

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: P956436

Luminaire Tested: **GLAN-SB9A-830-U-T2R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956436  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-830-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37394 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 255.5  
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

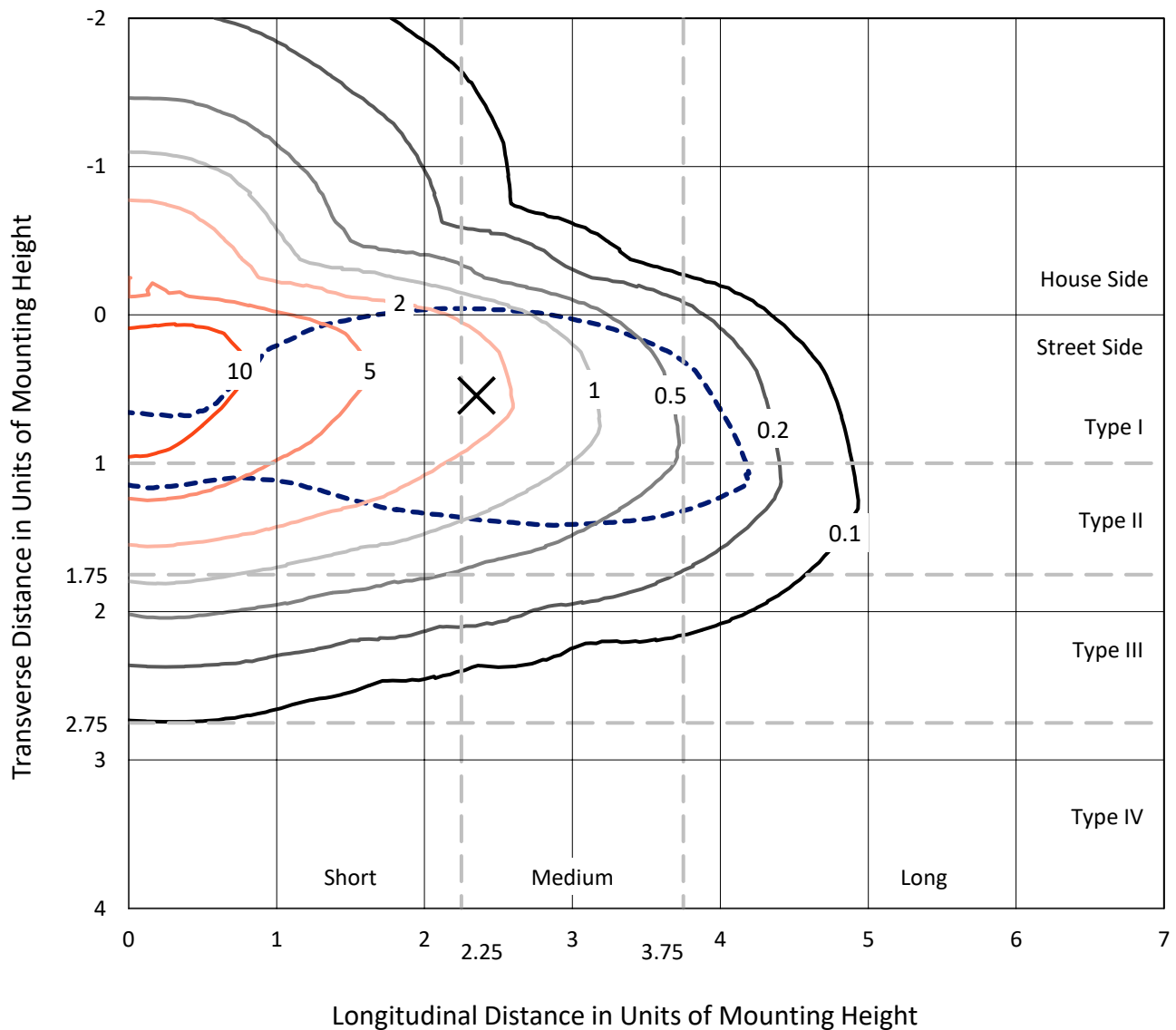


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## Iso-Footcandle Lines of Horizontal Illumination

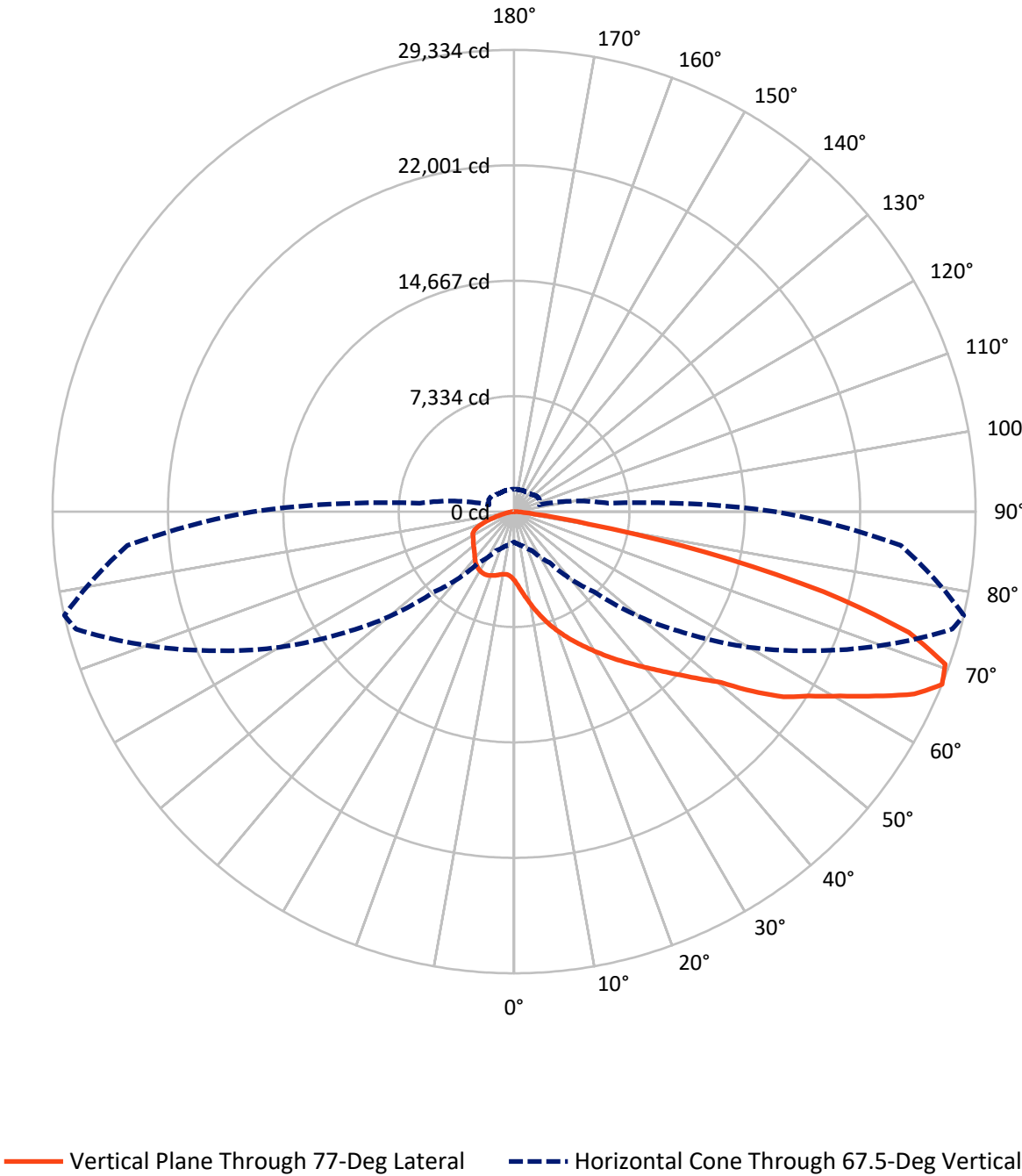
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc  
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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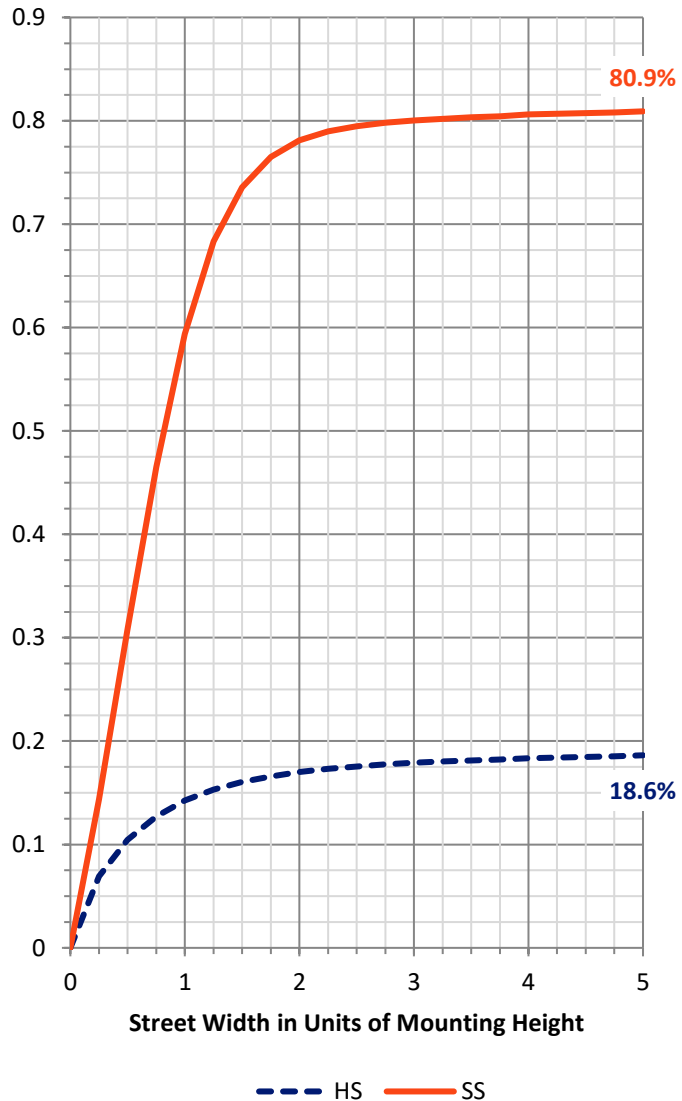
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7073.4   | 0.0    | 7073.4  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 30320.6  | 0.0    | 30320.6 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 37394.0  | 0.0    | 37394.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 470.3   | 1.3       |
| 10°-20°   | 1689.5  | 4.5       |
| 20°-30°   | 3190.0  | 8.5       |
| 30°-40°   | 5139.0  | 13.7      |
| 40°-50°   | 7029.2  | 18.8      |
| 50°-60°   | 7929.0  | 21.2      |
| 60°-70°   | 7400.8  | 19.8      |
| 70°-80°   | 4056.9  | 10.8      |
| 80°-90°   | 489.4   | 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°    | 37394.0 | 100.0     |
| 0°-180°   | 37394.0 | 100.0     |

