

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: P943479

Luminaire Tested: **GLAN-SB8A-722-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943479  
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-SB8A-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 29616 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 227.1  
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

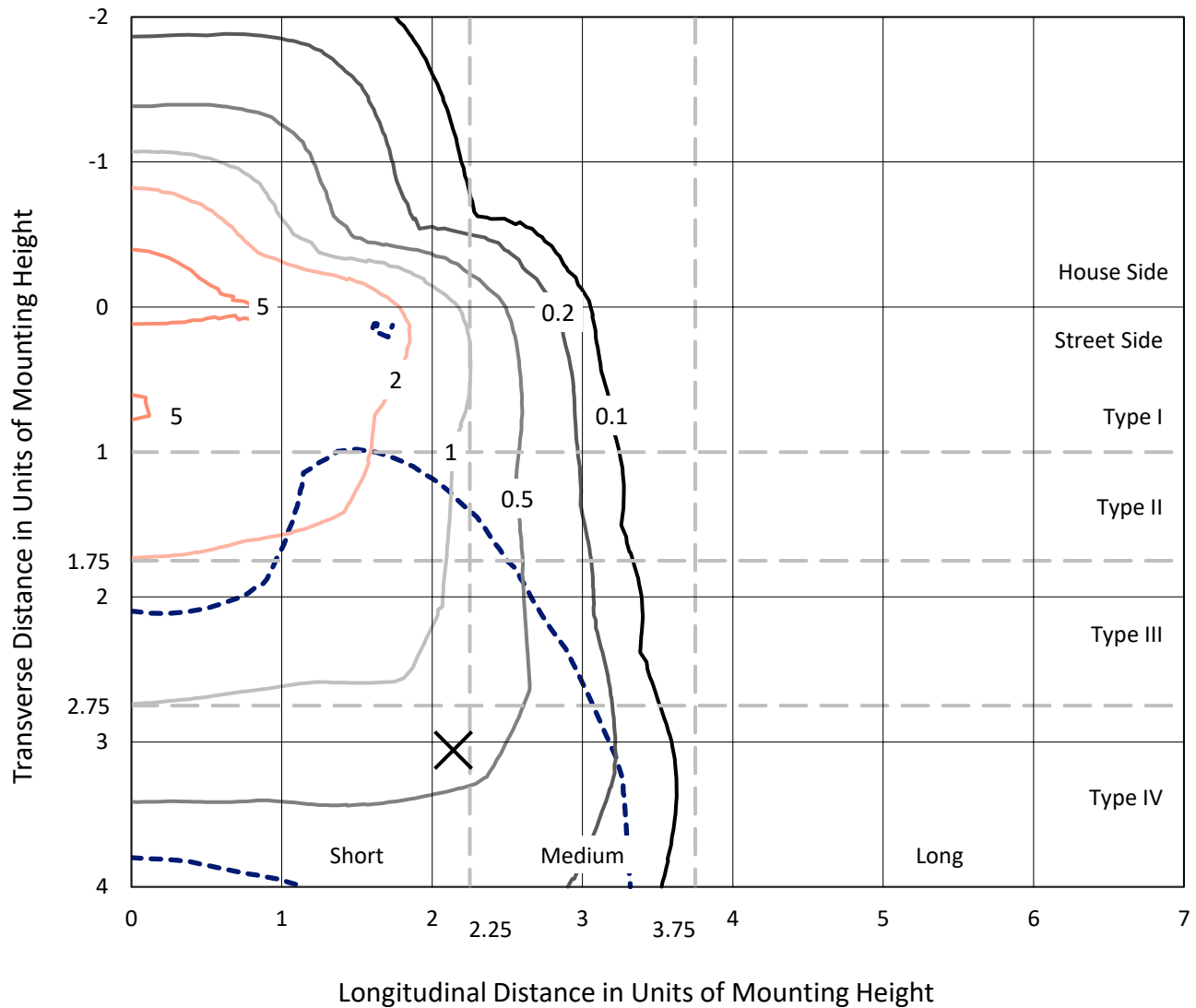


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

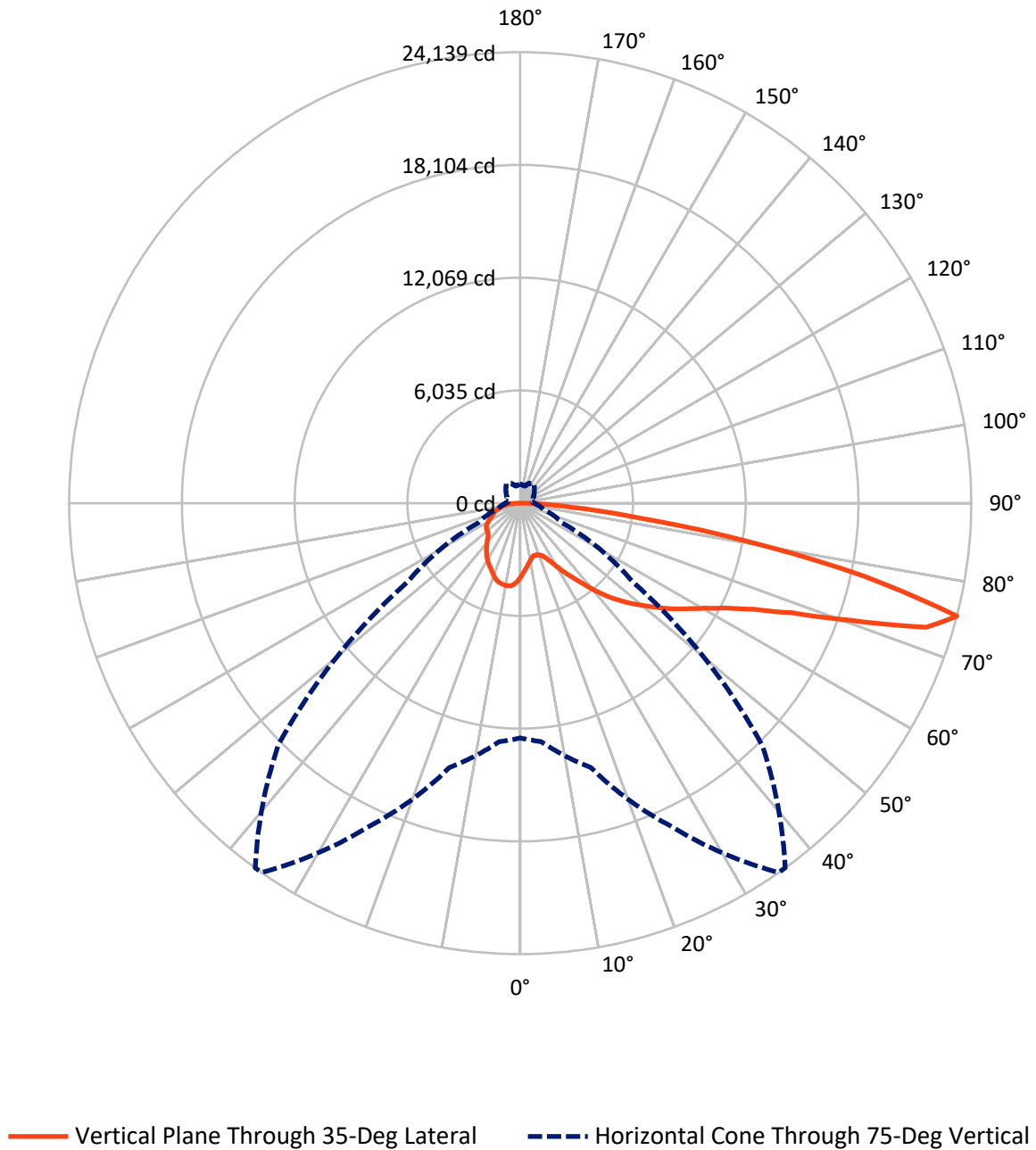


Based on 25 foot mounting height. Maximum calculated value = 7 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7047.9   | 0.0    | 7047.9  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 22568.1  | 0.0    | 22568.1 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 29616.0  | 0.0    | 29616.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 373.7   | 1.3       |
| 10°-20°   | 1077.8  | 3.6       |
| 20°-30°   | 1809.9  | 6.1       |
| 30°-40°   | 2812.8  | 9.5       |
| 40°-50°   | 4175.0  | 14.1      |
| 50°-60°   | 5763.8  | 19.5      |
| 60°-70°   | 6992.8  | 23.6      |
| 70°-80°   | 5779.0  | 19.5      |
| 80°-90°   | 831.2   | 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°    | 29616.0 | 100.0     |
| 0°-180°   | 29616.0 | 100.0     |

**Coefficient of Utilization**



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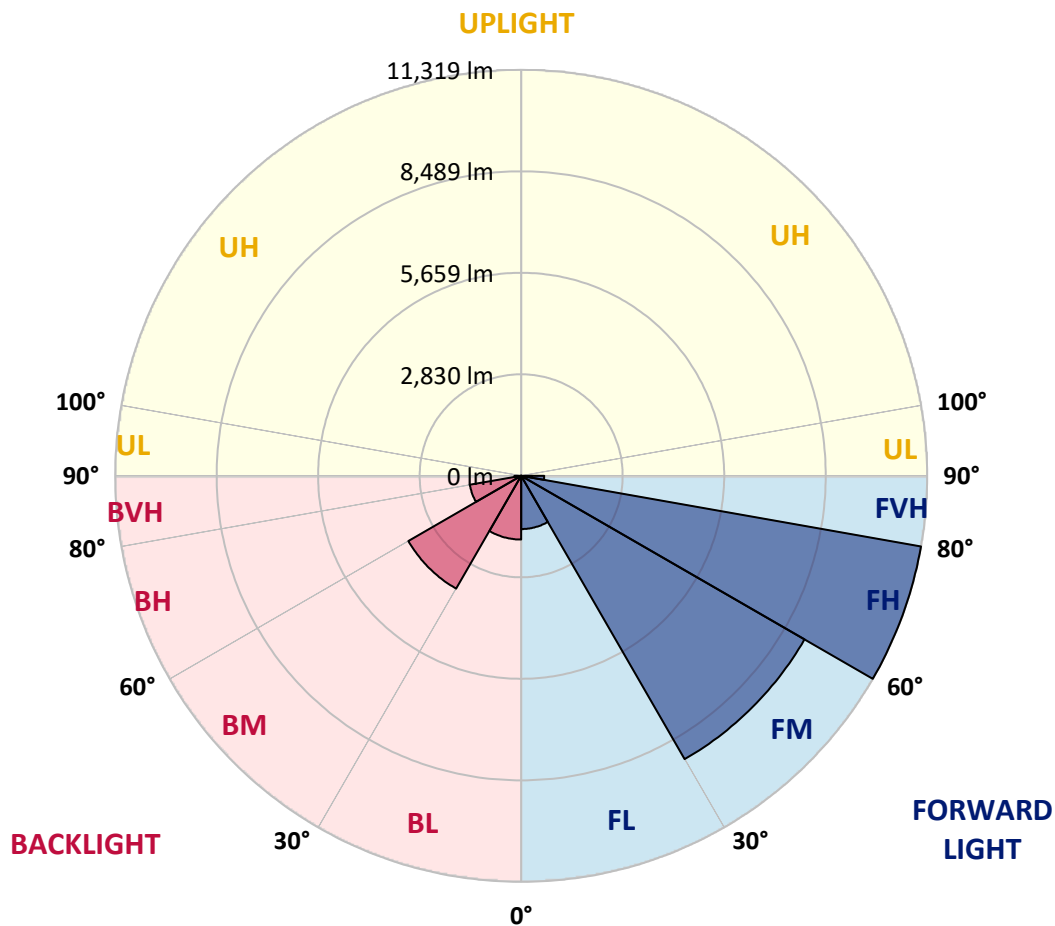
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1485.2  | 5.0       |                         |      |          |
| FM   | (30°-60°)   | 9120.1  | 30.8      |                         |      |          |
| FH   | (60°-80°)   | 11318.8 | 38.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 644.0   | 2.2       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1776.2  | 6.0       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3631.5  | 12.3      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1453.1  | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 187.2   | 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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3946.5  | 3946.5  | 3946.5  | 3946.5  | 3946.5  | 3946.5  | 3946.5  | 3946.5  | 3946.5  | 3946.5  |
| 2.5°  | 3639.1  | 3661.5  | 3671.2  | 3666.4  | 3690.4  | 3687.2  | 3720.8  | 3762.4  | 3820.1  | 3876.1  |
| 5°    | 3359.0  | 3383.0  | 3403.8  | 3423.0  | 3469.4  | 3483.8  | 3536.7  | 3616.7  | 3722.4  | 3829.7  |
| 7.5°  | 3098.0  | 3118.8  | 3150.8  | 3186.0  | 3264.5  | 3278.9  | 3367.0  | 3491.8  | 3639.1  | 3796.0  |
| 10°   | 2885.1  | 2905.9  | 2939.5  | 2979.5  | 3077.2  | 3094.8  | 3206.9  | 3373.4  | 3565.5  | 3764.0  |
| 12.5° | 2793.8  | 2800.2  | 2819.4  | 2859.4  | 2944.3  | 2955.5  | 3078.8  | 3269.3  | 3493.4  | 3740.0  |
| 15°   | 2789.0  | 2801.8  | 2803.4  | 2824.2  | 2894.7  | 2899.5  | 3013.1  | 3202.1  | 3448.6  | 3735.2  |
| 17.5° | 2837.0  | 2846.6  | 2832.2  | 2845.0  | 2904.3  | 2912.3  | 3001.9  | 3170.0  | 3434.2  | 3756.0  |
| 20°   | 2965.1  | 2973.1  | 2929.9  | 2912.3  | 2955.5  | 2961.9  | 3050.0  | 3190.8  | 3448.6  | 3799.2  |
| 22.5° | 3237.3  | 3242.1  | 3136.4  | 3064.4  | 3067.6  | 3070.8  | 3147.6  | 3275.7  | 3504.6  | 3877.7  |
| 25°   | 3661.5  | 3658.3  | 3490.2  | 3351.0  | 3270.9  | 3253.3  | 3304.5  | 3413.4  | 3599.1  | 3981.8  |
| 27.5° | 4157.9  | 4133.9  | 3965.7  | 3757.6  | 3583.1  | 3557.5  | 3546.3  | 3592.7  | 3733.6  | 4119.4  |
| 30°   | 4718.2  | 4695.8  | 4514.9  | 4242.7  | 4001.0  | 3959.3  | 3853.7  | 3829.7  | 3933.7  | 4306.8  |
| 32.5° | 5333.0  | 5318.6  | 5102.5  | 4772.7  | 4449.3  | 4401.2  | 4223.5  | 4159.5  | 4241.1  | 4590.1  |
| 35°   | 5848.6  | 5835.7  | 5656.4  | 5317.0  | 4921.6  | 4862.3  | 4681.4  | 4609.4  | 4651.0  | 4953.6  |
| 37.5° | 6314.5  | 6308.0  | 6154.3  | 5887.0  | 5478.7  | 5406.7  | 5203.3  | 5179.3  | 5171.3  | 5432.3  |
| 40°   | 6746.7  | 6730.7  | 6570.6  | 6429.7  | 6127.1  | 6061.5  | 5882.2  | 5861.4  | 5800.5  | 6021.5  |
| 42.5° | 7225.4  | 7183.8  | 6951.7  | 6886.0  | 6804.4  | 6749.9  | 6642.7  | 6645.9  | 6511.4  | 6685.9  |
| 45°   | 7616.1  | 7592.1  | 7353.5  | 7315.1  | 7403.2  | 7380.7  | 7473.6  | 7497.6  | 7236.6  | 7382.3  |
| 47.5° | 8035.6  | 8013.1  | 7811.4  | 7784.2  | 8022.7  | 8029.2  | 8357.4  | 8365.4  | 7944.3  | 8106.0  |
| 50°   | 8552.7  | 8520.7  | 8320.5  | 8354.2  | 8621.5  | 8645.5  | 9245.9  | 9191.5  | 8595.9  | 8840.9  |
| 52.5° | 8893.7  | 8912.9  | 8869.7  | 8924.1  | 9289.2  | 9311.6  | 10120.1 | 9980.8  | 9241.1  | 9566.1  |
