

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: P942549

Luminaire Tested: **GLAN-SB6C-835-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942549  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 41634 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 300.9  
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



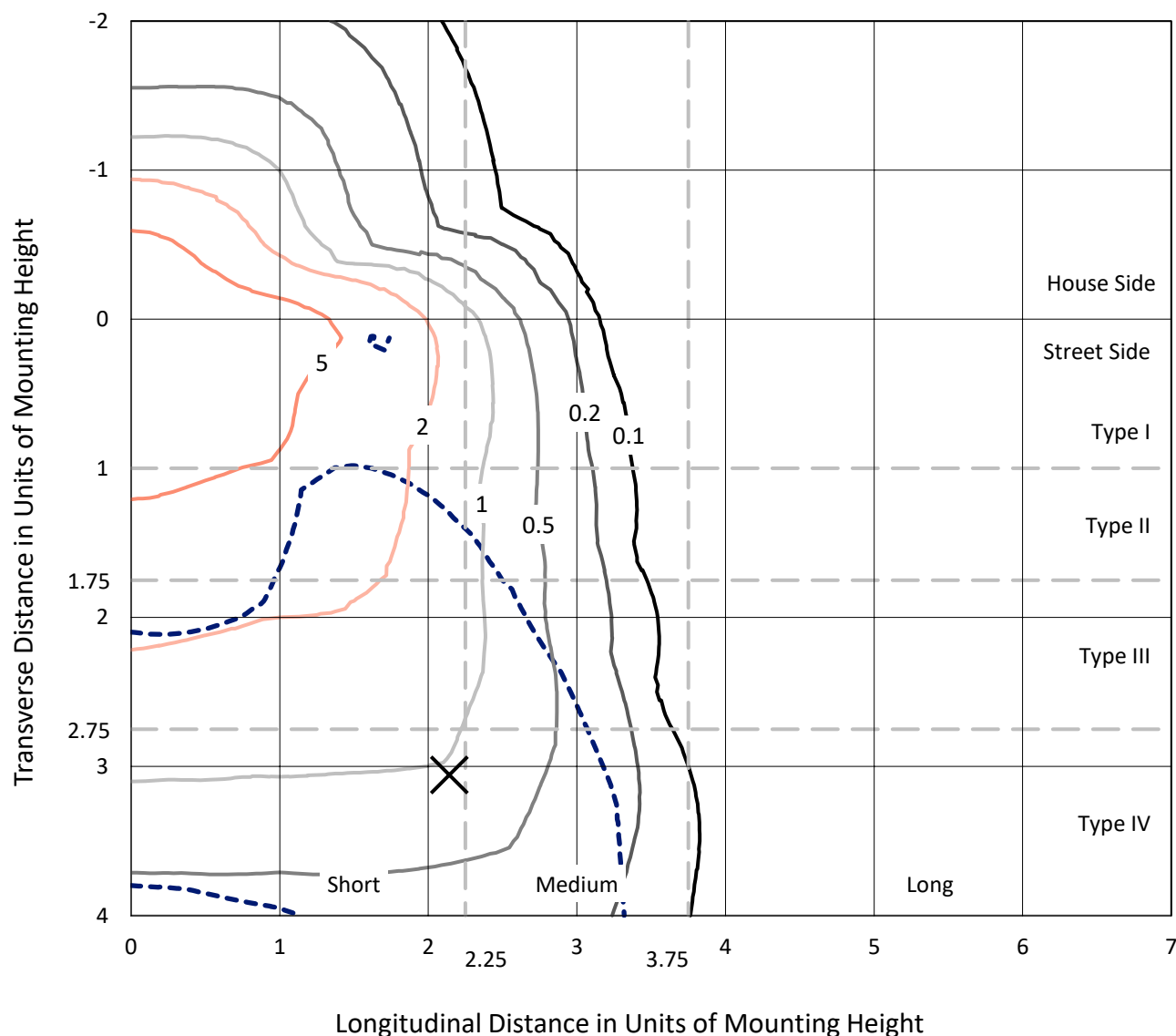
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

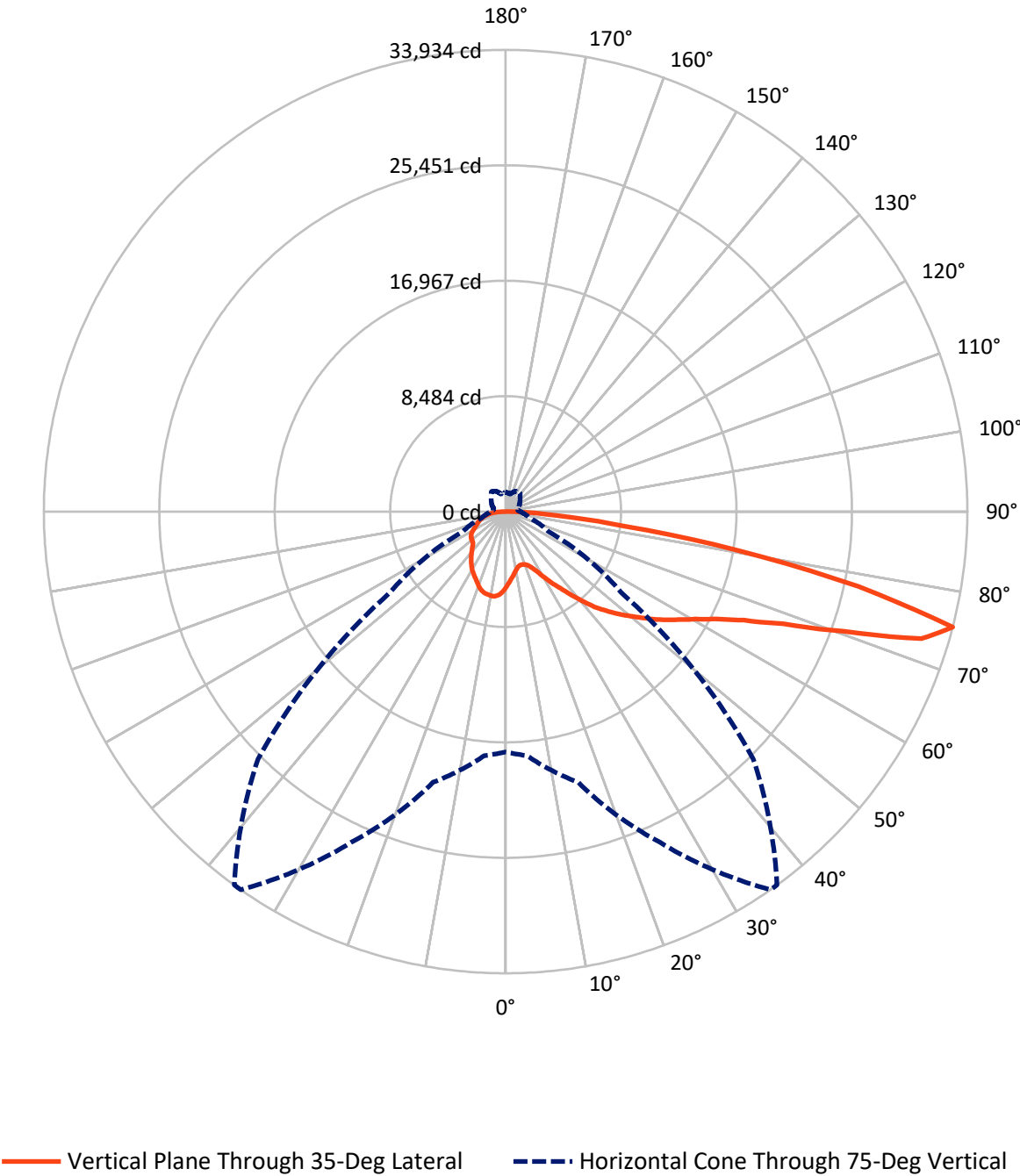


Based on 25 foot mounting height. Maximum calculated value = 9.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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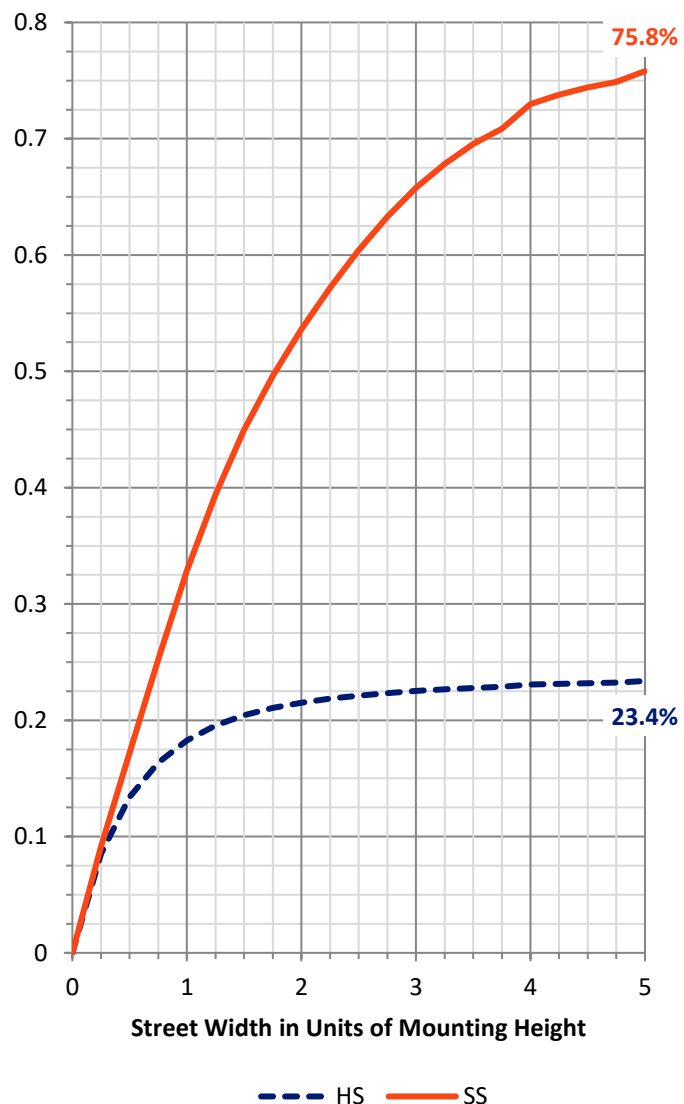
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9907.9   | 0.0    | 9907.9  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 31726.2  | 0.0    | 31726.2 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 41634.0  | 0.0    | 41634.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 525.3   | 1.3       |
| 10°-20°   | 1515.2  | 3.6       |
| 20°-30°   | 2544.3  | 6.1       |
| 30°-40°   | 3954.3  | 9.5       |
| 40°-50°   | 5869.2  | 14.1      |
| 50°-60°   | 8102.7  | 19.5      |
| 60°-70°   | 9830.5  | 23.6      |
| 70°-80°   | 8124.1  | 19.5      |
| 80°-90°   | 1168.5  | 2.8       |
| 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°    | 41634.0 | 100.0     |
| 0°-180°   | 41634.0 | 100.0     |

**Coefficient of Utilization**



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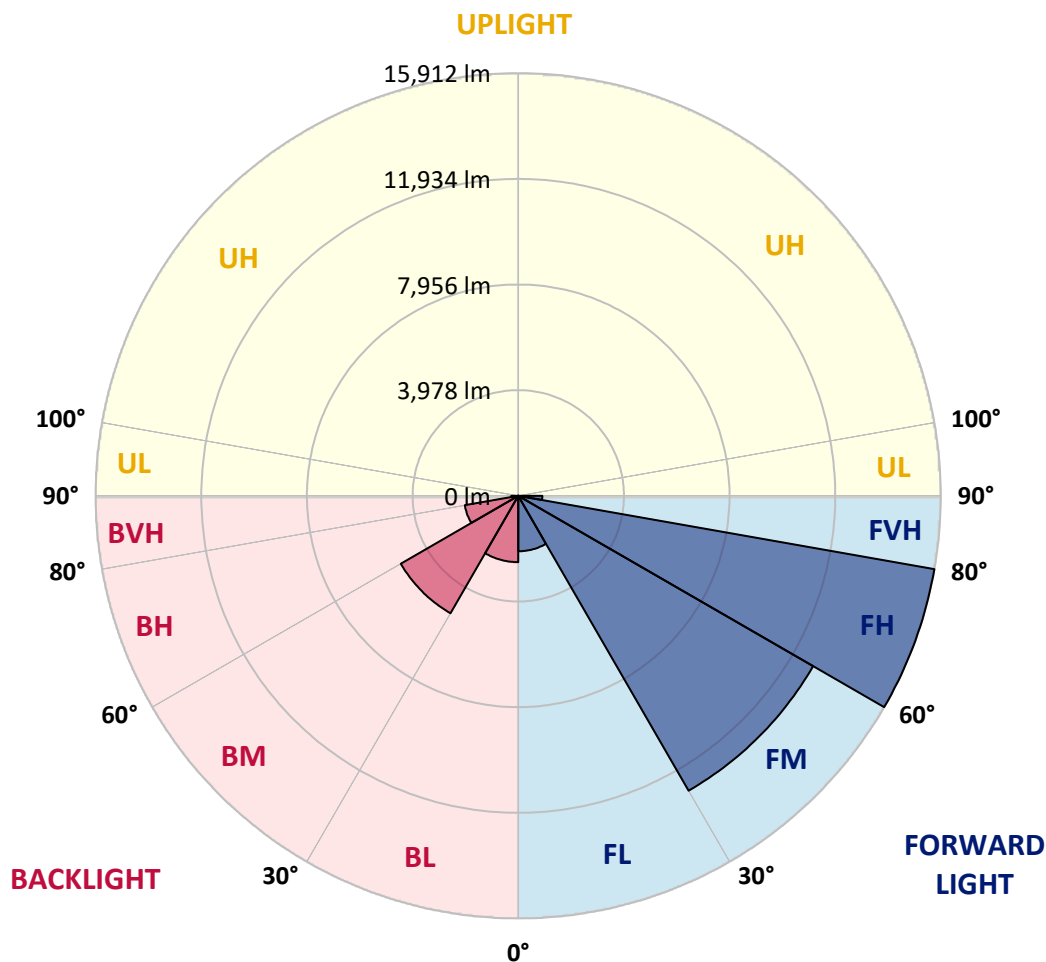
