

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: P952490

Luminaire Tested: **GLAN-SB6B-827-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952490  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-827-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30091 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

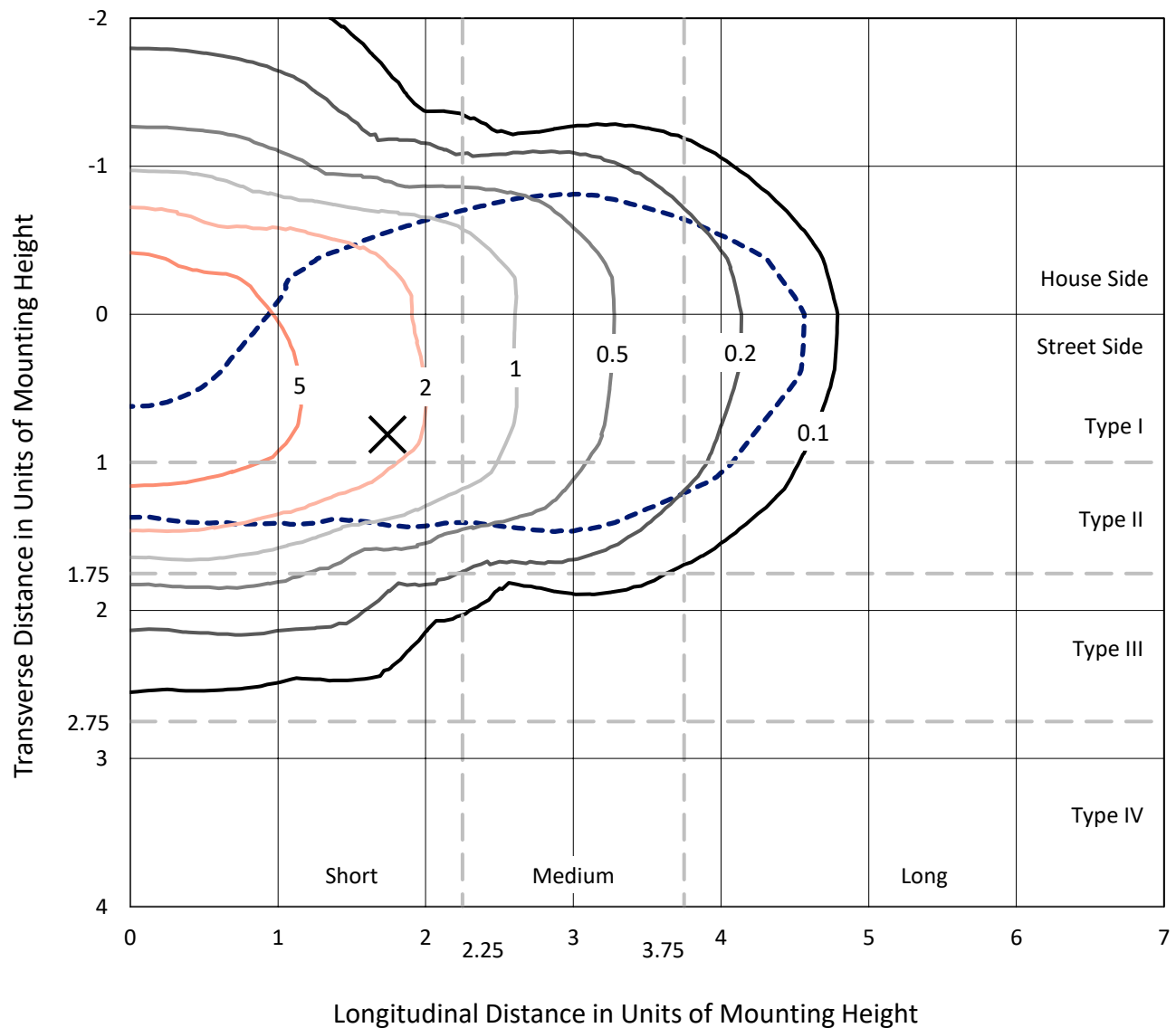
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

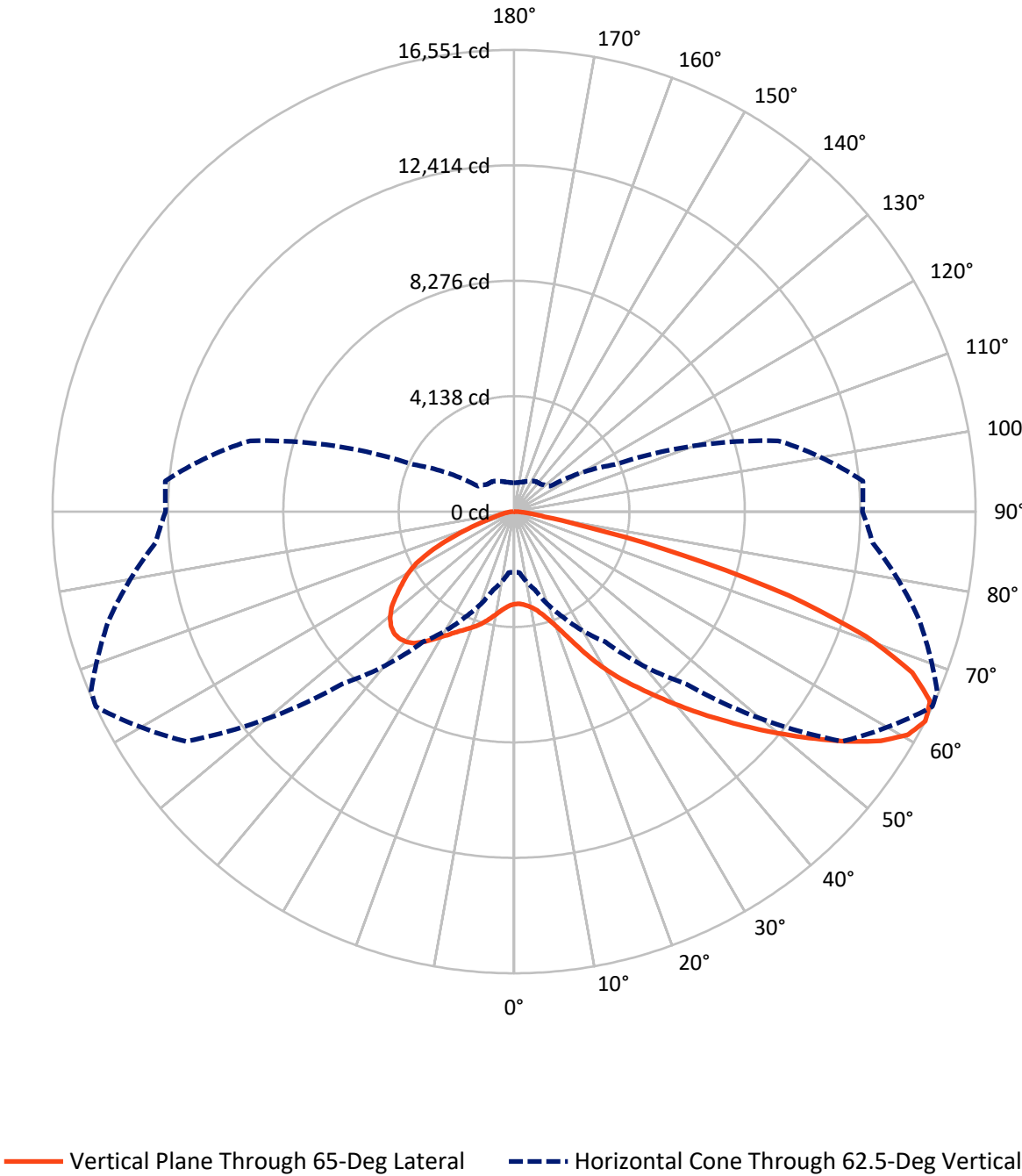
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - 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    | 9495.4   | 0.0    | 9495.4  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 20595.6  | 0.0    | 20595.6 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 30091.0  | 0.0    | 30091.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 330.6   | 1.1       |
| 10°-20°   | 1121.1  | 3.7       |
| 20°-30°   | 2273.1  | 7.6       |
| 30°-40°   | 3933.5  | 13.1      |
| 40°-50°   | 5952.6  | 19.8      |
| 50°-60°   | 6979.1  | 23.2      |
| 60°-70°   | 5851.1  | 19.4      |
| 70°-80°   | 3230.3  | 10.7      |
| 80°-90°   | 419.6   | 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°    | 30091.0 | 100.0     |
| 0°-180°   | 30091.0 | 100.0     |

**Coefficient of Utilization**



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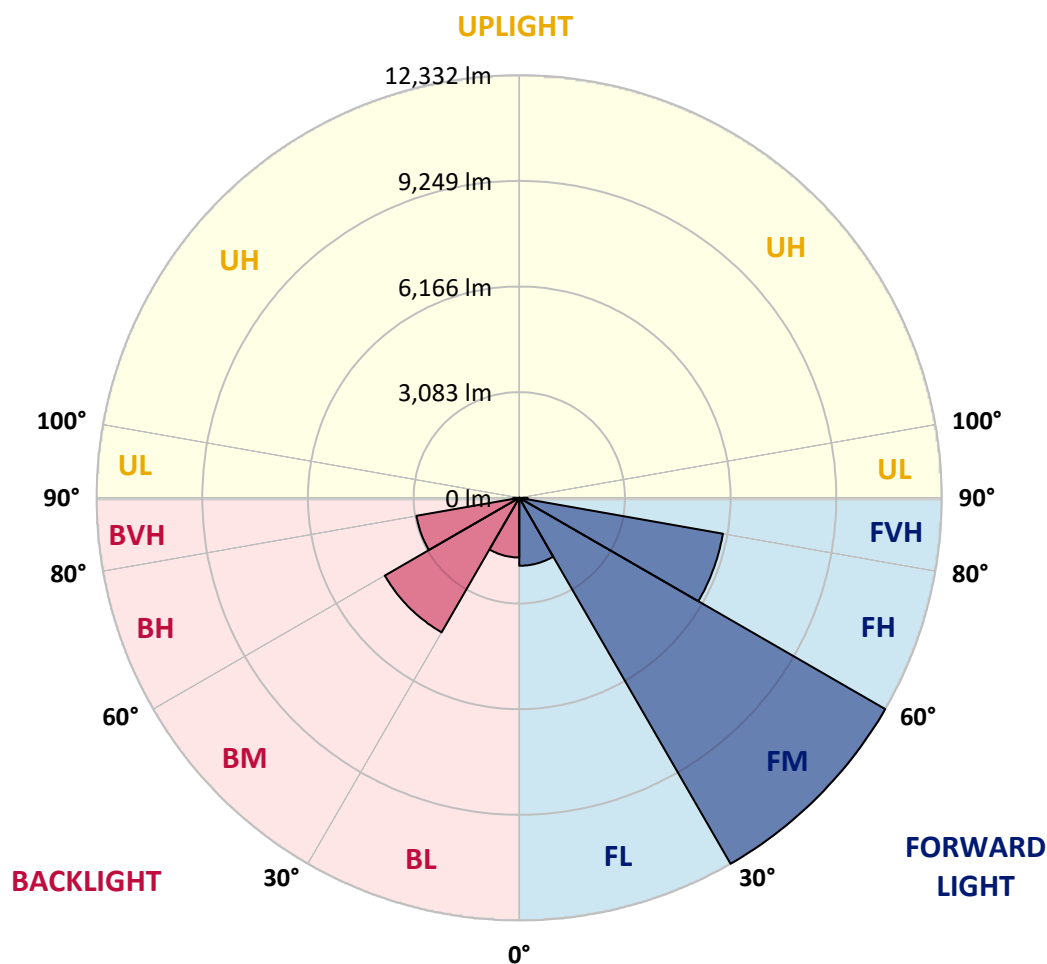