| 55°   | 9145.1  | 9183.5  | 9318.0  | 9442.9  | 9993.6  | 10016.0 | 10944.6 | 10731.7 | 9775.9  | 10238.6 |
| 57.5° | 9468.5  | 9414.0  | 9665.4  | 9908.8  | 10662.8 | 10722.1 | 11746.7 | 11455.4 | 10249.8 | 10818.1 |
| 60°   | 9932.8  | 9894.3  | 10089.7 | 10449.9 | 11412.1 | 11506.6 | 12595.3 | 12107.0 | 10597.2 | 11277.6 |
| 62.5° | 10874.2 | 10778.1 | 10808.5 | 11127.1 | 12356.7 | 12481.6 | 13552.7 | 12675.3 | 10770.1 | 11457.0 |
| 65°   | 12281.5 | 12116.6 | 11962.9 | 12183.8 | 13687.2 | 13810.5 | 14633.4 | 13122.0 | 10706.1 | 11109.5 |
| 67.5° | 14053.8 | 13890.5 | 13701.6 | 13909.7 | 15646.8 | 15744.5 | 15967.0 | 13373.4 | 10201.7 | 9771.1  |
| 70°   | 15515.6 | 15454.7 | 15680.5 | 16537.0 | 18776.8 | 18780.1 | 17676.9 | 13165.2 | 8820.1  | 6927.6  |
| 72.5° | 15321.8 | 15285.0 | 16474.6 | 19122.7 | 22721.8 | 22636.9 | 19295.6 | 11589.8 | 5941.4  | 3125.2  |
| 75°   | 12569.7 | 12808.2 | 14651.0 | 19076.2 | 24138.7 | 24127.5 | 18304.5 | 7367.9  | 2457.6  | 1295.2  |
| 77.5° | 6740.3  | 7118.2  | 9511.7  | 14084.2 | 18844.1 | 19127.5 | 12869.1 | 2577.7  | 1055.1  | 829.3   |
| 80°   | 2198.2  | 2528.0  | 3791.2  | 7171.0  | 12244.7 | 12191.8 | 5515.5  | 1011.8  | 722.1   | 587.6   |
| 82.5° | 933.4   | 971.8   | 1693.9  | 3386.2  | 6284.0  | 6186.4  | 1756.3  | 581.2   | 507.5   | 401.9   |
| 85°   | 365.0   | 408.3   | 747.7   | 1565.8  | 2721.7  | 2662.5  | 634.0   | 288.2   | 325.0   | 262.6   |
| 87.5° | 120.1   | 145.7   | 267.4   | 536.3   | 846.9   | 816.5   | 155.3   | 99.3    | 140.9   | 120.1   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3946.5  | 0°    | 3946.5  | 3946.5 | 3946.5 | 3946.5 | 3946.5 | 3946.5 | 3946.5 | 3946.5 | 3946.5 | 3946.5 |
| 3957.7  | 2.5°  | 3980.2  | 4005.8 | 4036.2 | 4081.0 | 4119.4 | 4151.5 | 4185.1 | 4205.9 | 4213.9 | 4237.9 |
| 3964.1  | 5°    | 4009.0  | 4065.0 | 4140.3 | 4213.9 | 4286.0 | 4329.2 | 4367.6 | 4386.8 | 4404.4 | 4417.2 |
| 3981.8  | 7.5°  | 4057.0  | 4129.0 | 4247.5 | 4343.6 | 4404.4 | 4439.6 | 4465.3 | 4458.9 | 4465.3 | 4468.5 |
| 4001.0  | 10°   | 4098.6  | 4199.5 | 4340.4 | 4431.6 | 4478.1 | 4479.7 | 4473.3 | 4450.9 | 4439.6 | 4441.2 |
| 4029.8  | 12.5° | 4148.3  | 4260.3 | 4412.4 | 4489.3 | 4502.1 | 4466.9 | 4439.6 | 4401.2 | 4386.8 | 4380.4 |
| 4073.0  | 15°   | 4215.5  | 4343.6 | 4490.9 | 4519.7 | 4487.7 | 4442.9 | 4396.4 | 4334.0 | 4302.0 | 4276.3 |
| 4146.7  | 17.5° | 4297.2  | 4438.0 | 4551.7 | 4530.9 | 4462.1 | 4388.4 | 4313.2 | 4218.7 | 4153.1 | 4125.8 |
| 4247.5  | 20°   | 4410.8  | 4537.3 | 4598.2 | 4506.9 | 4402.8 | 4290.8 | 4162.7 | 4047.4 | 3986.6 | 3959.3 |
| 4375.6  | 22.5° | 4548.5  | 4670.2 | 4643.0 | 4465.3 | 4318.0 | 4138.7 | 3978.6 | 3893.7 | 3863.3 | 3844.1 |
| 4540.5  | 25°   | 4713.4  | 4817.5 | 4675.0 | 4404.4 | 4178.7 | 3936.9 | 3813.6 | 3786.4 | 3772.0 | 3757.6 |
| 4742.2  | 27.5° | 4928.0  | 4984.0 | 4699.0 | 4314.8 | 3960.9 | 3722.4 | 3677.6 | 3682.4 | 3677.6 | 3653.5 |
| 5022.4  | 30°   | 5211.3  | 5200.1 | 4721.4 | 4169.1 | 3711.2 | 3528.7 | 3531.9 | 3552.7 | 3555.9 | 3539.9 |
| 5413.1  | 32.5° | 5584.4  | 5470.7 | 4732.6 | 3980.2 | 3472.6 | 3359.0 | 3362.2 | 3384.6 | 3400.6 | 3373.4 |
| 5923.8  | 35°   | 6035.9  | 5786.1 | 4715.0 | 3743.2 | 3288.5 | 3197.3 | 3173.2 | 3179.6 | 3184.4 | 3158.8 |
| 6543.4  | 37.5° | 6562.6  | 6139.9 | 4636.6 | 3480.6 | 3136.4 | 3038.7 | 2987.5 | 2944.3 | 2918.7 | 2894.7 |
| 7244.6  | 40°   | 7140.6  | 6525.8 | 4492.5 | 3224.5 | 2966.7 | 2870.6 | 2793.8 | 2712.1 | 2625.7 | 2593.7 |
| 7987.5  | 42.5° | 7745.8  | 6922.8 | 4318.0 | 2979.5 | 2771.4 | 2692.9 | 2611.3 | 2492.8 | 2363.1 | 2297.5 |
| 8759.2  | 45°   | 8373.4  | 7329.5 | 4146.7 | 2737.8 | 2571.2 | 2537.6 | 2443.2 | 2300.7 | 2159.8 | 2076.5 |
| 9532.5  | 47.5° | 8988.2  | 7713.7 | 3895.3 | 2494.4 | 2383.9 | 2420.8 | 2347.1 | 2215.8 | 2058.9 | 1927.6 |
| 10299.4 | 50°   | 9575.7  | 8074.0 | 3483.8 | 2247.8 | 2231.8 | 2385.5 | 2315.1 | 2126.2 | 1946.8 | 1778.7 |
| 11051.9 | 52.5° | 10158.5 | 8365.4 | 2957.1 | 2023.7 | 2150.2 | 2375.9 | 2273.5 | 2065.3 | 1846.0 | 1669.9 |
| 11759.5 | 55°   | 10653.2 | 8515.9 | 2449.6 | 1831.6 | 2031.7 | 2294.3 | 2223.8 | 1993.3 | 1703.5 | 1516.2 |
| 12244.7 | 57.5° | 10935.0 | 8394.2 | 2026.9 | 1642.7 | 1868.4 | 2159.8 | 2139.0 | 1839.6 | 1533.8 | 1389.7 |
| 12339.1 | 60°   | 10813.3 | 7901.1 | 1681.1 | 1477.7 | 1713.1 | 2014.1 | 1991.7 | 1687.5 | 1404.1 | 1268.0 |
| 11833.2 | 62.5° | 10142.5 | 6961.3 | 1407.3 | 1333.7 | 1572.2 | 1865.2 | 1844.4 | 1570.6 | 1304.8 | 1173.6 |
| 10489.9 | 65°   | 8791.2  | 5662.8 | 1194.4 | 1213.6 | 1429.7 | 1685.9 | 1716.3 | 1472.9 | 1226.4 | 1098.3 |
| 8115.6  | 67.5° | 6705.1  | 4101.8 | 1027.9 | 1109.5 | 1290.4 | 1509.8 | 1597.8 | 1402.5 | 1160.7 | 1039.1 |
| 4695.8  | 70°   | 3821.7  | 2329.5 | 887.0  | 1008.6 | 1167.1 | 1346.5 | 1506.6 | 1346.5 | 1090.3 | 989.4  |
| 1759.5  | 72.5° | 1448.9  | 1069.5 | 766.9  | 907.8  | 1048.7 | 1208.8 | 1405.7 | 1258.4 | 1008.6 | 933.4  |
| 909.4   | 75°   | 773.3   | 651.6  | 645.2  | 789.3  | 912.6  | 1074.3 | 1279.2 | 1172.0 | 947.8  | 986.2  |
| 629.2   | 77.5° | 526.7   | 461.1  | 539.5  | 675.6  | 763.7  | 925.4  | 1144.7 | 1040.7 | 821.3  | 818.1  |
| 435.5   | 80°   | 365.0   | 326.6  | 438.7  | 544.3  | 590.8  | 778.1  | 999.0  | 893.4  | 669.2  | 624.4  |
| 269.0   | 82.5° | 219.3   | 212.9  | 328.2  | 406.7  | 417.9  | 600.4  | 827.7  | 749.3  | 547.6  | 477.1  |
| 160.1   | 85°   | 120.1   | 126.5  | 209.7  | 238.6  | 243.4  | 419.5  | 648.4  | 579.6  | 421.1  | 353.8  |
| 57.6    | 87.5° | 33.6    | 43.2   | 76.8   | 94.5   | 116.9  | 217.7  | 385.8  | 344.2  | 211.3  | 147.3  |
| 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°   |
|--------|
| 3946.5 |
| 4236.3 |
| 4420.4 |
| 4473.3 |
| 4444.5 |
| 4377.2 |
| 4284.3 |
| 4127.4 |
| 3956.1 |
| 3847.3 |
| 3757.6 |
| 3658.3 |
| 3547.9 |
| 3386.2 |
| 3176.4 |
| 2910.7 |
| 2608.1 |
| 2305.5 |
| 2070.1 |
| 1913.2 |
| 1764.3 |
| 1650.7 |
| 1500.2 |
| 1370.5 |
| 1248.8 |
| 1152.7 |
| 1077.5 |
| 1019.9 |
| 976.6  |
| 920.6  |
| 1018.3 |
| 754.1  |
| 597.2  |
| 480.3  |
| 357.0  |
| 147.3  |
| 0.0    |

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