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2087.9  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 12821.0 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 15911.9 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 905.4   | 2.2       |                         |      | G5      |
| BL   | (0°-30°)    | 2496.9  | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5105.1  | 12.3      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2042.7  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 263.1   | 0.6       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5548.0  | 5548.0  | 5548.0  | 5548.0  | 5548.0  | 5548.0  | 5548.0  | 5548.0  | 5548.0  | 5548.0  |
| 2.5°  | 5115.9  | 5147.4  | 5160.9  | 5154.1  | 5187.9  | 5183.4  | 5230.7  | 5289.2  | 5370.2  | 5449.0  |
| 5°    | 4722.0  | 4755.8  | 4785.0  | 4812.0  | 4877.3  | 4897.6  | 4971.8  | 5084.4  | 5232.9  | 5383.7  |
| 7.5°  | 4355.1  | 4384.4  | 4429.4  | 4478.9  | 4589.2  | 4609.5  | 4733.3  | 4908.8  | 5115.9  | 5336.4  |
| 10°   | 4055.8  | 4085.0  | 4132.3  | 4188.6  | 4325.9  | 4350.6  | 4508.2  | 4742.3  | 5012.3  | 5291.4  |
| 12.5° | 3927.5  | 3936.5  | 3963.5  | 4019.8  | 4139.1  | 4154.8  | 4328.1  | 4596.0  | 4911.1  | 5257.7  |
| 15°   | 3920.7  | 3938.8  | 3941.0  | 3970.3  | 4069.3  | 4076.0  | 4235.8  | 4501.4  | 4848.0  | 5250.9  |
| 17.5° | 3988.3  | 4001.8  | 3981.5  | 3999.5  | 4082.8  | 4094.1  | 4220.1  | 4456.4  | 4827.8  | 5280.2  |
