

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: P949379

Luminaire Tested: **GLAN-SB4A-927-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949379  
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-SB4A-927-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 350mA 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: 9265 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 114  
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

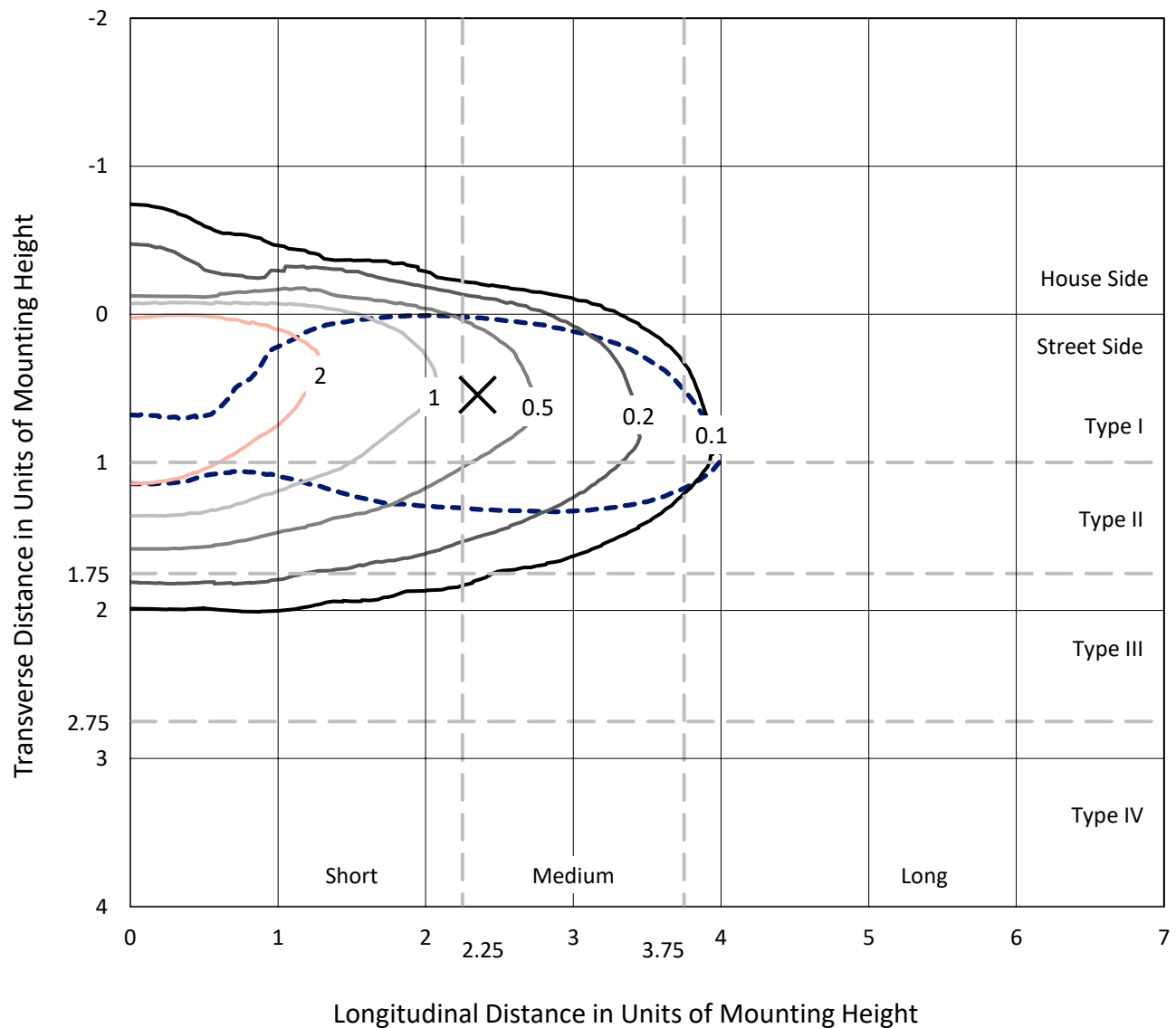


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## Iso-Footcandle Lines of Horizontal Illumination

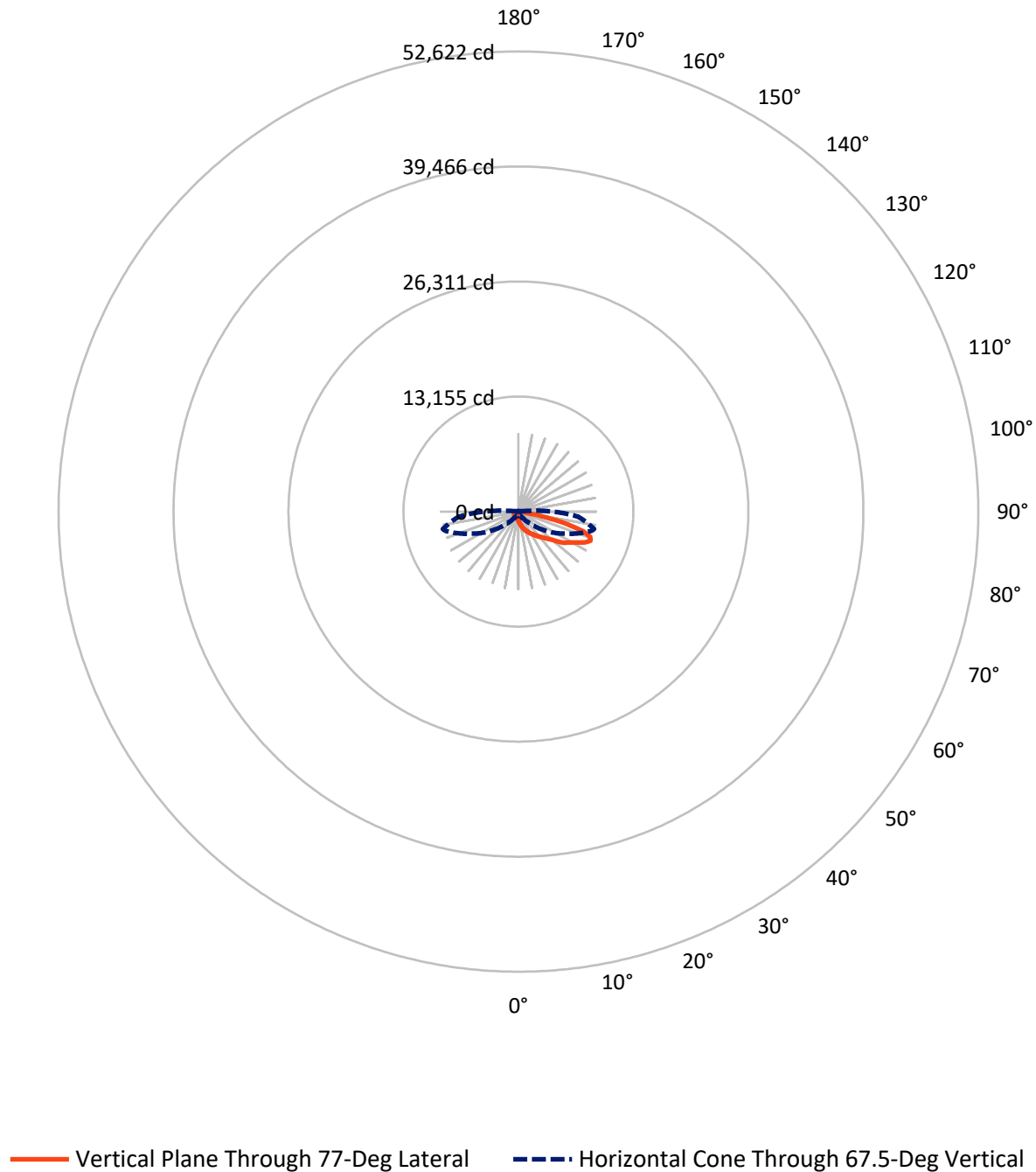
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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    | 681.6    | 0.0    | 681.6  |
|                    | % Fixture | 7.4      | 0.0    | 7.4    |
| <b>Street Side</b> | Lumens    | 8583.4   | 0.0    | 8583.4 |
|                    | % Fixture | 92.6     | 0.0    | 92.6   |
| <b>Total</b>       | Lumens    | 9265.0   | 0.0    | 9265.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 109.0  | 1.2       |
| 10°-20°   | 381.9  | 4.1       |
| 20°-30°   | 736.9  | 8.0       |
| 30°-40°   | 1279.3 | 13.8      |
| 40°-50°   | 1857.5 | 20.0      |
| 50°-60°   | 2133.1 | 23.0      |
| 60°-70°   | 1851.9 | 20.0      |
| 70°-80°   | 872.3  | 9.4       |
| 80°-90°   | 43.1   | 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°    | 9265.0 | 100.0     |
| 0°-180°   | 9265.0 | 100.0     |

**Coefficient of Utilization**



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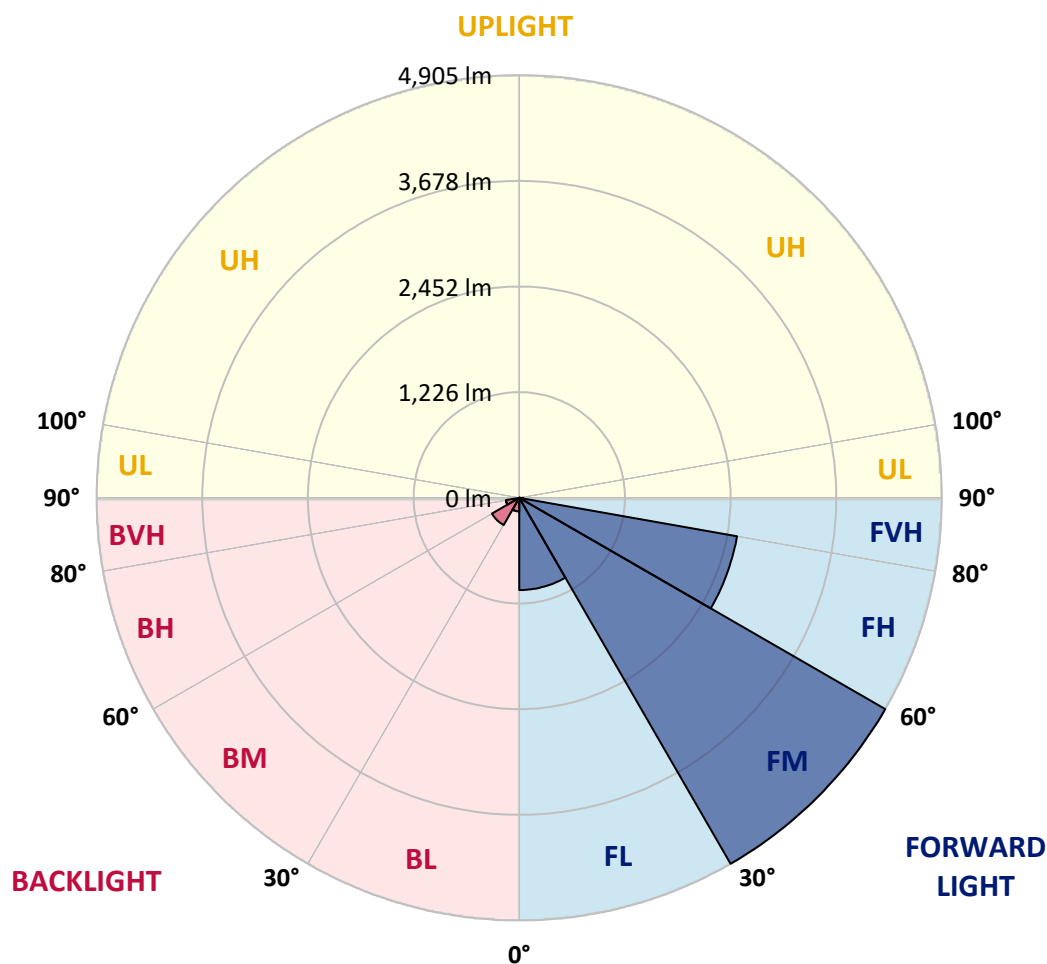
