3  | 5762.1  | 5768.1  | 5774.1  | 5762.1  | 5730.3  | 5698.5  |
| 7.5°  | 5634.9  | 5672.6  | 5684.6  | 5732.3  | 5811.9  | 5883.5  | 5937.2  | 5959.1  | 5929.2  | 5883.5  |
| 10°   | 5420.0  | 5461.8  | 5503.6  | 5617.0  | 5758.2  | 5927.2  | 6070.4  | 6156.0  | 6150.0  | 6106.2  |
| 12.5° | 4984.4  | 5028.2  | 5117.7  | 5338.5  | 5597.1  | 5895.4  | 6161.9  | 6341.0  | 6402.6  | 6370.8  |
| 15°   | 4636.4  | 4674.2  | 4741.8  | 4968.5  | 5304.7  | 5758.2  | 6195.8  | 6543.8  | 6701.0  | 6683.1  |
| 17.5° | 4626.4  | 4642.3  | 4684.1  | 4791.5  | 5050.1  | 5543.4  | 6160.0  | 6742.7  | 7043.1  | 7041.1  |
| 20°   | 4801.5  | 4807.4  | 4831.3  | 4853.2  | 5000.4  | 5380.3  | 6068.5  | 6907.8  | 7426.9  | 7426.9  |
| 22.5° | 5044.1  | 5040.1  | 5064.0  | 5044.1  | 5115.7  | 5366.3  | 6010.8  | 7053.0  | 7854.6  | 7886.4  |
| 25°   | 5408.1  | 5388.2  | 5382.2  | 5336.5  | 5350.4  | 5495.6  | 6074.4  | 7218.1  | 8361.8  | 8427.4  |
| 27.5° | 5893.4  | 5861.6  | 5839.7  | 5734.3  | 5698.5  | 5762.1  | 6269.3  | 7417.0  | 8926.7  | 9040.0  |
| 30°   | 6525.9  | 6468.2  | 6436.4  | 6253.4  | 6124.1  | 6134.1  | 6563.7  | 7681.5  | 9517.4  | 9700.4  |
| 32.5° | 7389.2  | 7299.7  | 7214.1  | 6913.8  | 6677.1  | 6599.5  | 6943.6  | 8047.5  | 10157.9 | 10450.2 |
| 35°   | 8355.8  | 8284.2  | 8192.7  | 7729.3  | 7365.3  | 7186.3  | 7456.8  | 8558.7  | 10907.7 | 11371.1 |
| 37.5° | 9286.7  | 9225.0  | 9268.8  | 8644.2  | 8174.8  | 7914.3  | 8129.1  | 9244.9  | 11832.6 | 12516.8 |
| 40°   | 10249.3 | 10201.6 | 10207.6 | 9610.9  | 9063.9  | 8771.5  | 8944.6  | 10106.1 | 12892.7 | 13879.3 |
| 42.5° | 11295.6 | 11259.8 | 11140.4 | 10611.3 | 9996.7  | 9724.2  | 9883.4  | 11100.6 | 14030.4 | 15430.7 |
| 45°   | 12467.1 | 12445.2 | 12333.8 | 11727.2 | 11023.1 | 10716.8 | 10931.6 | 12198.6 | 15174.1 | 16890.6 |
| 47.5° | 13479.5 | 13497.4 | 13483.5 | 12972.3 | 12242.3 | 11792.8 | 12049.4 | 13344.2 | 16238.2 | 18263.1 |
| 50°   | 13966.8 | 14060.3 | 14197.5 | 14038.4 | 13584.9 | 13127.4 | 13177.2 | 14450.1 | 17252.6 | 19549.9 |
| 52.5° | 13712.2 | 13889.2 | 14263.2 | 14517.8 | 14692.8 | 14597.3 | 14464.1 | 15548.1 | 18207.4 | 20711.5 |
| 55°   | 12763.5 | 13012.1 | 13632.6 | 14247.2 | 15140.3 | 15834.5 | 16009.5 | 16765.3 | 19138.2 | 21733.9 |
| 57.5° | 11035.0 | 11438.8 | 11995.7 | 13238.8 | 14742.5 | 16433.2 | 17811.5 | 18454.0 | 20124.8 | 22825.8 |
| 60°   | 8071.4  | 8612.4  | 9304.6  | 11154.3 | 13350.2 | 16112.9 | 19345.1 | 21047.7 | 21527.0 | 24240.0 |
| 62.5° | 5165.4  | 5499.6  | 6136.1  | 7878.5  | 10402.5 | 14472.0 | 19814.5 | 24289.7 | 23903.9 | 26559.2 |
| 65°   | 3536.5  | 3751.3  | 4334.0  | 5312.6  | 6724.8  | 10772.5 | 18557.4 | 26720.3 | 27679.0 | 30234.9 |