| 20°   | 4168.3  | 4179.6  | 4118.8  | 4094.1  | 4154.8  | 4163.8  | 4287.6  | 4485.7  | 4848.0  | 5340.9  |
| 22.5° | 4550.9  | 4557.7  | 4409.2  | 4307.9  | 4312.4  | 4316.9  | 4424.9  | 4605.0  | 4926.8  | 5451.2  |
| 25°   | 5147.4  | 5142.9  | 4906.6  | 4710.7  | 4598.2  | 4573.5  | 4645.5  | 4798.5  | 5059.6  | 5597.5  |
| 27.5° | 5845.1  | 5811.3  | 5575.0  | 5282.4  | 5037.1  | 5001.1  | 4985.3  | 5050.6  | 5248.7  | 5791.1  |
| 30°   | 6632.9  | 6601.3  | 6347.0  | 5964.4  | 5624.5  | 5566.0  | 5417.5  | 5383.7  | 5530.0  | 6054.4  |
| 32.5° | 7497.1  | 7476.9  | 7173.0  | 6709.4  | 6254.7  | 6187.2  | 5937.4  | 5847.4  | 5962.1  | 6452.8  |
| 35°   | 8221.9  | 8203.9  | 7951.8  | 7474.6  | 6918.7  | 6835.4  | 6581.1  | 6479.8  | 6538.3  | 6963.7  |
| 37.5° | 8876.8  | 8867.8  | 8651.7  | 8275.9  | 7701.9  | 7600.7  | 7314.8  | 7281.1  | 7269.8  | 7636.7  |
| 40°   | 9484.5  | 9462.0  | 9236.9  | 9038.9  | 8613.5  | 8521.2  | 8269.1  | 8239.9  | 8154.3  | 8464.9  |
| 42.5° | 10157.5 | 10099.0 | 9772.6  | 9680.3  | 9565.5  | 9489.0  | 9338.2  | 9342.7  | 9153.7  | 9399.0  |
| 45°   | 10706.7 | 10672.9 | 10337.5 | 10283.5 | 10407.3 | 10375.8 | 10506.3 | 10540.1 | 10173.2 | 10378.0 |
| 47.5° | 11296.3 | 11264.8 | 10981.2 | 10943.0 | 11278.3 | 11287.3 | 11748.7 | 11760.0 | 11168.0 | 11395.4 |
| 50°   | 12023.3 | 11978.3 | 11697.0 | 11744.2 | 12120.1 | 12153.9 | 12997.9 | 12921.4 | 12084.1 | 12428.4 |
| 52.5° | 12502.7 | 12529.7 | 12469.0 | 12545.5 | 13058.6 | 13090.2 | 14226.8 | 14031.0 | 12991.1 | 13448.0 |
