

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: P953362

Luminaire Tested: **GLAN-SB6D-940-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953362  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-940-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44445 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1  
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

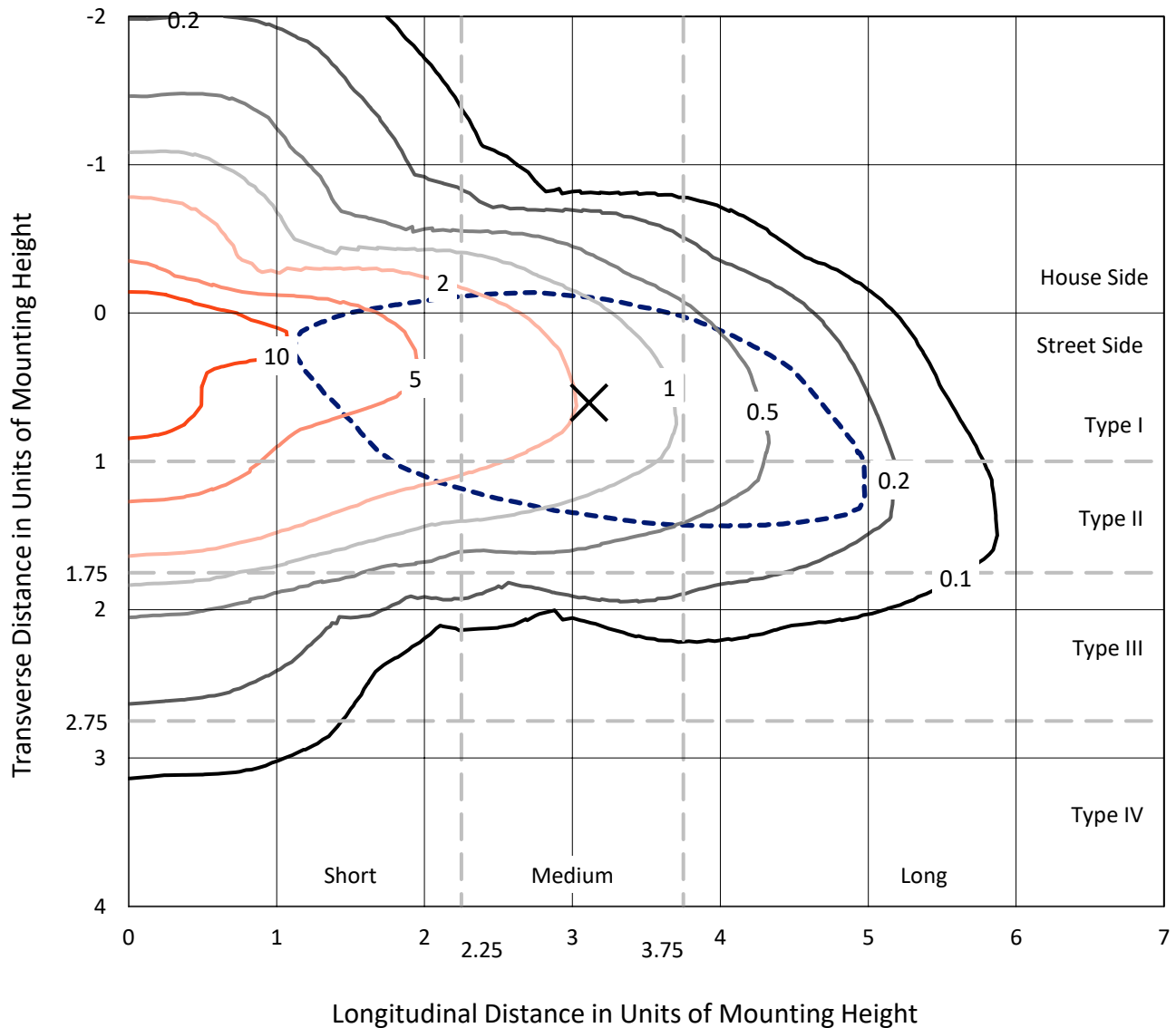


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## Iso-Footcandle Lines of Horizontal Illumination

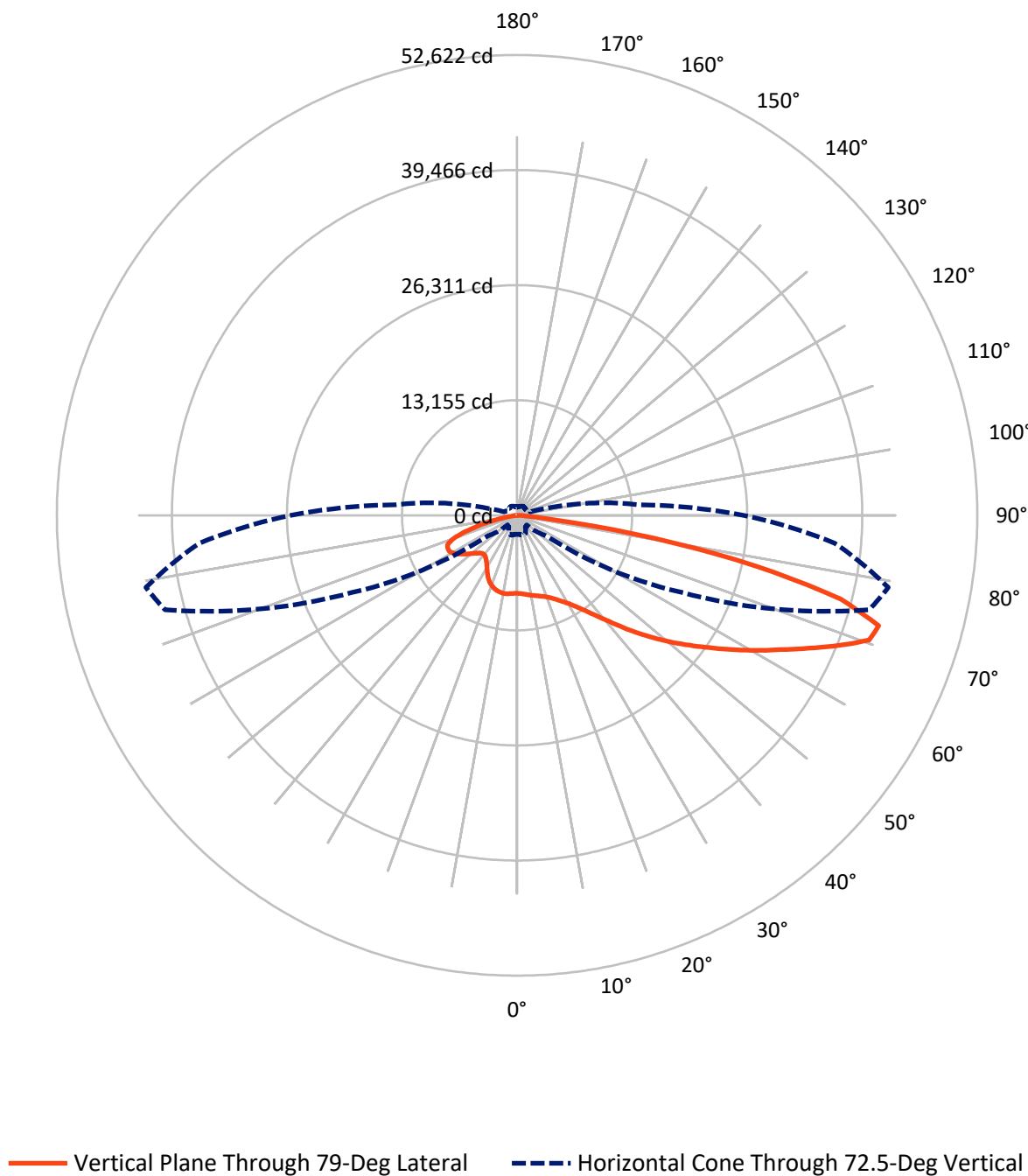
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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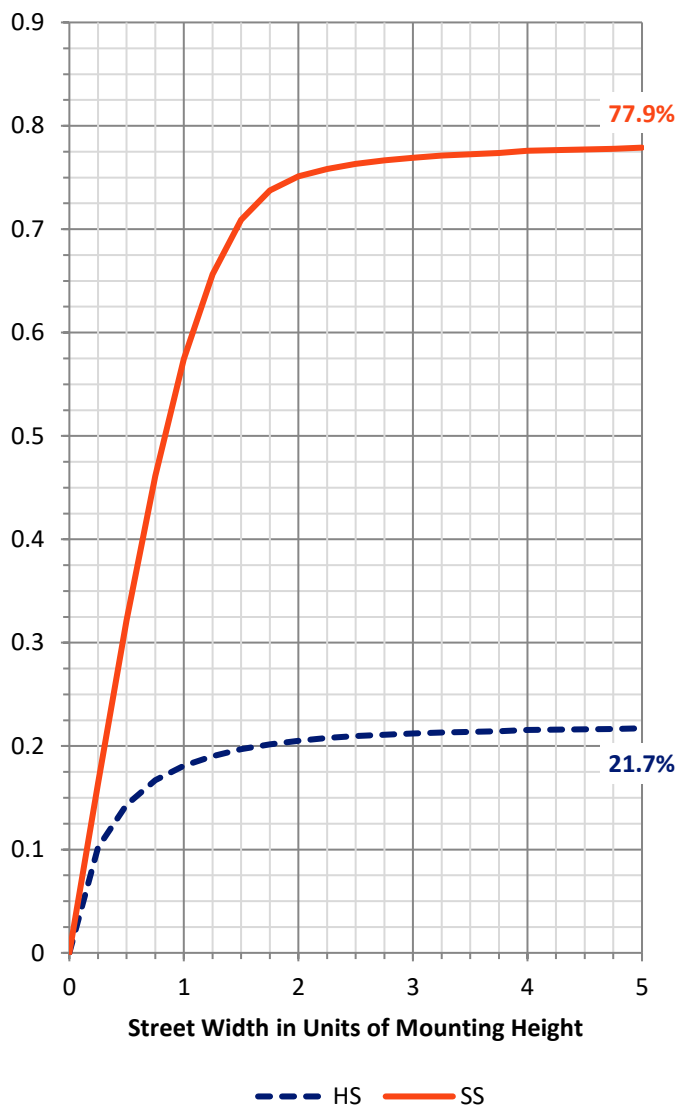
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9780.4   | 0.0    | 9780.4  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 34664.7  | 0.0    | 34664.7 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 44445.0  | 0.0    | 44445.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 809.9   | 1.8       |
| 10°-20°   | 2117.4  | 4.8       |
| 20°-30°   | 3416.5  | 7.7       |
| 30°-40°   | 5127.8  | 11.5      |
| 40°-50°   | 7274.0  | 16.4      |
| 50°-60°   | 9186.1  | 20.7      |
| 60°-70°   | 9329.7  | 21.0      |
| 70°-80°   | 6358.6  | 14.3      |
| 80°-90°   | 825.0   | 1.9       |
| 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°    | 44445.0 | 100.0     |
| 0°-180°   | 44445.0 | 100.0     |

**Coefficient of Utilization**



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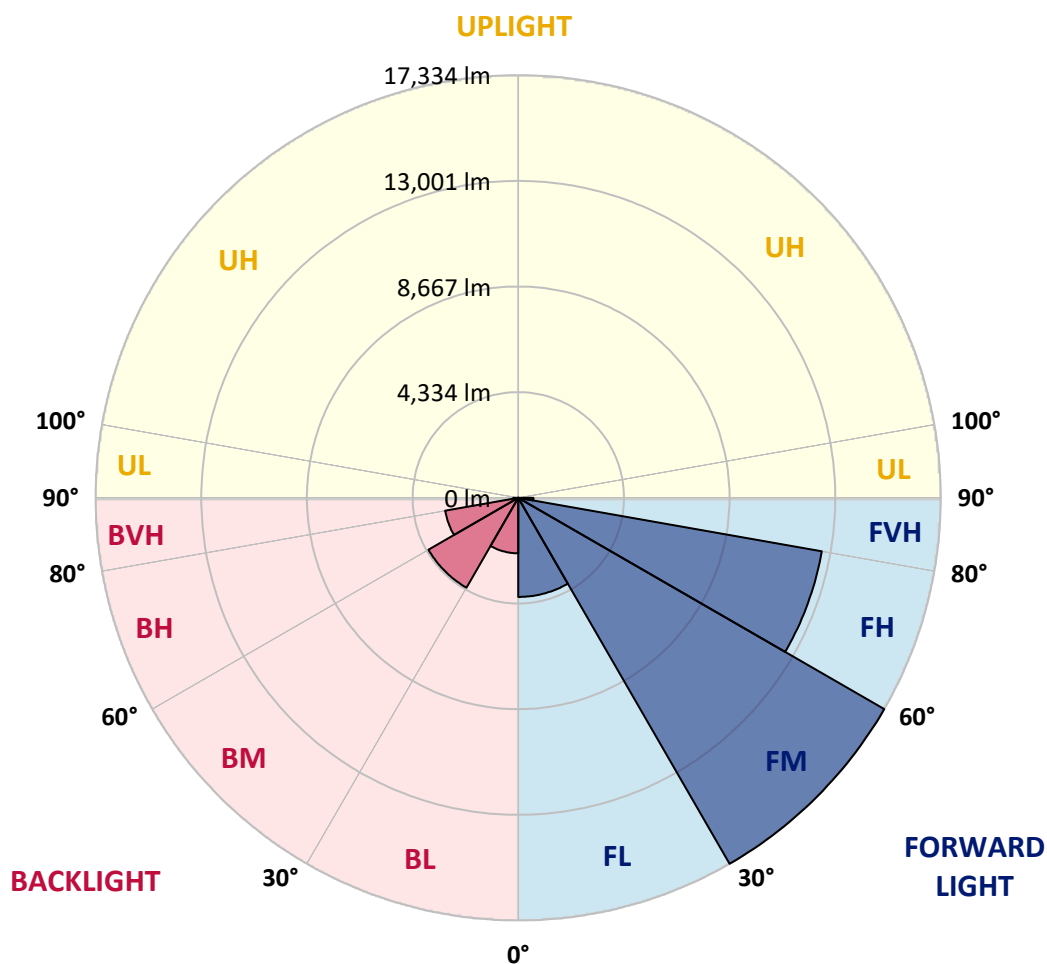
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4065.6  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 17334.5 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 12643.1 | 28.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 621.5   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 2278.1  | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4253.4  | 9.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3045.3  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 203.5   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8921.9  | 8921.9  | 8921.9  | 8921.9  | 8921.9  | 8921.9  | 8921.9  | 8921.9  | 8921.9  | 8921.9  |
| 2.5°  | 8926.6  | 8884.3  | 8910.2  | 8900.8  | 8912.5  | 8926.6  | 8931.3  | 8938.4  | 8961.9  | 8959.5  |
| 5°    | 8907.8  | 8865.5  | 8900.8  | 8889.0  | 8919.6  | 8952.5  | 8980.7  | 9006.5  | 9044.2  | 9060.6  |
| 7.5°  | 8867.8  | 8839.6  | 8874.9  | 8910.2  | 8966.6  | 9015.9  | 9055.9  | 9114.7  | 9168.8  | 9178.2  |
| 10°   | 8635.1  | 8613.9  | 8696.2  | 8787.9  | 8943.1  | 9077.1  | 9164.1  | 9232.2  | 9291.0  | 9300.4  |
| 12.5° | 8392.9  | 8367.1  | 8458.8  | 8583.4  | 8834.9  | 9077.1  | 9260.5  | 9349.8  | 9401.5  | 9432.1  |
| 15°   | 8353.0  | 8331.8  | 8383.5  | 8491.7  | 8700.9  | 9013.6  | 9326.3  | 9490.8  | 9535.5  | 9570.8  |
| 17.5° | 8545.8  | 8505.8  | 8526.9  | 8564.6  | 8686.8  | 8954.8  | 9378.0  | 9650.7  | 9718.9  | 9756.5  |
| 20°   | 8992.4  | 8936.0  | 8903.1  | 8827.9  | 8806.7  | 8964.2  | 9373.3  | 9843.5  | 9932.8  | 9979.8  |
| 22.5° | 9587.2  | 9549.6  | 9479.1  | 9288.7  | 9081.8  | 9079.4  | 9462.6  | 10090.3 | 10257.3 | 10301.9 |
| 25°   | 10306.6 | 10250.2 | 10160.9 | 9902.3  | 9505.0  | 9307.5  | 9613.1  | 10405.4 | 10685.1 | 10696.9 |
| 27.5° | 11134.2 | 11049.5 | 10927.3 | 10586.4 | 10050.4 | 9664.8  | 9843.5  | 10767.4 | 11176.5 | 11171.8 |
| 30°   | 12006.4 | 11921.7 | 11792.4 | 11378.7 | 10703.9 | 10146.8 | 10163.2 | 11157.7 | 11759.5 | 11733.7 |
| 32.5° | 12643.5 | 12580.0 | 12554.2 | 12234.4 | 11456.3 | 10715.7 | 10530.0 | 11590.3 | 12478.9 | 12455.4 |
| 35°   | 13132.5 | 13050.2 | 13080.8 | 12918.6 | 12276.7 | 11352.8 | 10979.0 | 12105.1 | 13353.5 | 13351.1 |
| 37.5° | 13616.8 | 13543.9 | 13569.8 | 13461.6 | 13036.1 | 12161.5 | 11526.8 | 12735.2 | 14437.3 | 14489.0 |
| 40°   | 14058.8 | 13981.2 | 14084.6 | 13983.5 | 13626.2 | 13022.0 | 12149.8 | 13447.5 | 15692.7 | 15791.4 |
| 42.5° | 14324.4 | 14263.3 | 14434.9 | 14437.3 | 14138.7 | 13748.4 | 12833.9 | 14232.7 | 17145.6 | 17366.6 |
| 45°   | 14416.1 | 14395.0 | 14653.6 | 14707.6 | 14592.4 | 14169.3 | 13449.9 | 15088.5 | 18711.3 | 19106.3 |
| 47.5° | 14317.4 | 14277.4 | 14634.8 | 14834.6 | 14926.3 | 14366.7 | 13960.0 | 16014.8 | 20310.0 | 20888.3 |
| 50°   | 13819.0 | 13741.4 | 14272.7 | 14693.5 | 15020.3 | 14496.0 | 14474.9 | 17084.5 | 22127.3 | 22759.7 |
| 52.5° | 12923.3 | 12864.5 | 13468.7 | 14199.8 | 14813.4 | 14559.5 | 15053.2 | 18252.9 | 23852.9 | 24671.0 |
| 55°   | 11778.3 | 11700.8 | 12366.1 | 13320.6 | 14298.6 | 14538.4 | 15631.6 | 19560.0 | 25888.8 | 26718.7 |
| 57.5° | 9963.4  | 9808.2  | 10649.9 | 11778.3 | 13459.3 | 14512.5 | 16233.4 | 20860.1 | 27957.7 | 28952.1 |
| 60°   | 7316.2  | 7085.8  | 8117.9  | 9455.6  | 11818.3 | 14261.0 | 16978.7 | 22317.7 | 30440.3 | 31336.0 |
| 62.5° | 4259.9  | 4125.9  | 4800.7  | 6049.0  | 8907.8  | 12779.8 | 17397.1 | 24012.8 | 32880.6 | 33821.0 |
| 65°   | 3307.8  | 3270.2  | 3329.0  | 3425.4  | 4958.2  | 9568.4  | 16106.5 | 25665.5 | 35983.9 | 36642.1 |
| 67.5° | 3025.7  | 2997.5  | 3023.3  | 2842.3  | 2515.5  | 5329.6  | 12742.2 | 26084.0 | 39308.1 | 39707.8 |
| 70°   | 2689.5  | 2656.6  | 2741.2  | 2586.1  | 1979.5  | 2423.8  | 8233.1  | 24565.2 | 41953.0 | 42702.9 |
| 72.5° | 2191.1  | 2153.5  | 2351.0  | 2280.4  | 1666.8  | 1556.3  | 4135.3  | 20956.5 | 41675.6 | 43231.9 |
| 75°   | 1683.3  | 1662.1  | 1897.2  | 1956.0  | 1358.9  | 1224.9  | 1984.2  | 15577.5 | 36675.0 | 38243.1 |
| 77.5° | 1307.1  | 1290.7  | 1410.6  | 1624.5  | 1095.5  | 949.8   | 1220.2  | 9881.1  | 27637.9 | 27913.0 |
| 80°   | 980.4   | 933.3   | 1043.8  | 1257.8  | 853.4   | 693.5   | 827.5   | 5762.2  | 17470.0 | 15836.1 |
| 82.5° | 613.6   | 590.1   | 681.8   | 839.3   | 601.8   | 477.2   | 538.4   | 3183.2  | 7001.2  | 4123.6  |
| 85°   | 350.3   | 340.9   | 371.5   | 479.6   | 326.8   | 275.1   | 308.0   | 1405.9  | 1278.9  | 879.3   |
| 87.5° | 141.1   | 136.4   | 169.3   | 213.9   | 119.9   | 101.1   | 108.1   | 338.5   | 282.1   | 261.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8921.9  | 0°    | 8921.9  | 8921.9  | 8921.9 | 8921.9 | 8921.9 | 8921.9 | 8921.9 | 8921.9 | 8921.9 | 8921.9 |
| 8957.2  | 2.5°  | 8947.8  | 8947.8  | 8914.9 | 8863.1 | 8804.4 | 8766.7 | 8705.6 | 8689.2 | 8625.7 | 8606.9 |
| 9037.1  | 5°    | 9055.9  | 9037.1  | 8936.0 | 8790.3 | 8590.4 | 8407.0 | 8204.9 | 8077.9 | 7899.2 | 7835.8 |
| 9194.6  | 7.5°  | 9192.3  | 9140.6  | 8966.6 | 8646.8 | 8228.4 | 7817.0 | 7389.1 | 7064.6 | 6754.3 | 6643.8 |
| 9323.9  | 10°   | 9316.9  | 9244.0  | 8947.8 | 8388.2 | 7664.1 | 6951.8 | 6270.0 | 5792.8 | 5430.7 | 5282.6 |
| 9467.3  | 12.5° | 9441.5  | 9307.5  | 8823.2 | 7958.0 | 6862.5 | 5896.2 | 5169.8 | 4798.3 | 4575.0 | 4396.3 |
| 9584.9  | 15°   | 9559.0  | 9370.9  | 8630.4 | 7382.0 | 5983.2 | 5002.9 | 4466.8 | 4170.6 | 3991.9 | 3874.4 |
| 9756.5  | 17.5° | 9695.4  | 9425.0  | 8341.2 | 6650.9 | 5146.3 | 4384.5 | 3947.3 | 3768.6 | 3733.3 | 3719.2 |
| 9991.6  | 20°   | 9885.8  | 9474.4  | 7960.4 | 5832.7 | 4530.3 | 3890.8 | 3665.2 | 3648.7 | 3646.3 | 3639.3 |
| 10273.7 | 22.5° | 10090.3 | 9533.2  | 7457.3 | 5089.8 | 4006.0 | 3582.9 | 3542.9 | 3510.0 | 3488.8 | 3486.5 |
| 10614.6 | 25°   | 10332.5 | 9552.0  | 6827.2 | 4480.9 | 3559.4 | 3437.1 | 3390.1 | 3340.7 | 3326.6 | 3326.6 |
| 11002.5 | 27.5° | 10567.6 | 9488.5  | 6093.7 | 3952.0 | 3307.8 | 3303.1 | 3242.0 | 3225.5 | 3223.2 | 3230.2 |
| 11444.5 | 30°   | 10802.7 | 9368.6  | 5364.9 | 3463.0 | 3162.0 | 3162.0 | 3140.9 | 3152.6 | 3162.0 | 3185.6 |
| 12051.0 | 32.5° | 11120.1 | 9241.6  | 4756.0 | 3100.9 | 3035.1 | 3011.6 | 3032.7 | 3056.3 | 3065.7 | 3096.2 |
| 12848.0 | 35°   | 11585.6 | 9152.3  | 4271.7 | 2903.4 | 2903.4 | 2872.9 | 2884.6 | 2879.9 | 2858.8 | 2844.7 |
| 13811.9 | 37.5° | 12201.5 | 9147.6  | 3872.0 | 2811.8 | 2792.9 | 2788.2 | 2790.6 | 2760.0 | 2677.7 | 2579.0 |
| 14978.0 | 40°   | 12942.1 | 9274.6  | 3564.1 | 2748.3 | 2734.2 | 2762.4 | 2748.3 | 2666.0 | 2440.3 | 2268.7 |
| 16412.1 | 42.5° | 13936.5 | 9636.6  | 3366.6 | 2670.7 | 2713.0 | 2748.3 | 2691.9 | 2407.4 | 2254.6 | 2139.4 |
| 18046.0 | 45°   | 15107.3 | 10224.3 | 3265.5 | 2588.4 | 2673.0 | 2715.4 | 2442.7 | 2318.1 | 2195.8 | 2057.1 |
| 19828.0 | 47.5° | 16433.2 | 10964.9 | 3242.0 | 2510.8 | 2583.7 | 2609.6 | 2336.9 | 2280.4 | 2141.7 | 1991.3 |
| 21619.5 | 50°   | 17876.7 | 11841.8 | 3305.5 | 2419.1 | 2454.4 | 2365.1 | 2301.6 | 2249.9 | 2106.5 | 1958.4 |
| 23455.6 | 52.5° | 19369.6 | 12808.1 | 3432.4 | 2294.5 | 2325.1 | 2226.4 | 2287.5 | 2242.8 | 2085.3 | 1885.5 |
| 25352.8 | 55°   | 20836.6 | 13781.4 | 3554.7 | 2148.8 | 2193.5 | 2101.8 | 2247.5 | 2214.6 | 1988.9 | 1763.2 |
| 27377.0 | 57.5° | 22327.1 | 14750.0 | 3674.6 | 2019.5 | 2066.5 | 1981.9 | 2184.0 | 2139.4 | 1880.8 | 1650.4 |
| 29586.9 | 60°   | 23876.4 | 15690.3 | 3731.0 | 1894.9 | 1927.8 | 1871.4 | 2087.7 | 2010.1 | 1758.5 | 1535.2 |
| 31759.2 | 62.5° | 25326.9 | 16473.2 | 3639.3 | 1770.3 | 1791.4 | 1767.9 | 1960.7 | 1857.3 | 1636.3 | 1405.9 |
| 34023.2 | 65°   | 26782.2 | 16938.7 | 3357.2 | 1648.0 | 1652.7 | 1641.0 | 1782.0 | 1692.7 | 1492.9 | 1293.0 |
| 36005.0 | 67.5° | 28101.1 | 17199.7 | 2908.1 | 1516.4 | 1504.6 | 1499.9 | 1615.1 | 1514.0 | 1354.2 | 1180.2 |
| 37512.0 | 70°   | 28380.8 | 16536.7 | 2221.7 | 1361.2 | 1361.2 | 1349.5 | 1431.7 | 1328.3 | 1201.3 | 1060.3 |
| 36432.9 | 72.5° | 25921.7 | 13910.7 | 1577.5 | 1184.9 | 1203.7 | 1180.2 | 1248.4 | 1161.4 | 1046.2 | 952.1  |
| 31399.5 | 75°   | 20902.4 | 10200.8 | 1147.3 | 1003.9 | 1036.8 | 996.8  | 1060.3 | 999.2  | 900.4  | 898.1  |
| 21638.3 | 77.5° | 14362.0 | 6307.6  | 832.2  | 827.5  | 851.0  | 799.3  | 872.2  | 839.3  | 750.0  | 710.0  |
| 9418.0  | 80°   | 6129.0  | 2515.5  | 606.5  | 639.5  | 639.5  | 592.4  | 677.1  | 686.5  | 608.9  | 590.1  |
| 1817.3  | 82.5° | 1220.2  | 714.7   | 425.5  | 439.6  | 413.8  | 399.7  | 479.6  | 531.3  | 733.5  | 815.8  |
| 547.8   | 85°   | 366.8   | 263.3   | 256.3  | 239.8  | 211.6  | 213.9  | 282.1  | 533.7  | 658.3  | 376.2  |
| 181.0   | 87.5° | 101.1   | 65.8    | 68.2   | 54.1   | 44.7   | 58.8   | 96.4   | 404.4  | 221.0  | 94.0   |
| 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°   |
|--------|
| 8921.9 |
| 8637.4 |
| 7882.8 |
| 6657.9 |
| 5315.5 |
| 4455.1 |
| 3895.5 |
| 3728.6 |
| 3662.8 |
| 3512.3 |
| 3340.7 |
| 3249.0 |
| 3202.0 |
| 3122.1 |
| 2877.6 |
| 2581.4 |
| 2264.0 |
| 2134.7 |
| 2047.7 |
| 1979.5 |
| 1941.9 |
| 1871.4 |
| 1751.5 |
| 1645.7 |
| 1528.1 |
| 1403.5 |
| 1278.9 |
| 1166.1 |
| 1055.6 |
| 923.9  |
| 808.7  |
| 665.3  |
| 590.1  |
| 818.1  |
| 324.4  |
| 79.9   |
| 0.0    |