| 67.5° | 2569.8  | 2732.9  | 3230.1  | 4087.4  | 4381.8  | 6374.8  | 14400.4 | 26608.9 | 31348.7 | 34021.9 |
| 70°   | 1873.6  | 1989.0  | 2406.7  | 3230.1  | 3371.4  | 3546.4  | 8723.8  | 22619.0 | 31269.2 | 35028.4 |
| 72.5° | 1388.3  | 1467.9  | 1748.3  | 2506.1  | 2728.9  | 2394.8  | 4318.1  | 16439.1 | 26869.5 | 31682.9 |
| 75°   | 1004.4  | 1064.1  | 1271.0  | 1917.4  | 2183.9  | 1823.9  | 2154.1  | 9606.9  | 18742.4 | 22286.8 |
| 77.5° | 767.8   | 813.5   | 948.8   | 1404.2  | 1748.3  | 1368.4  | 1336.6  | 4419.6  | 8886.9  | 8930.6  |
| 80°   | 616.6   | 646.4   | 720.0   | 988.5   | 1340.6  | 1024.3  | 871.2   | 1784.1  | 2808.5  | 2376.9  |
| 82.5° | 453.5   | 503.2   | 608.6   | 694.2   | 958.7   | 706.1   | 531.1   | 901.0   | 1068.1  | 918.9   |
| 85°   | 258.6   | 292.4   | 368.0   | 497.3   | 612.6   | 431.6   | 304.3   | 399.8   | 497.3   | 407.7   |
| 87.5° | 91.5    | 119.3   | 129.3   | 194.9   | 266.5   | 179.0   | 117.4   | 115.4   | 163.1   | 121.3   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5495.6  | 0°    | 5495.6  | 5495.6  | 5495.6 | 5495.6 | 5495.6 | 5495.6 | 5495.6 | 5495.6 | 5495.6 | 5495.6 |
| 5555.3  | 2.5°  | 5535.4  | 5525.5  | 5485.7 | 5432.0 | 5376.3 | 5322.6 | 5304.7 | 5266.9 | 5241.0 | 5227.1 |
| 5684.6  | 5°    | 5646.8  | 5615.0  | 5521.5 | 5402.1 | 5276.8 | 5141.6 | 5046.1 | 4958.6 | 4894.9 | 4835.3 |
| 5861.6  | 7.5°  | 5805.9  | 5750.2  | 5589.1 | 5380.3 | 5157.5 | 4932.7 | 4765.7 | 4638.4 | 4552.8 | 4497.1 |
| 6068.5  | 10°   | 5990.9  | 5905.4  | 5658.7 | 5346.4 | 5002.3 | 4680.1 | 4483.2 | 4373.8 | 4320.1 | 4290.3 |
| 6305.1  | 12.5° | 6203.7  | 6082.4  | 5730.3 | 5268.9 | 4765.7 | 4397.7 | 4262.4 | 4230.6 | 4232.6 | 4234.6 |
| 6603.5  | 15°   | 6466.3  | 6297.2  | 5788.0 | 5099.8 | 4457.4 | 4180.9 | 4157.0 | 4208.7 | 4262.4 | 4288.3 |
| 6941.6  | 17.5° | 6762.6  | 6523.9  | 5798.0 | 4821.4 | 4155.0 | 4041.7 | 4117.2 | 4228.6 | 4310.2 | 4346.0 |
| 7319.5  | 20°   | 7080.9  | 6754.7  | 5726.3 | 4427.5 | 3906.4 | 3928.3 | 4063.5 | 4206.7 | 4296.3 | 4342.0 |
| 7751.2  | 22.5° | 7444.8  | 7001.3  | 5555.3 | 4013.8 | 3703.5 | 3805.0 | 3964.1 | 4103.3 | 4196.8 | 4242.5 |
| 8258.4  | 25°   | 7860.6  | 7277.8  | 5286.8 | 3665.7 | 3528.5 | 3665.7 | 3824.9 | 3940.2 | 4015.8 | 4057.6 |
| 8825.2  | 27.5° | 8322.0  | 7566.2  | 4928.8 | 3389.3 | 3375.3 | 3522.5 | 3653.8 | 3743.3 | 3783.1 | 3814.9 |
| 9427.9  | 30°   | 8785.4  | 7828.7  | 4495.2 | 3180.4 | 3242.1 | 3381.3 | 3474.8 | 3514.6 | 3526.5 | 3532.5 |
| 10100.2 | 32.5° | 9286.7  | 8055.5  | 4039.7 | 3007.4 | 3114.8 | 3244.1 | 3299.8 | 3317.7 | 3262.0 | 3224.2 |
| 10915.7 | 35°   | 9893.3  | 8298.1  | 3594.1 | 2870.1 | 2989.5 | 3100.9 | 3118.8 | 3102.8 | 3037.2 | 2959.6 |
| 11938.0 | 37.5° | 10643.2 | 8600.5  | 3238.1 | 2772.7 | 2872.1 | 2945.7 | 2923.8 | 2919.9 | 2925.8 | 2834.3 |