| 55°   | 12856.1 | 12910.1 | 13099.2 | 13274.7 | 14049.0 | 14080.5 | 15385.9 | 15086.5 | 13742.9 | 14393.3 |
| 57.5° | 13310.7 | 13234.2 | 13587.6 | 13929.7 | 14989.8 | 15073.0 | 16513.5 | 16103.9 | 14409.1 | 15208.1 |
| 60°   | 13963.4 | 13909.4 | 14184.0 | 14690.4 | 16043.1 | 16175.9 | 17706.4 | 17019.9 | 14897.5 | 15854.0 |
| 62.5° | 15286.9 | 15151.8 | 15194.6 | 15642.5 | 17371.0 | 17546.6 | 19052.3 | 17818.9 | 15140.6 | 16106.1 |
| 65°   | 17265.2 | 17033.4 | 16817.3 | 17127.9 | 19241.4 | 19414.7 | 20571.5 | 18446.9 | 15050.5 | 15617.7 |
| 67.5° | 19756.8 | 19527.2 | 19261.6 | 19554.2 | 21996.2 | 22133.5 | 22446.4 | 18800.2 | 14341.6 | 13736.1 |
| 70°   | 21811.7 | 21726.2 | 22043.5 | 23247.6 | 26396.4 | 26400.9 | 24850.1 | 18507.6 | 12399.2 | 9738.8  |
| 72.5° | 21539.3 | 21487.6 | 23159.9 | 26882.5 | 31942.1 | 31822.9 | 27125.6 | 16292.9 | 8352.4  | 4393.4  |
| 75°   | 17670.4 | 18005.7 | 20596.3 | 26817.3 | 33934.0 | 33918.3 | 25732.4 | 10357.8 | 3454.8  | 1820.8  |
| 77.5° | 9475.5  | 10006.7 | 13371.5 | 19799.5 | 26490.9 | 26889.3 | 18091.2 | 3623.7  | 1483.2  | 1165.9  |
| 80°   | 3090.2  | 3553.9  | 5329.7  | 10081.0 | 17213.5 | 17139.2 | 7753.7  | 1422.5  | 1015.1  | 826.0   |
| 82.5° | 1312.2  | 1366.2  | 2381.3  | 4760.3  | 8834.1  | 8696.8  | 2469.0  | 817.0   | 713.5   | 564.9   |
| 85°   | 513.2   | 573.9   | 1051.1  | 2201.2  | 3826.2  | 3742.9  | 891.3   | 405.1   | 456.9   | 369.1   |