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1983.4  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 12332.3 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 6035.4  | 20.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 244.6   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1741.3  | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4533.0  | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3046.0  | 10.1      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 175.0   | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3315.9  | 3315.9  | 3315.9  | 3315.9  | 3315.9  | 3315.9  | 3315.9  | 3315.9  | 3315.9  | 3315.9  |
| 2.5°  | 3294.0  | 3284.7  | 3292.5  | 3292.5  | 3295.6  | 3294.0  | 3305.0  | 3308.1  | 3312.8  | 3322.1  |
| 5°    | 3261.3  | 3259.7  | 3273.7  | 3286.2  | 3298.7  | 3309.7  | 3323.7  | 3344.0  | 3347.1  | 3358.0  |
| 7.5°  | 3250.3  | 3241.0  | 3262.8  | 3278.4  | 3308.1  | 3334.6  | 3372.1  | 3406.4  | 3420.5  | 3425.2  |
| 10°   | 3334.6  | 3319.0  | 3339.3  | 3348.7  | 3373.7  | 3400.2  | 3443.9  | 3498.6  | 3514.2  | 3532.9  |
| 12.5° | 3478.3  | 3461.1  | 3490.7  | 3504.8  | 3528.2  | 3551.6  | 3581.3  | 3634.4  | 3642.2  | 3676.5  |
| 15°   | 3675.0  | 3654.7  | 3673.4  | 3690.6  | 3729.6  | 3751.5  | 3781.1  | 3832.6  | 3832.6  | 3859.2  |
| 17.5° | 3941.9  | 3915.4  | 3929.4  | 3935.7  | 3960.7  | 3993.4  | 4043.4  | 4088.7  | 4112.1  | 4102.7  |
| 20°   | 4340.0  | 4307.2  | 4307.2  | 4276.0  | 4266.6  | 4293.2  | 4358.8  | 4421.2  | 4446.2  | 4397.8  |
| 22.5° | 4937.9  | 4891.1  | 4864.6  | 4758.4  | 4716.3  | 4719.4  | 4784.9  | 4861.4  | 4881.7  | 4795.9  |