| 13167.2 | 40°   | 11562.1 | 8994.3  | 2977.5 | 2697.1 | 2776.7 | 2792.6 | 2730.9 | 2764.7 | 2794.6 | 2655.3 |
| 14515.8 | 42.5° | 12582.5 | 9469.7  | 2812.5 | 2645.4 | 2697.1 | 2659.3 | 2563.8 | 2601.6 | 2597.6 | 2414.7 |
| 15870.3 | 45°   | 13622.7 | 9986.8  | 2754.8 | 2607.6 | 2623.5 | 2547.9 | 2442.5 | 2452.4 | 2368.9 | 2203.8 |
| 17169.1 | 47.5° | 14657.0 | 10541.7 | 2790.6 | 2575.8 | 2532.0 | 2446.5 | 2364.9 | 2321.2 | 2197.9 | 2074.5 |
| 18414.2 | 50°   | 15671.4 | 11124.5 | 2921.8 | 2512.1 | 2406.7 | 2357.0 | 2297.3 | 2219.7 | 2088.5 | 1983.0 |
| 19591.7 | 52.5° | 16612.2 | 11711.3 | 3069.0 | 2406.7 | 2249.6 | 2279.4 | 2241.6 | 2152.1 | 2022.8 | 1915.4 |
| 20705.6 | 55°   | 17503.3 | 12298.0 | 3126.7 | 2261.5 | 2102.4 | 2211.8 | 2189.9 | 2024.8 | 1869.7 | 1782.1 |
| 21871.1 | 57.5° | 18473.9 | 13004.1 | 3063.1 | 2076.5 | 1983.0 | 2134.2 | 2050.7 | 1867.7 | 1778.2 | 1712.5 |
| 23388.7 | 60°   | 19818.5 | 14112.0 | 2925.8 | 1847.8 | 1869.7 | 2018.8 | 1875.6 | 1800.1 | 1702.6 | 1629.0 |
| 25664.1 | 62.5° | 22052.1 | 16178.6 | 2705.0 | 1621.0 | 1736.4 | 1847.8 | 1792.1 | 1716.5 | 1617.1 | 1545.5 |
| 29554.6 | 65°   | 25353.9 | 19050.7 | 2289.3 | 1444.0 | 1587.2 | 1680.7 | 1702.6 | 1627.0 | 1523.6 | 1448.0 |
| 32963.8 | 67.5° | 28138.5 | 20852.7 | 1732.4 | 1296.8 | 1434.1 | 1545.5 | 1607.1 | 1533.5 | 1424.1 | 1350.5 |
| 33761.4 | 70°   | 27985.3 | 19544.0 | 1322.7 | 1151.6 | 1298.8 | 1412.2 | 1491.8 | 1434.1 | 1316.7 | 1247.1 |
| 30666.5 | 72.5° | 24856.6 | 16349.6 | 1070.1 | 1004.4 | 1161.6 | 1273.0 | 1368.4 | 1324.7 | 1205.3 | 1137.7 |
| 22465.8 | 75°   | 18261.1 | 11605.8 | 855.3  | 855.3  | 990.5  | 1127.8 | 1233.2 | 1205.3 | 1095.9 | 1048.2 |
| 9431.9  | 77.5° | 7697.5  | 4869.1  | 670.3  | 710.1  | 823.4  | 968.6  | 1099.9 | 1109.9 | 1014.4 | 1074.1 |
| 2494.2  | 80°   | 2046.7  | 1342.6  | 511.2  | 558.9  | 646.4  | 799.6  | 956.7  | 952.7  | 849.3  | 793.6  |
| 926.9   | 82.5° | 779.7   | 529.1   | 364.0  | 393.8  | 467.4  | 612.6  | 757.8  | 781.7  | 678.3  | 586.8  |
| 364.0   | 85°   | 300.3   | 226.7   | 224.8  | 236.7  | 272.5  | 405.8  | 572.8  | 592.7  | 511.2  | 433.6  |
| 101.4   | 87.5° | 77.6    | 67.6    | 83.5   | 79.6   | 125.3  | 216.8  | 328.2  | 340.1  | 312.3  | 181.0  |
| 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°   |
|--------|
| 5495.6 |
| 5243.0 |
| 4859.1 |
| 4509.1 |
| 4298.2 |
| 4238.6 |
| 4286.3 |
| 4353.9 |
| 4353.9 |
| 4254.5 |
| 4069.5 |
| 3826.8 |
| 3546.4 |
| 3236.1 |
| 2963.6 |
| 2840.3 |
| 2659.3 |
| 2412.7 |
| 2209.8 |
| 2074.5 |
| 1975.1 |
| 1917.4 |
| 1774.2 |
| 1706.6 |
| 1625.0 |
| 1545.5 |
| 1452.0 |
| 1352.5 |
| 1253.1 |
| 1137.7 |
| 1034.3 |
| 974.6  |
| 737.9  |
| 586.8  |
| 447.5  |
| 258.6  |
| 0.0    |