| 87.5° | 168.8   | 204.8   | 375.9   | 754.0   | 1190.6  | 1147.9  | 218.3   | 139.5   | 198.1   | 168.8   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5548.0  | 0°    | 5548.0  | 5548.0  | 5548.0 | 5548.0 | 5548.0 | 5548.0 | 5548.0 | 5548.0 | 5548.0 | 5548.0 |
| 5563.8  | 2.5°  | 5595.3  | 5631.3  | 5674.1 | 5737.1 | 5791.1 | 5836.1 | 5883.4 | 5912.6 | 5923.9 | 5957.6 |
| 5572.8  | 5°    | 5635.8  | 5714.6  | 5820.3 | 5923.9 | 6025.2 | 6085.9 | 6140.0 | 6167.0 | 6191.7 | 6209.7 |
| 5597.5  | 7.5°  | 5703.3  | 5804.6  | 5971.1 | 6106.2 | 6191.7 | 6241.2 | 6277.2 | 6268.2 | 6277.2 | 6281.7 |
| 5624.5  | 10°   | 5761.8  | 5903.6  | 6101.7 | 6230.0 | 6295.2 | 6297.5 | 6288.5 | 6257.0 | 6241.2 | 6243.5 |
| 5665.0  | 12.5° | 5831.6  | 5989.2  | 6203.0 | 6311.0 | 6329.0 | 6279.5 | 6241.2 | 6187.2 | 6167.0 | 6158.0 |
| 5725.8  | 15°   | 5926.1  | 6106.2  | 6313.3 | 6353.8 | 6308.8 | 6245.7 | 6180.5 | 6092.7 | 6047.7 | 6011.7 |
| 5829.4  | 17.5° | 6040.9  | 6239.0  | 6398.8 | 6369.5 | 6272.7 | 6169.2 | 6063.4 | 5930.6 | 5838.4 | 5800.1 |
| 5971.1  | 20°   | 6200.7  | 6378.5  | 6464.1 | 6335.8 | 6189.5 | 6031.9 | 5851.9 | 5689.8 | 5604.3 | 5566.0 |
| 6151.2  | 22.5° | 6394.3  | 6565.3  | 6527.1 | 6277.2 | 6070.2 | 5818.1 | 5593.0 | 5473.7 | 5431.0 | 5404.0 |
| 6383.0  | 25°   | 6626.1  | 6772.4  | 6572.1 | 6191.7 | 5874.4 | 5534.5 | 5361.2 | 5322.9 | 5302.7 | 5282.4 |
| 6666.6  | 27.5° | 6927.7  | 7006.5  | 6605.8 | 6065.7 | 5568.3 | 5232.9 | 5169.9 | 5176.6 | 5169.9 | 5136.1 |
| 7060.5  | 30°   | 7326.1  | 7310.3  | 6637.4 | 5860.9 | 5217.2 | 4960.6 | 4965.1 | 4994.3 | 4998.8 | 4976.3 |