| 25°   | 5698.2  | 5624.8  | 5588.9  | 5432.8  | 5337.6  | 5254.9  | 5306.4  | 5404.7  | 5432.8  | 5326.7  |
| 27.5° | 6458.5  | 6463.2  | 6428.8  | 6241.5  | 6083.8  | 5932.4  | 5905.9  | 6008.9  | 6038.6  | 5918.3  |
| 30°   | 7524.8  | 7413.9  | 7348.4  | 7123.6  | 6898.8  | 6686.4  | 6577.2  | 6619.3  | 6627.1  | 6483.5  |
| 32.5° | 8444.3  | 8416.2  | 8275.7  | 8079.0  | 7790.2  | 7457.6  | 7275.0  | 7207.9  | 7195.4  | 6990.9  |
| 35°   | 9491.8  | 9476.2  | 9327.9  | 9093.7  | 8781.5  | 8319.4  | 7990.0  | 7798.0  | 7782.4  | 7495.1  |
| 37.5° | 10556.5 | 10556.5 | 10411.4 | 10155.3 | 9832.2  | 9254.5  | 8753.4  | 8449.0  | 8399.0  | 8024.3  |
| 40°   | 11405.8 | 11354.3 | 11380.8 | 11273.1 | 10903.1 | 10289.6 | 9601.1  | 9159.3  | 9092.2  | 8642.6  |
| 42.5° | 11888.2 | 11871.0 | 12030.3 | 12150.5 | 11999.1 | 11508.9 | 10534.7 | 9929.0  | 9835.3  | 9323.2  |
| 45°   | 11995.9 | 11977.2 | 12261.3 | 12701.6 | 12913.9 | 12712.5 | 11549.4 | 10739.2 | 10625.2 | 10035.1 |
| 47.5° | 11747.7 | 11710.2 | 12127.1 | 12821.8 | 13502.4 | 13856.8 | 12648.5 | 11618.1 | 11452.6 | 10728.3 |
| 50°   | 11001.5 | 10965.6 | 11596.3 | 12518.9 | 13700.7 | 14634.3 | 13841.2 | 12550.1 | 12297.2 | 11471.4 |
| 52.5° | 9379.4  | 9396.6  | 10384.8 | 11652.5 | 13440.0 | 15118.2 | 14868.5 | 13532.1 | 13227.7 | 12231.7 |
| 55°   | 7306.2  | 7343.7  | 8558.3  | 9953.9  | 12397.1 | 15044.9 | 15569.4 | 14543.7 | 14240.9 | 12946.7 |
