

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: P947615

Luminaire Tested: **GLAN-SB2D-930-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-930-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11986 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 147.6  
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

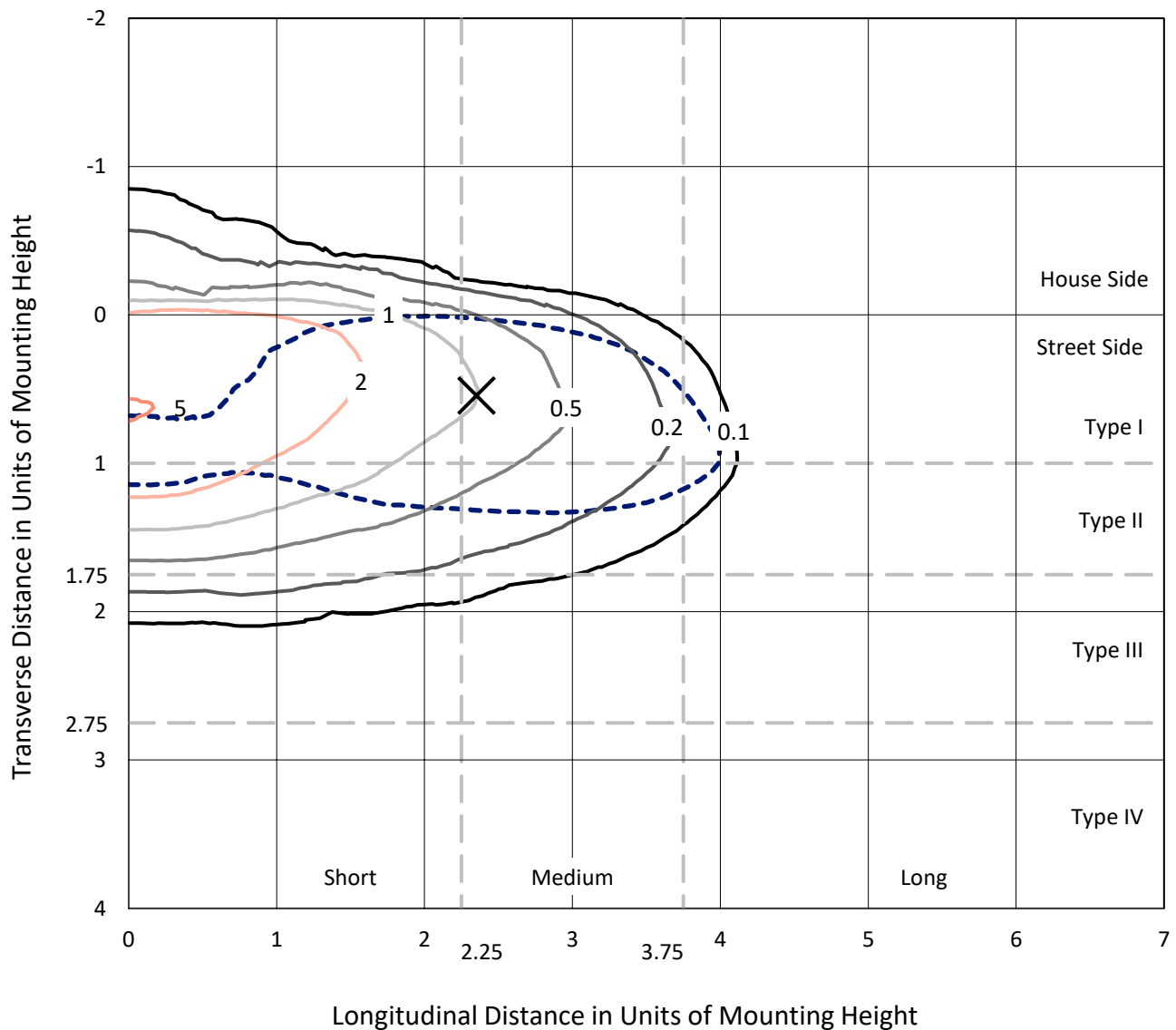


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## Iso-Footcandle Lines of Horizontal Illumination

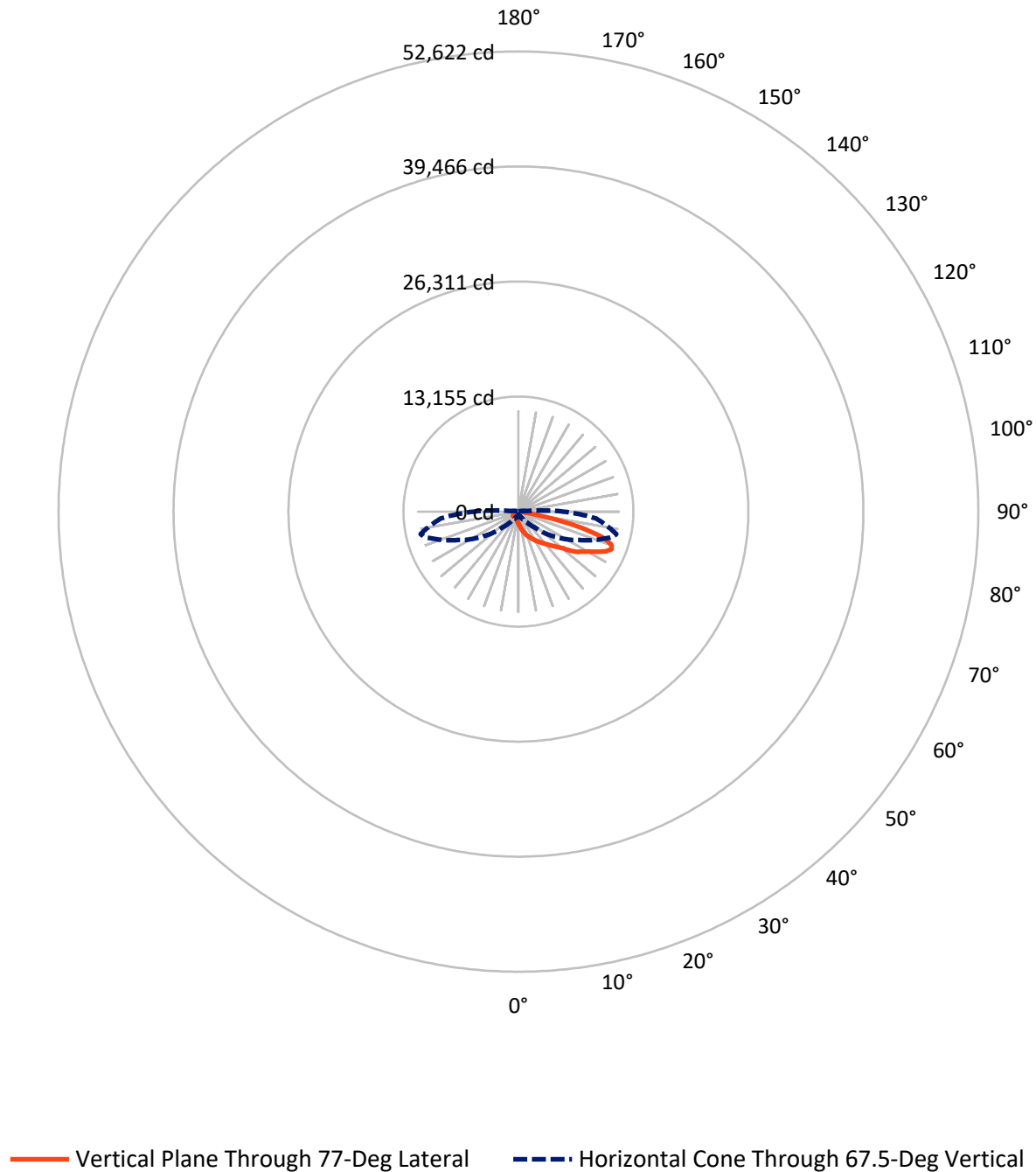
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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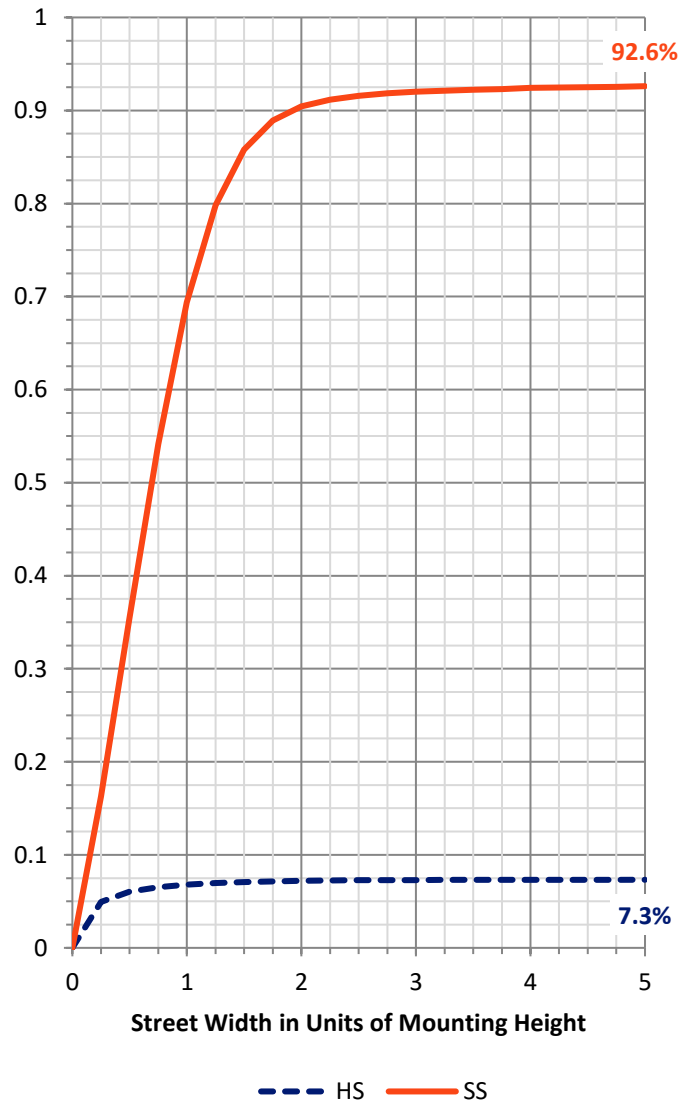
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 881.8    | 0.0    | 881.8   |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 11104.2  | 0.0    | 11104.2 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 11986.0  | 0.0    | 11986.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 141.1   | 1.2       |
| 10°-20°   | 494.0   | 4.1       |
| 20°-30°   | 953.3   | 8.0       |
| 30°-40°   | 1655.0  | 13.8      |
| 40°-50°   | 2403.0  | 20.0      |
| 50°-60°   | 2759.5  | 23.0      |
| 60°-70°   | 2395.8  | 20.0      |
| 70°-80°   | 1128.4  | 9.4       |
| 80°-90°   | 55.8    | 0.5       |
| 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°    | 11986.0 | 100.0     |
| 0°-180°   | 11986.0 | 100.0     |

**Coefficient of Utilization**



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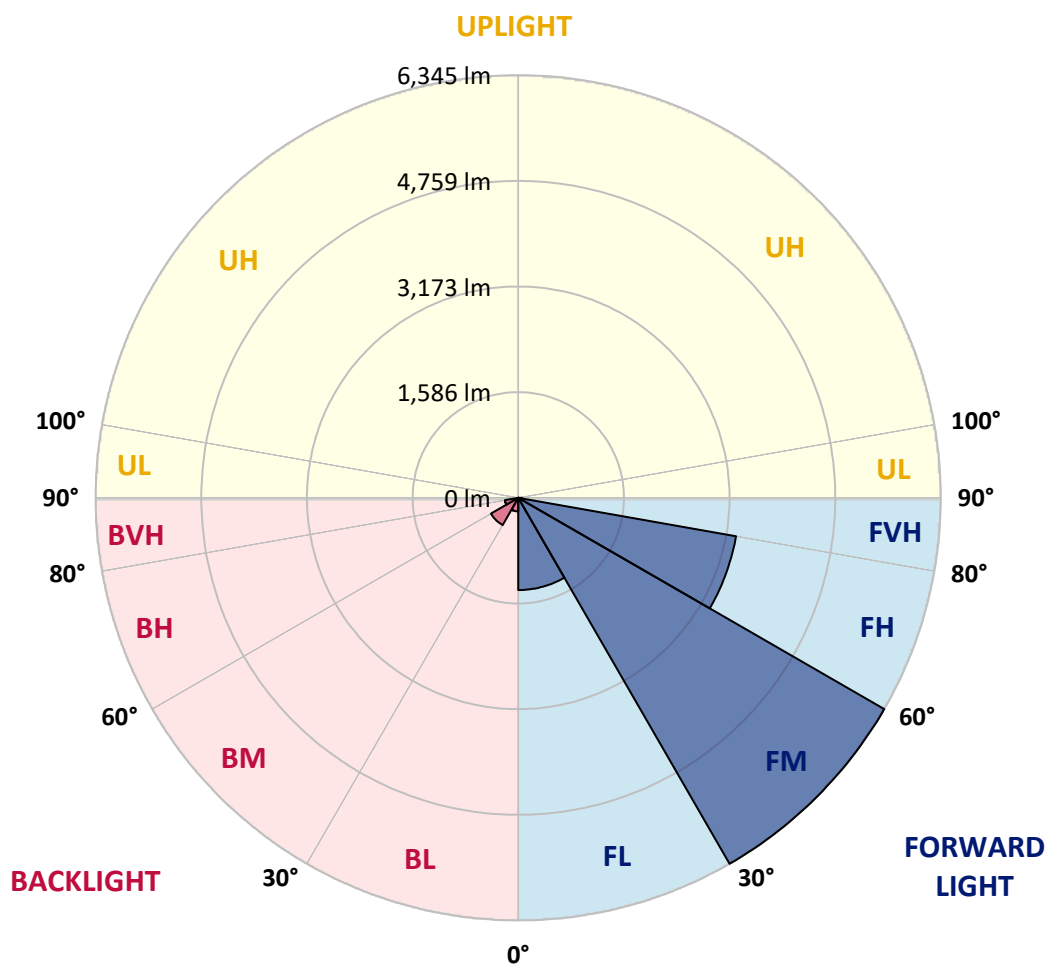
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1384.3 | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 6345.1 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 3320.1 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 54.8   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 204.2  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 472.5  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 204.1  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.0    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 77°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2  | 1382.2  |
| 2.5°  | 1913.6 | 1925.5 | 1908.4 | 1875.6 | 1826.5 | 1794.5 | 1716.4 | 1642.7 | 1560.8  | 1534.7  |
| 5°    | 2332.6 | 2343.1 | 2323.7 | 2288.0 | 2222.5 | 2160.0 | 2057.2 | 1903.2 | 1743.1  | 1691.8  |
| 7.5°  | 2643.0 | 2649.0 | 2641.5 | 2608.8 | 2546.2 | 2475.5 | 2360.9 | 2178.6 | 1941.1  | 1884.6  |
| 10°   | 2866.3 | 2885.6 | 2883.4 | 2870.8 | 2829.1 | 2771.8 | 2649.7 | 2442.0 | 2162.9  | 2090.0  |
| 12.5° | 3014.4 | 3036.0 | 3048.6 | 3076.9 | 3074.7 | 3038.2 | 2931.0 | 2711.5 | 2384.0  | 2298.4  |
| 15°   | 3057.6 | 3080.7 | 3129.0 | 3194.5 | 3252.6 | 3271.2 | 3196.0 | 2975.7 | 2627.4  | 2518.0  |
| 17.5° | 3033.0 | 3068.7 | 3126.8 | 3230.3 | 3357.5 | 3441.6 | 3433.4 | 3231.0 | 2848.4  | 2723.4  |