| 7609.7  | 32.5° | 7850.5  | 7690.7  | 6653.1 | 5595.3 | 4881.8 | 4722.0 | 4726.5 | 4758.0 | 4780.5 | 4742.3 |
| 8327.6  | 35°   | 8485.2  | 8134.1  | 6628.4 | 5262.2 | 4623.0 | 4494.7 | 4460.9 | 4469.9 | 4476.7 | 4440.7 |
| 9198.7  | 37.5° | 9225.7  | 8631.5  | 6518.1 | 4893.1 | 4409.2 | 4271.9 | 4199.8 | 4139.1 | 4103.1 | 4069.3 |
| 10184.5 | 40°   | 10038.2 | 9173.9  | 6315.5 | 4532.9 | 4170.6 | 4035.5 | 3927.5 | 3812.7 | 3691.2 | 3646.2 |
| 11228.8 | 42.5° | 10889.0 | 9732.1  | 6070.2 | 4188.6 | 3896.0 | 3785.7 | 3670.9 | 3504.4 | 3322.1 | 3229.8 |
| 12313.7 | 45°   | 11771.2 | 10303.8 | 5829.4 | 3848.7 | 3614.6 | 3567.4 | 3434.6 | 3234.3 | 3036.2 | 2919.2 |
| 13400.8 | 47.5° | 12635.5 | 10843.9 | 5476.0 | 3506.6 | 3351.3 | 3403.1 | 3299.5 | 3115.0 | 2894.4 | 2709.9 |
| 14478.8 | 50°   | 13461.5 | 11350.4 | 4897.6 | 3160.0 | 3137.5 | 3353.6 | 3254.5 | 2988.9 | 2736.9 | 2500.5 |
| 15536.7 | 52.5° | 14280.8 | 11760.0 | 4157.1 | 2844.9 | 3022.7 | 3340.1 | 3196.0 | 2903.4 | 2595.1 | 2347.5 |
| 16531.5 | 55°   | 14976.3 | 11971.6 | 3443.6 | 2574.8 | 2856.2 | 3225.3 | 3126.2 | 2802.1 | 2394.8 | 2131.4 |
| 17213.5 | 57.5° | 15372.4 | 11800.5 | 2849.4 | 2309.2 | 2626.6 | 3036.2 | 3007.0 | 2586.1 | 2156.2 | 1953.6 |
| 17346.3 | 60°   | 15201.3 | 11107.3 | 2363.3 | 2077.4 | 2408.3 | 2831.4 | 2799.9 | 2372.3 | 1973.9 | 1782.6 |
| 16635.0 | 62.5° | 14258.3 | 9786.1  | 1978.4 | 1874.8 | 2210.2 | 2622.1 | 2592.8 | 2208.0 | 1834.3 | 1649.8 |
| 14746.7 | 65°   | 12358.7 | 7960.8  | 1679.0 | 1706.0 | 2009.9 | 2370.0 | 2412.8 | 2070.7 | 1724.0 | 1544.0 |