| 57.5° | 5231.4  | 5396.9  | 6535.0  | 7916.6  | 10394.2 | 13881.8 | 15722.4 | 15505.4 | 15211.9 | 13727.3 |
| 60°   | 3390.8  | 3420.5  | 4591.4  | 5983.9  | 7915.1  | 11814.8 | 15411.7 | 16234.5 | 16005.0 | 14523.4 |
| 62.5° | 2173.1  | 2193.4  | 2906.9  | 4185.5  | 5696.7  | 8740.9  | 14365.8 | 16551.4 | 16481.1 | 15049.6 |
| 65°   | 1597.1  | 1581.5  | 1953.0  | 2766.4  | 3837.3  | 5390.7  | 12334.7 | 16398.4 | 16537.3 | 15379.0 |
| 67.5° | 1333.2  | 1311.4  | 1494.0  | 1915.5  | 2827.3  | 3061.4  | 9126.5  | 15403.9 | 15912.9 | 15341.5 |
| 70°   | 1214.6  | 1195.8  | 1306.7  | 1422.2  | 2205.9  | 2049.8  | 4600.7  | 13391.6 | 14175.3 | 14915.3 |
| 72.5° | 1028.8  | 996.0   | 1147.5  | 1263.0  | 1715.7  | 1572.1  | 1901.5  | 10286.5 | 11241.9 | 13549.3 |
| 75°   | 797.8   | 775.9   | 905.5   | 1111.5  | 1289.5  | 1227.1  | 1202.1  | 6246.2  | 7289.0  | 10478.5 |
| 77.5° | 632.3   | 602.6   | 721.3   | 866.4   | 1159.9  | 925.8   | 875.8   | 2689.9  | 3723.4  | 6689.6  |
| 80°   | 476.2   | 449.6   | 548.0   | 685.3   | 891.4   | 697.8   | 566.7   | 1097.5  | 1403.5  | 3389.3  |
| 82.5° | 338.8   | 315.4   | 382.5   | 502.7   | 599.5   | 626.0   | 348.1   | 615.1   | 691.6   | 1306.7  |
| 85°   | 217.0   | 203.0   | 256.0   | 315.4   | 380.9   | 402.8   | 212.3   | 321.6   | 352.8   | 538.6   |
| 87.5° | 118.6   | 96.8    | 137.4   | 146.7   | 176.4   | 160.8   | 101.5   | 117.1   | 126.5   | 195.1   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3315.9  | 0°    | 3315.9  | 3315.9  | 3315.9 | 3315.9 | 3315.9 | 3315.9 | 3315.9 | 3315.9 | 3315.9 | 3315.9 |
