

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: P950644

Luminaire Tested: **GLAN-SB5A-740-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-740-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24611 lumens  
Efficiency: N/A  
Efficacy: 173.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 141.7  
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

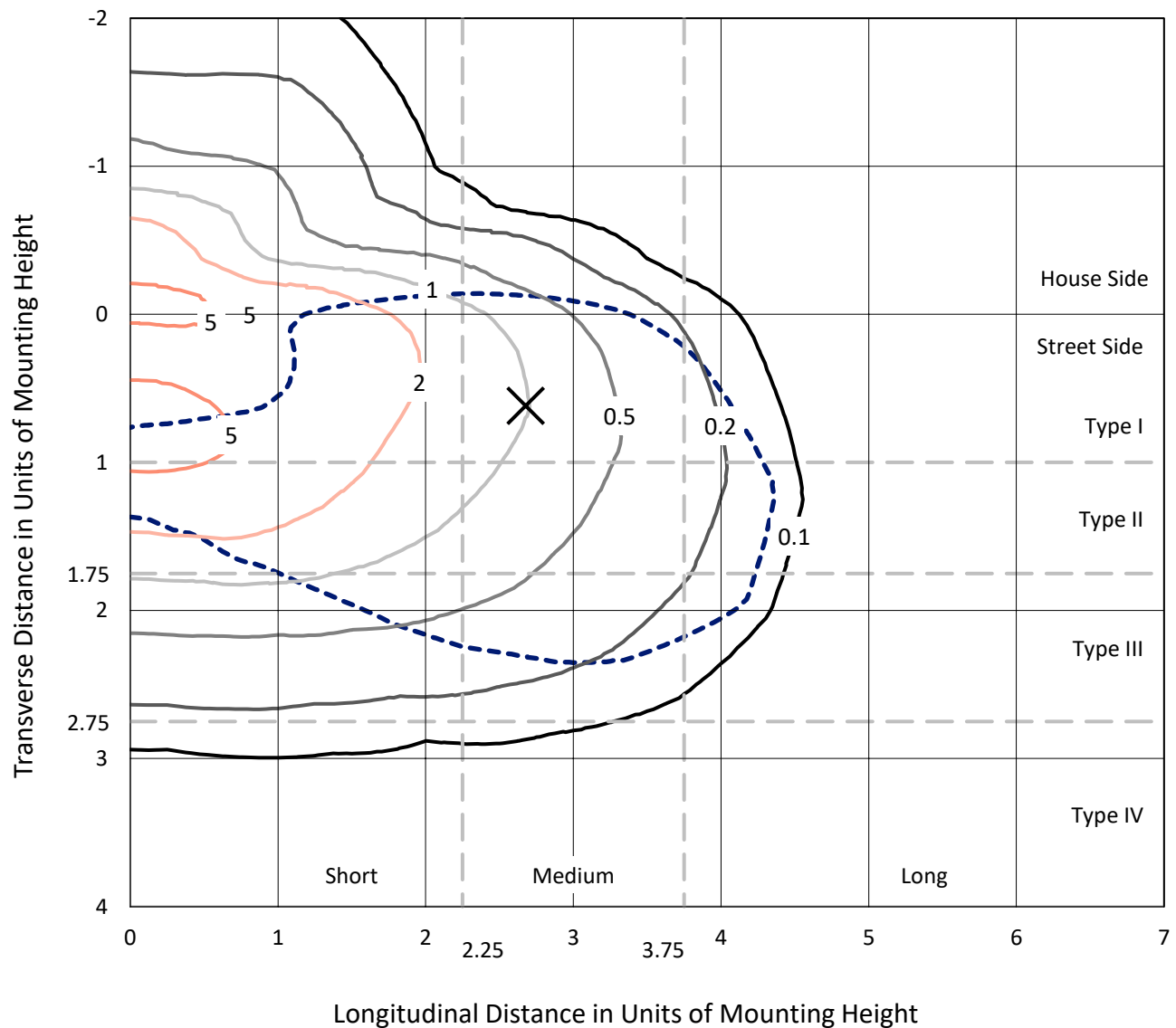


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## Iso-Footcandle Lines of Horizontal Illumination

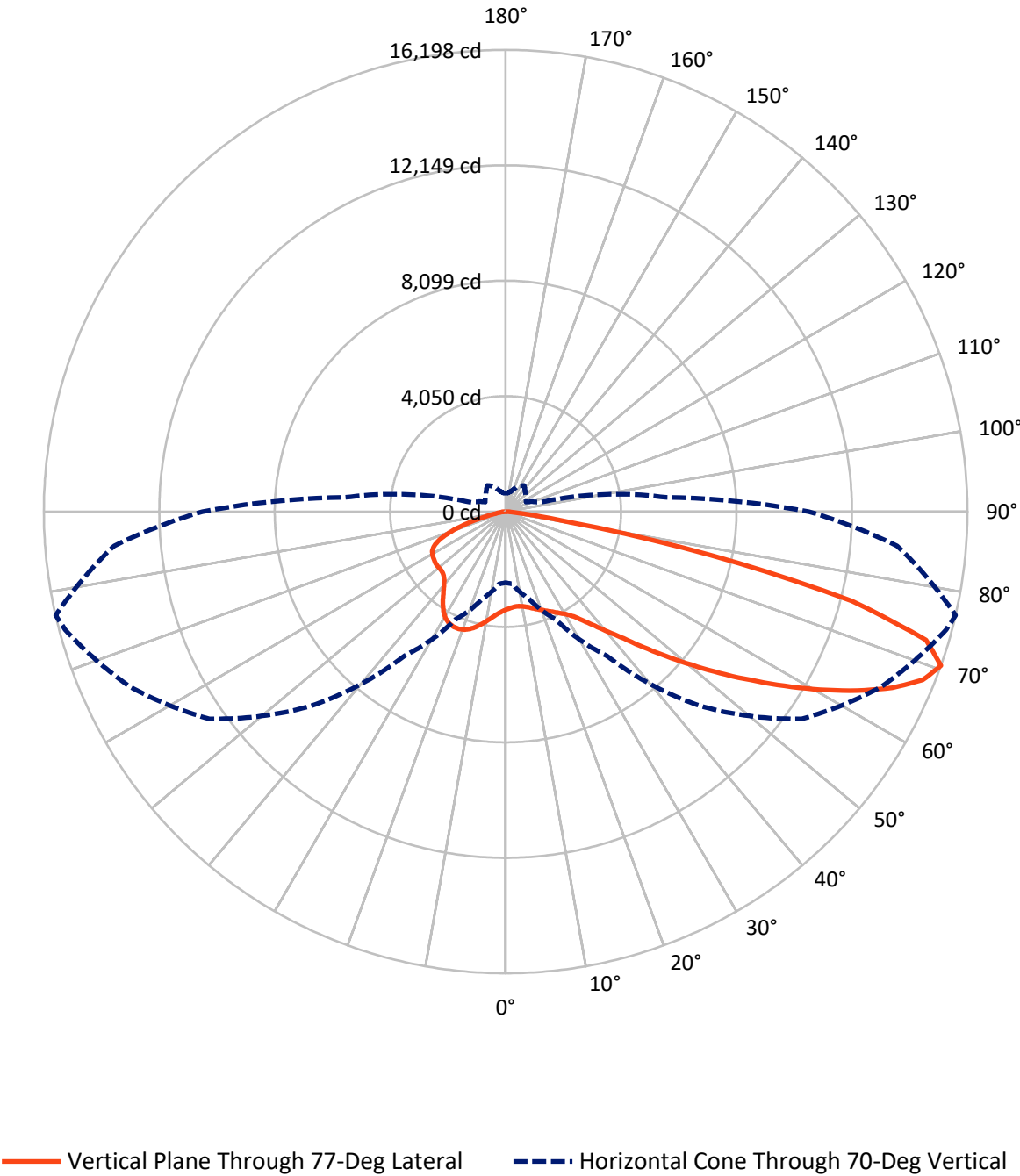
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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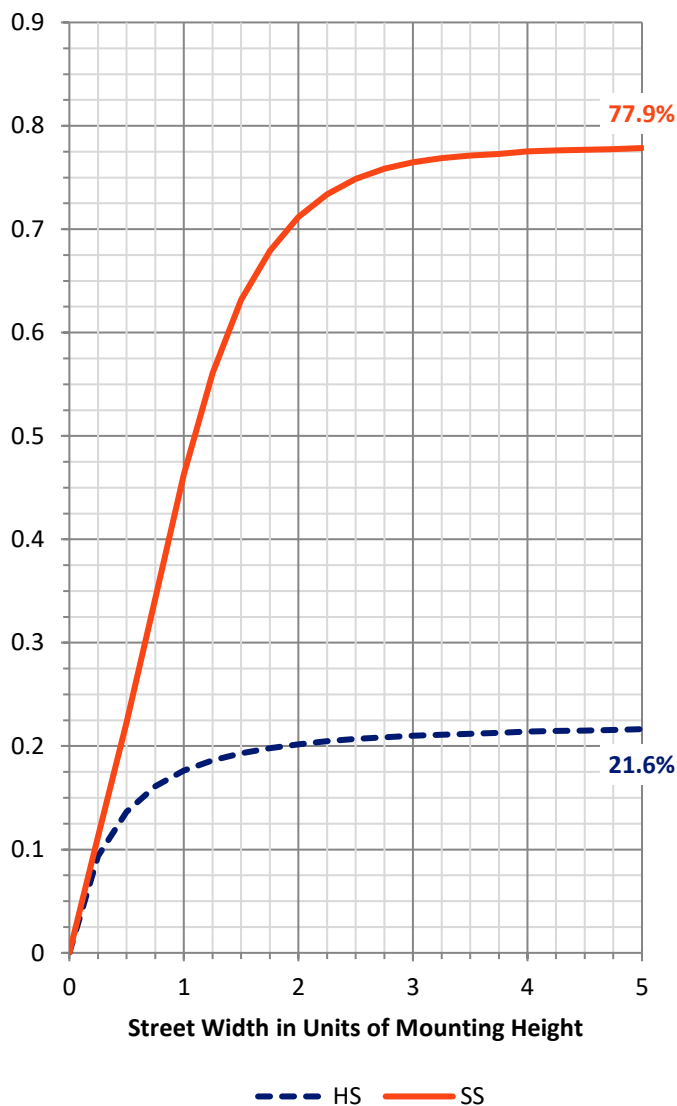
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5389.4   | 0.0    | 5389.4  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 19221.6  | 0.0    | 19221.6 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 24611.0  | 0.0    | 24611.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 327.5   | 1.3       |
| 10°-20°   | 945.1   | 3.8       |
| 20°-30°   | 1616.2  | 6.6       |
| 30°-40°   | 2599.0  | 10.6      |
| 40°-50°   | 4057.8  | 16.5      |
| 50°-60°   | 5420.2  | 22.0      |
| 60°-70°   | 5777.1  | 23.5      |
| 70°-80°   | 3556.4  | 14.5      |
| 80°-90°   | 311.6   | 1.3       |
| 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°    | 24611.0 | 100.0     |
| 0°-180°   | 24611.0 | 100.0     |

**Coefficient of Utilization**



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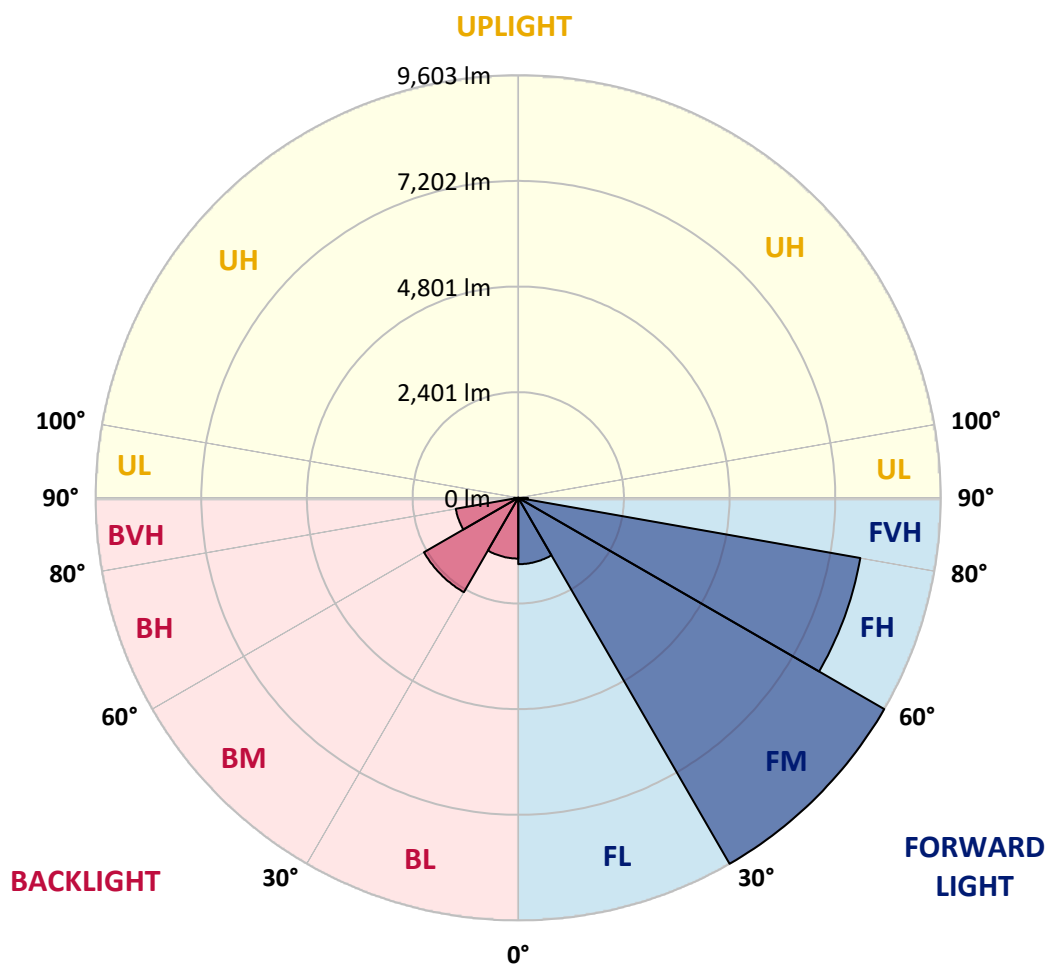
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1507.8 | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 9602.7 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 7893.2 | 32.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 217.9  | 0.9       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1380.9 | 5.6       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2474.4 | 10.1      | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1440.4 | 5.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 93.7   | 0.4       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3433.5 | 3433.5 | 3433.5  | 3433.5  | 3433.5  | 3433.5  | 3433.5  | 3433.5  | 3433.5  | 3433.5  |
| 2.5°  | 3165.0 | 3163.7 | 3180.1  | 3185.2  | 3215.4  | 3236.8  | 3277.2  | 3320.0  | 3375.5  | 3381.8  |
| 5°    | 2982.2 | 2982.2 | 3001.1  | 3021.3  | 3060.4  | 3103.2  | 3165.0  | 3239.4  | 3335.1  | 3350.3  |
| 7.5°  | 2827.2 | 2837.3 | 2853.7  | 2892.7  | 2938.1  | 2999.9  | 3094.4  | 3200.3  | 3326.3  | 3350.3  |
| 10°   | 2702.4 | 2713.7 | 2733.9  | 2765.4  | 2833.5  | 2919.2  | 3042.7  | 3178.8  | 3347.7  | 3385.6  |
| 12.5° | 2663.3 | 2674.7 | 2686.0  | 2710.0  | 2773.0  | 2873.8  | 3021.3  | 3188.9  | 3399.4  | 3437.2  |
| 15°   | 2754.1 | 2767.9 | 2759.1  | 2752.8  | 2785.6  | 2877.6  | 3031.4  | 3225.5  | 3463.7  | 3517.9  |
| 17.5° | 2963.3 | 2968.4 | 2948.2  | 2888.9  | 2883.9  | 2933.1  | 3079.3  | 3275.9  | 3544.4  | 3603.6  |
| 20°   | 3301.1 | 3292.3 | 3250.7  | 3133.5  | 3066.7  | 3056.6  | 3161.2  | 3351.5  | 3627.6  | 3690.6  |
| 22.5° | 3759.9 | 3749.8 | 3666.6  | 3481.4  | 3332.6  | 3234.3  | 3279.7  | 3449.8  | 3720.8  | 3791.4  |
| 25°   | 4332.2 | 4318.3 | 4196.0  | 3943.9  | 3713.3  | 3470.0  | 3441.0  | 3579.7  | 3835.5  | 3901.1  |
| 27.5° | 5000.2 | 4988.9 | 4856.5  | 4523.7  | 4191.0  | 3792.7  | 3641.4  | 3732.2  | 3955.3  | 4029.7  |
| 30°   | 5718.7 | 5751.4 | 5517.0  | 5159.0  | 4738.0  | 4213.7  | 3911.2  | 3920.0  | 4110.3  | 4177.1  |
| 32.5° | 6563.2 | 6619.9 | 6337.5  | 5883.8  | 5309.0  | 4671.2  | 4251.5  | 4182.2  | 4335.9  | 4391.4  |
| 35°   | 7400.1 | 7464.4 | 7229.9  | 6728.3  | 6066.5  | 5210.7  | 4606.9  | 4483.4  | 4635.9  | 4696.4  |
| 37.5° | 8123.6 | 8209.3 | 8088.3  | 7652.2  | 6877.0  | 5861.1  | 5070.8  | 4837.6  | 5005.2  | 5080.9  |
| 40°   | 8694.6 | 8825.7 | 8816.8  | 8544.6  | 7832.4  | 6650.1  | 5659.4  | 5275.0  | 5464.0  | 5546.0  |
| 42.5° | 9158.4 | 9271.9 | 9370.2  | 9356.3  | 8829.4  | 7546.3  | 6351.4  | 5843.4  | 5987.1  | 6081.7  |
| 45°   | 9478.6 | 9599.6 | 9811.3  | 10039.5 | 9788.6  | 8505.5  | 7144.2  | 6517.8  | 6648.9  | 6791.3  |
| 47.5° | 9764.7 | 9902.1 | 10176.9 | 10538.6 | 10602.9 | 9468.5  | 8012.7  | 7303.0  | 7422.8  | 7570.2  |
| 50°   | 9789.9 | 9908.4 | 10334.4 | 10847.4 | 11181.4 | 10393.7 | 8945.4  | 8184.1  | 8296.3  | 8453.8  |
| 52.5° | 9181.1 | 9367.6 | 10111.3 | 10838.6 | 11447.4 | 11167.6 | 9871.8  | 9100.4  | 9226.5  | 9415.5  |
| 55°   | 7126.6 | 7400.1 | 9457.1  | 10500.8 | 11352.9 | 11668.0 | 10752.9 | 10074.8 | 10236.1 | 10434.0 |
| 57.5° | 6138.4 | 6258.1 | 7507.2  | 9885.7  | 10921.8 | 11797.8 | 11496.5 | 11059.2 | 11318.8 | 11535.6 |
| 60°   | 5517.0 | 5616.6 | 6355.2  | 8929.0  | 10354.6 | 11592.3 | 12071.3 | 11976.8 | 12425.5 | 12683.9 |
| 62.5° | 4851.5 | 4946.0 | 5617.8  | 7455.5  | 9628.6  | 11250.8 | 12434.3 | 12823.8 | 13559.9 | 13842.2 |
| 65°   | 4191.0 | 4271.7 | 4915.7  | 6264.4  | 8705.9  | 10909.2 | 12622.1 | 13556.1 | 14609.8 | 14902.3 |
| 67.5° | 3454.9 | 3521.7 | 4130.5  | 5285.1  | 7584.1  | 10441.5 | 12715.4 | 14132.1 | 15523.7 | 15774.5 |
| 70°   | 2493.2 | 2544.8 | 3173.8  | 4179.6  | 6176.2  | 9637.4  | 12677.6 | 14540.5 | 15997.6 | 16198.0 |
| 72.5° | 1178.5 | 1225.2 | 1963.8  | 2713.7  | 4362.4  | 8071.9  | 11912.5 | 14216.6 | 15516.1 | 15416.5 |
| 75°   | 629.0  | 669.3  | 1128.1  | 1488.6  | 2304.1  | 5533.4  | 9748.3  | 12246.5 | 13029.2 | 12545.2 |
| 77.5° | 426.0  | 457.5  | 698.3   | 893.7   | 1052.5  | 2626.8  | 6265.7  | 8479.0  | 8157.6  | 7358.5  |
| 80°   | 337.8  | 370.6  | 572.2   | 605.0   | 509.2   | 949.1   | 2589.0  | 3925.0  | 2819.6  | 2254.9  |
| 82.5° | 259.7  | 296.2  | 481.5   | 438.6   | 277.3   | 389.5   | 753.7   | 1241.5  | 722.2   | 549.6   |
| 85°   | 158.8  | 197.9  | 378.1   | 279.8   | 156.3   | 177.7   | 255.9   | 345.4   | 220.6   | 184.0   |
| 87.5° | 80.7   | 113.4  | 191.6   | 102.1   | 70.6    | 41.6    | 68.1    | 68.1    | 58.0    | 50.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3433.5  | 0°    | 3433.5  | 3433.5 | 3433.5 | 3433.5 | 3433.5 | 3433.5 | 3433.5 | 3433.5 | 3433.5 | 3433.5 |
| 3415.8  | 2.5°  | 3446.1  | 3471.3 | 3514.1 | 3554.5 | 3586.0 | 3616.2 | 3646.5 | 3662.9 | 3667.9 | 3688.1 |
| 3434.7  | 5°    | 3486.4  | 3533.0 | 3616.2 | 3694.4 | 3743.5 | 3773.8 | 3795.2 | 3807.8 | 3810.3 | 3816.6 |
| 3486.4  | 7.5°  | 3560.8  | 3635.1 | 3751.1 | 3829.2 | 3865.8 | 3863.3 | 3854.4 | 3822.9 | 3810.3 | 3799.0 |
| 3562.0  | 10°   | 3665.4  | 3763.7 | 3906.1 | 3960.3 | 3937.6 | 3877.1 | 3799.0 | 3707.0 | 3664.1 | 3622.5 |
| 3665.4  | 12.5° | 3795.2  | 3920.0 | 4059.9 | 4057.4 | 3945.2 | 3790.2 | 3608.7 | 3467.5 | 3378.0 | 3313.7 |
| 3792.7  | 15°   | 3952.8  | 4096.5 | 4203.6 | 4117.9 | 3872.1 | 3593.5 | 3327.6 | 3143.6 | 3062.9 | 2992.3 |
| 3921.3  | 17.5° | 4115.4  | 4269.1 | 4318.3 | 4099.0 | 3688.1 | 3302.4 | 3001.1 | 2856.2 | 2776.8 | 2739.0 |
| 4059.9  | 20°   | 4274.2  | 4426.7 | 4386.4 | 3990.6 | 3408.3 | 2972.1 | 2703.7 | 2624.3 | 2607.9 | 2616.7 |
| 4194.8  | 22.5° | 4441.8  | 4577.9 | 4400.2 | 3781.3 | 3051.5 | 2634.3 | 2486.9 | 2489.4 | 2525.9 | 2552.4 |
| 4335.9  | 25°   | 4613.2  | 4705.3 | 4363.7 | 3478.8 | 2668.4 | 2386.0 | 2349.5 | 2389.8 | 2461.7 | 2513.3 |
| 4494.8  | 27.5° | 4778.4  | 4818.7 | 4284.3 | 3104.5 | 2339.4 | 2208.3 | 2214.6 | 2297.8 | 2406.2 | 2478.0 |
| 4687.6  | 30°   | 4964.9  | 4919.5 | 4131.7 | 2683.5 | 2111.2 | 2055.8 | 2108.7 | 2205.8 | 2314.2 | 2378.5 |
| 4930.9  | 32.5° | 5175.4  | 5006.5 | 3889.7 | 2294.0 | 1949.9 | 1933.5 | 2020.5 | 2083.5 | 2131.4 | 2150.3 |
| 5253.5  | 35°   | 5437.6  | 5128.8 | 3579.7 | 2020.5 | 1805.0 | 1844.0 | 1927.2 | 1895.7 | 1876.8 | 1866.7 |
| 5687.1  | 37.5° | 5777.9  | 5293.9 | 3216.7 | 1842.8 | 1687.7 | 1779.8 | 1813.8 | 1715.5 | 1641.1 | 1604.5 |
| 6212.7  | 40°   | 6187.5  | 5535.9 | 2867.5 | 1705.4 | 1613.4 | 1724.3 | 1665.1 | 1546.6 | 1452.0 | 1400.4 |
| 6803.9  | 42.5° | 6642.6  | 5789.2 | 2573.8 | 1602.0 | 1571.8 | 1678.9 | 1555.4 | 1414.2 | 1261.7 | 1245.3 |
| 7508.5  | 45°   | 7120.3  | 6050.1 | 2373.4 | 1522.6 | 1551.6 | 1639.8 | 1492.4 | 1264.2 | 1155.8 | 1222.6 |
| 8215.6  | 47.5° | 7598.0  | 6289.6 | 2252.4 | 1463.4 | 1541.5 | 1595.7 | 1436.9 | 1181.0 | 1104.2 | 1201.2 |
| 8973.1  | 50°   | 8129.9  | 6503.9 | 2198.2 | 1420.5 | 1530.2 | 1578.1 | 1353.7 | 1159.6 | 1050.0 | 1114.2 |
| 9757.1  | 52.5° | 8658.0  | 6670.3 | 2157.9 | 1377.7 | 1513.8 | 1564.2 | 1313.4 | 1134.4 | 984.4  | 988.2  |
| 10546.2 | 55°   | 9184.9  | 6778.7 | 2113.8 | 1320.9 | 1477.2 | 1534.0 | 1309.6 | 1106.7 | 935.3  | 917.6  |
| 11380.6 | 57.5° | 9747.0  | 6840.4 | 2059.6 | 1257.9 | 1414.2 | 1457.1 | 1305.8 | 1085.2 | 920.1  | 891.1  |
| 12233.9 | 60°   | 10319.3 | 6931.2 | 1989.0 | 1181.0 | 1329.8 | 1365.1 | 1297.0 | 1077.7 | 911.3  | 862.1  |
| 13038.1 | 62.5° | 10832.3 | 6962.7 | 1904.5 | 1107.9 | 1221.4 | 1274.3 | 1278.1 | 1071.4 | 887.4  | 802.9  |
| 13706.1 | 65°   | 11168.8 | 6826.6 | 1757.1 | 1024.7 | 1104.2 | 1181.0 | 1241.5 | 1050.0 | 844.5  | 760.0  |
| 14036.3 | 67.5° | 11155.0 | 6438.4 | 1526.4 | 917.6  | 990.7  | 1077.7 | 1188.6 | 1013.4 | 792.8  | 707.1  |
| 13786.8 | 70°   | 10635.7 | 5672.0 | 1234.0 | 792.8  | 865.9  | 966.8  | 1120.5 | 959.2  | 731.1  | 649.1  |
| 12259.1 | 72.5° | 9121.9  | 4439.3 | 896.2  | 646.6  | 721.0  | 852.1  | 1032.3 | 893.7  | 668.0  | 597.5  |
| 9060.1  | 75°   | 6516.5  | 2809.5 | 607.5  | 496.6  | 560.9  | 722.2  | 922.6  | 816.8  | 610.1  | 600.0  |
| 4537.6  | 77.5° | 3328.8  | 1342.4 | 402.1  | 363.0  | 390.7  | 569.7  | 775.2  | 729.8  | 618.9  | 495.4  |
| 1290.7  | 80°   | 1082.7  | 495.4  | 253.3  | 247.0  | 259.7  | 379.4  | 600.0  | 598.7  | 468.9  | 336.5  |
| 312.6   | 82.5° | 345.4   | 213.0  | 165.1  | 158.8  | 152.5  | 238.2  | 418.5  | 473.9  | 316.4  | 213.0  |
| 112.2   | 85°   | 137.4   | 127.3  | 97.1   | 89.5   | 64.3   | 112.2  | 219.3  | 315.1  | 235.7  | 153.8  |
| 29.0    | 87.5° | 50.4    | 50.4   | 26.5   | 18.9   | 13.9   | 37.8   | 59.2   | 94.5   | 134.9  | 79.4   |
| 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°   |
|--------|
| 3433.5 |
| 3699.4 |
| 3826.7 |
| 3801.5 |
| 3609.9 |
| 3298.6 |
| 2984.7 |
| 2750.3 |
| 2612.9 |
| 2558.7 |
| 2527.2 |
| 2495.7 |
| 2393.6 |
| 2160.4 |
| 1876.8 |
| 1613.4 |
| 1404.1 |
| 1261.7 |
| 1257.9 |
| 1246.6 |
| 1162.1 |
| 1014.7 |
| 930.2  |
| 894.9  |
| 865.9  |
| 802.9  |
| 760.0  |
| 710.9  |
| 656.7  |
| 593.7  |
| 565.9  |
| 441.2  |
| 297.5  |
| 211.8  |
| 157.6  |
| 78.1   |
| 0.0    |