

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: P942619

Luminaire Tested: **GLAN-SB6C-950-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942619  
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-SB6C-950-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31225 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9  
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



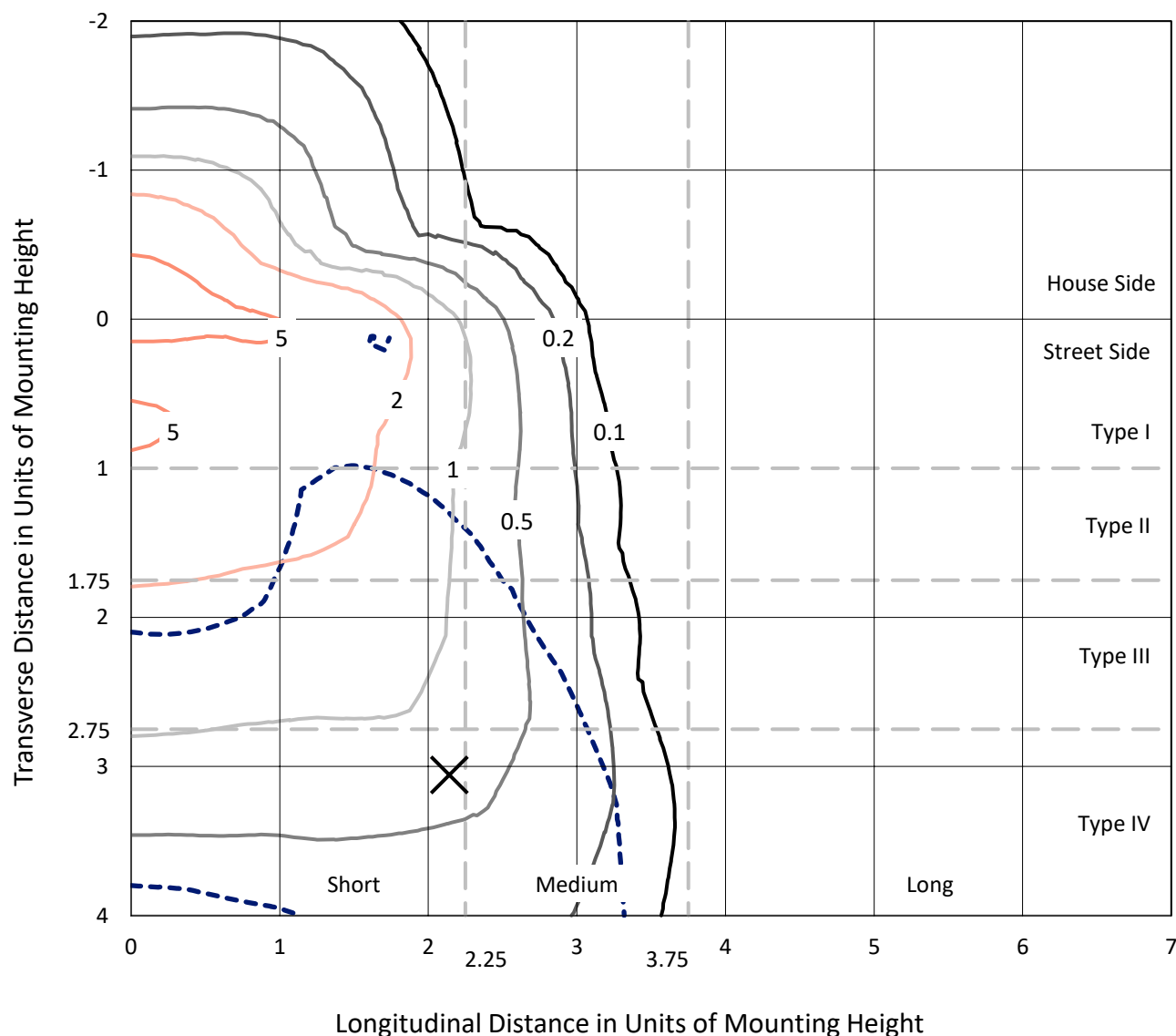
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CATALOG NUMBER: GLAN-SB6C-950-U-T4FT

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

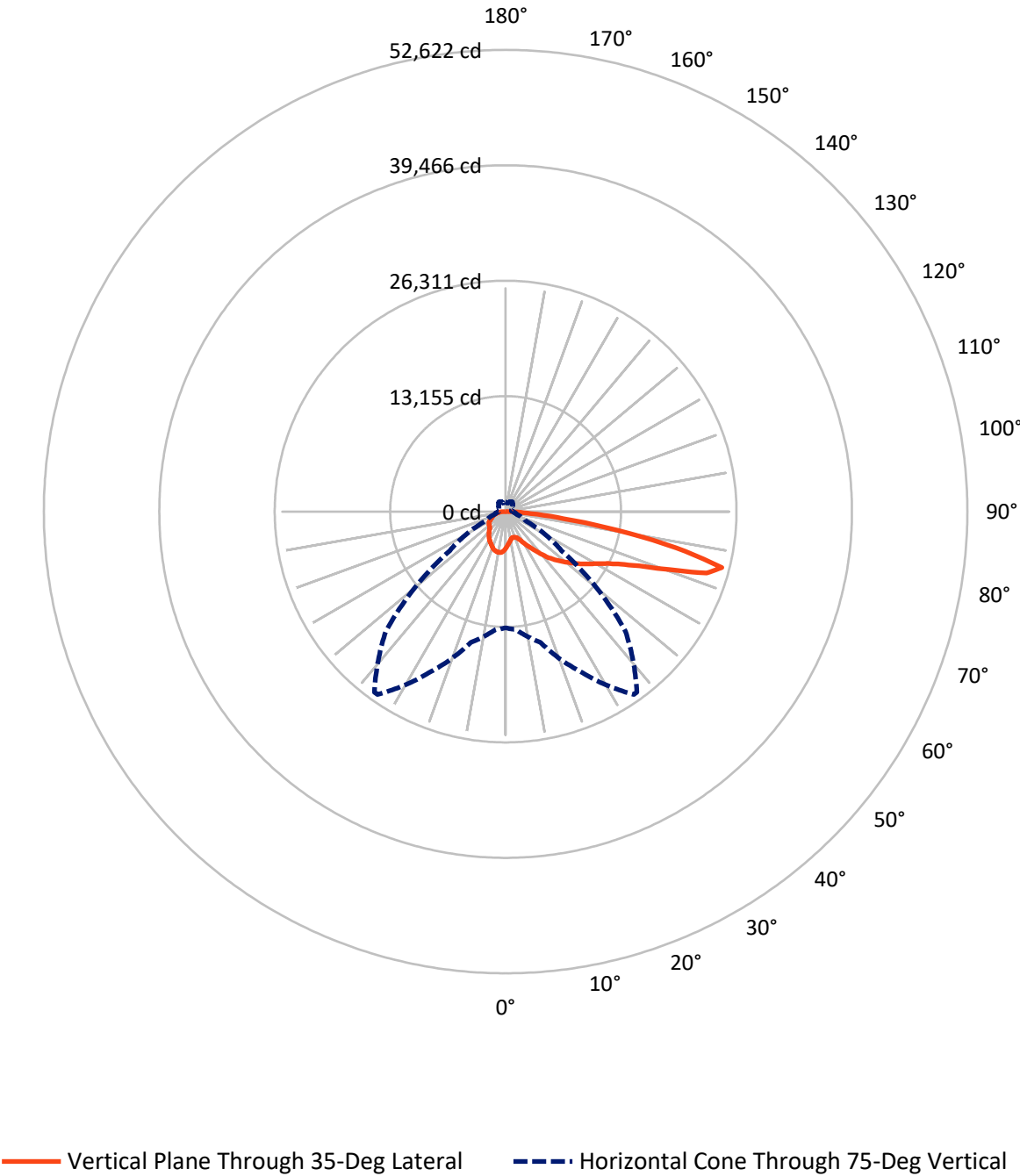


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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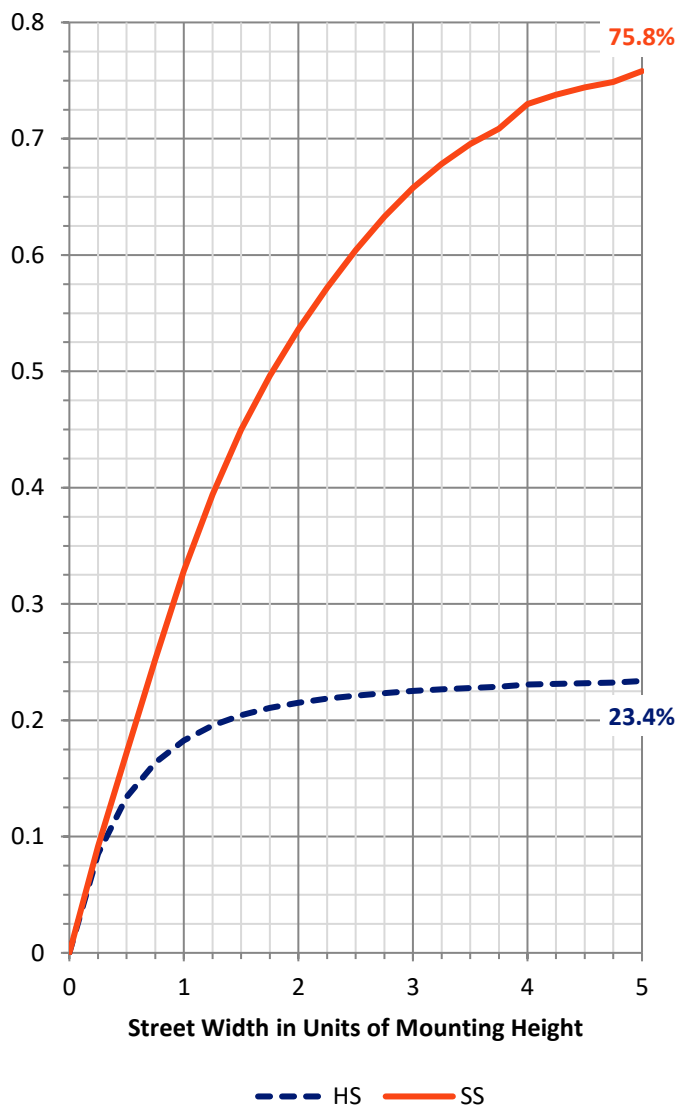
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7430.8   | 0.0    | 7430.8  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 23794.2  | 0.0    | 23794.2 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 31225.0  | 0.0    | 31225.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 394.0   | 1.3       |
| 10°-20°   | 1136.3  | 3.6       |
| 20°-30°   | 1908.2  | 6.1       |
| 30°-40°   | 2965.6  | 9.5       |
| 40°-50°   | 4401.8  | 14.1      |
| 50°-60°   | 6076.9  | 19.5      |
| 60°-70°   | 7372.7  | 23.6      |
| 70°-80°   | 6093.0  | 19.5      |
| 80°-90°   | 876.4   | 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°    | 31225.0 | 100.0     |
| 0°-180°   | 31225.0 | 100.0     |

**Coefficient of Utilization**



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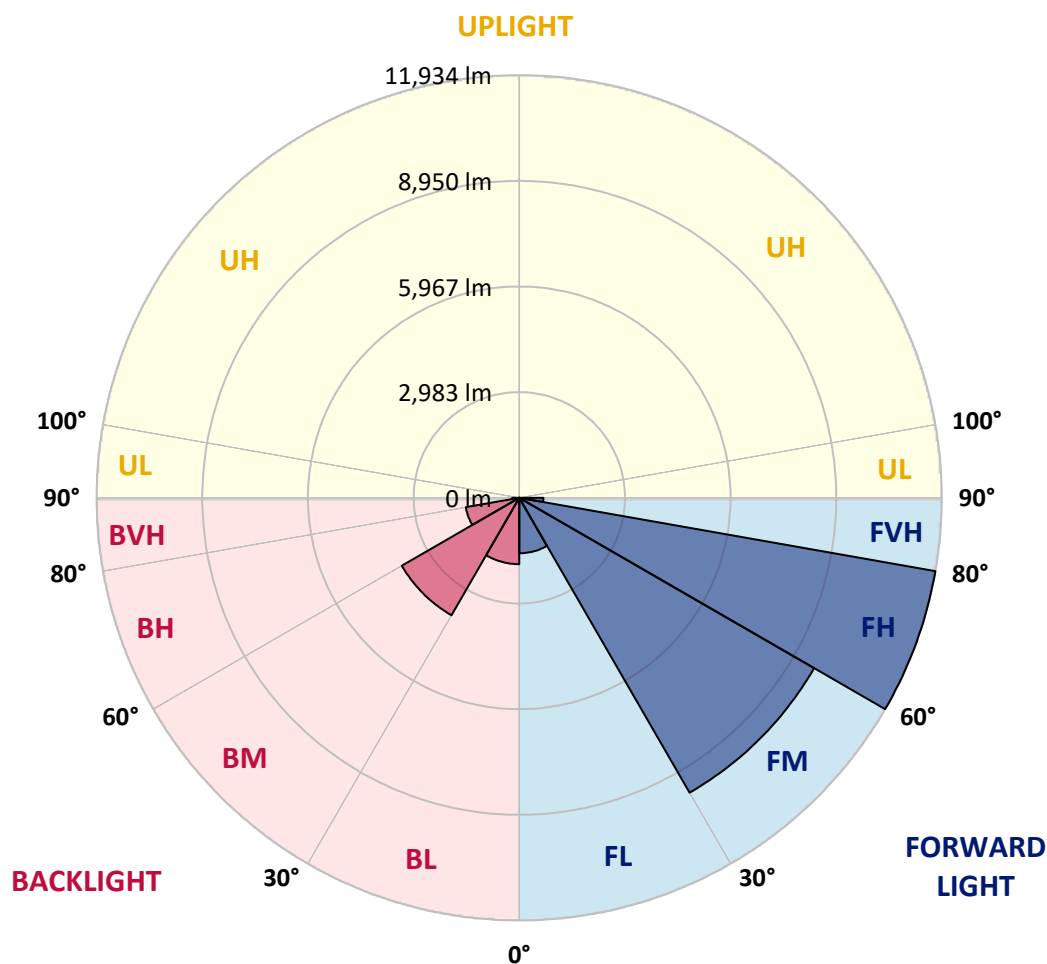
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1565.9  | 5.0       |                         |      |          |
| FM   | (30°-60°)   | 9615.6  | 30.8      |                         |      |          |
| FH   | (60°-80°)   | 11933.7 | 38.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 679.0   | 2.2       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1872.7  | 6.0       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3828.8  | 12.3      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1532.0  | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 197.3   | 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°    | 4160.9  | 4160.9  | 4160.9  | 4160.9  | 4160.9  | 4160.9  | 4160.9  | 4160.9  | 4160.9  | 4160.9  |
| 2.5°  | 3836.8  | 3860.5  | 3870.6  | 3865.5  | 3890.9  | 3887.5  | 3922.9  | 3966.8  | 4027.6  | 4086.7  |
| 5°    | 3541.4  | 3566.8  | 3588.7  | 3609.0  | 3657.9  | 3673.1  | 3728.8  | 3813.2  | 3924.6  | 4037.7  |
| 7.5°  | 3266.3  | 3288.2  | 3322.0  | 3359.1  | 3441.9  | 3457.0  | 3549.9  | 3681.5  | 3836.8  | 4002.3  |
| 10°   | 3041.8  | 3063.7  | 3099.2  | 3141.4  | 3244.4  | 3262.9  | 3381.1  | 3556.6  | 3759.2  | 3968.5  |
| 12.5° | 2945.6  | 2952.3  | 2972.6  | 3014.8  | 3104.2  | 3116.1  | 3246.0  | 3446.9  | 3683.2  | 3943.2  |
| 15°   | 2940.5  | 2954.0  | 2955.7  | 2977.6  | 3051.9  | 3057.0  | 3176.8  | 3376.0  | 3636.0  | 3938.1  |
| 17.5° | 2991.2  | 3001.3  | 2986.1  | 2999.6  | 3062.0  | 3070.5  | 3165.0  | 3342.3  | 3620.8  | 3960.1  |
| 20°   | 3126.2  | 3134.6  | 3089.1  | 3070.5  | 3116.1  | 3122.8  | 3215.7  | 3364.2  | 3636.0  | 4005.6  |
| 22.5° | 3413.2  | 3418.2  | 3306.8  | 3230.8  | 3234.2  | 3237.6  | 3318.6  | 3453.7  | 3695.1  | 4088.4  |
| 25°   | 3860.5  | 3857.1  | 3679.9  | 3533.0  | 3448.6  | 3430.0  | 3484.1  | 3598.8  | 3794.6  | 4198.1  |
| 27.5° | 4383.8  | 4358.4  | 4181.2  | 3961.8  | 3777.8  | 3750.8  | 3738.9  | 3787.9  | 3936.4  | 4343.2  |
| 30°   | 4974.6  | 4950.9  | 4760.2  | 4473.2  | 4218.3  | 4174.4  | 4063.0  | 4037.7  | 4147.4  | 4540.7  |
| 32.5° | 5622.8  | 5607.6  | 5379.7  | 5032.0  | 4691.0  | 4640.3  | 4453.0  | 4385.4  | 4471.5  | 4839.5  |
| 35°   | 6166.3  | 6152.8  | 5963.7  | 5605.9  | 5188.9  | 5126.5  | 4935.7  | 4859.8  | 4903.7  | 5222.7  |
| 37.5° | 6657.5  | 6650.8  | 6488.7  | 6206.8  | 5776.4  | 5700.4  | 5486.0  | 5460.7  | 5452.3  | 5727.4  |
| 40°   | 7113.3  | 7096.4  | 6927.6  | 6779.0  | 6460.0  | 6390.8  | 6201.7  | 6179.8  | 6115.7  | 6348.6  |
| 42.5° | 7618.0  | 7574.1  | 7329.3  | 7260.1  | 7174.0  | 7116.6  | 7003.5  | 7006.9  | 6865.1  | 7049.1  |
| 45°   | 8029.9  | 8004.5  | 7753.0  | 7712.5  | 7805.4  | 7781.7  | 7879.6  | 7904.9  | 7629.8  | 7783.4  |
| 47.5° | 8472.1  | 8448.5  | 8235.8  | 8207.1  | 8458.6  | 8465.4  | 8811.4  | 8819.8  | 8375.9  | 8546.4  |
| 50°   | 9017.3  | 8983.6  | 8772.6  | 8808.0  | 9089.9  | 9115.2  | 9748.3  | 9690.9  | 9062.9  | 9321.2  |
| 52.5° | 9376.9  | 9397.1  | 9351.6  | 9409.0  | 9793.8  | 9817.5  | 10669.9 | 10523.0 | 9743.2  | 10085.9 |
| 55°   | 9641.9  | 9682.4  | 9824.2  | 9955.9  | 10536.6 | 10560.2 | 11539.2 | 11314.7 | 10307.0 | 10794.8 |
| 57.5° | 9982.9  | 9925.5  | 10190.5 | 10447.1 | 11242.1 | 11304.6 | 12384.9 | 12077.7 | 10806.6 | 11405.9 |
| 60°   | 10472.4 | 10431.9 | 10637.8 | 11017.6 | 12032.1 | 12131.7 | 13279.6 | 12764.7 | 11172.9 | 11890.3 |
| 62.5° | 11465.0 | 11363.7 | 11395.7 | 11731.7 | 13028.1 | 13159.7 | 14289.0 | 13364.0 | 11355.2 | 12079.4 |
| 65°   | 12948.7 | 12774.9 | 12612.8 | 12845.7 | 14430.8 | 14560.8 | 15428.4 | 13834.9 | 11287.7 | 11713.1 |
| 67.5° | 14817.3 | 14645.2 | 14446.0 | 14665.4 | 16496.9 | 16599.9 | 16834.5 | 14099.9 | 10756.0 | 10301.9 |
| 70°   | 16358.5 | 16294.4 | 16532.4 | 17435.4 | 19797.0 | 19800.3 | 18637.3 | 13880.5 | 9299.2  | 7304.0  |
| 72.5° | 16154.2 | 16115.4 | 17369.6 | 20161.6 | 23956.2 | 23866.8 | 20343.9 | 12219.5 | 6264.2  | 3295.0  |
| 75°   | 13252.6 | 13504.1 | 15447.0 | 20112.6 | 25450.1 | 25438.3 | 19299.0 | 7768.2  | 2591.1  | 1365.6  |
| 77.5° | 7106.5  | 7504.9  | 10028.5 | 14849.4 | 19867.9 | 20166.6 | 13568.2 | 2717.7  | 1112.4  | 874.4   |
| 80°   | 2317.6  | 2665.4  | 3997.2  | 7560.6  | 12909.9 | 12854.2 | 5815.2  | 1066.8  | 761.3   | 619.5   |
| 82.5° | 984.1   | 1024.6  | 1785.9  | 3570.1  | 6625.4  | 6522.5  | 1851.7  | 612.7   | 535.1   | 423.7   |
| 85°   | 384.9   | 430.4   | 788.3   | 1650.9  | 2869.6  | 2807.2  | 668.5   | 303.8   | 342.7   | 276.8   |
| 87.5° | 126.6   | 153.6   | 281.9   | 565.5   | 893.0   | 860.9   | 163.7   | 104.7   | 148.5   | 126.6   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4160.9  | 0°    | 4160.9  | 4160.9 | 4160.9 | 4160.9 | 4160.9 | 4160.9 | 4160.9 | 4160.9 | 4160.9 | 4160.9 |
| 4172.8  | 2.5°  | 4196.4  | 4223.4 | 4255.5 | 4302.7 | 4343.2 | 4377.0 | 4412.5 | 4434.4 | 4442.8 | 4468.2 |
| 4179.5  | 5°    | 4226.8  | 4285.9 | 4365.2 | 4442.8 | 4518.8 | 4564.4 | 4604.9 | 4625.1 | 4643.7 | 4657.2 |
| 4198.1  | 7.5°  | 4277.4  | 4353.4 | 4478.3 | 4579.6 | 4643.7 | 4680.8 | 4707.9 | 4701.1 | 4707.9 | 4711.2 |
| 4218.3  | 10°   | 4321.3  | 4427.6 | 4576.2 | 4672.4 | 4721.4 | 4723.0 | 4716.3 | 4692.7 | 4680.8 | 4682.5 |
| 4248.7  | 12.5° | 4373.6  | 4491.8 | 4652.2 | 4733.2 | 4746.7 | 4709.5 | 4680.8 | 4640.3 | 4625.1 | 4618.4 |
| 4294.3  | 15°   | 4444.5  | 4579.6 | 4734.9 | 4765.2 | 4731.5 | 4684.2 | 4635.3 | 4569.4 | 4535.7 | 4508.7 |
| 4371.9  | 17.5° | 4530.6  | 4679.2 | 4799.0 | 4777.1 | 4704.5 | 4626.8 | 4547.5 | 4447.9 | 4378.7 | 4350.0 |
| 4478.3  | 20°   | 4650.5  | 4783.8 | 4848.0 | 4751.7 | 4642.0 | 4523.9 | 4388.8 | 4267.3 | 4203.1 | 4174.4 |
| 4613.3  | 22.5° | 4795.6  | 4923.9 | 4895.2 | 4707.9 | 4552.6 | 4363.5 | 4194.7 | 4105.2 | 4073.2 | 4052.9 |
| 4787.2  | 25°   | 4969.5  | 5079.2 | 4929.0 | 4643.7 | 4405.7 | 4150.8 | 4020.8 | 3992.1 | 3976.9 | 3961.8 |
| 4999.9  | 27.5° | 5195.7  | 5254.8 | 4954.3 | 4549.2 | 4176.1 | 3924.6 | 3877.4 | 3882.4 | 3877.4 | 3852.0 |
| 5295.3  | 30°   | 5494.5  | 5482.7 | 4977.9 | 4395.6 | 3912.8 | 3720.4 | 3723.7 | 3745.7 | 3749.1 | 3732.2 |
| 5707.2  | 32.5° | 5887.8  | 5767.9 | 4989.8 | 4196.4 | 3661.3 | 3541.4 | 3544.8 | 3568.5 | 3585.3 | 3556.6 |
| 6245.6  | 35°   | 6363.8  | 6100.5 | 4971.2 | 3946.6 | 3467.2 | 3371.0 | 3345.6 | 3352.4 | 3357.5 | 3330.4 |
| 6898.9  | 37.5° | 6919.1  | 6473.5 | 4888.5 | 3669.7 | 3306.8 | 3203.8 | 3149.8 | 3104.2 | 3077.2 | 3051.9 |
| 7638.2  | 40°   | 7528.5  | 6880.3 | 4736.6 | 3399.7 | 3127.9 | 3026.6 | 2945.6 | 2859.5 | 2768.3 | 2734.6 |
| 8421.5  | 42.5° | 8166.6  | 7299.0 | 4552.6 | 3141.4 | 2921.9 | 2839.2 | 2753.1 | 2628.2 | 2491.5 | 2422.3 |
| 9235.1  | 45°   | 8828.3  | 7727.7 | 4371.9 | 2886.5 | 2710.9 | 2675.5 | 2575.9 | 2425.7 | 2277.1 | 2189.3 |
| 10050.4 | 47.5° | 9476.5  | 8132.8 | 4106.9 | 2629.9 | 2513.4 | 2552.3 | 2474.6 | 2336.2 | 2170.8 | 2032.4 |
| 10859.0 | 50°   | 10096.0 | 8512.6 | 3673.1 | 2370.0 | 2353.1 | 2515.1 | 2440.9 | 2241.7 | 2052.6 | 1875.4 |
| 11652.3 | 52.5° | 10710.4 | 8819.8 | 3117.8 | 2133.6 | 2267.0 | 2505.0 | 2397.0 | 2177.5 | 1946.3 | 1760.6 |
| 12398.4 | 55°   | 11232.0 | 8978.5 | 2582.7 | 1931.1 | 2142.1 | 2418.9 | 2344.6 | 2101.6 | 1796.0 | 1598.5 |
| 12909.9 | 57.5° | 11529.1 | 8850.2 | 2137.0 | 1731.9 | 1969.9 | 2277.1 | 2255.2 | 1939.5 | 1617.1 | 1465.2 |
| 13009.5 | 60°   | 11400.8 | 8330.3 | 1772.4 | 1558.0 | 1806.2 | 2123.5 | 2099.9 | 1779.2 | 1480.4 | 1336.9 |
| 12476.1 | 62.5° | 10693.5 | 7339.5 | 1483.8 | 1406.1 | 1657.6 | 1966.5 | 1944.6 | 1655.9 | 1375.7 | 1237.3 |
| 11059.8 | 65°   | 9268.9  | 5970.5 | 1259.3 | 1279.5 | 1507.4 | 1777.5 | 1809.5 | 1553.0 | 1293.0 | 1158.0 |
| 8556.5  | 67.5° | 7069.4  | 4324.7 | 1083.7 | 1169.8 | 1360.5 | 1591.8 | 1684.6 | 1478.7 | 1223.8 | 1095.5 |
| 4950.9  | 70°   | 4029.3  | 2456.1 | 935.2  | 1063.4 | 1230.6 | 1419.6 | 1588.4 | 1419.6 | 1149.5 | 1043.2 |
| 1855.1  | 72.5° | 1527.6  | 1127.6 | 808.6  | 957.1  | 1105.6 | 1274.4 | 1482.1 | 1326.8 | 1063.4 | 984.1  |
| 958.8   | 75°   | 815.3   | 687.0  | 680.3  | 832.2  | 962.2  | 1132.7 | 1348.7 | 1235.6 | 999.3  | 1039.8 |
| 663.4   | 77.5° | 555.4   | 486.1  | 568.9  | 712.3  | 805.2  | 975.7  | 1206.9 | 1097.2 | 865.9  | 862.6  |
| 459.1   | 80°   | 384.9   | 344.4  | 462.5  | 573.9  | 622.9  | 820.4  | 1053.3 | 941.9  | 705.6  | 658.3  |
| 283.6   | 82.5° | 231.3   | 224.5  | 346.0  | 428.8  | 440.6  | 633.0  | 872.7  | 790.0  | 577.3  | 503.0  |
| 168.8   | 85°   | 126.6   | 133.4  | 221.1  | 251.5  | 256.6  | 442.3  | 683.6  | 611.1  | 443.9  | 373.1  |
| 60.8    | 87.5° | 35.4    | 45.6   | 81.0   | 99.6   | 123.2  | 229.6  | 406.8  | 362.9  | 222.8  | 155.3  |
| 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°   |
|--------|
| 4160.9 |
| 4466.5 |
| 4660.6 |
| 4716.3 |
| 4685.9 |
| 4615.0 |
| 4517.1 |
| 4351.7 |
| 4171.1 |
| 4056.3 |
| 3961.8 |
| 3857.1 |
| 3740.6 |
| 3570.1 |
| 3349.0 |
| 3068.8 |
| 2749.8 |
| 2430.7 |
| 2182.6 |
| 2017.2 |
| 1860.2 |
| 1740.3 |
| 1581.7 |
| 1444.9 |
| 1316.6 |
| 1215.4 |
| 1136.0 |
| 1075.3 |
| 1029.7 |
| 970.6  |
| 1073.6 |
| 795.1  |
| 629.6  |
| 506.4  |
| 376.4  |
| 155.3  |
| 0.0    |