| 3322.1  | 2.5°  | 3328.4  | 3333.1  | 3348.7 | 3353.4 | 3364.3 | 3378.3 | 3387.7 | 3397.1 | 3397.1 | 3406.4 |
| 3372.1  | 5°    | 3373.7  | 3384.6  | 3417.4 | 3434.5 | 3462.6 | 3490.7 | 3507.9 | 3528.2 | 3540.7 | 3546.9 |
| 3451.7  | 7.5°  | 3461.1  | 3478.3  | 3525.1 | 3554.8 | 3603.2 | 3642.2 | 3668.7 | 3696.8 | 3703.1 | 3720.2 |
| 3562.6  | 10°   | 3579.7  | 3600.0  | 3653.1 | 3709.3 | 3767.1 | 3815.5 | 3840.4 | 3860.7 | 3868.5 | 3871.7 |
| 3704.6  | 12.5° | 3715.6  | 3745.2  | 3813.9 | 3882.6 | 3943.5 | 3985.6 | 3991.9 | 3987.2 | 3965.3 | 3946.6 |
| 3879.5  | 15°   | 3882.6  | 3909.1  | 3985.6 | 4060.6 | 4119.9 | 4127.7 | 4088.7 | 4063.7 | 4037.2 | 4032.5 |
| 4074.6  | 17.5° | 4082.4  | 4096.5  | 4166.7 | 4240.1 | 4244.8 | 4218.2 | 4160.5 | 4137.1 | 4112.1 | 4094.9 |
| 4329.1  | 20°   | 4315.0  | 4310.4  | 4360.3 | 4391.5 | 4358.8 | 4277.6 | 4190.1 | 4151.1 | 4126.1 | 4105.8 |
| 4641.3  | 22.5° | 4592.9  | 4557.0  | 4550.8 | 4543.0 | 4455.5 | 4285.4 | 4166.7 | 4116.8 | 4077.7 | 4049.6 |
| 5076.9  | 25°   | 4997.3  | 4859.9  | 4764.7 | 4711.6 | 4514.9 | 4243.2 | 4091.8 | 3981.0 | 3907.6 | 3859.2 |
| 5609.2  | 27.5° | 5503.1  | 5272.0  | 5031.6 | 4902.0 | 4514.9 | 4157.4 | 3910.7 | 3731.2 | 3611.0 | 3561.0 |
| 6124.4  | 30°   | 5985.5  | 5743.5  | 5389.1 | 5131.5 | 4503.9 | 4016.9 | 3618.8 | 3369.0 | 3228.5 | 3178.5 |
| 6564.7  | 32.5° | 6397.6  | 6133.8  | 5768.5 | 5382.9 | 4477.4 | 3788.9 | 3256.6 | 2980.2 | 2844.4 | 2785.1 |
| 7000.2  | 35°   | 6780.1  | 6499.1  | 6149.4 | 5659.2 | 4407.1 | 3454.8 | 2858.5 | 2647.7 | 2496.3 | 2401.1 |
| 7443.6  | 37.5° | 7172.0  | 6837.9  | 6510.0 | 5909.0 | 4280.7 | 3064.6 | 2552.5 | 2373.0 | 2195.0 | 2067.0 |
| 7915.1  | 40°   | 7598.2  | 7198.5  | 6895.6 | 6057.3 | 4073.1 | 2693.0 | 2315.2 | 2151.3 | 1962.4 | 1826.6 |
| 8458.3  | 42.5° | 8096.2  | 7630.9  | 7324.9 | 6133.8 | 3788.9 | 2429.2 | 2160.6 | 1999.8 | 1821.9 | 1711.0 |
| 9040.7  | 45°   | 8616.0  | 8107.1  | 7716.8 | 6132.2 | 3472.0 | 2305.8 | 2110.7 | 1951.4 | 1754.7 | 1639.2 |
| 9638.6  | 47.5° | 9160.9  | 8605.1  | 8055.6 | 6032.3 | 3197.2 | 2323.0 | 2082.6 | 1846.8 | 1629.8 | 1517.4 |
| 10242.8 | 50°   | 9707.3  | 9149.9  | 8383.4 | 5845.0 | 3080.2 | 2285.5 | 1978.0 | 1700.1 | 1444.1 | 1342.6 |
| 10809.5 | 52.5° | 10249.0 | 9729.1  | 8666.0 | 5578.0 | 2961.5 | 2146.6 | 1843.7 | 1509.6 | 1367.6 | 1297.3 |
| 11394.9 | 55°   | 10793.8 | 10302.1 | 8973.5 | 5189.3 | 2664.9 | 1984.2 | 1618.9 | 1437.8 | 1306.7 | 1242.7 |
| 11967.8 | 57.5° | 11340.2 | 10964.0 | 9265.5 | 4800.6 | 2291.8 | 1784.4 | 1495.6 | 1350.4 | 1245.8 | 1191.2 |
| 12447.1 | 60°   | 11908.5 | 11721.2 | 9566.8 | 4443.1 | 1923.3 | 1528.4 | 1405.0 | 1280.1 | 1174.0 | 1113.1 |
| 12907.6 | 62.5° | 12493.9 | 12554.8 | 9802.5 | 3982.5 | 1584.6 | 1372.3 | 1323.9 | 1195.8 | 1092.8 | 1035.0 |
| 13288.6 | 65°   | 13084.1 | 13358.8 | 9957.1 | 3344.0 | 1284.8 | 1223.9 | 1236.4 | 1103.7 | 999.1  | 949.2  |