**Coefficient of Utilization**



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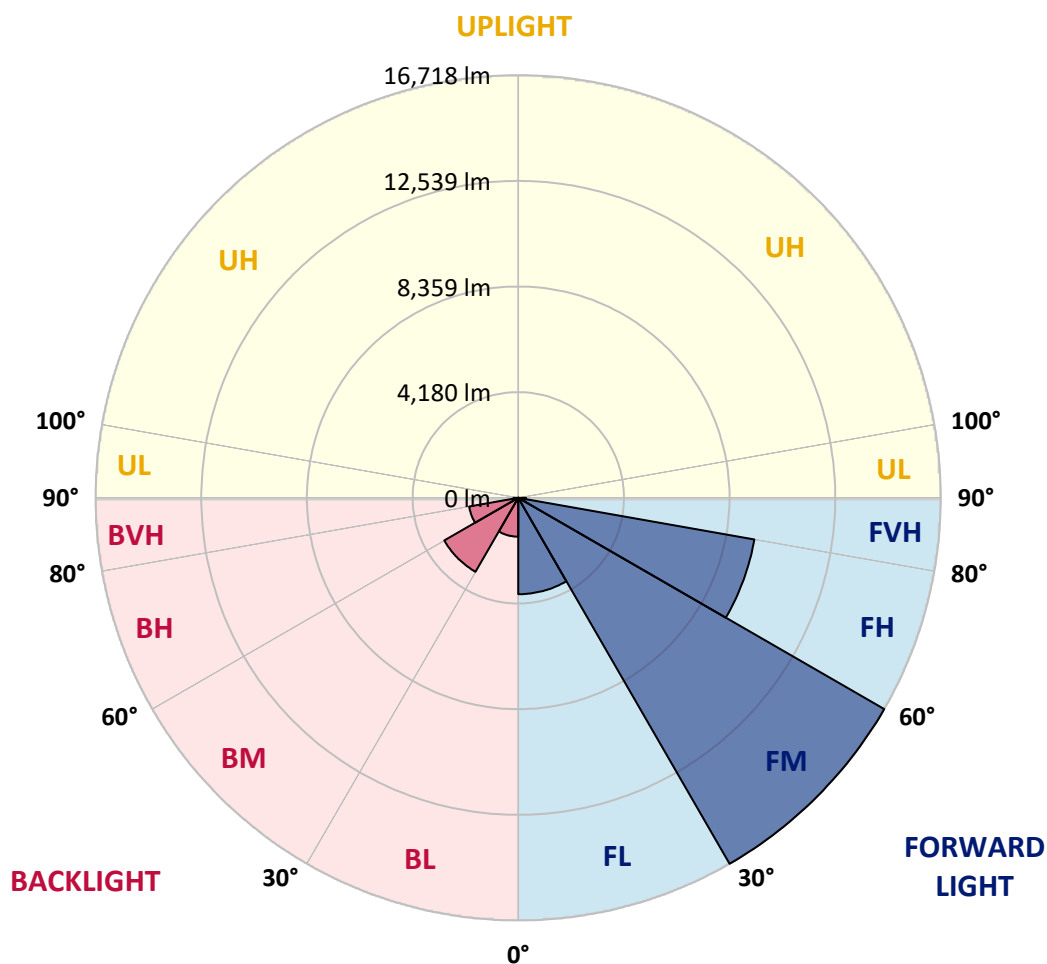
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3811.9  | 10.2      |                         |      |          |
| FM   | (30°-60°)   | 16718.4 | 44.7      |                         |      |          |
| FH   | (60°-80°)   | 9484.2  | 25.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 306.0   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1537.9  | 4.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3378.8  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1973.4  | 5.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 183.3   | 0.5       |                         |      | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4387.5  | 4387.5  | 4387.5  | 4387.5  | 4387.5  | 4387.5  | 4387.5  | 4387.5  | 4387.5  | 4387.5  |
| 2.5°  | 5493.5  | 5532.1  | 5483.9  | 5483.9  | 5321.7  | 5236.8  | 5074.7  | 4951.1  | 4729.1  | 4690.5  |
| 5°    | 6493.4  | 6541.6  | 6474.1  | 6445.1  | 6254.0  | 6078.4  | 5806.2  | 5537.9  | 5142.2  | 5101.7  |
| 7.5°  | 7267.4  | 7329.2  | 7269.4  | 7238.5  | 7068.6  | 6871.7  | 6553.2  | 6178.8  | 5620.9  | 5541.8  |
| 10°   | 7898.6  | 7908.3  | 7889.0  | 7900.5  | 7767.4  | 7605.2  | 7279.0  | 6842.8  | 6145.9  | 6037.8  |
| 12.5° | 8255.7  | 8300.1  | 8338.7  | 8408.2  | 8385.0  | 8284.7  | 7991.3  | 7470.1  | 6701.9  | 6562.9  |
| 15°   | 8423.6  | 8500.9  | 8587.7  | 8747.9  | 8877.3  | 8902.4  | 8678.4  | 8143.8  | 7267.4  | 7099.5  |
