

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: P941119

Luminaire Tested: **GLAN-SB4C-730-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941119  
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-SB4C-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 29666 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 - 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

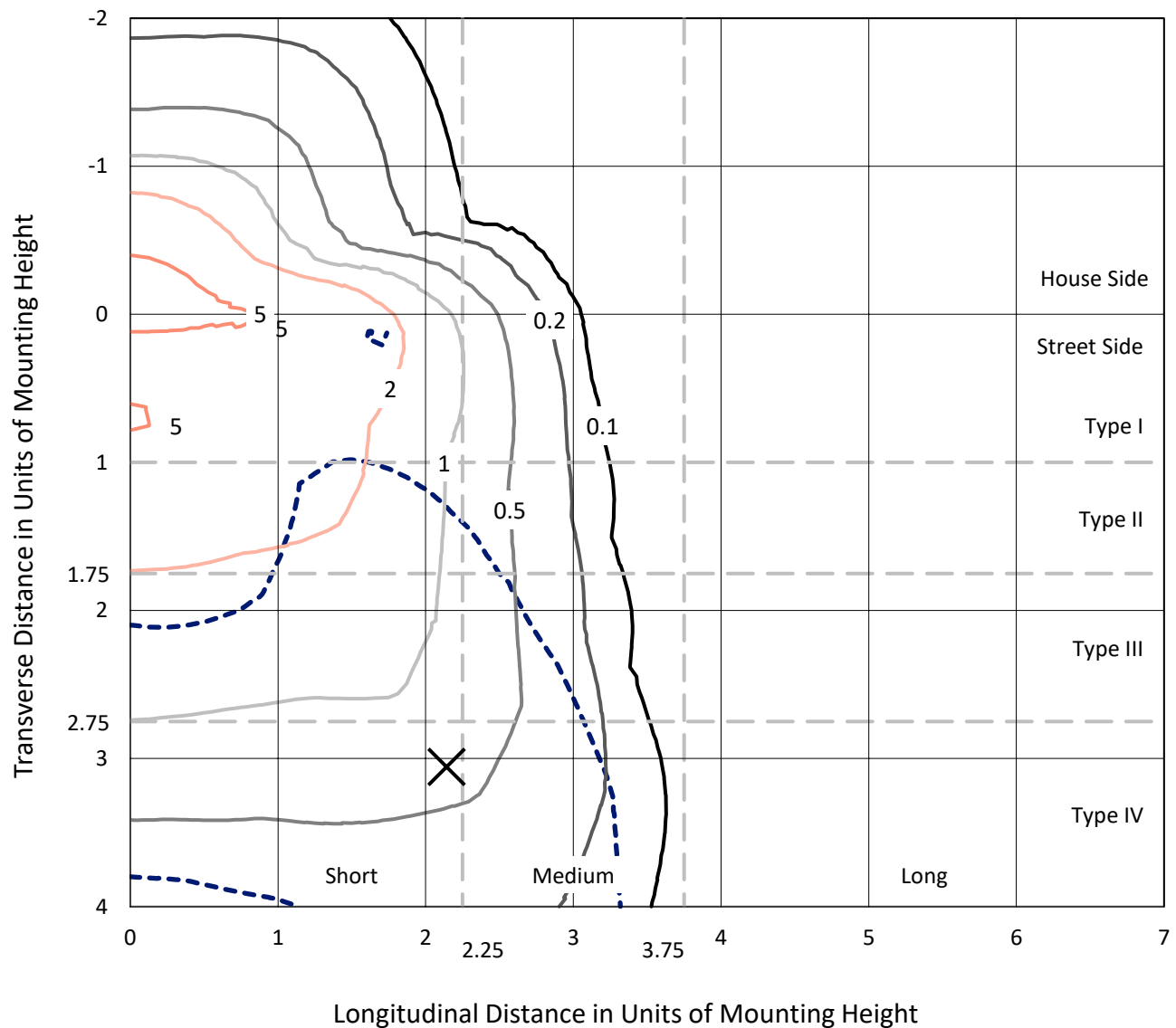


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



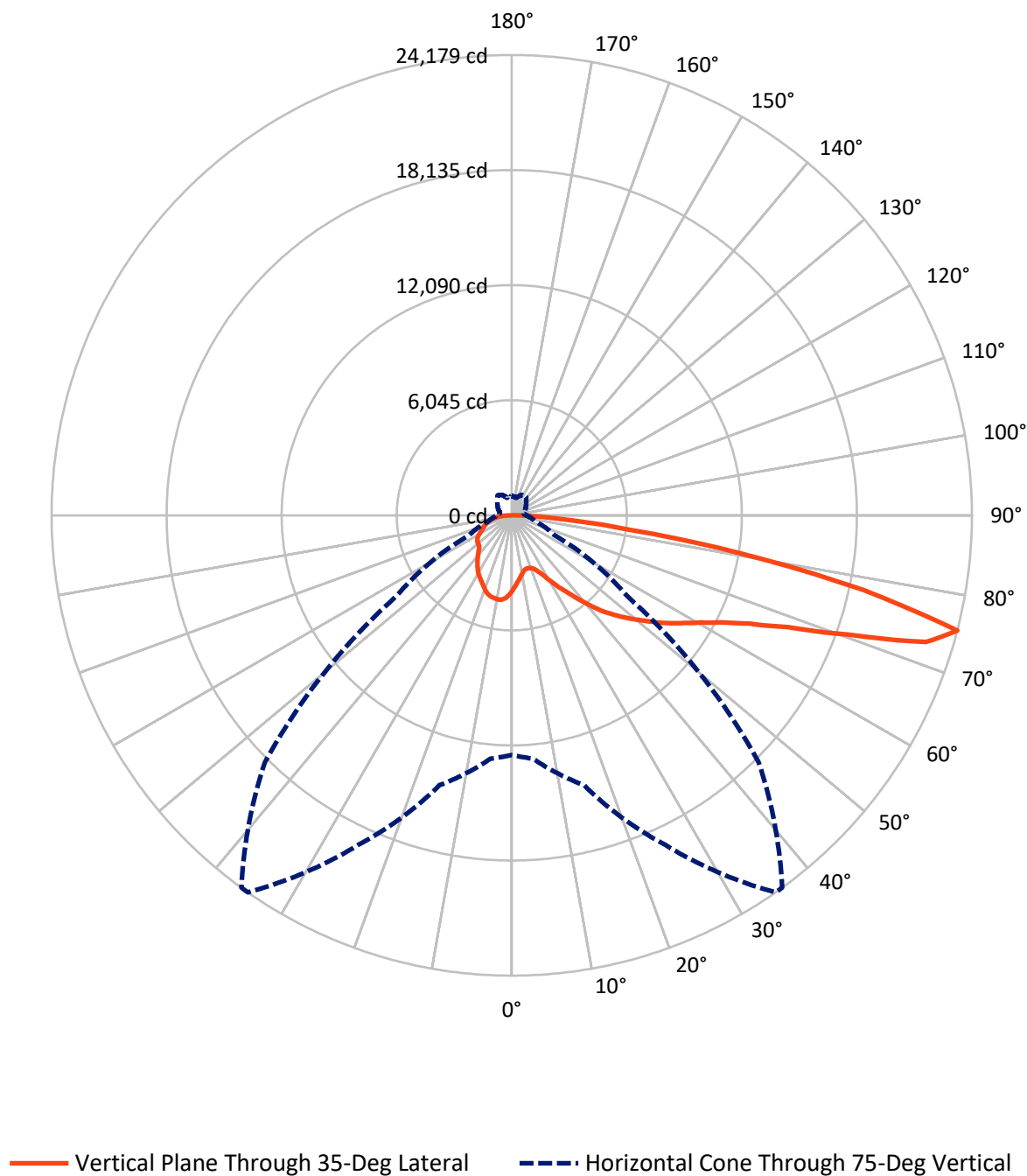
Based on 25 foot mounting height. Maximum calculated value = 7 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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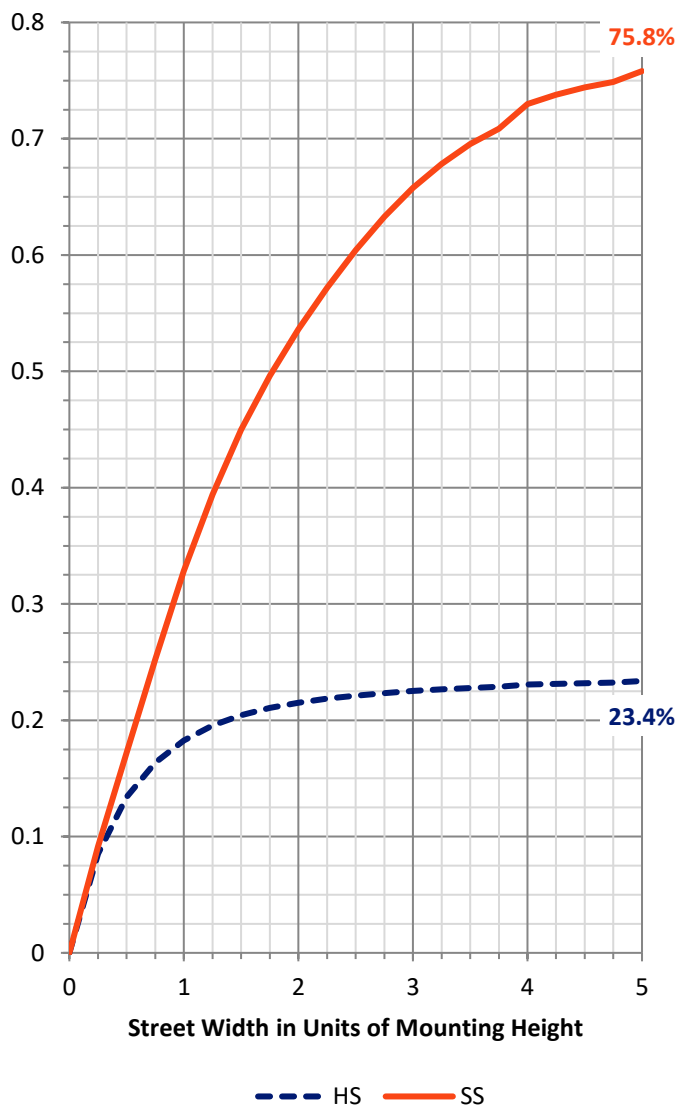
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7059.8   | 0.0    | 7059.8  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 22606.2  | 0.0    | 22606.2 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 29666.0  | 0.0    | 29666.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 374.3   | 1.3       |
| 10°-20°   | 1079.6  | 3.6       |
| 20°-30°   | 1812.9  | 6.1       |
| 30°-40°   | 2817.6  | 9.5       |
| 40°-50°   | 4182.0  | 14.1      |
| 50°-60°   | 5773.5  | 19.5      |
| 60°-70°   | 7004.6  | 23.6      |
| 70°-80°   | 5788.8  | 19.5      |
| 80°-90°   | 832.6   | 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°    | 29666.0 | 100.0     |
| 0°-180°   | 29666.0 | 100.0     |

**Coefficient of Utilization**



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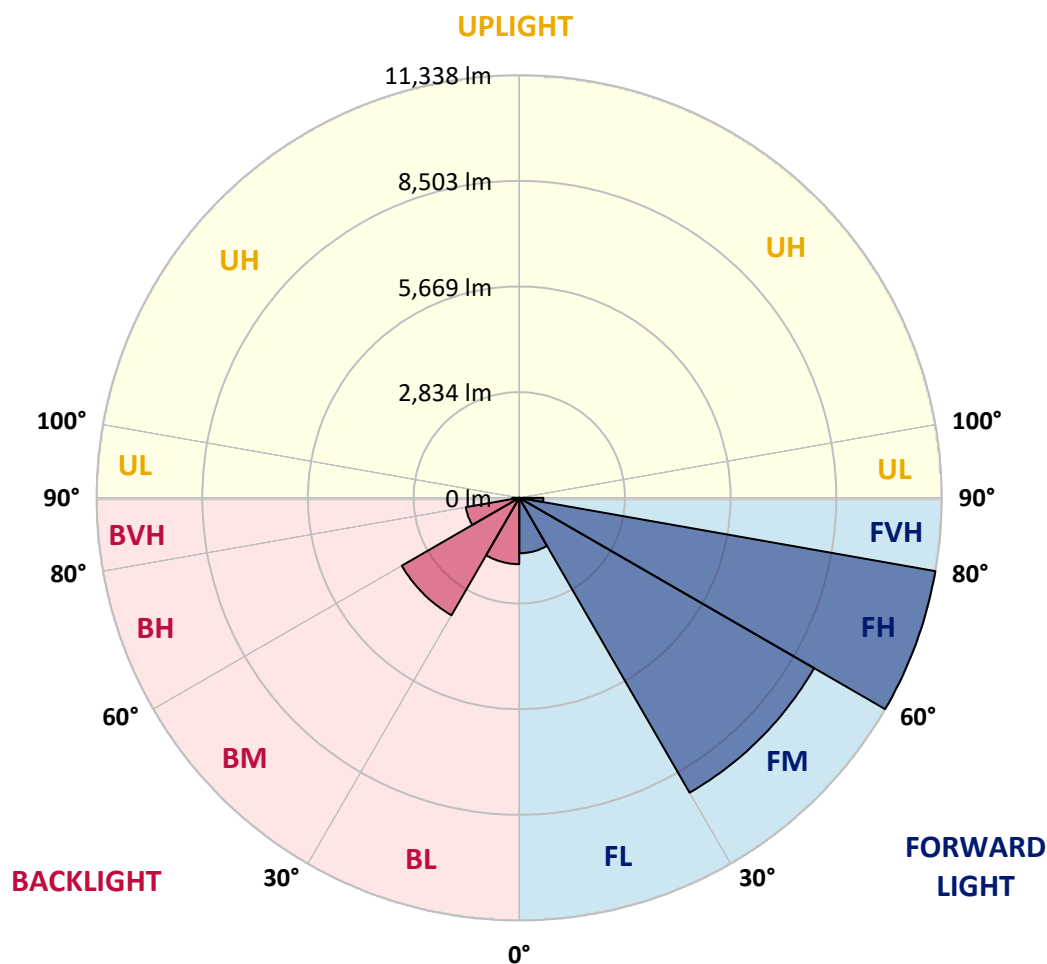
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1487.7  | 5.0       |                         |      |          |
| FM   | (30°-60°)   | 9135.5  | 30.8      |                         |      |          |
| FH   | (60°-80°)   | 11337.9 | 38.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 645.1   | 2.2       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1779.2  | 6.0       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3637.6  | 12.3      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1455.5  | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 187.5   | 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°    | 3953.2  | 3953.2  | 3953.2  | 3953.2  | 3953.2  | 3953.2  | 3953.2  | 3953.2  | 3953.2  | 3953.2  |
| 2.5°  | 3645.3  | 3667.7  | 3677.4  | 3672.5  | 3696.6  | 3693.4  | 3727.1  | 3768.8  | 3826.5  | 3882.6  |
| 5°    | 3364.6  | 3388.7  | 3409.5  | 3428.8  | 3475.3  | 3489.7  | 3542.6  | 3622.8  | 3728.7  | 3836.1  |
| 7.5°  | 3103.2  | 3124.1  | 3156.1  | 3191.4  | 3270.0  | 3284.4  | 3372.6  | 3497.7  | 3645.3  | 3802.4  |
| 10°   | 2889.9  | 2910.8  | 2944.4  | 2984.5  | 3082.4  | 3100.0  | 3212.3  | 3379.1  | 3571.5  | 3770.4  |
| 12.5° | 2798.5  | 2804.9  | 2824.2  | 2864.3  | 2949.3  | 2960.5  | 3084.0  | 3274.8  | 3499.3  | 3746.3  |
| 15°   | 2793.7  | 2806.5  | 2808.1  | 2829.0  | 2899.5  | 2904.4  | 3018.2  | 3207.5  | 3454.4  | 3741.5  |
| 17.5° | 2841.8  | 2851.4  | 2837.0  | 2849.8  | 2909.2  | 2917.2  | 3007.0  | 3175.4  | 3440.0  | 3762.4  |
| 20°   | 2970.1  | 2978.1  | 2934.8  | 2917.2  | 2960.5  | 2966.9  | 3055.1  | 3196.2  | 3454.4  | 3805.7  |
| 22.5° | 3242.7  | 3247.6  | 3141.7  | 3069.5  | 3072.7  | 3076.0  | 3152.9  | 3281.2  | 3510.6  | 3884.2  |
| 25°   | 3667.7  | 3664.5  | 3496.1  | 3356.6  | 3276.4  | 3258.8  | 3310.1  | 3419.2  | 3605.2  | 3988.5  |
| 27.5° | 4164.9  | 4140.8  | 3972.4  | 3764.0  | 3589.1  | 3563.5  | 3552.3  | 3598.8  | 3739.9  | 4126.4  |
| 30°   | 4726.2  | 4703.7  | 4522.5  | 4249.9  | 4007.7  | 3966.0  | 3860.2  | 3836.1  | 3940.4  | 4314.0  |
| 32.5° | 5342.0  | 5327.6  | 5111.1  | 4780.7  | 4456.8  | 4408.7  | 4230.6  | 4166.5  | 4248.3  | 4597.9  |
| 35°   | 5858.4  | 5845.6  | 5666.0  | 5326.0  | 4929.9  | 4870.5  | 4689.3  | 4617.1  | 4658.8  | 4961.9  |
| 37.5° | 6325.1  | 6318.7  | 6164.7  | 5896.9  | 5488.0  | 5415.8  | 5212.1  | 5188.1  | 5180.0  | 5441.5  |
| 40°   | 6758.1  | 6742.1  | 6581.7  | 6440.6  | 6137.5  | 6071.7  | 5892.1  | 5871.3  | 5810.3  | 6031.6  |
| 42.5° | 7237.6  | 7195.9  | 6963.4  | 6897.6  | 6815.9  | 6761.3  | 6653.9  | 6657.1  | 6522.4  | 6697.2  |
| 45°   | 7628.9  | 7604.9  | 7365.9  | 7327.4  | 7415.6  | 7393.2  | 7486.2  | 7510.3  | 7248.9  | 7394.8  |
| 47.5° | 8049.1  | 8026.7  | 7824.6  | 7797.3  | 8036.3  | 8042.7  | 8371.5  | 8379.5  | 7957.7  | 8119.7  |
| 50°   | 8567.1  | 8535.1  | 8334.6  | 8368.3  | 8636.1  | 8660.1  | 9261.5  | 9207.0  | 8610.4  | 8855.8  |
