

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: P941849

Luminaire Tested: **GLAN-SB5C-827-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941849  
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-SB5C-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 32514 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

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



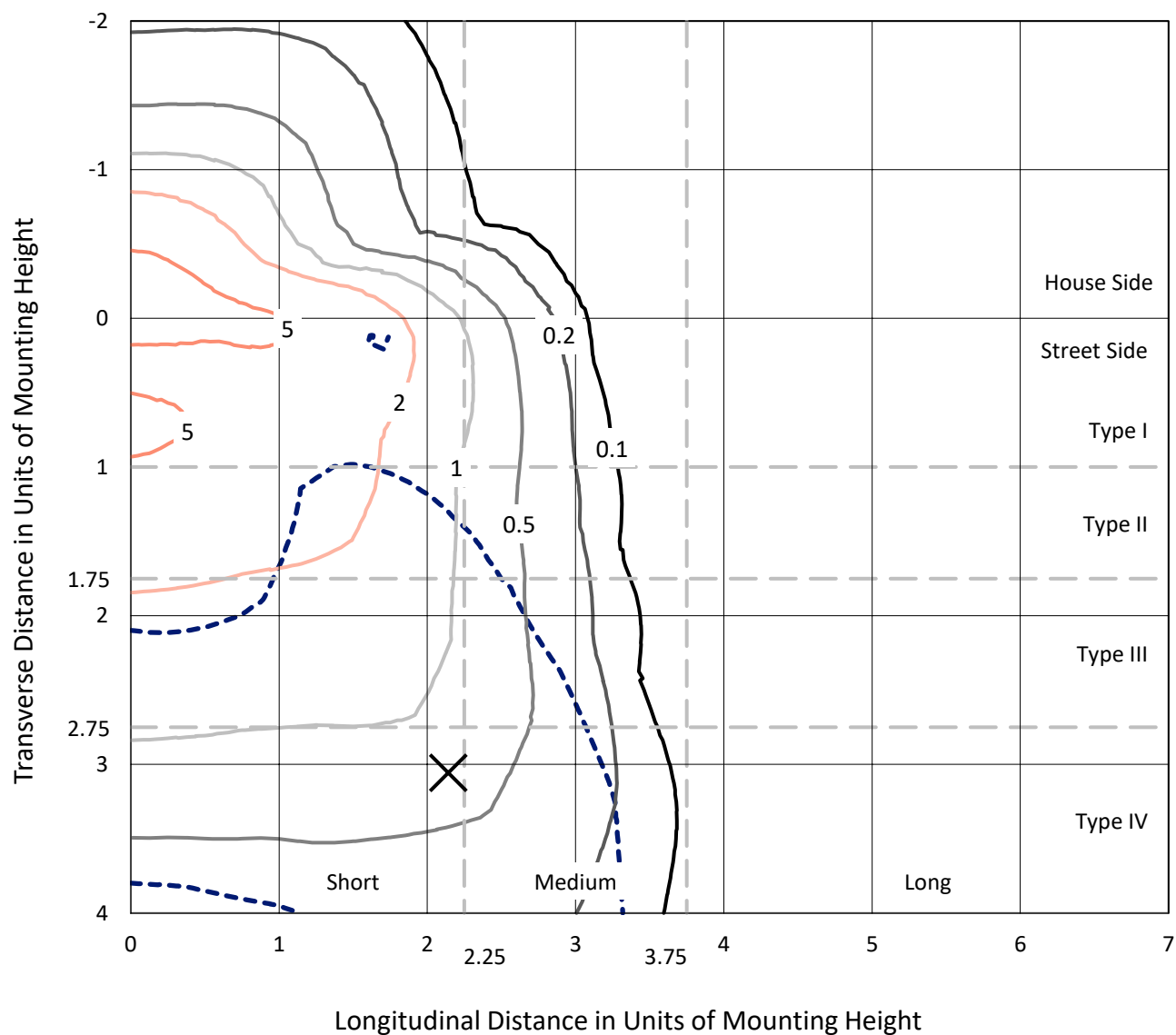
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

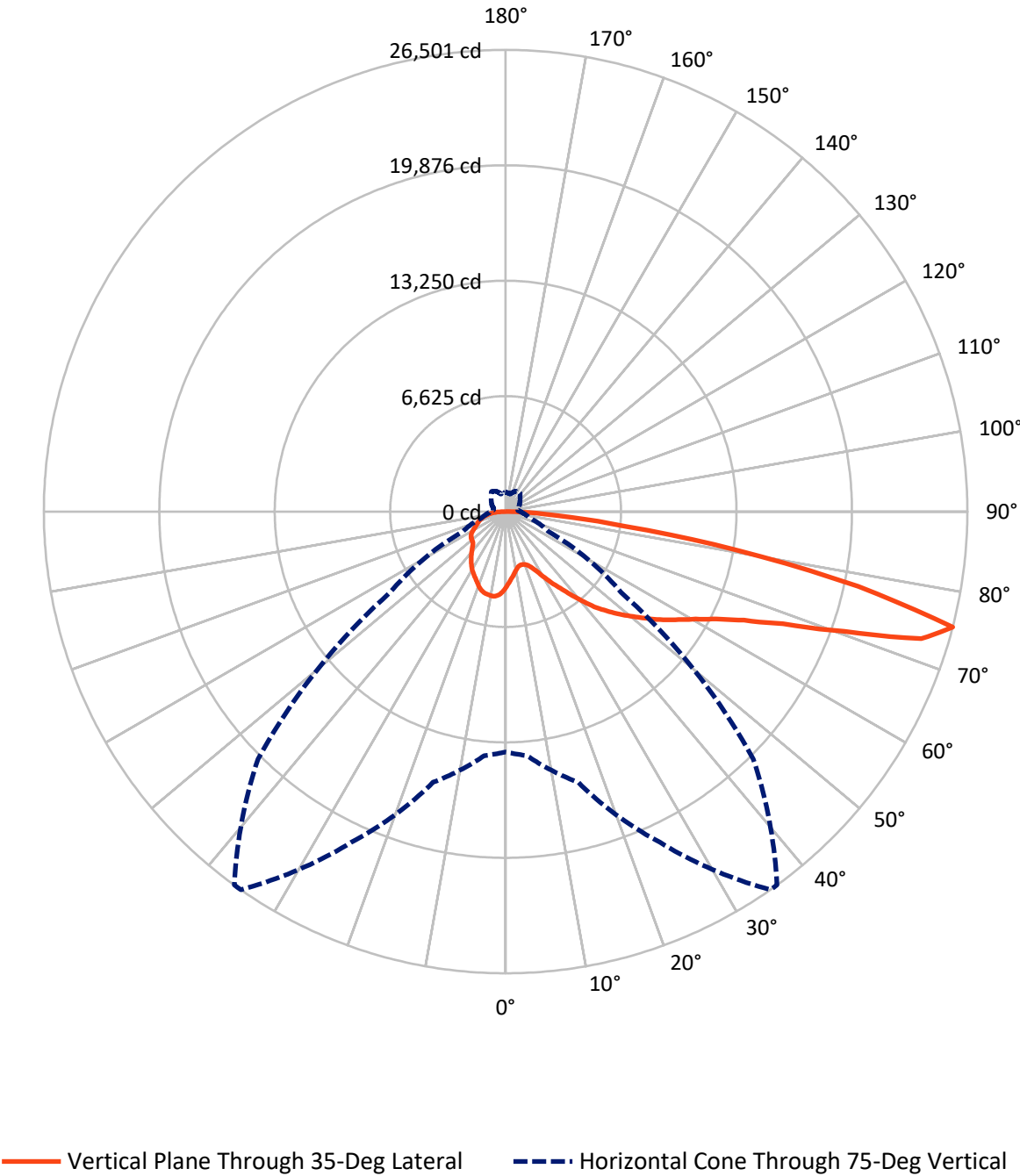


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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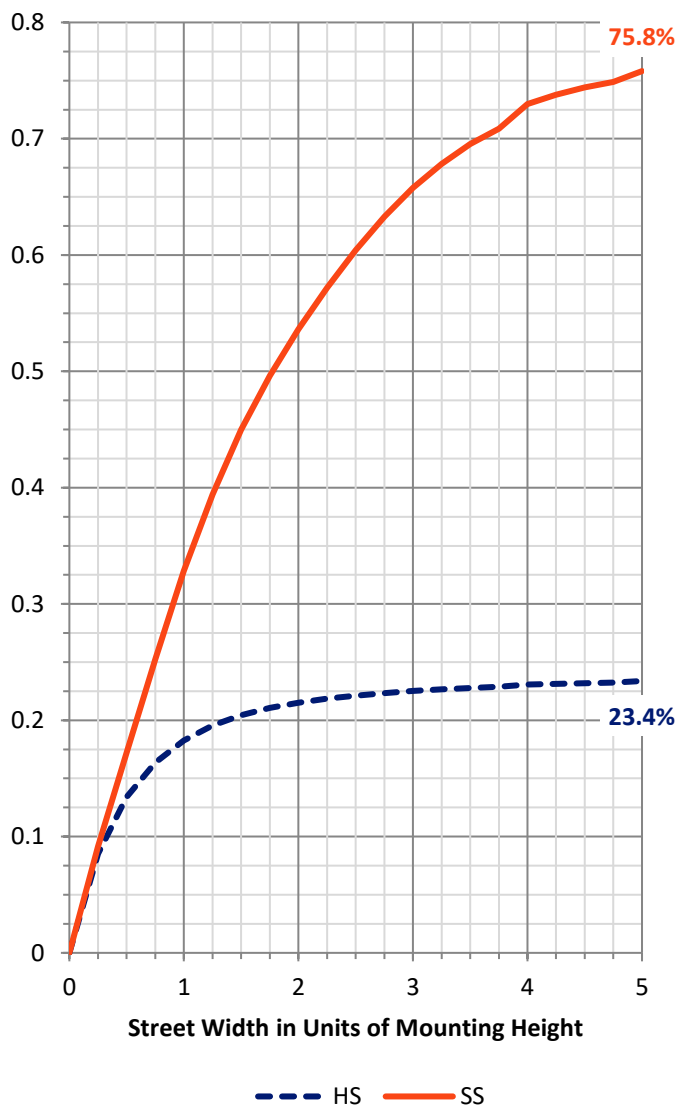
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7737.5   | 0.0    | 7737.5  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 24776.5  | 0.0    | 24776.5 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 32514.0  | 0.0    | 32514.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 410.2   | 1.3       |
| 10°-20°   | 1183.3  | 3.6       |
| 20°-30°   | 1987.0  | 6.1       |
| 30°-40°   | 3088.1  | 9.5       |
| 40°-50°   | 4583.5  | 14.1      |
| 50°-60°   | 6327.8  | 19.5      |
| 60°-70°   | 7677.1  | 23.6      |
| 70°-80°   | 6344.5  | 19.5      |
| 80°-90°   | 912.5   | 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°    | 32514.0 | 100.0     |
| 0°-180°   | 32514.0 | 100.0     |

**Coefficient of Utilization**



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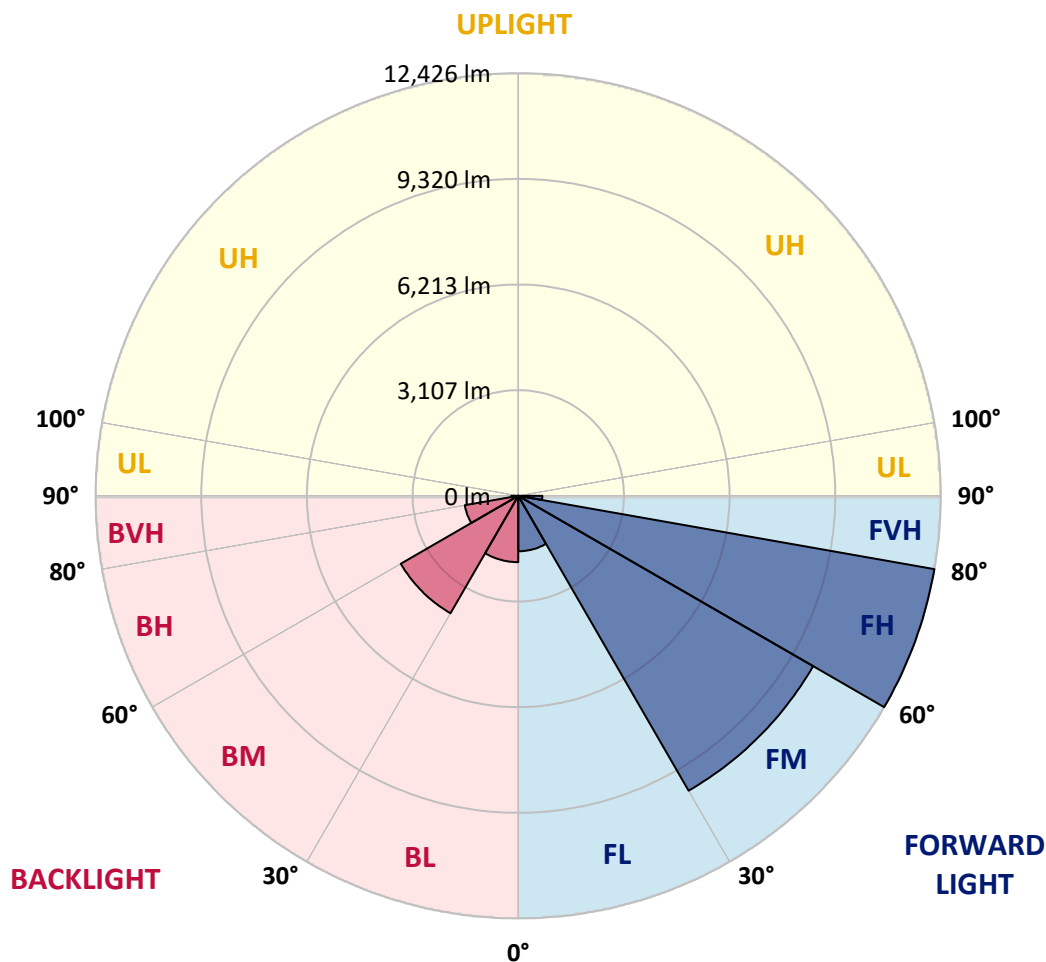