| 17.5° | 8483.5  | 8556.8  | 8693.9  | 8925.5  | 9203.5  | 9390.7  | 9290.3  | 8798.1  | 7827.2  | 7634.2  |
| 20°   | 8786.5  | 8807.8  | 8890.8  | 9110.8  | 9411.9  | 9722.7  | 9798.0  | 9427.4  | 8381.2  | 8163.1  |
| 22.5° | 9435.1  | 9392.6  | 9415.8  | 9516.2  | 9732.4  | 10033.5 | 10205.3 | 9983.3  | 8950.6  | 8699.7  |
| 25°   | 10506.4 | 10382.9 | 10259.3 | 10143.5 | 10253.5 | 10423.4 | 10618.4 | 10539.2 | 9547.1  | 9228.6  |
| 27.5° | 11859.5 | 11708.9 | 11436.8 | 11056.5 | 10923.3 | 10983.2 | 11070.0 | 11054.6 | 10099.1 | 9776.8  |
| 30°   | 13191.4 | 13015.7 | 12691.5 | 12141.3 | 11790.0 | 11631.7 | 11566.1 | 11521.7 | 10699.4 | 10355.8 |
| 32.5° | 14255.0 | 14116.0 | 13797.5 | 13181.7 | 12672.1 | 12401.9 | 12183.8 | 12025.5 | 11326.8 | 10983.2 |
| 35°   | 15185.3 | 15056.0 | 14691.2 | 14019.5 | 13465.5 | 13177.9 | 12892.2 | 12554.4 | 11979.2 | 11631.7 |
| 37.5° | 16034.7 | 15905.3 | 15405.4 | 14706.6 | 14148.8 | 13950.0 | 13695.2 | 13121.9 | 12633.5 | 12305.4 |
| 40°   | 16571.3 | 16542.3 | 16075.2 | 15283.8 | 14704.7 | 14606.3 | 14521.3 | 13780.1 | 13359.3 | 13054.3 |
| 42.5° | 16708.3 | 16772.0 | 16401.4 | 15750.9 | 15198.9 | 15119.7 | 15318.5 | 14525.2 | 14173.9 | 13882.4 |
| 45°   | 16378.2 | 16561.6 | 16318.4 | 15876.4 | 15550.2 | 15507.7 | 16025.0 | 15339.8 | 15075.3 | 14808.9 |
| 47.5° | 15542.4 | 15853.2 | 15752.8 | 15691.1 | 15644.7 | 15828.1 | 16646.6 | 16204.5 | 16096.4 | 15864.8 |
| 50°   | 13855.4 | 14444.1 | 14619.8 | 15009.7 | 15457.5 | 16077.1 | 17212.1 | 17148.4 | 17289.3 | 17055.8 |
| 52.5° | 10938.8 | 11749.5 | 12768.7 | 13745.4 | 14882.3 | 15994.1 | 17833.7 | 18503.5 | 19098.0 | 18970.6 |
| 55°   | 9029.8  | 9394.6  | 10178.3 | 11969.5 | 13766.6 | 15644.7 | 18113.5 | 19597.9 | 20893.1 | 20779.2 |
| 57.5° | 7562.8  | 7889.0  | 8371.5  | 9867.5  | 12079.6 | 14851.4 | 18287.3 | 20265.8 | 22122.7 | 22111.1 |
| 60°   | 5989.6  | 6335.1  | 6829.3  | 7889.0  | 10108.8 | 13480.9 | 18248.7 | 21026.3 | 23692.0 | 23788.5 |
| 62.5° | 4213.8  | 4594.0  | 5142.2  | 6130.5  | 8095.5  | 11705.1 | 17461.1 | 21576.4 | 25539.3 | 25801.8 |
| 65°   | 2769.9  | 3020.9  | 3433.9  | 4287.1  | 6032.1  | 9421.6  | 15957.4 | 21647.9 | 27515.8 | 27959.8 |
| 67.5° | 1941.8  | 2038.4  | 2281.6  | 2744.8  | 3976.3  | 7225.0  | 13562.0 | 20908.6 | 28834.2 | 29334.1 |
| 70°   | 1515.3  | 1563.5  | 1687.0  | 1872.4  | 2497.8  | 4858.5  | 10392.5 | 18986.0 | 28552.4 | 29073.6 |
| 72.5° | 1308.7  | 1355.0  | 1401.4  | 1424.5  | 1675.5  | 2999.6  | 7039.7  | 15874.4 | 25898.3 | 26251.5 |
| 75°   | 1187.1  | 1198.7  | 1237.3  | 1229.6  | 1277.8  | 1945.7  | 4063.2  | 11566.1 | 20433.7 | 20312.1 |
| 77.5° | 997.9   | 1013.4  | 1077.1  | 1067.4  | 1135.0  | 1329.9  | 2109.8  | 7464.3  | 13247.4 | 12421.2 |
| 80°   | 845.5   | 853.2   | 922.7   | 911.1   | 986.4   | 963.2   | 1077.1  | 3804.5  | 5619.0  | 4760.0  |
| 82.5° | 293.4   | 362.9   | 704.5   | 725.8   | 752.8   | 582.9   | 621.5   | 1551.9  | 1716.0  | 1314.5  |
| 85°   | 142.8   | 152.5   | 359.0   | 509.6   | 507.7   | 293.4   | 303.1   | 554.0   | 540.5   | 424.7   |
| 87.5° | 23.2    | 29.0    | 42.5    | 198.8   | 158.3   | 77.2    | 104.2   | 108.1   | 112.0   | 96.5    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4387.5  | 0°    | 4387.5  | 4387.5 | 4387.5 | 4387.5 | 4387.5 | 4387.5 | 4387.5 | 4387.5 | 4387.5 | 4387.5 |
| 4543.8  | 2.5°  | 4435.7  | 4339.2 | 4136.5 | 3949.3 | 3802.6 | 3661.7 | 3582.6 | 3515.0 | 3476.4 | 3468.7 |
| 4756.2  | 5°    | 4555.4  | 4356.6 | 3987.9 | 3677.1 | 3474.5 | 3323.9 | 3244.8 | 3194.6 | 3169.5 | 3154.0 |
| 5041.8  | 7.5°  | 4727.2  | 4435.7 | 3910.7 | 3557.5 | 3345.1 | 3237.0 | 3196.5 | 3188.8 | 3186.9 | 3188.8 |
| 5387.4  | 10°   | 4964.6  | 4565.1 | 3903.0 | 3528.5 | 3350.9 | 3291.1 | 3289.2 | 3291.1 | 3298.8 | 3300.7 |
| 5763.8  | 12.5° | 5221.3  | 4698.2 | 3933.9 | 3553.6 | 3424.3 | 3391.5 | 3385.7 | 3383.7 | 3389.5 | 3393.4 |
| 6144.0  | 15°   | 5501.2  | 4873.9 | 3986.0 | 3607.7 | 3505.3 | 3470.6 | 3464.8 | 3453.2 | 3451.3 | 3449.4 |
| 6543.6  | 17.5° | 5788.8  | 5047.6 | 4043.9 | 3665.6 | 3557.5 | 3509.2 | 3488.0 | 3461.0 | 3439.7 | 3433.9 |
| 6956.7  | 20°   | 6080.3  | 5219.4 | 4084.4 | 3694.5 | 3561.3 | 3493.8 | 3451.3 | 3405.0 | 3368.3 | 3347.1 |
| 7373.6  | 22.5° | 6391.1  | 5398.9 | 4109.5 | 3686.8 | 3526.6 | 3433.9 | 3356.7 | 3302.7 | 3246.7 | 3210.0 |
| 7794.4  | 25°   | 6694.1  | 5555.3 | 4107.6 | 3646.3 | 3459.0 | 3341.3 | 3242.8 | 3173.3 | 3096.1 | 3057.5 |
| 8228.7  | 27.5° | 6985.6  | 5696.2 | 4059.3 | 3574.8 | 3362.5 | 3231.3 | 3113.5 | 3030.5 | 2955.2 | 2918.6 |
| 8666.9  | 30°   | 7286.7  | 5813.9 | 3984.1 | 3470.6 | 3248.6 | 3103.9 | 2974.5 | 2903.1 | 2835.5 | 2800.8 |
| 9130.1  | 32.5° | 7585.9  | 5922.0 | 3877.9 | 3341.3 | 3117.4 | 2978.4 | 2851.0 | 2785.4 | 2744.8 | 2744.8 |
| 9628.1  | 35°   | 7902.5  | 5997.3 | 3737.0 | 3190.7 | 2978.4 | 2845.2 | 2744.8 | 2706.2 | 2702.4 | 2679.2 |
| 10155.1 | 37.5° | 8236.4  | 6045.6 | 3565.2 | 3036.3 | 2841.3 | 2715.9 | 2685.0 | 2638.7 | 2600.1 | 2549.9 |
| 10734.2 | 40°   | 8587.7  | 6093.8 | 3358.7 | 2876.1 | 2696.6 | 2627.1 | 2613.6 | 2551.8 | 2441.8 | 2318.2 |
| 11390.5 | 42.5° | 9014.3  | 6126.6 | 3144.4 | 2715.9 | 2544.1 | 2520.9 | 2540.2 | 2434.1 | 2258.4 | 2165.8 |
| 12181.9 | 45°   | 9508.5  | 6180.7 | 2947.5 | 2557.6 | 2387.7 | 2387.7 | 2468.8 | 2329.8 | 2185.1 | 2127.1 |
| 13085.2 | 47.5° | 10149.3 | 6306.2 | 2764.1 | 2383.9 | 2243.0 | 2281.6 | 2310.5 | 2204.4 | 2123.3 | 2051.9 |
| 14185.5 | 50°   | 11075.8 | 6607.3 | 2575.0 | 2208.2 | 2132.9 | 2210.1 | 2169.6 | 2107.8 | 2013.3 | 1955.4 |
| 15934.3 | 52.5° | 12226.3 | 6784.9 | 2407.0 | 2049.9 | 2038.4 | 2115.6 | 2057.7 | 1999.7 | 1928.3 | 1851.1 |
| 17260.4 | 55°   | 13009.9 | 6817.7 | 2266.1 | 1934.1 | 1974.7 | 1966.9 | 1945.7 | 1893.6 | 1855.0 | 1752.7 |
| 18569.1 | 57.5° | 13886.3 | 6883.3 | 2150.3 | 1864.6 | 1934.1 | 1849.2 | 1841.5 | 1797.1 | 1746.9 | 1677.4 |
| 20165.4 | 60°   | 14934.4 | 6985.6 | 2049.9 | 1837.6 | 1899.4 | 1772.0 | 1733.4 | 1716.0 | 1665.8 | 1631.1 |
| 22086.0 | 62.5° | 16077.1 | 7078.3 | 1947.6 | 1841.5 | 1858.8 | 1696.7 | 1638.8 | 1633.0 | 1602.1 | 1590.5 |
| 23888.9 | 65°   | 16856.9 | 6825.4 | 1820.2 | 1837.6 | 1795.1 | 1619.5 | 1546.1 | 1544.2 | 1519.1 | 1515.3 |
| 24670.6 | 67.5° | 16584.8 | 6024.3 | 1648.4 | 1783.6 | 1729.5 | 1542.3 | 1461.2 | 1453.5 | 1420.7 | 1422.6 |
| 23854.1 | 70°   | 15222.0 | 4881.6 | 1411.0 | 1650.4 | 1648.4 | 1472.8 | 1372.4 | 1347.3 | 1302.9 | 1310.6 |
| 20740.6 | 72.5° | 12666.4 | 3617.3 | 1092.5 | 1428.4 | 1519.1 | 1409.1 | 1270.1 | 1229.6 | 1173.6 | 1181.3 |
| 15310.8 | 75°   | 9147.5  | 2459.1 | 795.3  | 1086.7 | 1322.2 | 1333.8 | 1169.7 | 1100.2 | 1032.7 | 1044.3 |
| 8522.1  | 77.5° | 4680.9  | 1393.6 | 584.9  | 748.9  | 1038.5 | 1212.2 | 1079.0 | 986.4  | 970.9  | 1079.0 |
| 2457.2  | 80°   | 1526.8  | 698.8  | 405.4  | 525.0  | 681.4  | 992.2  | 945.8  | 839.7  | 835.8  | 860.9  |
| 515.4   | 82.5° | 455.5   | 295.3  | 260.6  | 345.5  | 376.4  | 760.5  | 816.5  | 635.1  | 546.3  | 575.2  |
| 171.8   | 85°   | 156.4   | 142.8  | 148.6  | 171.8  | 179.5  | 445.9  | 571.4  | 420.8  | 397.6  | 438.2  |
| 38.6    | 87.5° | 36.7    | 50.2   | 42.5   | 38.6   | 38.6   | 108.1  | 222.0  | 175.7  | 243.2  | 162.1  |
| 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°   |
|--------|
| 4387.5 |
| 3468.7 |
| 3152.1 |
| 3194.6 |
| 3302.7 |
| 3395.3 |
| 3447.4 |
| 3439.7 |
| 3354.8 |
| 3212.0 |
| 3057.5 |
| 2916.6 |
| 2798.9 |
| 2746.8 |
| 2673.4 |
| 2542.2 |
| 2300.9 |
| 2167.7 |
| 2136.8 |
| 2049.9 |
| 1949.6 |
| 1835.7 |
| 1754.6 |
| 1654.2 |
| 1640.7 |
| 1590.5 |
| 1513.3 |
| 1422.6 |
| 1318.4 |
| 1179.4 |
| 1048.1 |
| 1063.6 |
| 739.3  |
| 594.5  |
| 432.4  |
| 156.4  |
| 0.0    |