| 52.5° | 8908.7  | 8928.0  | 8884.7  | 8939.2  | 9304.8  | 9327.3  | 10137.2 | 9997.7  | 9256.7  | 9582.3  |
| 55°   | 9160.5  | 9199.0  | 9333.7  | 9458.8  | 10010.5 | 10032.9 | 10963.1 | 10749.8 | 9792.4  | 10255.9 |
| 57.5° | 9484.5  | 9429.9  | 9681.7  | 9925.5  | 10680.8 | 10740.2 | 11766.6 | 11474.7 | 10267.1 | 10836.4 |
| 60°   | 9949.5  | 9911.1  | 10106.7 | 10467.5 | 11431.4 | 11526.0 | 12616.5 | 12127.4 | 10615.1 | 11296.7 |
| 62.5° | 10892.5 | 10796.3 | 10826.8 | 11145.9 | 12377.6 | 12502.7 | 13575.6 | 12696.7 | 10788.3 | 11476.3 |
| 65°   | 12302.2 | 12137.0 | 11983.1 | 12204.4 | 13710.3 | 13833.8 | 14658.1 | 13144.2 | 10724.1 | 11128.3 |
| 67.5° | 14077.5 | 13914.0 | 13724.7 | 13933.2 | 15673.3 | 15771.1 | 15994.0 | 13396.0 | 10219.0 | 9787.6  |
| 70°   | 15541.8 | 15480.8 | 15706.9 | 16564.9 | 18808.5 | 18811.8 | 17706.8 | 13187.5 | 8835.0  | 6939.3  |
| 72.5° | 15347.7 | 15310.8 | 16502.4 | 19155.0 | 22760.1 | 22675.1 | 19328.2 | 11609.4 | 5951.4  | 3130.5  |
| 75°   | 12590.9 | 12829.8 | 14675.7 | 19108.4 | 24179.4 | 24168.2 | 18335.4 | 7380.4  | 2461.7  | 1297.4  |
| 77.5° | 6751.7  | 7130.2  | 9527.8  | 14108.0 | 18875.9 | 19159.8 | 12890.8 | 2582.0  | 1056.9  | 830.7   |
| 80°   | 2201.9  | 2532.3  | 3797.6  | 7183.1  | 12265.3 | 12212.4 | 5524.9  | 1013.6  | 723.3   | 588.6   |
| 82.5° | 935.0   | 973.5   | 1696.7  | 3391.9  | 6294.6  | 6196.8  | 1759.3  | 582.2   | 508.4   | 402.5   |
| 85°   | 365.7   | 409.0   | 748.9   | 1568.4  | 2726.3  | 2667.0  | 635.1   | 288.7   | 325.6   | 263.0   |
| 87.5° | 120.3   | 145.9   | 267.8   | 537.2   | 848.4   | 817.9   | 155.6   | 99.4    | 141.1   | 120.3   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3953.2  | 0°    | 3953.2  | 3953.2 | 3953.2 | 3953.2 | 3953.2 | 3953.2 | 3953.2 | 3953.2 | 3953.2 | 3953.2 |
| 3964.4  | 2.5°  | 3986.9  | 4012.5 | 4043.0 | 4087.9 | 4126.4 | 4158.5 | 4192.2 | 4213.0 | 4221.0 | 4245.1 |
| 3970.8  | 5°    | 4015.7  | 4071.9 | 4147.2 | 4221.0 | 4293.2 | 4336.5 | 4375.0 | 4394.2 | 4411.9 | 4424.7 |
| 3988.5  | 7.5°  | 4063.9  | 4136.0 | 4254.7 | 4350.9 | 4411.9 | 4447.1 | 4472.8 | 4466.4 | 4472.8 | 4476.0 |
| 4007.7  | 10°   | 4105.5  | 4206.6 | 4347.7 | 4439.1 | 4485.6 | 4487.2 | 4480.8 | 4458.4 | 4447.1 | 4448.7 |
| 4036.6  | 12.5° | 4155.3  | 4267.5 | 4419.9 | 4496.9 | 4509.7 | 4474.4 | 4447.1 | 4408.7 | 4394.2 | 4387.8 |
| 4079.9  | 15°   | 4222.6  | 4350.9 | 4498.5 | 4527.3 | 4495.3 | 4450.4 | 4403.8 | 4341.3 | 4309.2 | 4283.6 |
| 4153.7  | 17.5° | 4304.4  | 4445.5 | 4559.4 | 4538.6 | 4469.6 | 4395.8 | 4320.4 | 4225.8 | 4160.1 | 4132.8 |
| 4254.7  | 20°   | 4418.3  | 4545.0 | 4605.9 | 4514.5 | 4410.3 | 4298.0 | 4169.7 | 4054.2 | 3993.3 | 3966.0 |
| 4383.0  | 22.5° | 4556.2  | 4678.1 | 4650.8 | 4472.8 | 4325.3 | 4145.6 | 3985.3 | 3900.3 | 3869.8 | 3850.6 |
| 4548.2  | 25°   | 4721.4  | 4825.6 | 4682.9 | 4411.9 | 4185.7 | 3943.6 | 3820.1 | 3792.8 | 3778.4 | 3764.0 |
| 4750.2  | 27.5° | 4936.3  | 4992.4 | 4706.9 | 4322.1 | 3967.6 | 3728.7 | 3683.8 | 3688.6 | 3683.8 | 3659.7 |
| 5030.9  | 30°   | 5220.1  | 5208.9 | 4729.4 | 4176.1 | 3717.4 | 3534.6 | 3537.8 | 3558.7 | 3561.9 | 3545.8 |
| 5422.2  | 32.5° | 5593.8  | 5479.9 | 4740.6 | 3986.9 | 3478.5 | 3364.6 | 3367.8 | 3390.3 | 3406.3 | 3379.1 |
| 5933.8  | 35°   | 6046.1  | 5795.9 | 4723.0 | 3749.5 | 3294.1 | 3202.6 | 3178.6 | 3185.0 | 3189.8 | 3164.2 |
| 6554.4  | 37.5° | 6573.7  | 6150.3 | 4644.4 | 3486.5 | 3141.7 | 3043.9 | 2992.6 | 2949.3 | 2923.6 | 2899.5 |
| 7256.9  | 40°   | 7152.6  | 6536.8 | 4500.1 | 3229.9 | 2971.7 | 2875.5 | 2798.5 | 2716.7 | 2630.1 | 2598.0 |
| 8001.0  | 42.5° | 7758.8  | 6934.5 | 4325.3 | 2984.5 | 2776.1 | 2697.5 | 2615.7 | 2497.0 | 2367.1 | 2301.4 |
| 8774.0  | 45°   | 8387.5  | 7341.9 | 4153.7 | 2742.4 | 2575.6 | 2541.9 | 2447.3 | 2304.6 | 2163.4 | 2080.0 |
| 9548.6  | 47.5° | 9003.3  | 7726.8 | 3901.9 | 2498.6 | 2388.0 | 2424.8 | 2351.1 | 2219.6 | 2062.4 | 1930.9 |
| 10316.8 | 50°   | 9591.9  | 8087.6 | 3489.7 | 2251.6 | 2235.6 | 2389.6 | 2319.0 | 2129.8 | 1950.1 | 1781.7 |
| 11070.6 | 52.5° | 10175.7 | 8379.5 | 2962.1 | 2027.1 | 2153.8 | 2379.9 | 2277.3 | 2068.8 | 1849.1 | 1672.7 |
| 11779.4 | 55°   | 10671.2 | 8530.2 | 2453.7 | 1834.7 | 2035.1 | 2298.1 | 2227.6 | 1996.6 | 1706.4 | 1518.7 |
| 12265.3 | 57.5° | 10953.5 | 8408.4 | 2030.3 | 1645.4 | 1871.6 | 2163.4 | 2142.6 | 1842.7 | 1536.4 | 1392.0 |
| 12359.9 | 60°   | 10831.6 | 7914.4 | 1683.9 | 1480.2 | 1716.0 | 2017.5 | 1995.0 | 1690.3 | 1406.5 | 1270.2 |
| 11853.2 | 62.5° | 10159.6 | 6973.0 | 1409.7 | 1335.9 | 1574.9 | 1868.3 | 1847.5 | 1573.3 | 1307.0 | 1175.5 |
| 10507.6 | 65°   | 8806.1  | 5672.4 | 1196.4 | 1215.6 | 1432.1 | 1688.7 | 1719.2 | 1475.4 | 1228.5 | 1100.2 |
| 8129.3  | 67.5° | 6716.4  | 4108.8 | 1029.6 | 1111.4 | 1292.6 | 1512.3 | 1600.5 | 1404.9 | 1162.7 | 1040.8 |
| 4703.7  | 70°   | 3828.1  | 2333.4 | 888.5  | 1010.4 | 1169.1 | 1348.7 | 1509.1 | 1348.7 | 1092.1 | 991.1  |
| 1762.5  | 72.5° | 1451.4  | 1071.3 | 768.2  | 909.3  | 1050.4 | 1210.8 | 1408.1 | 1260.5 | 1010.4 | 935.0  |
| 910.9   | 75°   | 774.6   | 652.7  | 646.3  | 790.6  | 914.1  | 1076.1 | 1281.4 | 1173.9 | 949.4  | 987.9  |
| 630.3   | 77.5° | 527.6   | 461.9  | 540.5  | 676.8  | 765.0  | 927.0  | 1146.7 | 1042.4 | 822.7  | 819.5  |
| 436.2   | 80°   | 365.7   | 327.2  | 439.4  | 545.3  | 591.8  | 779.4  | 1000.7 | 894.9  | 670.4  | 625.5  |
| 269.4   | 82.5° | 219.7   | 213.3  | 328.8  | 407.3  | 418.6  | 601.4  | 829.1  | 750.5  | 548.5  | 477.9  |
| 160.4   | 85°   | 120.3   | 126.7  | 210.1  | 239.0  | 243.8  | 420.2  | 649.5  | 580.6  | 421.8  | 354.4  |
| 57.7    | 87.5° | 33.7    | 43.3   | 77.0   | 94.6   | 117.1  | 218.1  | 386.5  | 344.8  | 211.7  | 147.5  |
| 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°   |
|--------|
| 3953.2 |
| 4243.5 |
| 4427.9 |
| 4480.8 |
| 4452.0 |
| 4384.6 |
| 4291.6 |
| 4134.4 |
| 3962.8 |
| 3853.8 |
| 3764.0 |
| 3664.5 |
| 3553.9 |
| 3391.9 |
| 3181.8 |
| 2915.6 |
| 2612.5 |
| 2309.4 |
| 2073.6 |
| 1916.5 |
| 1767.3 |
| 1653.4 |
| 1502.7 |
| 1372.8 |
| 1250.9 |
| 1154.7 |
| 1079.3 |
| 1021.6 |
| 978.3  |
| 922.1  |
| 1020.0 |
| 755.4  |
| 598.2  |
| 481.1  |
| 357.6  |
| 147.5  |
| 0.0    |