| 11408.9 | 67.5° | 9426.0  | 5766.3  | 1445.0 | 1559.7 | 1814.1 | 2122.4 | 2246.2 | 1971.6 | 1631.8 | 1460.7 |
| 6601.3  | 70°   | 5372.5  | 3274.8  | 1246.9 | 1418.0 | 1640.8 | 1892.9 | 2117.9 | 1892.9 | 1532.7 | 1390.9 |
| 2473.5  | 72.5° | 2036.9  | 1503.5  | 1078.1 | 1276.2 | 1474.2 | 1699.3 | 1976.1 | 1769.1 | 1418.0 | 1312.2 |
| 1278.4  | 75°   | 1087.1  | 916.0   | 907.0  | 1109.6 | 1282.9 | 1510.2 | 1798.3 | 1647.5 | 1332.4 | 1386.4 |
| 884.5   | 77.5° | 740.5   | 648.2   | 758.5  | 949.8  | 1073.6 | 1300.9 | 1609.3 | 1463.0 | 1154.6 | 1150.1 |
| 612.2   | 80°   | 513.2   | 459.1   | 616.7  | 765.2  | 830.5  | 1093.8 | 1404.4 | 1255.9 | 940.8  | 877.8  |
| 378.1   | 82.5° | 308.3   | 299.3   | 461.4  | 571.7  | 587.4  | 844.0  | 1163.6 | 1053.3 | 769.7  | 670.7  |
| 225.1   | 85°   | 168.8   | 177.8   | 294.8  | 335.4  | 342.1  | 589.7  | 911.5  | 814.8  | 591.9  | 497.4  |
| 81.0    | 87.5° | 47.3    | 60.8    | 108.0  | 132.8  | 164.3  | 306.1  | 542.4  | 483.9  | 297.1  | 207.1  |
| 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°   |
|--------|
| 5548.0 |
| 5955.4 |
| 6214.2 |
| 6288.5 |
| 6248.0 |
| 6153.5 |
| 6022.9 |
| 5802.3 |
| 5561.5 |
| 5408.5 |
| 5282.4 |
| 5142.9 |
| 4987.6 |
| 4760.3 |
| 4465.4 |
| 4091.8 |
| 3666.4 |
| 3241.0 |
| 2910.2 |
| 2689.6 |
| 2480.3 |
| 2320.5 |
| 2108.9 |
| 1926.6 |
| 1755.6 |
| 1620.5 |
| 1514.7 |
| 1433.7 |
| 1372.9 |
| 1294.2 |
| 1431.5 |
| 1060.1 |
| 839.5  |
| 675.2  |
| 501.9  |
| 207.1  |
| 0.0    |