| 13568.0 | 67.5° | 13529.0 | 13938.0 | 9913.3 | 2530.6 | 1053.8 | 1083.4 | 1127.2 | 1006.9 | 908.6  | 869.6  |
| 13522.7 | 70°   | 13578.9 | 13869.3 | 9482.5 | 1732.9 | 882.1  | 946.1  | 1005.4 | 911.7  | 810.2  | 782.1  |
| 12885.8 | 72.5° | 12913.9 | 12932.6 | 8281.9 | 1131.8 | 746.2  | 830.5  | 877.4  | 814.9  | 716.6  | 688.5  |
| 11273.1 | 75°   | 11170.1 | 10695.5 | 6080.7 | 746.2  | 624.5  | 713.4  | 757.2  | 713.4  | 618.2  | 624.5  |
| 8434.9  | 77.5° | 8463.0  | 7574.7  | 3692.1 | 530.8  | 521.4  | 599.5  | 658.8  | 627.6  | 546.4  | 613.5  |
| 4241.7  | 80°   | 4360.3  | 4098.0  | 1647.0 | 396.5  | 412.1  | 479.3  | 541.7  | 501.1  | 432.4  | 412.1  |
| 947.6   | 82.5° | 999.1   | 1161.5  | 649.4  | 284.1  | 298.2  | 345.0  | 413.7  | 376.2  | 310.7  | 262.3  |
| 395.0   | 85°   | 349.7   | 382.5   | 287.3  | 178.0  | 174.8  | 215.4  | 281.0  | 251.3  | 210.8  | 168.6  |
| 167.0   | 87.5° | 110.8   | 145.2   | 107.7  | 71.8   | 74.9   | 96.8   | 129.6  | 118.6  | 98.4   | 64.0   |
| 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°   |
|--------|
| 3315.9 |
| 3406.4 |
| 3550.1 |
| 3714.0 |
| 3863.9 |
| 3946.6 |
| 4032.5 |
| 4096.5 |
| 4107.4 |
| 4059.0 |
| 3877.9 |
| 3586.0 |
| 3208.2 |
| 2814.8 |
| 2432.3 |
| 2101.3 |
| 1853.1 |
| 1732.9 |
| 1657.9 |
| 1533.1 |
| 1348.8 |
| 1297.3 |
| 1236.4 |
| 1181.8 |
| 1108.4 |
| 1033.5 |
| 947.6  |
| 871.1  |
| 783.7  |
| 686.9  |
| 602.6  |
| 540.2  |
| 376.2  |
| 259.2  |
| 178.0  |
| 67.1   |
| 0.0    |