| 20°   | 3087.3 | 3121.6 | 3167.0 | 3254.1 | 3402.2 | 3554.8 | 3615.8 | 3475.1 | 3068.0  | 2937.0  |
| 22.5° | 3388.0 | 3382.1 | 3386.6 | 3400.7 | 3489.3 | 3640.4 | 3766.1 | 3696.9 | 3285.3  | 3151.4  |
| 25°   | 3864.4 | 3837.6 | 3792.2 | 3715.5 | 3693.2 | 3766.1 | 3897.1 | 3893.4 | 3514.6  | 3370.9  |
| 27.5° | 4410.7 | 4406.2 | 4299.8 | 4115.2 | 4011.0 | 3982.7 | 4045.3 | 4084.7 | 3741.6  | 3588.3  |
| 30°   | 4934.0 | 4945.9 | 4802.2 | 4596.8 | 4405.5 | 4294.6 | 4238.0 | 4266.3 | 3972.3  | 3822.7  |
| 32.5° | 5389.5 | 5402.1 | 5245.8 | 5005.4 | 4768.7 | 4634.7 | 4515.7 | 4445.7 | 4223.9  | 4060.9  |
| 35°   | 5774.3 | 5786.9 | 5607.5 | 5341.8 | 5089.5 | 4968.2 | 4833.5 | 4642.2 | 4477.0  | 4325.1  |
| 37.5° | 6118.1 | 6114.4 | 5874.0 | 5606.1 | 5358.2 | 5262.2 | 5191.5 | 4884.1 | 4737.5  | 4590.8  |
| 40°   | 6321.3 | 6337.0 | 6131.5 | 5836.0 | 5595.6 | 5525.7 | 5521.2 | 5184.0 | 5038.2  | 4896.0  |
| 42.5° | 6380.9 | 6408.4 | 6259.5 | 6016.9 | 5798.8 | 5722.9 | 5839.8 | 5508.6 | 5388.0  | 5249.5  |
| 45°   | 6273.7 | 6300.5 | 6232.8 | 6064.5 | 5937.3 | 5888.1 | 6113.7 | 5845.0 | 5761.6  | 5624.7  |
| 47.5° | 5961.1 | 5994.6 | 6011.0 | 5975.2 | 5973.7 | 6023.6 | 6359.3 | 6199.3 | 6205.2  | 6065.3  |
| 50°   | 5356.0 | 5412.5 | 5562.9 | 5689.4 | 5885.2 | 6130.8 | 6598.2 | 6583.3 | 6705.4  | 6584.8  |
| 52.5° | 4255.9 | 4336.3 | 4854.3 | 5200.4 | 5640.3 | 6110.7 | 6860.9 | 7199.6 | 7582.9  | 7406.5  |
| 55°   | 3420.1 | 3420.1 | 3841.3 | 4488.9 | 5162.5 | 5978.2 | 6975.6 | 7600.0 | 8180.6  | 8138.9  |
| 57.5° | 2788.1 | 2821.6 | 3090.3 | 3662.7 | 4471.0 | 5662.6 | 7046.3 | 7851.6 | 8662.1  | 8631.6  |
| 60°   | 1720.8 | 1793.0 | 2300.6 | 2865.5 | 3684.3 | 5100.7 | 7001.6 | 8106.2 | 9246.4  | 9271.0  |
| 62.5° | 969.1  | 995.9  | 1222.1 | 2061.7 | 2864.8 | 4345.2 | 6660.0 | 8248.3 | 9993.7  | 10097.9 |
| 65°   | 669.1  | 682.5  | 769.6  | 1283.2 | 1985.8 | 3459.5 | 5992.3 | 8159.7 | 10742.5 | 10953.1 |
| 67.5° | 486.0  | 492.7  | 547.1  | 783.7  | 1178.2 | 2508.3 | 4945.9 | 7713.2 | 11139.2 | 11491.2 |
| 70°   | 373.6  | 378.1  | 417.6  | 515.1  | 695.9  | 1548.1 | 3592.0 | 6825.2 | 10851.9 | 11272.4 |
| 72.5° | 303.7  | 308.1  | 338.7  | 381.1  | 461.5  | 915.5  | 2177.1 | 5542.8 | 9583.6  | 10037.6 |
| 75°   | 256.0  | 262.0  | 289.5  | 317.1  | 361.7  | 588.0  | 1021.2 | 3859.9 | 7207.0  | 7504.8  |
| 77.5° | 142.2  | 131.0  | 235.2  | 262.7  | 305.2  | 372.1  | 477.8  | 2271.6 | 4036.3  | 4118.9  |
| 80°   | 88.6   | 91.5   | 186.8  | 211.4  | 234.5  | 187.6  | 218.8  | 874.6  | 1399.3  | 1329.3  |
| 82.5° | 5.2    | 11.9   | 143.6  | 152.6  | 160.8  | 80.4   | 82.6   | 297.0  | 337.2   | 309.6   |
| 85°   | 0.0    | 0.0    | 65.5   | 52.8   | 55.8   | 23.1   | 23.8   | 69.2   | 45.4    | 49.1    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.5    | 0.0    | 2.2    | 4.5    | 6.0    | 2.2     | 3.0     |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1382.2 | 0°    | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 |
| 1452.9 | 2.5°  | 1400.8 | 1348.7 | 1243.0 | 1139.5 | 1055.4 | 977.3  | 921.4  | 868.6  | 841.8  | 840.3  |
| 1546.7 | 5°    | 1443.2 | 1333.8 | 1122.4 | 935.6  | 785.2  | 664.7  | 586.5  | 530.7  | 502.4  | 492.7  |
| 1662.0 | 7.5°  | 1502.7 | 1338.2 | 1016.7 | 757.0  | 579.8  | 476.4  | 431.7  | 413.8  | 407.9  | 401.2  |
| 1792.3 | 10°   | 1577.9 | 1348.7 | 922.2  | 609.6  | 457.0  | 404.9  | 387.0  | 379.6  | 375.1  | 370.7  |
| 1938.9 | 12.5° | 1662.0 | 1358.3 | 828.4  | 506.1  | 401.9  | 375.1  | 362.5  | 353.5  | 347.6  | 342.4  |
| 2089.2 | 15°   | 1743.9 | 1364.3 | 730.9  | 433.9  | 373.6  | 352.1  | 338.7  | 329.0  | 320.8  | 314.8  |
| 2236.6 | 17.5° | 1825.0 | 1372.5 | 639.4  | 390.8  | 350.6  | 329.0  | 315.6  | 303.7  | 297.0  | 290.3  |
| 2391.4 | 20°   | 1915.1 | 1371.0 | 553.0  | 360.2  | 327.5  | 305.9  | 291.8  | 280.6  | 273.9  | 266.5  |
| 2555.2 | 22.5° | 1998.4 | 1363.6 | 477.1  | 334.2  | 303.7  | 282.8  | 267.2  | 256.0  | 249.3  | 243.4  |
| 2722.6 | 25°   | 2094.5 | 1357.6 | 413.8  | 310.4  | 281.3  | 260.5  | 243.4  | 233.0  | 225.5  | 220.3  |
| 2890.9 | 27.5° | 2186.7 | 1348.7 | 367.7  | 288.8  | 259.8  | 239.7  | 223.3  | 211.4  | 204.7  | 201.0  |
| 3064.3 | 30°   | 2277.6 | 1346.4 | 350.6  | 267.9  | 240.4  | 220.3  | 203.9  | 192.8  | 187.6  | 186.1  |
| 3254.8 | 32.5° | 2387.0 | 1352.4 | 358.0  | 260.5  | 222.5  | 202.4  | 186.8  | 178.6  | 173.4  | 173.4  |
| 3466.9 | 35°   | 2503.8 | 1350.9 | 369.2  | 267.2  | 210.6  | 184.6  | 172.7  | 167.5  | 162.3  | 162.3  |
| 3702.1 | 37.5° | 2650.4 | 1353.1 | 378.1  | 278.4  | 206.2  | 169.7  | 163.0  | 156.3  | 153.3  | 153.3  |
| 3959.7 | 40°   | 2869.3 | 1426.8 | 373.6  | 288.0  | 204.7  | 159.3  | 145.9  | 143.6  | 141.4  | 141.4  |
| 4250.7 | 42.5° | 3137.2 | 1586.8 | 379.6  | 288.8  | 203.9  | 151.8  | 134.0  | 138.4  | 133.2  | 132.5  |
| 4578.9 | 45°   | 3430.5 | 1761.8 | 417.6  | 273.2  | 203.2  | 148.1  | 128.0  | 133.2  | 125.0  | 125.0  |
| 4959.3 | 47.5° | 3721.5 | 1935.2 | 456.3  | 250.8  | 201.0  | 147.4  | 122.8  | 119.8  | 117.6  | 118.3  |
| 5455.0 | 50°   | 4122.7 | 2076.6 | 471.1  | 220.3  | 195.8  | 145.9  | 113.1  | 113.9  | 112.4  | 113.9  |
| 6153.9 | 52.5° | 4559.6 | 2106.4 | 453.3  | 186.1  | 180.9  | 141.4  | 106.4  | 109.4  | 108.7  | 110.2  |
| 6645.8 | 55°   | 4832.0 | 2074.4 | 374.4  | 154.8  | 157.8  | 123.6  | 99.7   | 105.7  | 105.7  | 105.7  |
| 7126.7 | 57.5° | 5113.3 | 1938.2 | 265.7  | 125.8  | 131.0  | 101.2  | 93.8   | 102.0  | 101.2  | 100.5  |
| 7705.7 | 60°   | 5315.8 | 1717.8 | 174.9  | 103.5  | 104.2  | 83.4   | 87.1   | 96.0   | 95.3   | 91.5   |
| 8302.6 | 62.5° | 5466.9 | 1474.5 | 112.4  | 87.8   | 79.6   | 75.2   | 79.6   | 87.1   | 84.1   | 75.9   |
| 8808.8 | 65°   | 5449.8 | 1137.3 | 86.3   | 75.2   | 65.5   | 65.5   | 69.2   | 75.9   | 67.0   | 53.6   |
| 8905.5 | 67.5° | 5131.9 | 769.6  | 71.5   | 63.3   | 55.1   | 54.3   | 57.3   | 63.3   | 57.3   | 45.4   |
| 8409.8 | 70°   | 4564.0 | 503.1  | 57.3   | 49.1   | 43.9   | 40.2   | 46.1   | 54.3   | 48.4   | 36.5   |
| 7159.4 | 72.5° | 3704.4 | 306.7  | 43.2   | 35.7   | 32.0   | 26.1   | 36.5   | 44.7   | 38.7   | 26.8   |
| 4978.6 | 75°   | 2396.6 | 156.3  | 29.8   | 23.1   | 17.1   | 15.6   | 26.8   | 33.5   | 26.8   | 16.4   |
| 2209.1 | 77.5° | 917.0  | 65.5   | 16.4   | 10.4   | 8.9    | 7.4    | 14.9   | 20.1   | 11.2   | 3.7    |
| 428.0  | 80°   | 176.4  | 27.5   | 8.2    | 5.2    | 4.5    | 3.0    | 2.2    | 1.5    | 0.0    | 0.0    |
| 75.9   | 82.5° | 30.5   | 8.9    | 3.0    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 14.9   | 85°   | 10.4   | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 5.2    | 87.5° | 3.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 1382.2 |
| 838.8  |
| 491.2  |
| 399.7  |
| 369.2  |
| 340.9  |
| 314.1  |
| 289.5  |
| 265.7  |
| 242.6  |
| 219.6  |
| 201.0  |
| 185.3  |
| 173.4  |
| 162.3  |
| 153.3  |
| 141.4  |
| 131.7  |
| 125.0  |
| 118.3  |
| 113.9  |
| 110.2  |
| 105.7  |
| 100.5  |
| 91.5   |
| 74.4   |
| 52.1   |
| 43.9   |
| 35.0   |
| 25.3   |
| 14.1   |
| 3.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |