

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: P850073

Luminaire Tested: **GLAN-SB7B-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850073  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26781 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

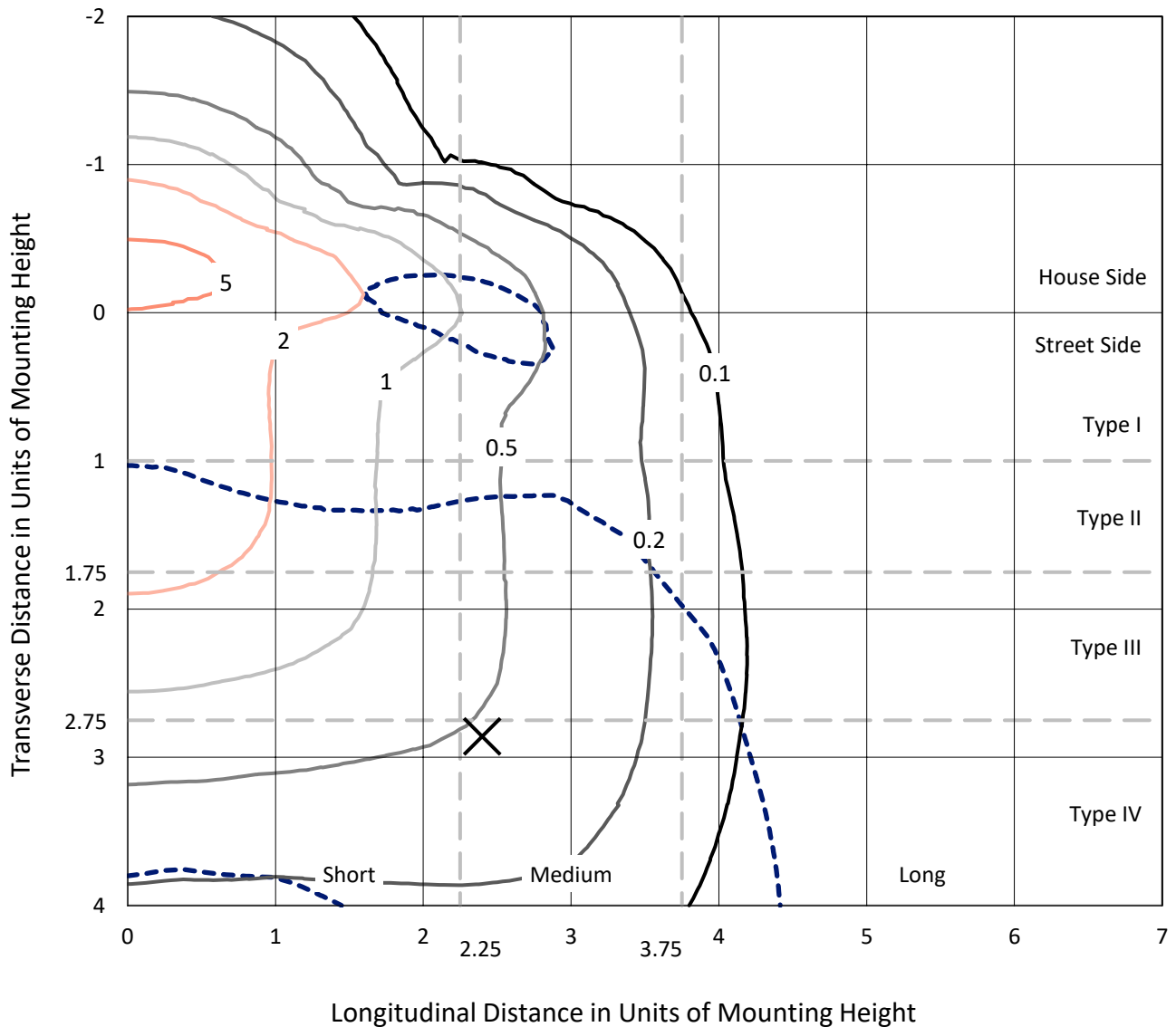
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

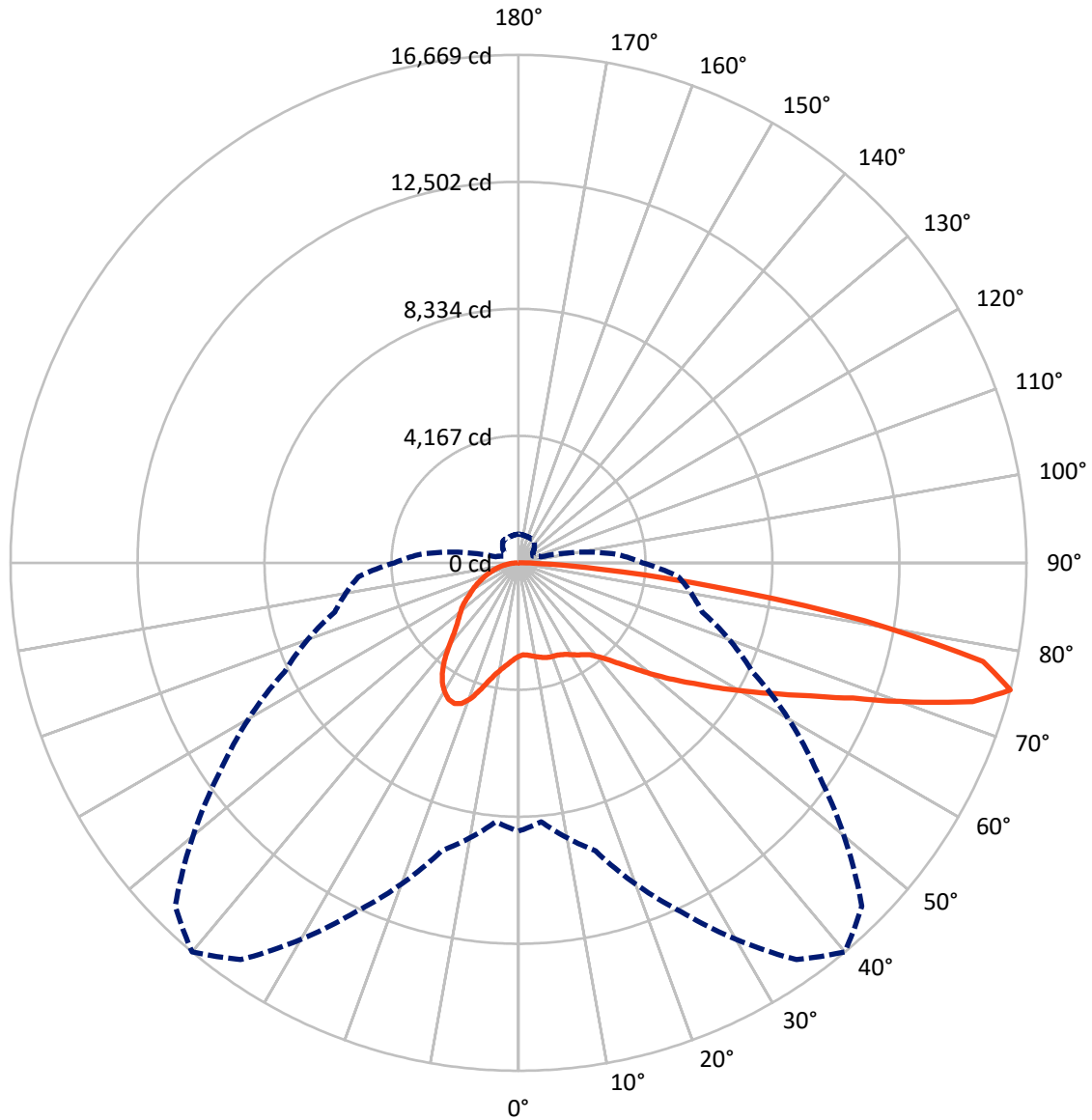
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8297.6   | 0.0    | 8297.6  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 18483.3  | 0.0    | 18483.3 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 26781.0  | 0.0    | 26781.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 305.7   | 1.1       |
| 10°-20°   | 1026.3  | 3.8       |
| 20°-30°   | 1874.0  | 7.0       |
| 30°-40°   | 2657.9  | 9.9       |
| 40°-50°   | 3588.9  | 13.4      |
| 50°-60°   | 4828.1  | 18.0      |
| 60°-70°   | 6127.9  | 22.9      |
| 70°-80°   | 5561.5  | 20.8      |
| 80°-90°   | 810.7   | 3.0       |
| 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°    | 26781.0 | 100.0     |
| 0°-180°   | 26781.0 | 100.0     |

**Coefficient of Utilization**

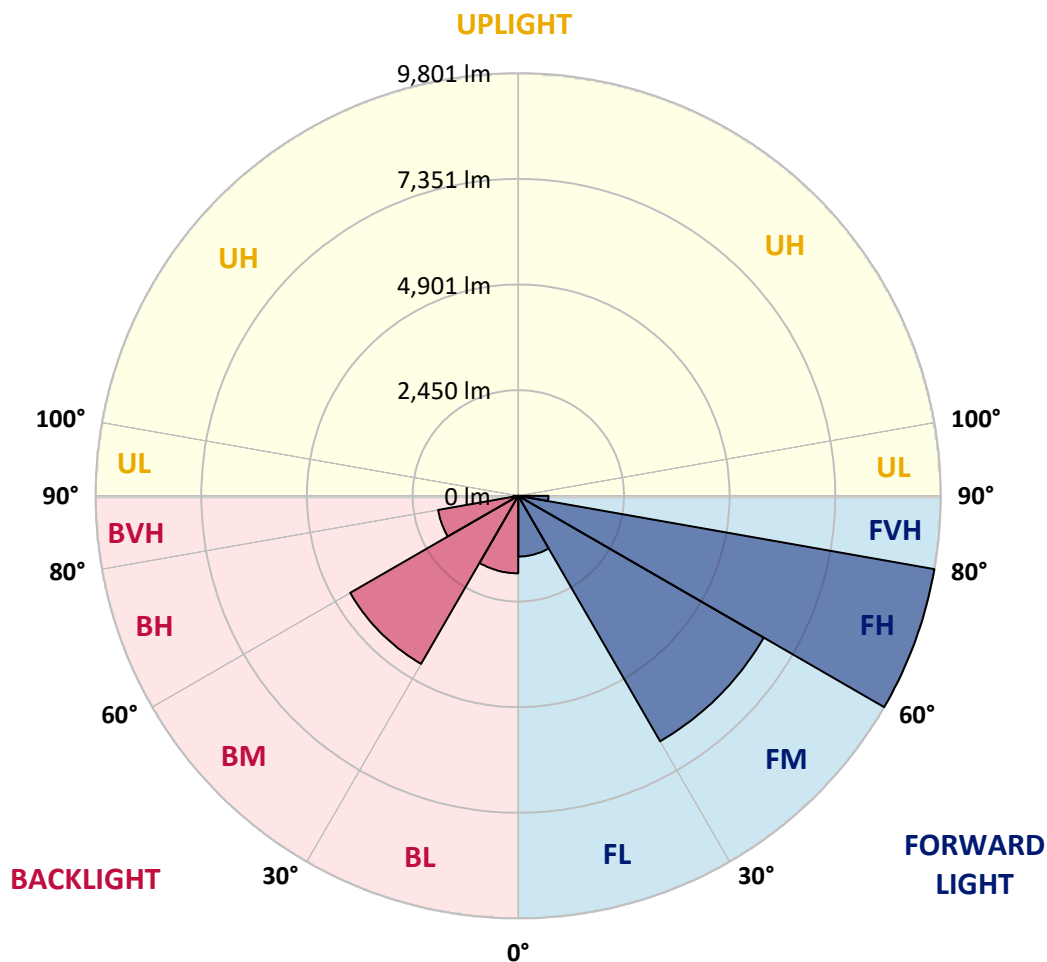


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|--------|-----------|-------------------------|------|----------|
|                |        |           | B                       | U    | G        |
| FL (0°-30°)    | 1408.7 | 5.3       |                         |      |          |
| FM (30°-60°)   | 6574.1 | 24.5      |                         |      |          |
| FH (60°-80°)   | 9801.4 | 36.6      |                         |      | G4/12000 |
| FVH (80°-90°)  | 699.1  | 2.6       |                         |      | G4/750   |
| BL (0°-30°)    | 1797.3 | 6.7       | B3/2500                 |      |          |
| BM (30°-60°)   | 4500.7 | 16.8      | B3/5000                 |      |          |
| BH (60°-80°)   | 1888.0 | 7.0       | B3/2500                 |      | G3/2500  |
| BVH (80°-90°)  | 111.6  | 0.4       |                         |      | 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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 3062.4  | 3062.4  | 3062.4  | 3062.4  | 3062.4  | 3062.4  | 3062.4  | 3062.4  | 3062.4 | 3062.4 |
| 2.5°  | 3015.6  | 3032.6  | 3028.4  | 3022.7  | 3022.7  | 3024.1  | 3022.7  | 3032.6  | 3042.6 | 3052.5 |
| 5°    | 3046.8  | 3063.9  | 3055.3  | 3048.2  | 3042.6  | 3041.1  | 3036.9  | 3035.5  | 3041.1 | 3053.9 |
| 7.5°  | 3107.9  | 3124.9  | 3112.2  | 3099.4  | 3088.0  | 3082.3  | 3076.6  | 3068.1  | 3063.9 | 3071.0 |
| 10°   | 3176.1  | 3193.1  | 3177.5  | 3154.8  | 3136.3  | 3129.2  | 3123.5  | 3115.0  | 3109.3 | 3113.6 |
| 12.5° | 3244.3  | 3261.3  | 3240.0  | 3208.7  | 3184.6  | 3180.3  | 3173.2  | 3170.4  | 3169.0 | 3167.6 |
| 15°   | 3308.2  | 3322.4  | 3295.4  | 3258.5  | 3232.9  | 3225.8  | 3218.7  | 3223.0  | 3230.1 | 3238.6 |
| 17.5° | 3357.9  | 3372.1  | 3332.3  | 3284.0  | 3259.9  | 3257.0  | 3252.8  | 3267.0  | 3286.9 | 3308.2 |
| 20°   | 3403.3  | 3417.6  | 3366.4  | 3301.1  | 3272.7  | 3272.7  | 3274.1  | 3303.9  | 3332.3 | 3363.6 |
| 22.5° | 3467.3  | 3478.6  | 3416.1  | 3326.6  | 3285.5  | 3288.3  | 3299.7  | 3329.5  | 3365.0 | 3407.6 |
| 25°   | 3562.4  | 3571.0  | 3494.3  | 3374.9  | 3328.1  | 3336.6  | 3346.5  | 3360.7  | 3394.8 | 3444.5 |
| 27.5° | 3715.8  | 3722.9  | 3622.1  | 3460.2  | 3389.1  | 3403.3  | 3417.6  | 3407.6  | 3423.2 | 3465.8 |
| 30°   | 3931.7  | 3936.0  | 3808.2  | 3593.7  | 3492.8  | 3499.9  | 3502.8  | 3461.6  | 3431.8 | 3465.8 |
| 32.5° | 4187.4  | 4186.0  | 4034.0  | 3755.6  | 3610.7  | 3603.6  | 3579.5  | 3498.5  | 3428.9 | 3458.7 |
| 35°   | 4583.7  | 4568.1  | 4372.1  | 3982.9  | 3744.2  | 3700.2  | 3643.4  | 3539.7  | 3443.1 | 3451.6 |
| 37.5° | 5240.0  | 5191.7  | 4920.4  | 4355.0  | 3943.1  | 3830.9  | 3747.1  | 3606.5  | 3474.4 | 3448.8 |
| 40°   | 5980.0  | 5918.9  | 5620.6  | 4865.0  | 4241.4  | 4061.0  | 3926.1  | 3701.6  | 3525.5 | 3461.6 |
| 42.5° | 6857.8  | 6771.2  | 6450.2  | 5465.8  | 4619.2  | 4357.9  | 4154.8  | 3822.4  | 3600.8 | 3502.8 |
| 45°   | 7935.9  | 7820.9  | 7366.3  | 6143.4  | 5095.1  | 4747.1  | 4475.8  | 4005.6  | 3715.8 | 3582.3 |
| 47.5° | 9025.4  | 9053.8  | 8407.5  | 6918.9  | 5666.1  | 5227.2  | 4877.8  | 4281.2  | 3883.5 | 3710.2 |
| 50°   | 10183.0 | 10202.9 | 9443.0  | 7778.3  | 6313.8  | 5769.8  | 5329.4  | 4589.4  | 4116.4 | 3892.0 |
| 52.5° | 11086.4 | 11089.3 | 10383.3 | 8677.4  | 6988.5  | 6366.4  | 5816.7  | 4941.7  | 4386.3 | 4133.4 |
| 55°   | 11651.8 | 11644.7 | 11042.4 | 9528.2  | 7764.1  | 6992.8  | 6356.4  | 5342.2  | 4715.8 | 4417.5 |
| 57.5° | 12062.3 | 12041.0 | 11496.9 | 10259.8 | 8590.7  | 7732.8  | 6967.2  | 5796.8  | 5105.0 | 4755.6 |
| 60°   | 12218.5 | 12205.7 | 11805.2 | 10891.8 | 9460.1  | 8551.0  | 7671.7  | 6305.3  | 5546.8 | 5154.7 |
| 62.5° | 12278.2 | 12302.3 | 12107.7 | 11504.0 | 10390.4 | 9457.2  | 8445.9  | 6913.2  | 6043.9 | 5606.4 |
| 65°   | 12488.4 | 12532.4 | 12492.7 | 12305.2 | 11441.5 | 10518.3 | 9472.8  | 7636.2  | 6586.5 | 6090.8 |
| 67.5° | 12904.6 | 12948.6 | 12965.7 | 13264.0 | 12725.6 | 11840.7 | 10754.1 | 8536.8  | 7221.5 | 6593.6 |
| 70°   | 12894.6 | 12881.9 | 13183.0 | 14026.7 | 14333.5 | 13671.6 | 12481.3 | 9644.7  | 7978.5 | 7011.2 |
| 72.5° | 11737.0 | 11634.7 | 12346.4 | 14018.2 | 15671.6 | 15583.5 | 14590.6 | 11073.7 | 8631.9 | 7062.4 |
| 75°   | 8805.2  | 8532.5  | 9789.6  | 12633.3 | 15894.6 | 16668.7 | 15931.5 | 11960.0 | 8477.1 | 6239.9 |
| 77.5° | 3765.6  | 3491.4  | 4972.9  | 9352.1  | 14225.6 | 15582.1 | 14701.4 | 10434.5 | 6766.9 | 4126.3 |
| 80°   | 985.8   | 984.4   | 1502.8  | 4240.0  | 9674.5  | 11506.9 | 10095.0 | 6738.5  | 3866.4 | 1474.4 |
| 82.5° | 407.7   | 397.7   | 552.5   | 1649.1  | 4727.2  | 6457.3  | 5269.8  | 3005.6  | 1396.3 | 399.1  |
| 85°   | 152.0   | 150.6   | 268.5   | 569.6   | 1667.6  | 2663.3  | 1927.5  | 768.5   | 348.0  | 194.6  |
| 87.5° | 42.6    | 41.2    | 58.2    | 197.4   | 406.2   | 616.5   | 329.5   | 126.4   | 98.0   | 76.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3062.4 | 0°    | 3062.4 | 3062.4 | 3062.4 | 3062.4 | 3062.4 | 3062.4 | 3062.4 | 3062.4 | 3062.4 | 3062.4 |
| 3068.1 | 2.5°  | 3072.4 | 3079.5 | 3092.3 | 3102.2 | 3115.0 | 3129.2 | 3149.1 | 3161.9 | 3174.7 | 3183.2 |
| 3075.2 | 5°    | 3085.2 | 3100.8 | 3133.5 | 3166.1 | 3204.5 | 3240.0 | 3281.2 | 3311.0 | 3335.2 | 3342.3 |
| 3100.8 | 7.5°  | 3113.6 | 3139.1 | 3194.5 | 3249.9 | 3311.0 | 3369.3 | 3428.9 | 3480.0 | 3521.2 | 3536.9 |
| 3146.2 | 10°   | 3163.3 | 3197.4 | 3275.5 | 3353.6 | 3434.6 | 3524.1 | 3600.8 | 3674.6 | 3732.9 | 3757.0 |
| 3200.2 | 12.5° | 3225.8 | 3268.4 | 3370.7 | 3478.6 | 3590.8 | 3714.4 | 3813.8 | 3904.8 | 3977.2 | 4009.9 |
| 3275.5 | 15°   | 3306.8 | 3362.2 | 3492.8 | 3637.7 | 3802.5 | 3974.4 | 4100.8 | 4201.6 | 4282.6 | 4322.4 |
| 3353.6 | 17.5° | 3394.8 | 3468.7 | 3633.5 | 3852.2 | 4088.0 | 4313.8 | 4461.6 | 4535.4 | 4619.2 | 4657.6 |
| 3426.1 | 20°   | 3480.0 | 3571.0 | 3806.7 | 4124.9 | 4438.8 | 4678.9 | 4798.2 | 4818.1 | 4823.8 | 4828.0 |
| 3494.3 | 22.5° | 3568.1 | 3690.3 | 4024.1 | 4468.7 | 4805.3 | 4971.5 | 4988.5 | 4903.3 | 4784.0 | 4728.6 |
| 3561.0 | 25°   | 3664.7 | 3826.6 | 4308.2 | 4847.9 | 5120.6 | 5140.5 | 5009.8 | 4802.5 | 4576.6 | 4472.9 |
| 3615.0 | 27.5° | 3758.5 | 3984.3 | 4649.1 | 5210.1 | 5347.9 | 5173.2 | 4892.0 | 4597.9 | 4325.2 | 4215.8 |
| 3653.3 | 30°   | 3852.2 | 4164.7 | 5025.5 | 5526.9 | 5451.6 | 5092.2 | 4705.9 | 4377.8 | 4103.6 | 3988.6 |
| 3687.4 | 32.5° | 3947.4 | 4374.9 | 5458.7 | 5755.6 | 5433.1 | 4920.4 | 4474.3 | 4130.6 | 3889.1 | 3768.4 |
| 3717.3 | 35°   | 4055.3 | 4633.4 | 5869.2 | 5880.6 | 5309.6 | 4667.5 | 4169.0 | 3835.2 | 3624.9 | 3528.3 |
| 3752.8 | 37.5° | 4195.9 | 4961.6 | 6231.4 | 5911.8 | 5093.7 | 4296.8 | 3789.7 | 3485.7 | 3312.4 | 3268.4 |
| 3805.3 | 40°   | 4370.7 | 5356.4 | 6508.4 | 5862.1 | 4774.1 | 3846.5 | 3374.9 | 3132.0 | 3034.0 | 3044.0 |
| 3876.3 | 42.5° | 4597.9 | 5798.2 | 6703.0 | 5734.3 | 4329.5 | 3382.0 | 3011.3 | 2903.4 | 2950.2 | 2990.0 |
| 3982.9 | 45°   | 4893.4 | 6257.0 | 6823.7 | 5516.9 | 3826.6 | 2988.6 | 2796.8 | 2822.4 | 2857.9 | 2862.2 |
| 4154.8 | 47.5° | 5271.2 | 6721.5 | 6903.3 | 5188.8 | 3313.9 | 2711.6 | 2660.5 | 2666.1 | 2659.0 | 2629.2 |
| 4411.8 | 50°   | 5742.8 | 7173.2 | 6974.3 | 4754.2 | 2877.8 | 2538.3 | 2470.1 | 2450.2 | 2352.2 | 2255.6 |
| 4754.2 | 52.5° | 6279.7 | 7587.9 | 7004.1 | 4214.4 | 2538.3 | 2393.4 | 2282.6 | 2157.6 | 1974.4 | 1944.6 |
| 5184.6 | 55°   | 6876.3 | 7971.4 | 6927.4 | 3551.1 | 2252.8 | 2207.3 | 2039.7 | 1889.2 | 1869.3 | 1843.7 |
| 5751.3 | 57.5° | 7589.3 | 8384.8 | 6771.2 | 2811.0 | 1960.2 | 1990.0 | 1826.7 | 1843.7 | 1808.2 | 1768.4 |
| 6480.0 | 60°   | 8369.2 | 8812.3 | 6497.0 | 2136.3 | 1657.6 | 1718.7 | 1771.3 | 1769.9 | 1759.9 | 1727.2 |
| 7248.4 | 62.5° | 9070.9 | 9093.6 | 5957.3 | 1636.3 | 1392.0 | 1508.5 | 1652.0 | 1650.5 | 1642.0 | 1623.5 |
| 8051.0 | 65°   | 9488.5 | 9051.0 | 5056.7 | 1288.3 | 1173.3 | 1335.2 | 1490.0 | 1501.4 | 1502.8 | 1501.4 |
| 8654.7 | 67.5° | 9414.6 | 8552.4 | 3821.0 | 1025.5 | 992.9  | 1159.1 | 1329.5 | 1345.1 | 1356.5 | 1359.3 |
| 8731.4 | 70°   | 8579.4 | 7457.2 | 2491.4 | 818.2  | 832.4  | 1004.2 | 1177.5 | 1193.2 | 1203.1 | 1214.5 |
| 7576.6 | 72.5° | 6687.4 | 5482.9 | 1426.1 | 661.9  | 691.7  | 870.7  | 1027.0 | 1045.4 | 1051.1 | 1072.4 |
| 5272.6 | 75°   | 4075.2 | 3224.4 | 769.9  | 521.3  | 568.2  | 744.3  | 877.8  | 899.1  | 909.1  | 934.6  |
| 2589.4 | 77.5° | 1937.5 | 1396.3 | 438.9  | 406.2  | 457.4  | 607.9  | 741.5  | 765.6  | 738.6  | 752.8  |
| 714.5  | 80°   | 654.8  | 518.5  | 277.0  | 309.7  | 349.4  | 474.4  | 593.7  | 617.9  | 561.1  | 558.2  |
| 237.2  | 82.5° | 228.7  | 210.2  | 176.1  | 206.0  | 225.8  | 339.5  | 448.9  | 480.1  | 417.6  | 416.2  |
| 106.5  | 85°   | 89.5   | 85.2   | 98.0   | 112.2  | 134.9  | 208.8  | 295.4  | 311.1  | 257.1  | 207.4  |
| 31.2   | 87.5° | 18.5   | 19.9   | 24.1   | 25.6   | 41.2   | 72.4   | 106.5  | 130.7  | 103.7  | 88.1   |
| 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°   |
|--------|
| 3062.4 |
| 3177.5 |
| 3345.1 |
| 3538.3 |
| 3758.5 |
| 4009.9 |
| 4319.5 |
| 4656.2 |
| 4839.4 |
| 4744.2 |
| 4488.6 |
| 4228.6 |
| 4001.3 |
| 3784.0 |
| 3549.6 |
| 3299.7 |
| 3078.1 |
| 3026.9 |
| 2890.6 |
| 2651.9 |
| 2268.4 |
| 1954.5 |
| 1848.0 |
| 1761.3 |
| 1715.9 |
| 1616.4 |
| 1501.4 |
| 1362.2 |
| 1220.1 |
| 1080.9 |
| 937.5  |
| 741.5  |
| 552.5  |
| 396.3  |
| 204.5  |
| 81.0   |
| 0.0    |

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