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1070.0 | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 4904.6 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 2566.4 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 42.3   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 157.8  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 365.2  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 157.8  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.8    | 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°    | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 |
| 2.5°  | 1479.2 | 1488.4 | 1475.2 | 1449.8 | 1411.9 | 1387.1 | 1326.7 | 1269.8 | 1206.5 | 1186.3 |
| 5°    | 1803.1 | 1811.1 | 1796.2 | 1768.6 | 1717.9 | 1669.6 | 1590.2 | 1471.1 | 1347.4 | 1307.7 |
| 7.5°  | 2043.0 | 2047.6 | 2041.9 | 2016.5 | 1968.2 | 1913.6 | 1825.0 | 1684.0 | 1500.5 | 1456.7 |
| 10°   | 2215.6 | 2230.6 | 2228.8 | 2219.1 | 2186.8 | 2142.5 | 2048.2 | 1887.7 | 1671.9 | 1615.5 |
| 12.5° | 2330.1 | 2346.8 | 2356.6 | 2378.4 | 2376.7 | 2348.5 | 2265.7 | 2095.9 | 1842.8 | 1776.6 |
| 15°   | 2363.5 | 2381.3 | 2418.7 | 2469.3 | 2514.2 | 2528.6 | 2470.5 | 2300.2 | 2030.9 | 1946.3 |
| 17.5° | 2344.5 | 2372.1 | 2417.0 | 2496.9 | 2595.3 | 2660.3 | 2654.0 | 2497.5 | 2201.8 | 2105.1 |
| 20°   | 2386.5 | 2412.9 | 2448.0 | 2515.3 | 2629.8 | 2747.8 | 2795.0 | 2686.2 | 2371.5 | 2270.3 |
| 22.5° | 2618.9 | 2614.3 | 2617.8 | 2628.7 | 2697.2 | 2813.9 | 2911.2 | 2857.7 | 2539.5 | 2436.0 |
| 25°   | 2987.1 | 2966.4 | 2931.3 | 2872.1 | 2854.8 | 2911.2 | 3012.4 | 3009.6 | 2716.7 | 2605.7 |
| 27.5° | 3409.4 | 3406.0 | 3323.7 | 3181.0 | 3100.5 | 3078.6 | 3126.9 | 3157.4 | 2892.2 | 2773.7 |
| 30°   | 3813.9 | 3823.1 | 3712.0 | 3553.2 | 3405.4 | 3319.7 | 3275.9 | 3297.8 | 3070.5 | 2954.9 |
| 32.5° | 4166.0 | 4175.8 | 4054.9 | 3869.1 | 3686.1 | 3582.6 | 3490.5 | 3436.5 | 3265.0 | 3139.0 |
| 35°   | 4463.4 | 4473.2 | 4334.5 | 4129.2 | 3934.1 | 3840.3 | 3736.2 | 3588.3 | 3460.6 | 3343.3 |
| 37.5° | 4729.2 | 4726.3 | 4540.5 | 4333.4 | 4141.8 | 4067.6 | 4012.9 | 3775.3 | 3662.0 | 3548.6 |
| 40°   | 4886.3 | 4898.4 | 4739.6 | 4511.2 | 4325.3 | 4271.3 | 4267.8 | 4007.2 | 3894.4 | 3784.5 |
| 42.5° | 4932.3 | 4953.6 | 4838.5 | 4651.0 | 4482.4 | 4423.7 | 4514.1 | 4258.0 | 4164.8 | 4057.8 |
| 45°   | 4849.5 | 4870.2 | 4817.8 | 4687.8 | 4589.4 | 4551.4 | 4725.8 | 4518.1 | 4453.6 | 4347.8 |
| 47.5° | 4607.8 | 4633.7 | 4646.4 | 4618.8 | 4617.6 | 4656.2 | 4915.6 | 4791.9 | 4796.5 | 4688.4 |
| 50°   | 4140.1 | 4183.8 | 4300.0 | 4397.8 | 4549.1 | 4739.0 | 5100.3 | 5088.8 | 5183.2 | 5090.0 |
| 52.5° | 3289.7 | 3351.9 | 3752.3 | 4019.8 | 4359.9 | 4723.5 | 5303.4 | 5565.2 | 5861.5 | 5725.1 |
| 55°   | 2643.6 | 2643.6 | 2969.3 | 3469.8 | 3990.5 | 4621.1 | 5392.0 | 5874.7 | 6323.5 | 6291.3 |
| 57.5° | 2155.2 | 2181.1 | 2388.8 | 2831.2 | 3456.0 | 4377.1 | 5446.7 | 6069.2 | 6695.7 | 6672.1 |
| 60°   | 1330.2 | 1386.0 | 1778.3 | 2215.0 | 2847.9 | 3942.7 | 5412.1 | 6265.9 | 7147.3 | 7166.3 |
| 62.5° | 749.1  | 769.8  | 944.7  | 1593.7 | 2214.5 | 3358.8 | 5148.1 | 6375.8 | 7725.0 | 7805.5 |
| 65°   | 517.2  | 527.6  | 594.9  | 991.9  | 1535.0 | 2674.1 | 4632.0 | 6307.4 | 8303.8 | 8466.6 |
| 67.5° | 375.7  | 380.9  | 422.9  | 605.8  | 910.7  | 1938.9 | 3823.1 | 5962.2 | 8610.4 | 8882.5 |
| 70°   | 288.8  | 292.3  | 322.8  | 398.1  | 537.9  | 1196.7 | 2776.6 | 5275.8 | 8388.3 | 8713.4 |
| 72.5° | 234.7  | 238.2  | 261.8  | 294.6  | 356.7  | 707.7  | 1682.8 | 4284.5 | 7408.0 | 7758.9 |
| 75°   | 197.9  | 202.5  | 223.8  | 245.1  | 279.6  | 454.5  | 789.4  | 2983.7 | 5570.9 | 5801.1 |
| 77.5° | 109.9  | 101.3  | 181.8  | 203.1  | 235.9  | 287.7  | 369.4  | 1755.9 | 3120.0 | 3183.9 |
| 80°   | 68.5   | 70.8   | 144.4  | 163.4  | 181.2  | 145.0  | 169.1  | 676.0  | 1081.6 | 1027.5 |
| 82.5° | 4.0    | 9.2    | 111.0  | 117.9  | 124.3  | 62.1   | 63.9   | 229.6  | 260.6  | 239.3  |
| 85°   | 0.0    | 0.0    | 50.6   | 40.8   | 43.1   | 17.8   | 18.4   | 53.5   | 35.1   | 38.0   |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.2    | 0.0    | 1.7    | 3.5    | 4.6    | 1.7    | 2.3    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1068.4 | 0°    | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 | 1068.4 |
| 1123.0 | 2.5°  | 1082.8 | 1042.5 | 960.8  | 880.8  | 815.8  | 755.4  | 712.3  | 671.4  | 650.7  | 649.5  |
| 1195.5 | 5°    | 1115.6 | 1031.0 | 867.6  | 723.2  | 607.0  | 513.8  | 453.4  | 410.2  | 388.3  | 380.9  |
| 1284.7 | 7.5°  | 1161.6 | 1034.4 | 785.9  | 585.1  | 448.2  | 368.2  | 333.7  | 319.9  | 315.3  | 310.1  |
| 1385.4 | 10°   | 1219.7 | 1042.5 | 712.8  | 471.2  | 353.3  | 313.0  | 299.2  | 293.4  | 290.0  | 286.5  |
| 1498.7 | 12.5° | 1284.7 | 1050.0 | 640.3  | 391.2  | 310.7  | 290.0  | 280.2  | 273.3  | 268.7  | 264.7  |
| 1615.0 | 15°   | 1348.0 | 1054.6 | 565.0  | 335.4  | 288.8  | 272.1  | 261.8  | 254.3  | 248.0  | 243.4  |
| 1728.9 | 17.5° | 1410.7 | 1060.9 | 494.2  | 302.0  | 271.0  | 254.3  | 243.9  | 234.7  | 229.6  | 224.4  |
| 1848.5 | 20°   | 1480.3 | 1059.8 | 427.5  | 278.5  | 253.1  | 236.5  | 225.5  | 216.9  | 211.7  | 206.0  |
| 1975.1 | 22.5° | 1544.8 | 1054.0 | 368.8  | 258.3  | 234.7  | 218.6  | 206.5  | 197.9  | 192.7  | 188.1  |
| 2104.6 | 25°   | 1619.0 | 1049.4 | 319.9  | 239.9  | 217.5  | 201.4  | 188.1  | 180.1  | 174.3  | 170.3  |
| 2234.6 | 27.5° | 1690.3 | 1042.5 | 284.2  | 223.2  | 200.8  | 185.3  | 172.6  | 163.4  | 158.2  | 155.3  |
| 2368.6 | 30°   | 1760.5 | 1040.8 | 271.0  | 207.1  | 185.8  | 170.3  | 157.6  | 149.0  | 145.0  | 143.8  |
| 2515.9 | 32.5° | 1845.1 | 1045.4 | 276.7  | 201.4  | 172.0  | 156.5  | 144.4  | 138.1  | 134.1  | 134.1  |
| 2679.9 | 35°   | 1935.4 | 1044.2 | 285.4  | 206.5  | 162.8  | 142.7  | 133.5  | 129.4  | 125.4  | 125.4  |
| 2861.7 | 37.5° | 2048.8 | 1046.0 | 292.3  | 215.2  | 159.4  | 131.2  | 126.0  | 120.8  | 118.5  | 118.5  |
| 3060.8 | 40°   | 2217.9 | 1102.9 | 288.8  | 222.7  | 158.2  | 123.1  | 112.8  | 111.0  | 109.3  | 109.3  |
| 3285.7 | 42.5° | 2425.0 | 1226.6 | 293.4  | 223.2  | 157.6  | 117.4  | 103.6  | 107.0  | 103.0  | 102.4  |
| 3539.4 | 45°   | 2651.7 | 1361.8 | 322.8  | 211.1  | 157.1  | 114.5  | 99.0   | 103.0  | 96.7   | 96.7   |
| 3833.4 | 47.5° | 2876.7 | 1495.9 | 352.7  | 193.9  | 155.3  | 113.9  | 94.9   | 92.6   | 90.9   | 91.5   |
| 4216.6 | 50°   | 3186.8 | 1605.2 | 364.2  | 170.3  | 151.3  | 112.8  | 87.5   | 88.0   | 86.9   | 88.0   |
| 4756.8 | 52.5° | 3524.5 | 1628.2 | 350.4  | 143.8  | 139.8  | 109.3  | 82.3   | 84.6   | 84.0   | 85.1   |
| 5137.1 | 55°   | 3735.1 | 1603.4 | 289.4  | 119.7  | 122.0  | 95.5   | 77.1   | 81.7   | 81.7   | 81.7   |
| 5508.8 | 57.5° | 3952.5 | 1498.2 | 205.4  | 97.2   | 101.3  | 78.2   | 72.5   | 78.8   | 78.2   | 77.7   |
| 5956.4 | 60°   | 4109.0 | 1327.9 | 135.2  | 80.0   | 80.5   | 64.4   | 67.3   | 74.2   | 73.6   | 70.8   |
| 6417.8 | 62.5° | 4225.8 | 1139.7 | 86.9   | 67.9   | 61.6   | 58.1   | 61.6   | 67.3   | 65.0   | 58.7   |
| 6809.0 | 65°   | 4212.6 | 879.1  | 66.7   | 58.1   | 50.6   | 50.6   | 53.5   | 58.7   | 51.8   | 41.4   |
| 6883.8 | 67.5° | 3966.9 | 594.9  | 55.2   | 48.9   | 42.6   | 42.0   | 44.3   | 48.9   | 44.3   | 35.1   |
| 6500.7 | 70°   | 3527.9 | 388.9  | 44.3   | 38.0   | 33.9   | 31.1   | 35.7   | 42.0   | 37.4   | 28.2   |
| 5534.1 | 72.5° | 2863.4 | 237.0  | 33.4   | 27.6   | 24.7   | 20.1   | 28.2   | 34.5   | 29.9   | 20.7   |
| 3848.4 | 75°   | 1852.6 | 120.8  | 23.0   | 17.8   | 13.2   | 12.1   | 20.7   | 25.9   | 20.7   | 12.7   |
| 1707.6 | 77.5° | 708.8  | 50.6   | 12.7   | 8.1    | 6.9    | 5.8    | 11.5   | 15.5   | 8.6    | 2.9    |
| 330.8  | 80°   | 136.4  | 21.3   | 6.3    | 4.0    | 3.5    | 2.3    | 1.7    | 1.2    | 0.0    | 0.0    |
| 58.7   | 82.5° | 23.6   | 6.9    | 2.3    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 11.5   | 85°   | 8.1    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 4.0    | 87.5° | 2.9    | 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°   |
|--------|
| 1068.4 |
| 648.4  |
| 379.7  |
| 309.0  |
| 285.4  |
| 263.5  |
| 242.8  |
| 223.8  |
| 205.4  |
| 187.6  |
| 169.7  |
| 155.3  |
| 143.3  |
| 134.1  |
| 125.4  |
| 118.5  |
| 109.3  |
| 101.8  |
| 96.7   |
| 91.5   |
| 88.0   |
| 85.1   |
| 81.7   |
| 77.7   |
| 70.8   |
| 57.5   |
| 40.3   |
| 33.9   |
| 27.0   |
| 19.6   |
| 10.9   |
| 2.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |