

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: P948861

Luminaire Tested: **GLAN-SB3D-740-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948861  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-740-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 32239 lumens  
Efficiency: N/A  
Efficacy: 147.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 218.1  
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



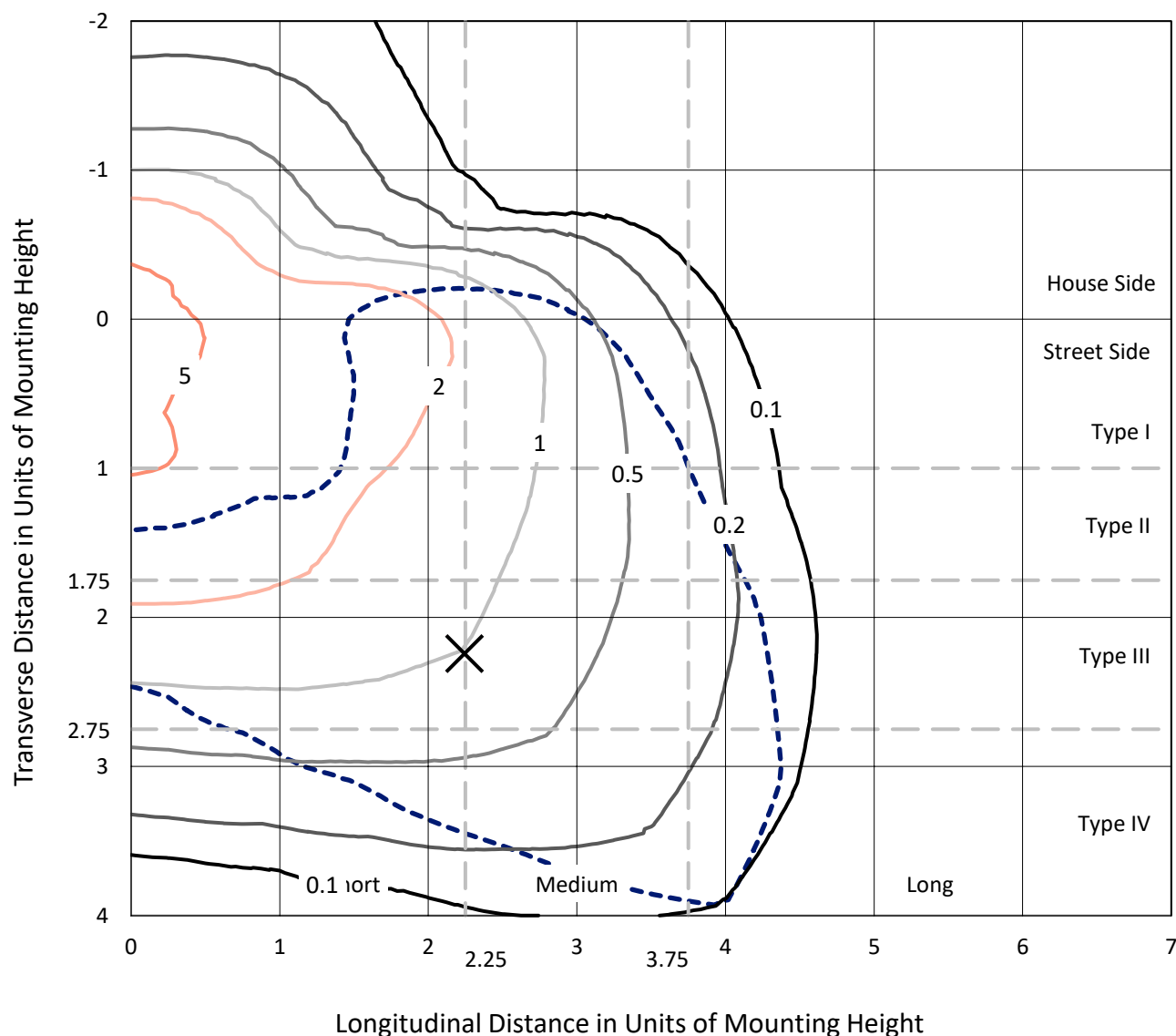
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

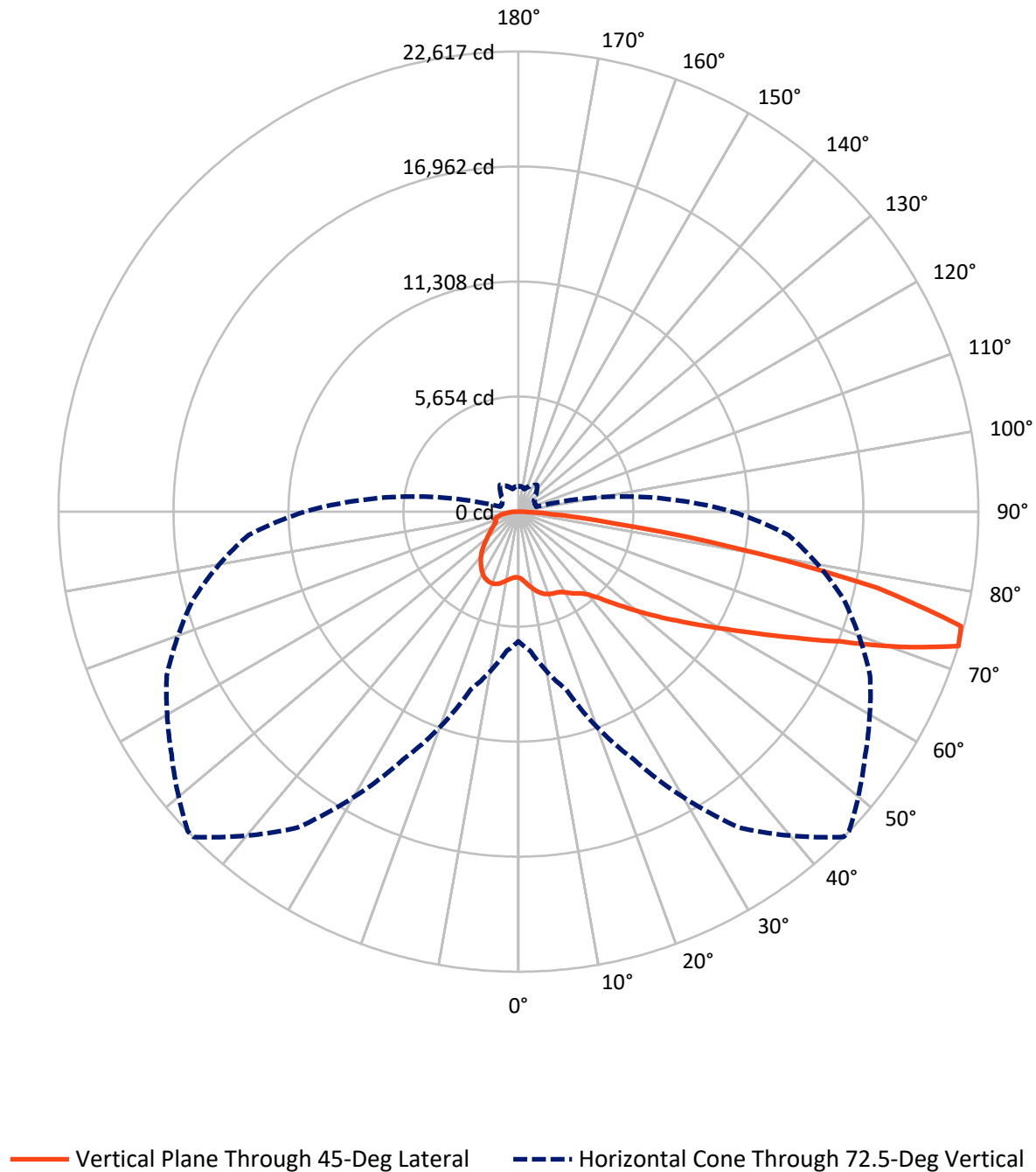


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc

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    | 7288.1   | 0.0    | 7288.1  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 24950.9  | 0.0    | 24950.9 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 32239.0  | 0.0    | 32239.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 331.0   | 1.0       |
| 10°-20°   | 1103.7  | 3.4       |
| 20°-30°   | 1919.9  | 6.0       |
| 30°-40°   | 2752.2  | 8.5       |
| 40°-50°   | 3875.3  | 12.0      |
| 50°-60°   | 5935.9  | 18.4      |
| 60°-70°   | 8599.0  | 26.7      |
| 70°-80°   | 6866.8  | 21.3      |
| 80°-90°   | 855.2   | 2.7       |
| 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°    | 32239.0 | 100.0     |
| 0°-180°   | 32239.0 | 100.0     |

**Coefficient of Utilization**



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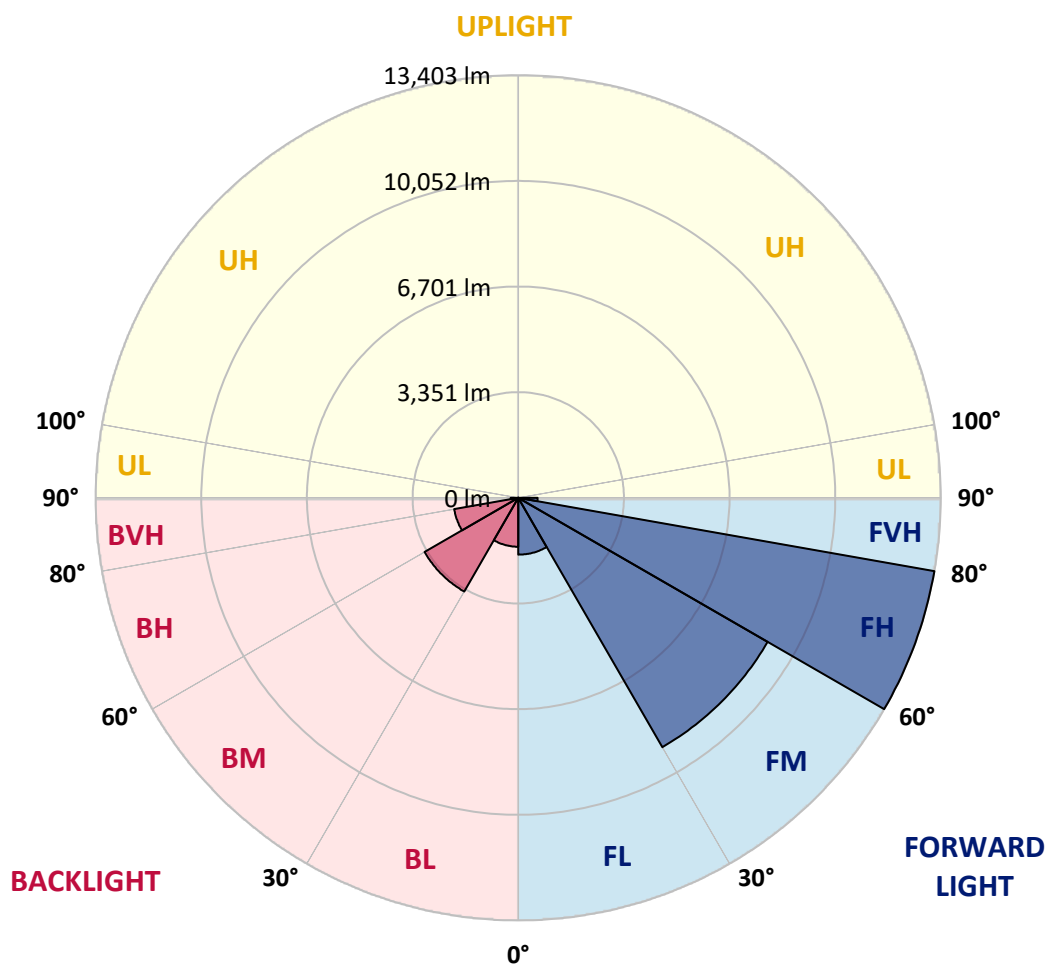
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1802.9  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 9131.8  | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 13402.7 | 41.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 613.6   | 1.9       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1551.7  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3431.7  | 10.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2063.1  | 6.4       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 241.7   | 0.7       |                         |      | G3/500  |
| 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°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3252.3  | 3252.3  | 3252.3  | 3252.3  | 3252.3  | 3252.3  | 3252.3  | 3252.3  | 3252.3  | 3252.3  |
| 2.5°  | 3379.7  | 3401.7  | 3381.4  | 3362.7  | 3354.2  | 3332.1  | 3330.4  | 3316.8  | 3308.3  | 3284.6  |
| 5°    | 3615.7  | 3644.6  | 3610.6  | 3573.3  | 3539.3  | 3485.0  | 3478.2  | 3439.1  | 3394.9  | 3344.0  |
| 7.5°  | 3882.4  | 3907.8  | 3868.8  | 3812.7  | 3753.3  | 3663.3  | 3661.6  | 3590.3  | 3520.6  | 3434.0  |
| 10°   | 4115.0  | 4149.0  | 4096.4  | 4019.9  | 3945.2  | 3843.3  | 3831.4  | 3749.9  | 3661.6  | 3549.5  |
| 12.5° | 4320.5  | 4344.3  | 4293.4  | 4200.0  | 4113.3  | 4011.4  | 3996.2  | 3906.1  | 3807.6  | 3680.3  |
| 15°   | 4483.6  | 4514.1  | 4446.2  | 4346.0  | 4254.3  | 4154.1  | 4140.5  | 4059.0  | 3960.5  | 3826.3  |
| 17.5° | 4590.6  | 4616.0  | 4546.4  | 4434.3  | 4346.0  | 4262.8  | 4252.6  | 4184.7  | 4098.1  | 3962.2  |
| 20°   | 4631.3  | 4658.5  | 4585.5  | 4471.7  | 4390.2  | 4325.6  | 4320.5  | 4271.3  | 4211.8  | 4087.9  |
| 22.5° | 4672.1  | 4697.6  | 4602.5  | 4483.6  | 4412.2  | 4371.5  | 4369.8  | 4337.5  | 4313.7  | 4211.8  |
| 25°   | 4836.8  | 4843.6  | 4716.2  | 4544.7  | 4442.8  | 4407.1  | 4405.4  | 4403.8  | 4413.9  | 4334.1  |
| 27.5° | 4979.5  | 4977.8  | 4869.1  | 4707.8  | 4549.8  | 4475.1  | 4473.4  | 4490.4  | 4522.6  | 4456.4  |
| 30°   | 5188.4  | 5169.7  | 5040.6  | 4872.5  | 4728.1  | 4612.6  | 4602.5  | 4587.2  | 4612.6  | 4560.0  |
| 32.5° | 5631.6  | 5572.2  | 5363.3  | 5064.4  | 4875.9  | 4787.6  | 4774.0  | 4678.9  | 4689.1  | 4656.8  |
| 35°   | 6266.8  | 6188.7  | 5910.2  | 5427.8  | 5059.3  | 4933.6  | 4926.8  | 4806.3  | 4785.9  | 4757.0  |
| 37.5° | 7022.6  | 6925.8  | 6601.4  | 5954.3  | 5375.2  | 5103.5  | 5093.3  | 4984.6  | 4901.4  | 4870.8  |
| 40°   | 7781.7  | 7659.4  | 7391.1  | 6596.3  | 5840.5  | 5387.1  | 5354.8  | 5190.1  | 5095.0  | 5044.0  |
| 42.5° | 8518.8  | 8416.9  | 8187.6  | 7316.4  | 6414.6  | 5801.5  | 5730.1  | 5448.2  | 5376.9  | 5329.3  |
| 45°   | 9170.9  | 9079.2  | 8911.1  | 8085.7  | 7087.1  | 6365.3  | 6295.7  | 5835.4  | 5813.4  | 5813.4  |
| 47.5° | 9700.8  | 9680.4  | 9502.1  | 8870.3  | 7880.2  | 7007.3  | 6886.7  | 6373.8  | 6433.2  | 6525.0  |
| 50°   | 10288.4 | 10232.4 | 10042.2 | 9643.1  | 8812.6  | 7742.7  | 7644.1  | 7034.5  | 7256.9  | 7508.3  |
| 52.5° | 10828.5 | 10859.1 | 10646.8 | 10448.1 | 9865.6  | 8562.9  | 8389.7  | 7814.0  | 8294.6  | 8710.7  |
| 55°   | 11383.9 | 11385.6 | 11326.1 | 11298.9 | 10969.5 | 9469.8  | 9279.6  | 8751.5  | 9515.7  | 10032.0 |
| 57.5° | 11905.2 | 11908.6 | 11997.0 | 12236.4 | 12250.0 | 10516.0 | 10300.3 | 9902.9  | 10872.7 | 11399.1 |
| 60°   | 12370.6 | 12394.4 | 12635.5 | 13196.0 | 13376.0 | 11715.0 | 11511.2 | 11263.3 | 12275.5 | 12805.4 |
| 62.5° | 12526.8 | 12613.4 | 13150.1 | 13946.6 | 14488.4 | 13185.8 | 12985.4 | 12837.6 | 13749.6 | 14242.1 |
| 65°   | 12261.9 | 12460.6 | 13498.3 | 14566.5 | 15633.1 | 14933.3 | 14734.6 | 14573.3 | 15281.5 | 15745.1 |
| 67.5° | 11611.4 | 11867.9 | 13477.9 | 15217.0 | 17022.3 | 17035.9 | 16850.8 | 16472.0 | 16923.8 | 17102.1 |
| 70°   | 9897.8  | 10281.6 | 12290.8 | 15459.8 | 18617.0 | 19911.1 | 19732.8 | 18758.0 | 18562.7 | 17699.9 |
| 72.5° | 6377.2  | 6893.5  | 9050.4  | 13460.9 | 18972.0 | 22616.6 | 22606.4 | 20821.4 | 19080.7 | 16538.3 |
| 75°   | 2326.7  | 2642.6  | 4205.0  | 8449.2  | 15925.2 | 22479.0 | 22545.2 | 20468.2 | 17418.0 | 12774.8 |
| 77.5° | 847.5   | 927.3   | 1372.2  | 3247.2  | 9794.2  | 18036.2 | 18173.7 | 16363.3 | 12397.8 | 6411.2  |
| 80°   | 445.0   | 489.1   | 703.1   | 1260.2  | 4196.6  | 10711.3 | 10927.0 | 9724.6  | 5826.9  | 1931.0  |
| 82.5° | 246.3   | 266.6   | 394.0   | 684.4   | 1890.2  | 4580.4  | 4709.4  | 3841.6  | 2049.9  | 818.6   |
| 85°   | 132.5   | 141.0   | 185.1   | 373.6   | 923.9   | 1587.9  | 1623.6  | 1148.1  | 816.9   | 480.6   |
| 87.5° | 39.1    | 47.6    | 61.1    | 118.9   | 361.7   | 356.6   | 365.1   | 227.6   | 322.7   | 242.9   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3252.3  | 0°    | 3252.3  | 3252.3  | 3252.3 | 3252.3 | 3252.3 | 3252.3 | 3252.3 | 3252.3 | 3252.3 | 3252.3 |
| 3277.8  | 2.5°  | 3267.6  | 3262.5  | 3243.8 | 3235.3 | 3225.1 | 3223.4 | 3231.9 | 3233.6 | 3235.3 | 3237.0 |
| 3315.1  | 5°    | 3298.1  | 3281.2  | 3264.2 | 3254.0 | 3257.4 | 3259.1 | 3276.1 | 3288.0 | 3296.4 | 3303.2 |
| 3384.8  | 7.5°  | 3357.6  | 3344.0  | 3315.1 | 3313.4 | 3318.5 | 3333.8 | 3355.9 | 3383.1 | 3398.3 | 3410.2 |
| 3474.8  | 10°   | 3445.9  | 3420.4  | 3386.5 | 3391.6 | 3401.7 | 3423.8 | 3469.7 | 3491.8 | 3517.2 | 3539.3 |
| 3585.2  | 12.5° | 3535.9  | 3513.8  | 3474.8 | 3478.2 | 3495.1 | 3534.2 | 3578.4 | 3605.5 | 3622.5 | 3639.5 |
| 3704.0  | 15°   | 3653.1  | 3614.0  | 3571.6 | 3571.6 | 3602.1 | 3644.6 | 3665.0 | 3687.1 | 3697.2 | 3715.9 |
| 3831.4  | 17.5° | 3773.7  | 3722.7  | 3666.7 | 3663.3 | 3700.6 | 3721.0 | 3732.9 | 3736.3 | 3739.7 | 3760.1 |
| 3955.4  | 20°   | 3894.3  | 3838.2  | 3758.4 | 3751.6 | 3760.1 | 3756.7 | 3755.0 | 3751.6 | 3756.7 | 3782.2 |
| 4082.8  | 22.5° | 4013.1  | 3948.6  | 3838.2 | 3807.6 | 3783.9 | 3751.6 | 3749.9 | 3748.2 | 3751.6 | 3777.1 |
| 4220.3  | 25°   | 4152.4  | 4074.3  | 3926.5 | 3834.8 | 3755.0 | 3710.8 | 3715.9 | 3717.6 | 3721.0 | 3741.4 |
| 4363.0  | 27.5° | 4303.5  | 4216.9  | 4008.0 | 3826.3 | 3682.0 | 3651.4 | 3642.9 | 3648.0 | 3659.9 | 3692.2 |
| 4505.6  | 30°   | 4454.7  | 4352.8  | 4082.8 | 3792.4 | 3590.3 | 3547.8 | 3520.6 | 3532.5 | 3569.9 | 3602.1 |
| 4629.6  | 32.5° | 4592.3  | 4490.4  | 4142.2 | 3717.6 | 3473.1 | 3406.8 | 3371.2 | 3386.5 | 3423.8 | 3435.7 |
| 4767.2  | 35°   | 4753.6  | 4638.1  | 4167.7 | 3598.7 | 3345.7 | 3243.8 | 3196.2 | 3174.2 | 3192.8 | 3181.0 |
| 4928.5  | 37.5° | 4933.6  | 4813.0  | 4164.3 | 3442.5 | 3196.2 | 3079.1 | 3012.8 | 2929.6 | 2890.5 | 2849.8 |
| 5166.3  | 40°   | 5200.3  | 5027.0  | 4123.5 | 3254.0 | 3011.1 | 2904.1 | 2785.2 | 2644.3 | 2556.0 | 2476.2 |
| 5550.1  | 42.5° | 5563.7  | 5324.2  | 4048.8 | 3046.8 | 2802.2 | 2702.0 | 2540.7 | 2376.0 | 2236.7 | 2104.2 |
| 6132.6  | 45°   | 6105.5  | 5713.2  | 3955.4 | 2826.0 | 2576.4 | 2477.9 | 2302.9 | 2117.8 | 1959.9 | 1790.0 |
| 6959.7  | 47.5° | 6886.7  | 6236.2  | 3867.1 | 2574.7 | 2338.6 | 2248.6 | 2090.6 | 1919.1 | 1732.3 | 1567.6 |
| 8155.3  | 50°   | 7960.0  | 6986.9  | 3785.6 | 2330.1 | 2104.2 | 2036.3 | 1910.6 | 1735.7 | 1547.2 | 1414.7 |
| 9556.5  | 52.5° | 9325.5  | 8007.6  | 3751.6 | 2094.0 | 1885.1 | 1859.7 | 1759.5 | 1596.4 | 1418.1 | 1306.0 |
| 11190.2 | 55°   | 10893.0 | 9228.7  | 3751.6 | 1868.2 | 1693.2 | 1701.7 | 1632.1 | 1480.9 | 1326.4 | 1226.2 |
| 12875.0 | 57.5° | 12492.9 | 10465.1 | 3683.7 | 1659.3 | 1530.2 | 1565.9 | 1521.7 | 1389.2 | 1250.0 | 1146.4 |
| 14646.3 | 60°   | 13967.0 | 11501.0 | 3408.5 | 1469.0 | 1385.8 | 1441.9 | 1413.0 | 1299.2 | 1129.4 | 1042.8 |
| 16127.3 | 62.5° | 15099.8 | 12085.3 | 2878.7 | 1317.9 | 1266.9 | 1331.5 | 1316.2 | 1180.3 | 1107.3 | 1071.6 |
| 17343.3 | 65°   | 15667.0 | 11990.2 | 2201.0 | 1183.7 | 1166.7 | 1266.9 | 1234.7 | 1229.6 | 1171.8 | 1131.1 |
| 17739.0 | 67.5° | 15318.9 | 11171.6 | 1596.4 | 1085.2 | 1109.0 | 1207.5 | 1331.5 | 1351.9 | 1244.9 | 1165.0 |
| 16624.9 | 70°   | 13792.1 | 9690.6  | 1188.8 | 991.8  | 1036.0 | 1209.2 | 1518.3 | 1414.7 | 1221.1 | 1127.7 |
| 13333.5 | 72.5° | 10492.2 | 7226.4  | 922.2  | 893.3  | 940.9  | 1217.7 | 1601.5 | 1385.8 | 1153.2 | 1246.6 |
| 8306.5  | 75°   | 6000.2  | 3967.3  | 740.5  | 772.7  | 822.0  | 1137.9 | 1559.1 | 1311.1 | 1100.5 | 1144.7 |
| 3291.3  | 77.5° | 2287.6  | 1525.1  | 611.4  | 653.9  | 660.6  | 993.5  | 1491.1 | 1306.0 | 1047.9 | 1022.4 |
| 986.7   | 80°   | 793.1   | 596.1   | 506.1  | 519.7  | 511.2  | 883.1  | 1430.0 | 1136.2 | 857.7  | 767.6  |
| 407.6   | 82.5° | 324.4   | 297.2   | 400.8  | 383.8  | 363.4  | 686.1  | 1154.9 | 929.0  | 701.4  | 619.9  |
| 197.0   | 85°   | 141.0   | 188.5   | 264.9  | 232.7  | 210.6  | 475.5  | 925.6  | 786.3  | 592.7  | 511.2  |
| 64.5    | 87.5° | 28.9    | 71.3    | 112.1  | 105.3  | 108.7  | 317.6  | 657.3  | 558.7  | 419.5  | 314.2  |
| 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°   |
|--------|
| 3252.3 |
| 3243.8 |
| 3306.6 |
| 3413.6 |
| 3534.2 |
| 3646.3 |
| 3722.7 |
| 3766.9 |
| 3792.4 |
| 3794.1 |
| 3768.6 |
| 3724.4 |
| 3637.8 |
| 3478.2 |
| 3218.3 |
| 2875.3 |
| 2481.2 |
| 2092.3 |
| 1769.7 |
| 1548.9 |
| 1406.2 |
| 1297.5 |
| 1216.0 |
| 1129.4 |
| 1029.2 |
| 1059.8 |
| 1117.5 |
| 1151.5 |
| 1112.4 |
| 1236.4 |
| 1144.7 |
| 932.4  |
| 742.2  |
| 613.1  |
| 509.5  |
| 246.3  |
| 0.0    |