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1630.5  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 10012.6 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 12426.4 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 707.1   | 2.2       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1950.0  | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3986.8  | 12.3      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1595.2  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 205.5   | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4332.7  | 4332.7  | 4332.7  | 4332.7  | 4332.7  | 4332.7  | 4332.7  | 4332.7  | 4332.7  | 4332.7  |
| 2.5°  | 3995.2  | 4019.8  | 4030.4  | 4025.1  | 4051.5  | 4048.0  | 4084.9  | 4130.6  | 4193.9  | 4255.4  |
| 5°    | 3687.6  | 3714.0  | 3736.9  | 3757.9  | 3808.9  | 3824.7  | 3882.7  | 3970.6  | 4086.6  | 4204.4  |
| 7.5°  | 3401.1  | 3424.0  | 3459.1  | 3497.8  | 3583.9  | 3599.8  | 3696.4  | 3833.5  | 3995.2  | 4167.5  |
| 10°   | 3167.4  | 3190.2  | 3227.1  | 3271.1  | 3378.3  | 3397.6  | 3520.7  | 3703.5  | 3914.4  | 4132.3  |
| 12.5° | 3067.2  | 3074.2  | 3095.3  | 3139.2  | 3232.4  | 3244.7  | 3380.0  | 3589.2  | 3835.3  | 4106.0  |
| 15°   | 3061.9  | 3076.0  | 3077.7  | 3100.6  | 3177.9  | 3183.2  | 3308.0  | 3515.4  | 3786.1  | 4100.7  |
| 17.5° | 3114.6  | 3125.2  | 3109.4  | 3123.4  | 3188.5  | 3197.2  | 3295.7  | 3480.2  | 3770.2  | 4123.5  |
| 20°   | 3255.2  | 3264.0  | 3216.6  | 3197.2  | 3244.7  | 3251.7  | 3348.4  | 3503.1  | 3786.1  | 4171.0  |
| 22.5° | 3554.1  | 3559.3  | 3443.3  | 3364.2  | 3367.7  | 3371.3  | 3455.6  | 3596.2  | 3847.6  | 4257.1  |
| 25°   | 4019.8  | 4016.3  | 3831.8  | 3678.8  | 3591.0  | 3571.6  | 3627.9  | 3747.4  | 3951.3  | 4371.4  |
| 27.5° | 4564.7  | 4538.4  | 4353.8  | 4125.3  | 3933.7  | 3905.6  | 3893.3  | 3944.3  | 4098.9  | 4522.5  |
| 30°   | 5179.9  | 5155.3  | 4956.7  | 4657.9  | 4392.5  | 4346.8  | 4230.8  | 4204.4  | 4318.6  | 4728.2  |
| 32.5° | 5854.9  | 5839.1  | 5601.8  | 5239.7  | 4884.6  | 4831.9  | 4636.8  | 4566.5  | 4656.1  | 5039.3  |
| 35°   | 6420.8  | 6406.8  | 6209.9  | 5837.3  | 5403.1  | 5338.1  | 5139.5  | 5060.4  | 5106.1  | 5438.3  |
| 37.5° | 6932.3  | 6925.3  | 6756.6  | 6463.0  | 6014.8  | 5935.7  | 5712.5  | 5686.1  | 5677.3  | 5963.8  |
| 40°   | 7406.9  | 7389.3  | 7213.6  | 7058.9  | 6726.7  | 6654.6  | 6457.8  | 6434.9  | 6368.1  | 6610.7  |
| 42.5° | 7932.5  | 7886.8  | 7631.9  | 7559.8  | 7470.2  | 7410.4  | 7292.7  | 7296.2  | 7148.5  | 7340.1  |
| 45°   | 8361.3  | 8335.0  | 8073.1  | 8030.9  | 8127.6  | 8103.0  | 8204.9  | 8231.3  | 7944.8  | 8104.7  |
| 47.5° | 8821.9  | 8797.2  | 8575.8  | 8545.9  | 8807.8  | 8814.8  | 9175.2  | 9183.9  | 8721.7  | 8899.2  |
| 50°   | 9389.6  | 9354.4  | 9134.7  | 9171.6  | 9465.2  | 9491.5  | 10150.7 | 10090.9 | 9437.0  | 9706.0  |
| 52.5° | 9764.0  | 9785.1  | 9737.6  | 9797.4  | 10198.1 | 10222.7 | 11110.4 | 10957.5 | 10145.4 | 10502.2 |
| 55°   | 10039.9 | 10082.1 | 10229.8 | 10366.9 | 10971.5 | 10996.1 | 12015.6 | 11781.8 | 10732.5 | 11240.4 |
| 57.5° | 10395.0 | 10335.2 | 10611.2 | 10878.4 | 11706.2 | 11771.3 | 12896.2 | 12576.3 | 11252.7 | 11876.7 |
| 60°   | 10904.7 | 10862.5 | 11077.0 | 11472.5 | 12528.8 | 12632.5 | 13827.8 | 13291.7 | 11634.2 | 12381.2 |
| 62.5° | 11938.2 | 11832.8 | 11866.2 | 12216.0 | 13565.9 | 13703.0 | 14878.9 | 13915.6 | 11824.0 | 12578.0 |
| 65°   | 13483.3 | 13302.2 | 13133.5 | 13376.0 | 15026.5 | 15161.9 | 16065.3 | 14406.0 | 11753.7 | 12196.6 |
| 67.5° | 15429.0 | 15249.7 | 15042.3 | 15270.8 | 17177.9 | 17285.1 | 17529.5 | 14682.0 | 11200.0 | 10727.2 |
| 70°   | 17033.8 | 16967.0 | 17214.8 | 18155.2 | 20614.2 | 20617.7 | 19406.7 | 14453.5 | 9683.1  | 7605.5  |
| 72.5° | 16821.1 | 16780.7 | 18086.6 | 20993.9 | 24945.2 | 24852.0 | 21183.7 | 12723.9 | 6522.8  | 3431.0  |
| 75°   | 13799.6 | 14061.5 | 16084.6 | 20942.9 | 26500.7 | 26488.4 | 20095.7 | 8088.9  | 2698.1  | 1422.0  |
| 77.5° | 7399.9  | 7814.7  | 10442.4 | 15462.4 | 20688.0 | 20999.1 | 14128.3 | 2829.9  | 1158.3  | 910.5   |
| 80°   | 2413.3  | 2775.4  | 4162.2  | 7872.7  | 13442.8 | 13384.8 | 6055.2  | 1110.9  | 792.7   | 645.1   |
| 82.5° | 1024.7  | 1066.9  | 1859.6  | 3717.5  | 6898.9  | 6791.7  | 1928.2  | 638.0   | 557.2   | 441.2   |
| 85°   | 400.8   | 448.2   | 820.8   | 1719.0  | 2988.1  | 2923.0  | 696.0   | 316.4   | 356.8   | 288.3   |
| 87.5° | 131.8   | 159.9   | 293.5   | 588.8   | 929.8   | 896.4   | 170.5   | 109.0   | 154.7   | 131.8   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4332.7  | 0°    | 4332.7  | 4332.7 | 4332.7 | 4332.7 | 4332.7 | 4332.7 | 4332.7 | 4332.7 | 4332.7 | 4332.7 |
| 4345.0  | 2.5°  | 4369.6  | 4397.7 | 4431.1 | 4480.4 | 4522.5 | 4557.7 | 4594.6 | 4617.5 | 4626.2 | 4652.6 |
| 4352.0  | 5°    | 4401.3  | 4462.8 | 4545.4 | 4626.2 | 4705.3 | 4752.8 | 4795.0 | 4816.1 | 4835.4 | 4849.5 |
| 4371.4  | 7.5°  | 4454.0  | 4533.1 | 4663.2 | 4768.6 | 4835.4 | 4874.1 | 4902.2 | 4895.2 | 4902.2 | 4905.7 |
| 4392.5  | 10°   | 4499.7  | 4610.4 | 4765.1 | 4865.3 | 4916.3 | 4918.0 | 4911.0 | 4886.4 | 4874.1 | 4875.8 |
| 4424.1  | 12.5° | 4554.2  | 4677.2 | 4844.2 | 4928.6 | 4942.6 | 4904.0 | 4874.1 | 4831.9 | 4816.1 | 4809.0 |
| 4471.6  | 15°   | 4628.0  | 4768.6 | 4930.3 | 4962.0 | 4926.8 | 4877.6 | 4826.6 | 4758.1 | 4722.9 | 4694.8 |
| 4552.4  | 17.5° | 4717.6  | 4872.3 | 4997.1 | 4974.3 | 4898.7 | 4817.8 | 4735.2 | 4631.5 | 4559.5 | 4529.6 |
| 4663.2  | 20°   | 4842.4  | 4981.3 | 5048.1 | 4947.9 | 4833.7 | 4710.6 | 4570.0 | 4443.4 | 4376.7 | 4346.8 |
| 4803.8  | 22.5° | 4993.6  | 5127.2 | 5097.3 | 4902.2 | 4740.5 | 4543.6 | 4367.9 | 4274.7 | 4241.3 | 4220.2 |
| 4984.8  | 25°   | 5174.6  | 5288.9 | 5132.5 | 4835.4 | 4587.6 | 4322.2 | 4186.8 | 4156.9 | 4141.1 | 4125.3 |
| 5206.3  | 27.5° | 5410.2  | 5471.7 | 5158.8 | 4737.0 | 4348.5 | 4086.6 | 4037.4 | 4042.7 | 4037.4 | 4011.1 |
| 5513.9  | 30°   | 5721.3  | 5709.0 | 5183.4 | 4577.0 | 4074.3 | 3874.0 | 3877.5 | 3900.3 | 3903.8 | 3886.3 |
| 5942.8  | 32.5° | 6130.8  | 6006.0 | 5195.7 | 4369.6 | 3812.4 | 3687.6 | 3691.2 | 3715.8 | 3733.3 | 3703.5 |
| 6503.5  | 35°   | 6626.5  | 6352.3 | 5176.4 | 4109.5 | 3610.3 | 3510.1 | 3483.7 | 3490.8 | 3496.0 | 3467.9 |
| 7183.7  | 37.5° | 7204.8  | 6740.7 | 5090.3 | 3821.2 | 3443.3 | 3336.1 | 3279.9 | 3232.4 | 3204.3 | 3177.9 |
| 7953.6  | 40°   | 7839.3  | 7164.4 | 4932.1 | 3540.0 | 3257.0 | 3151.5 | 3067.2 | 2977.5 | 2882.6 | 2847.5 |
| 8769.1  | 42.5° | 8503.7  | 7600.3 | 4740.5 | 3271.1 | 3042.6 | 2956.4 | 2866.8 | 2736.7 | 2594.4 | 2522.3 |
| 9616.3  | 45°   | 9192.7  | 8046.7 | 4552.4 | 3005.7 | 2822.9 | 2785.9 | 2682.2 | 2525.8 | 2371.1 | 2279.7 |
| 10465.3 | 47.5° | 9867.7  | 8468.6 | 4276.5 | 2738.5 | 2617.2 | 2657.6 | 2576.8 | 2432.6 | 2260.4 | 2116.3 |
| 11307.2 | 50°   | 10512.8 | 8864.0 | 3824.7 | 2467.8 | 2450.2 | 2619.0 | 2541.6 | 2334.2 | 2137.4 | 1952.8 |
| 12133.3 | 52.5° | 11152.6 | 9183.9 | 3246.5 | 2221.7 | 2360.6 | 2608.4 | 2495.9 | 2267.4 | 2026.6 | 1833.3 |
| 12910.2 | 55°   | 11695.7 | 9349.2 | 2689.3 | 2010.8 | 2230.5 | 2518.8 | 2441.4 | 2188.3 | 1870.2 | 1664.5 |
| 13442.8 | 57.5° | 12005.0 | 9215.6 | 2225.2 | 1803.4 | 2051.2 | 2371.1 | 2348.3 | 2019.6 | 1683.9 | 1525.7 |
| 13546.5 | 60°   | 11871.5 | 8674.2 | 1845.6 | 1622.3 | 1880.7 | 2211.2 | 2186.6 | 1852.6 | 1541.5 | 1392.1 |
| 12991.1 | 62.5° | 11135.0 | 7642.4 | 1545.0 | 1464.2 | 1726.1 | 2047.7 | 2024.9 | 1724.3 | 1432.5 | 1288.4 |
| 11516.4 | 65°   | 9651.5  | 6217.0 | 1311.2 | 1332.3 | 1569.6 | 1850.8 | 1884.2 | 1617.1 | 1346.4 | 1205.8 |
| 8909.7  | 67.5° | 7361.2  | 4503.2 | 1128.4 | 1218.1 | 1416.7 | 1657.5 | 1754.2 | 1539.7 | 1274.3 | 1140.7 |
| 5155.3  | 70°   | 4195.6  | 2557.4 | 973.8  | 1107.3 | 1281.4 | 1478.2 | 1654.0 | 1478.2 | 1197.0 | 1086.3 |
| 1931.7  | 72.5° | 1590.7  | 1174.1 | 841.9  | 996.6  | 1151.3 | 1327.1 | 1543.3 | 1381.5 | 1107.3 | 1024.7 |
| 998.4   | 75°   | 849.0   | 715.4  | 708.3  | 866.5  | 1001.9 | 1179.4 | 1404.4 | 1286.6 | 1040.6 | 1082.7 |
| 690.8   | 77.5° | 578.3   | 506.2  | 592.3  | 741.7  | 838.4  | 1015.9 | 1256.7 | 1142.5 | 901.7  | 898.2  |
| 478.1   | 80°   | 400.8   | 358.6  | 481.6  | 597.6  | 648.6  | 854.2  | 1096.8 | 980.8  | 734.7  | 685.5  |
| 295.3   | 82.5° | 240.8   | 233.8  | 360.3  | 446.5  | 458.8  | 659.1  | 908.7  | 822.6  | 601.1  | 523.8  |
| 175.8   | 85°   | 131.8   | 138.9  | 230.3  | 261.9  | 267.2  | 460.5  | 711.9  | 636.3  | 462.3  | 388.4  |
| 63.3    | 87.5° | 36.9    | 47.5   | 84.4   | 103.7  | 128.3  | 239.0  | 423.6  | 377.9  | 232.0  | 161.7  |
| 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°   |
|--------|
| 4332.7 |
| 4650.9 |
| 4853.0 |
| 4911.0 |
| 4879.4 |
| 4805.5 |
| 4703.6 |
| 4531.3 |
| 4343.3 |
| 4223.7 |
| 4125.3 |
| 4016.3 |
| 3895.0 |
| 3717.5 |
| 3487.3 |
| 3195.5 |
| 2863.3 |
| 2531.1 |
| 2272.7 |
| 2100.4 |
| 1937.0 |
| 1812.2 |
| 1647.0 |
| 1504.6 |
| 1371.0 |
| 1265.5 |
| 1182.9 |
| 1119.6 |
| 1072.2 |
| 1010.7 |
| 1117.9 |
| 827.9  |
| 655.6  |
| 527.3  |
| 392.0  |
| 161.7  |
| 0.0    |