

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: P941187

Luminaire Tested: **GLAN-SB4C-835-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941187  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27858 lumens  
Efficiency: N/A  
Efficacy: 138.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 200.7  
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

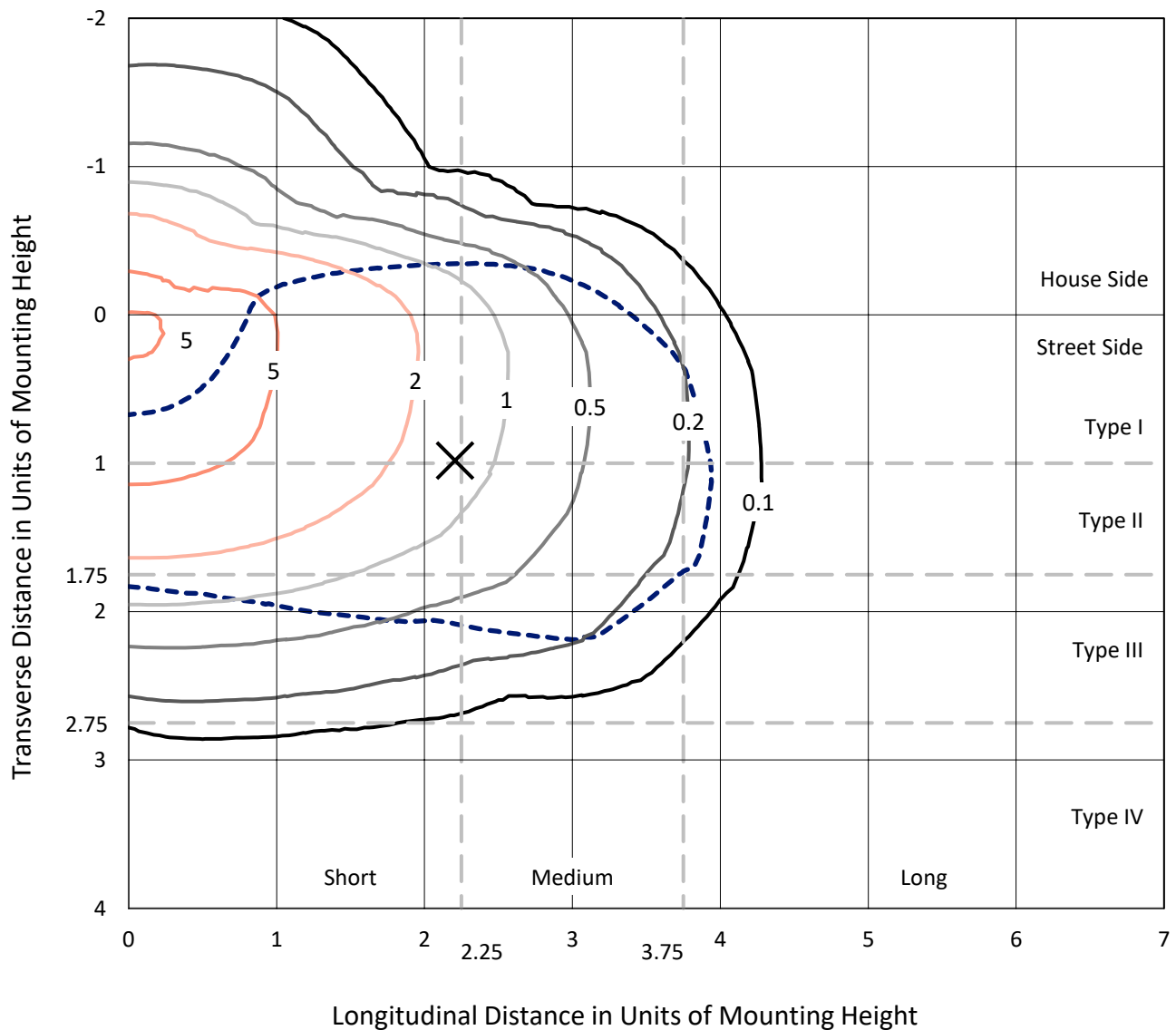


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## Iso-Footcandle Lines of Horizontal Illumination

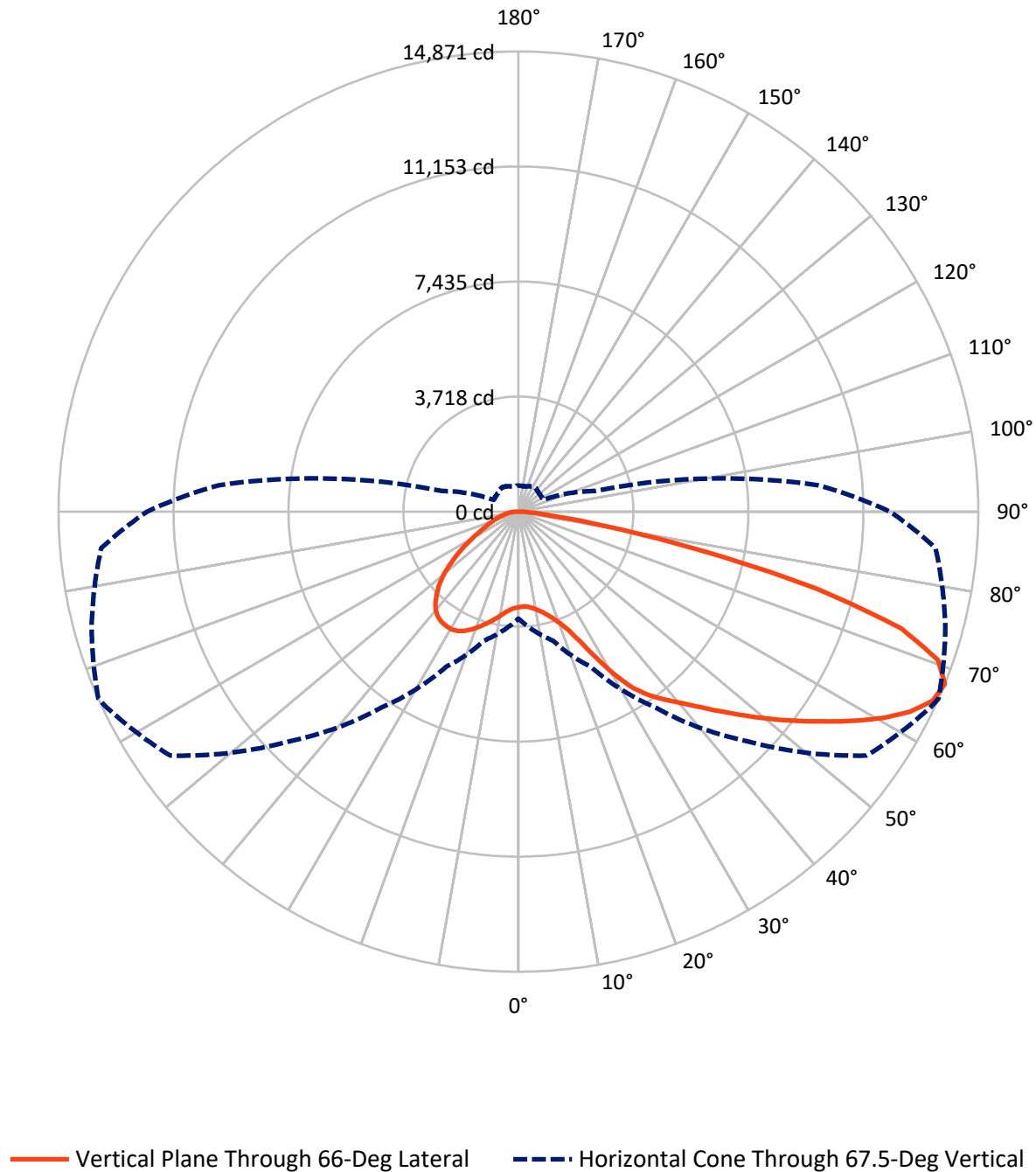
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
Type III - 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    | 6926.8   | 0.0    | 6926.8  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 20931.2  | 0.0    | 20931.2 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 27858.0  | 0.0    | 27858.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 306.3   | 1.1       |
| 10°-20°   | 1012.1  | 3.6       |
| 20°-30°   | 1950.8  | 7.0       |
| 30°-40°   | 3420.5  | 12.3      |
| 40°-50°   | 5085.1  | 18.3      |
| 50°-60°   | 6445.9  | 23.1      |
| 60°-70°   | 6307.1  | 22.6      |
| 70°-80°   | 3008.6  | 10.8      |
| 80°-90°   | 321.5   | 1.2       |
| 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°    | 27858.0 | 100.0     |
| 0°-180°   | 27858.0 | 100.0     |

**Coefficient of Utilization**



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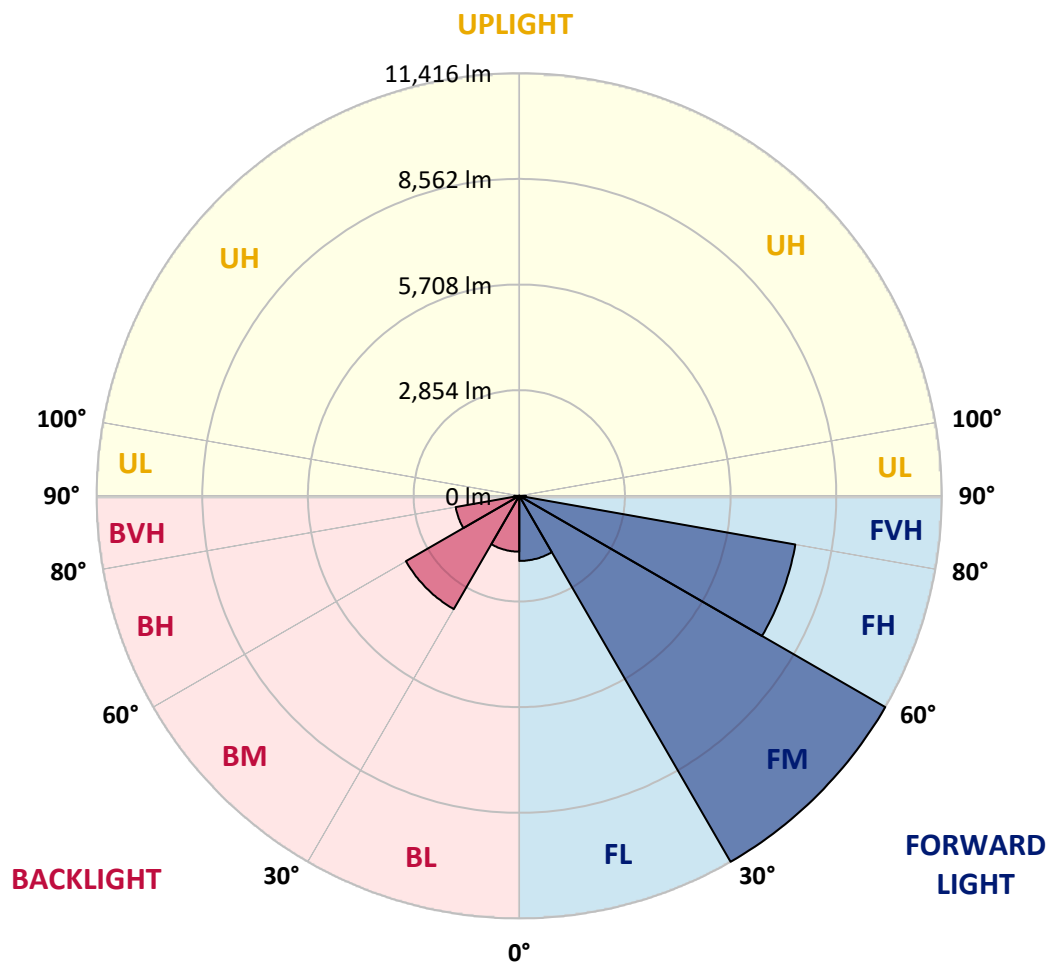
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1760.4  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 11416.0 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 7572.6  | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 182.3   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1508.9  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3535.5  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1743.1  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 139.2   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3089.8  | 3089.8  | 3089.8  | 3089.8  | 3089.8  | 3089.8  | 3089.8  | 3089.8  | 3089.8  | 3089.8  |
| 2.5°  | 3057.6  | 3075.2  | 3070.8  | 3063.5  | 3062.0  | 3064.9  | 3069.3  | 3073.7  | 3072.3  | 3079.6  |
| 5°    | 3048.8  | 3066.4  | 3064.9  | 3064.9  | 3070.8  | 3082.5  | 3089.8  | 3097.1  | 3089.8  | 3098.6  |
| 7.5°  | 3054.7  | 3067.9  | 3073.7  | 3079.6  | 3094.2  | 3116.2  | 3133.7  | 3149.8  | 3141.0  | 3151.3  |
| 10°   | 3129.3  | 3139.6  | 3145.4  | 3145.4  | 3155.7  | 3180.6  | 3198.1  | 3227.4  | 3220.1  | 3236.2  |
| 12.5° | 3265.5  | 3275.7  | 3275.7  | 3269.9  | 3277.2  | 3293.3  | 3299.1  | 3331.3  | 3318.2  | 3344.5  |
| 15°   | 3432.3  | 3452.8  | 3436.7  | 3426.5  | 3429.4  | 3445.5  | 3444.0  | 3468.9  | 3455.7  | 3477.7  |
| 17.5° | 3616.7  | 3643.1  | 3616.7  | 3615.3  | 3609.4  | 3627.0  | 3628.5  | 3650.4  | 3627.0  | 3643.1  |
| 20°   | 3834.8  | 3871.4  | 3849.5  | 3856.8  | 3843.6  | 3850.9  | 3858.3  | 3890.5  | 3853.9  | 3865.6  |
| 22.5° | 4142.2  | 4186.1  | 4162.7  | 4190.5  | 4181.7  | 4175.9  | 4174.4  | 4231.5  | 4174.4  | 4178.8  |
| 25°   | 4590.1  | 4642.8  | 4601.8  | 4639.9  | 4639.9  | 4658.9  | 4680.8  | 4754.0  | 4658.9  | 4631.1  |
| 27.5° | 5251.7  | 5304.4  | 5223.9  | 5247.3  | 5240.0  | 5286.8  | 5263.4  | 5444.9  | 5342.4  | 5297.0  |
| 30°   | 6047.9  | 6141.6  | 5989.4  | 5983.5  | 5976.2  | 6050.8  | 6084.5  | 6204.5  | 6100.6  | 6055.2  |
| 32.5° | 6908.6  | 7006.6  | 6825.1  | 6772.4  | 6744.6  | 6790.0  | 6762.2  | 6858.8  | 6787.1  | 6716.8  |
| 35°   | 7819.0  | 7915.6  | 7742.8  | 7640.4  | 7529.2  | 7434.0  | 7334.5  | 7359.4  | 7292.0  | 7185.2  |
| 37.5° | 8679.6  | 8856.7  | 8673.7  | 8564.0  | 8359.1  | 8173.2  | 7895.1  | 7779.4  | 7716.5  | 7618.4  |
| 40°   | 9556.3  | 9657.3  | 9518.3  | 9424.6  | 9202.1  | 8910.9  | 8465.9  | 8221.5  | 8136.6  | 8041.4  |
| 42.5° | 10201.8 | 10298.4 | 10223.8 | 10159.4 | 9985.2  | 9647.1  | 9071.9  | 8766.0  | 8643.0  | 8536.2  |
| 45°   | 10714.1 | 10785.8 | 10739.0 | 10762.4 | 10687.8 | 10359.9 | 9699.8  | 9350.0  | 9222.6  | 9092.4  |
| 47.5° | 10920.5 | 10996.6 | 11071.2 | 11210.3 | 11337.6 | 11096.1 | 10374.5 | 9982.3  | 9847.6  | 9714.4  |
| 50°   | 10897.1 | 10974.6 | 11191.3 | 11486.9 | 11882.1 | 11801.6 | 11085.9 | 10655.6 | 10531.1 | 10378.9 |
| 52.5° | 10709.7 | 10797.5 | 11075.6 | 11567.4 | 12196.8 | 12330.0 | 11810.4 | 11350.8 | 11233.7 | 11052.2 |
| 55°   | 10217.9 | 10270.6 | 10687.8 | 11384.5 | 12271.5 | 12698.9 | 12520.3 | 12091.4 | 11974.3 | 11721.1 |
| 57.5° | 9306.1  | 9382.2  | 9989.6  | 10891.2 | 12084.1 | 12949.1 | 13143.8 | 12870.1 | 12757.4 | 12392.9 |
| 60°   | 8116.1  | 8237.6  | 8932.8  | 10062.8 | 11607.0 | 12947.7 | 13710.3 | 13635.6 | 13541.9 | 13054.5 |
| 62.5° | 6769.5  | 6910.0  | 7578.9  | 8891.8  | 10772.7 | 12580.3 | 14064.5 | 14276.7 | 14228.4 | 13664.9 |
| 65°   | 5199.0  | 5295.6  | 5961.6  | 7376.9  | 9474.4  | 11791.4 | 14105.4 | 14714.3 | 14723.1 | 14128.9 |
| 67.5° | 3461.6  | 3739.7  | 4317.8  | 5535.6  | 7735.5  | 10501.9 | 13745.4 | 14786.1 | 14870.9 | 14288.4 |
| 70°   | 1689.1  | 2055.0  | 2621.4  | 3597.7  | 5535.6  | 8524.4  | 12804.2 | 14197.7 | 14386.5 | 13823.0 |
| 72.5° | 701.1   | 819.7   | 1128.5  | 1775.4  | 3177.6  | 5752.2  | 10913.2 | 12602.3 | 12952.1 | 12248.0 |
| 75°   | 472.8   | 512.3   | 645.5   | 910.4   | 1447.6  | 2836.6  | 7870.2  | 9396.8  | 9960.3  | 9250.4  |
| 77.5° | 364.5   | 389.3   | 469.8   | 636.7   | 860.6   | 1072.9  | 4212.5  | 5663.0  | 5954.2  | 5512.2  |
| 80°   | 286.9   | 305.9   | 351.3   | 464.0   | 610.4   | 573.8   | 1435.9  | 2565.8  | 2734.1  | 2293.6  |
| 82.5° | 248.8   | 256.1   | 251.8   | 314.7   | 405.4   | 335.2   | 471.3   | 947.0   | 1045.1  | 758.2   |
| 85°   | 180.0   | 200.5   | 209.3   | 194.7   | 215.2   | 169.8   | 193.2   | 335.2   | 368.8   | 329.3   |
| 87.5° | 73.2    | 108.3   | 133.2   | 125.9   | 79.0    | 48.3    | 60.0    | 98.1    | 112.7   | 122.9   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3089.8  | 0°    | 3089.8  | 3089.8  | 3089.8 | 3089.8 | 3089.8 | 3089.8 | 3089.8 | 3089.8 | 3089.8 | 3089.8 |
| 3091.3  | 2.5°  | 3092.7  | 3103.0  | 3110.3 | 3119.1 | 3124.9 | 3133.7 | 3151.3 | 3161.5 | 3163.0 | 3170.3 |
| 3114.7  | 5°    | 3120.6  | 3135.2  | 3151.3 | 3174.7 | 3201.1 | 3223.0 | 3256.7 | 3280.1 | 3288.9 | 3296.2 |
| 3171.8  | 7.5°  | 3180.6  | 3201.1  | 3230.3 | 3271.3 | 3309.4 | 3338.6 | 3379.6 | 3407.4 | 3435.2 | 3445.5 |
| 3262.5  | 10°   | 3269.9  | 3299.1  | 3341.6 | 3397.2 | 3438.2 | 3476.2 | 3518.7 | 3542.1 | 3569.9 | 3581.6 |
| 3370.8  | 12.5° | 3381.1  | 3411.8  | 3467.4 | 3545.0 | 3583.1 | 3609.4 | 3624.1 | 3618.2 | 3624.1 | 3634.3 |
| 3501.1  | 15°   | 3508.4  | 3542.1  | 3605.0 | 3688.5 | 3714.8 | 3691.4 | 3659.2 | 3629.9 | 3625.5 | 3628.5 |
| 3659.2  | 17.5° | 3659.2  | 3684.1  | 3757.3 | 3827.5 | 3808.5 | 3711.9 | 3641.6 | 3594.8 | 3571.4 | 3564.1 |
| 3861.2  | 20°   | 3870.0  | 3870.0  | 3930.0 | 3973.9 | 3846.5 | 3682.6 | 3572.8 | 3496.7 | 3448.4 | 3427.9 |
| 4136.3  | 22.5° | 4126.1  | 4102.7  | 4140.7 | 4110.0 | 3839.2 | 3600.6 | 3448.4 | 3316.7 | 3243.5 | 3214.2 |
| 4521.3  | 25°   | 4451.0  | 4423.2  | 4413.0 | 4222.7 | 3786.5 | 3470.4 | 3223.0 | 3063.5 | 2999.1 | 2983.0 |
| 5076.0  | 27.5° | 4941.4  | 4871.1  | 4737.9 | 4284.2 | 3689.9 | 3265.5 | 2959.6 | 2811.7 | 2775.1 | 2776.6 |
| 5788.8  | 30°   | 5594.2  | 5453.7  | 5127.3 | 4294.4 | 3531.9 | 2975.7 | 2690.2 | 2584.9 | 2567.3 | 2574.6 |
| 6387.5  | 32.5° | 6198.7  | 6065.5  | 5525.4 | 4247.6 | 3288.9 | 2691.7 | 2448.7 | 2378.5 | 2352.1 | 2360.9 |
| 6844.1  | 35°   | 6672.9  | 6636.3  | 5894.2 | 4181.7 | 2990.3 | 2425.3 | 2232.1 | 2172.1 | 2120.9 | 2109.2 |
| 7274.5  | 37.5° | 7120.8  | 7106.1  | 6170.9 | 4089.5 | 2694.6 | 2236.5 | 2057.9 | 1978.9 | 1904.2 | 1863.3 |
| 7750.2  | 40°   | 7612.6  | 7597.9  | 6352.4 | 3947.5 | 2432.6 | 2072.6 | 1901.3 | 1797.4 | 1705.2 | 1630.5 |
| 8288.8  | 42.5° | 8165.8  | 8079.5  | 6438.7 | 3744.1 | 2210.2 | 1933.5 | 1774.0 | 1633.5 | 1512.0 | 1443.2 |
| 8897.7  | 45°   | 8770.3  | 8575.7  | 6437.2 | 3485.0 | 2022.8 | 1806.2 | 1637.9 | 1438.8 | 1326.1 | 1261.7 |
| 9522.7  | 47.5° | 9411.4  | 9049.9  | 6358.2 | 3198.1 | 1841.3 | 1665.7 | 1427.1 | 1274.9 | 1200.2 | 1160.7 |
| 10201.8 | 50°   | 10073.0 | 9493.4  | 6223.6 | 2868.8 | 1655.4 | 1506.1 | 1295.4 | 1191.4 | 1134.3 | 1097.8 |
| 10875.1 | 52.5° | 10695.1 | 9895.9  | 6061.1 | 2495.6 | 1466.6 | 1351.0 | 1236.8 | 1156.3 | 1096.3 | 1055.3 |
| 11527.9 | 55°   | 11273.2 | 10242.8 | 5831.3 | 2113.5 | 1312.9 | 1247.1 | 1209.0 | 1141.7 | 1072.9 | 1024.6 |
| 12191.0 | 57.5° | 11787.0 | 10468.2 | 5434.6 | 1754.9 | 1203.1 | 1175.3 | 1179.7 | 1116.8 | 1037.7 | 996.8  |
| 12843.8 | 60°   | 12214.4 | 10633.6 | 4847.7 | 1422.7 | 1113.9 | 1105.1 | 1134.3 | 1069.9 | 977.7  | 930.9  |
| 13395.6 | 62.5° | 12470.5 | 10630.7 | 4127.6 | 1165.1 | 1037.7 | 1040.7 | 1074.3 | 1011.4 | 917.7  | 873.8  |
| 13683.9 | 65°   | 12448.6 | 10370.1 | 3337.2 | 996.8  | 964.6  | 967.5  | 1011.4 | 947.0  | 868.0  | 841.6  |
| 13539.0 | 67.5° | 12008.0 | 9734.9  | 2560.0 | 887.0  | 884.1  | 897.2  | 948.5  | 903.1  | 837.2  | 834.3  |
| 12675.4 | 70°   | 10815.1 | 8416.1  | 1844.2 | 799.2  | 800.6  | 819.7  | 887.0  | 875.3  | 821.1  | 827.0  |
| 10657.0 | 72.5° | 8672.3  | 6416.8  | 1238.3 | 707.0  | 708.4  | 739.2  | 828.4  | 853.3  | 805.0  | 882.6  |
| 7561.4  | 75°   | 5775.7  | 4001.7  | 796.2  | 608.9  | 610.4  | 649.9  | 777.2  | 810.9  | 761.1  | 879.7  |
| 3934.4  | 77.5° | 2775.1  | 1798.9  | 576.7  | 512.3  | 512.3  | 548.9  | 671.8  | 726.0  | 648.4  | 683.5  |
| 1264.6  | 80°   | 958.7   | 676.2   | 453.7  | 412.8  | 404.0  | 428.9  | 566.4  | 629.4  | 559.1  | 515.2  |
| 412.8   | 82.5° | 377.6   | 351.3   | 364.5  | 320.5  | 291.3  | 307.4  | 440.6  | 519.6  | 411.3  | 371.8  |
| 232.7   | 85°   | 216.6   | 228.3   | 257.6  | 212.2  | 168.3  | 188.8  | 323.5  | 373.2  | 310.3  | 273.7  |
| 76.1    | 87.5° | 58.5    | 80.5    | 118.6  | 109.8  | 76.1   | 80.5   | 153.7  | 206.4  | 178.6  | 137.6  |
| 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°   |
|--------|
| 3089.8 |
| 3168.9 |
| 3294.7 |
| 3447.0 |
| 3587.5 |
| 3637.2 |
| 3638.7 |
| 3574.3 |
| 3423.5 |
| 3209.8 |
| 2985.9 |
| 2781.0 |
| 2599.5 |
| 2372.6 |
| 2117.9 |
| 1864.7 |
| 1637.9 |
| 1447.6 |
| 1258.8 |
| 1151.9 |
| 1084.6 |
| 1037.7 |
| 1005.5 |
| 970.4  |
| 910.4  |
| 860.6  |
| 840.2  |
| 838.7  |
| 825.5  |
| 894.3  |
| 887.0  |
| 626.5  |
| 483.0  |
| 370.3  |
| 279.6  |
| 142.0  |
| 0.0    |