

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: P946063

Luminaire Tested: **GLAN-SB1D-827-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-827-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6765 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 79.6  
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



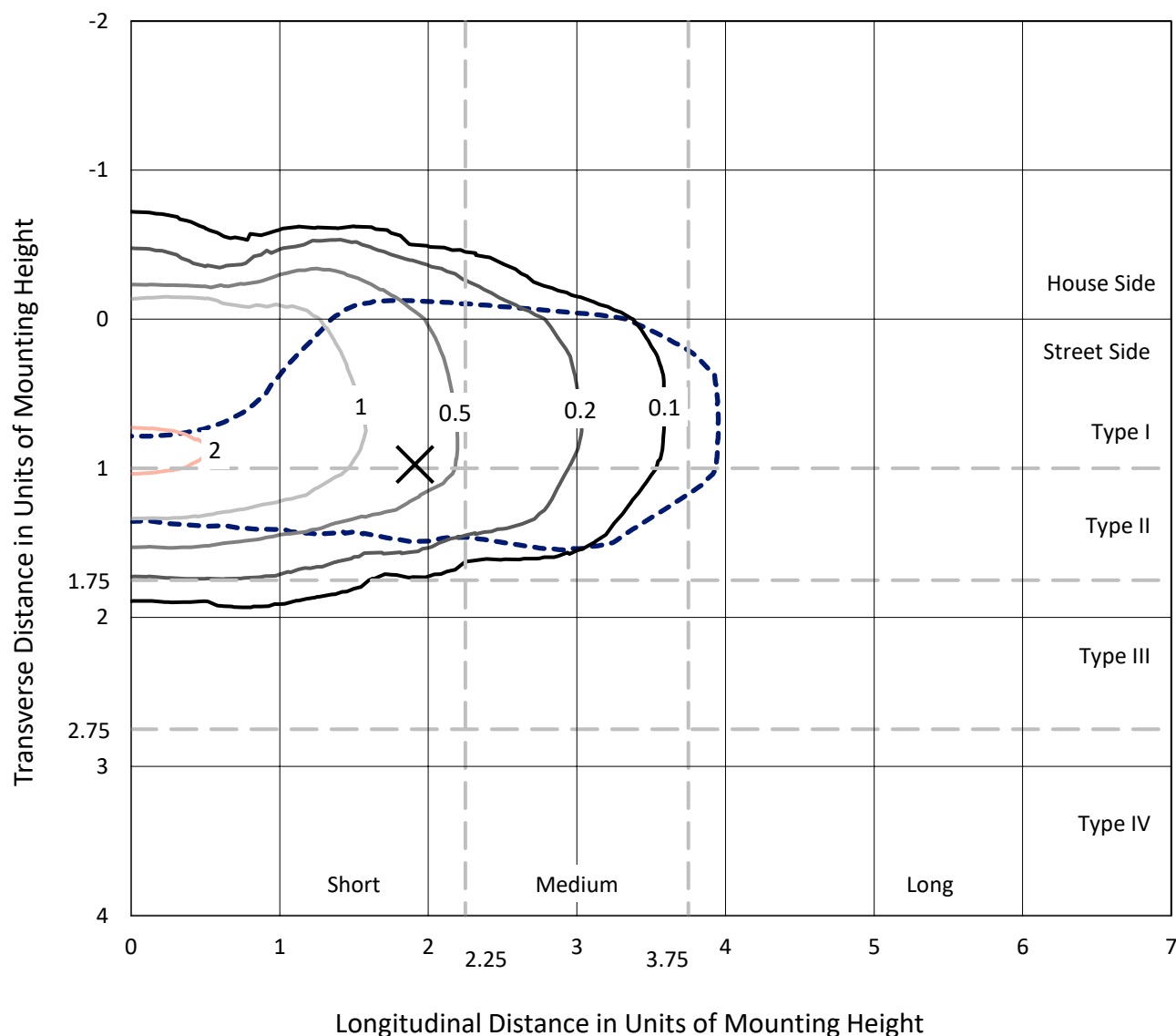
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

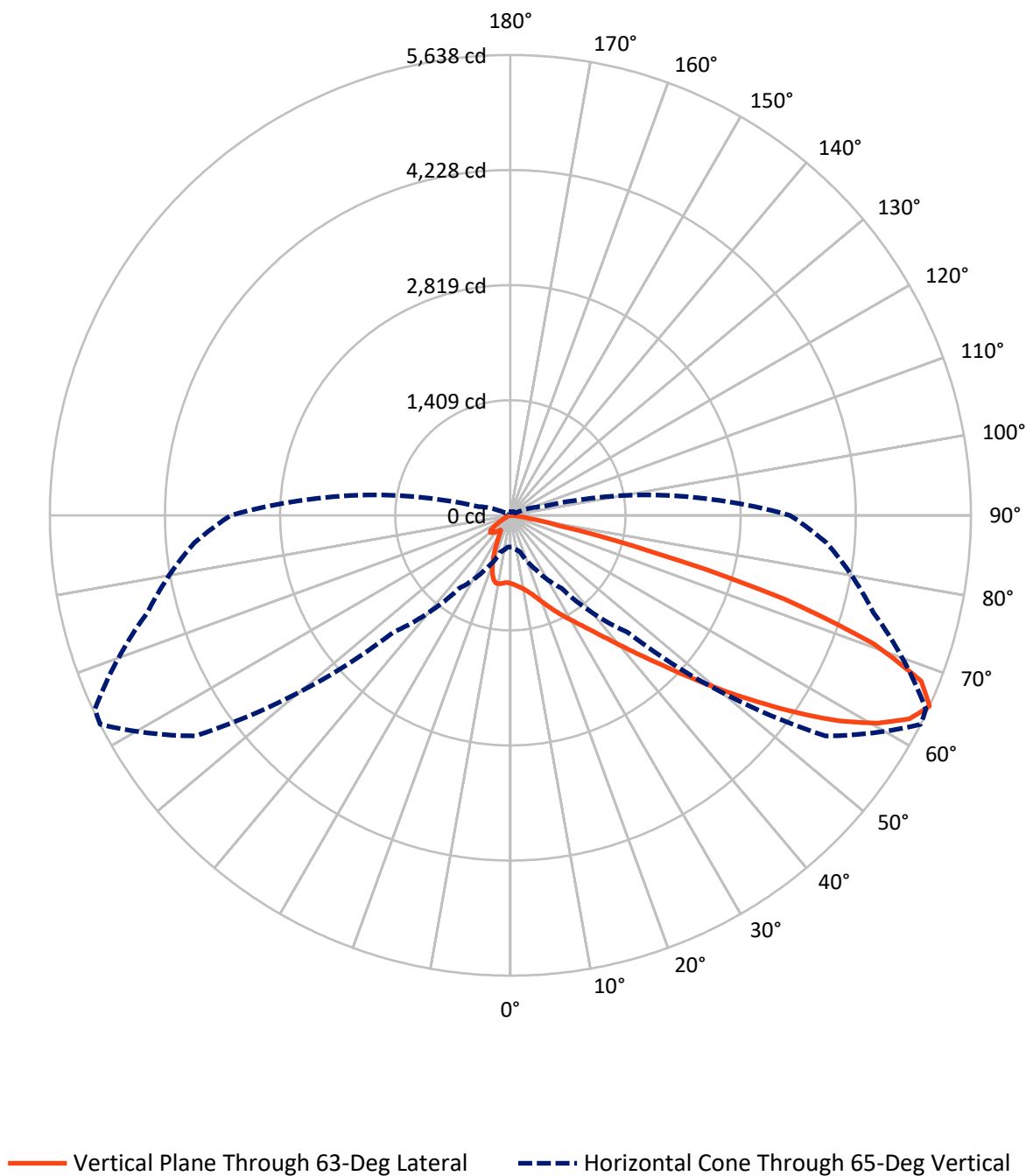


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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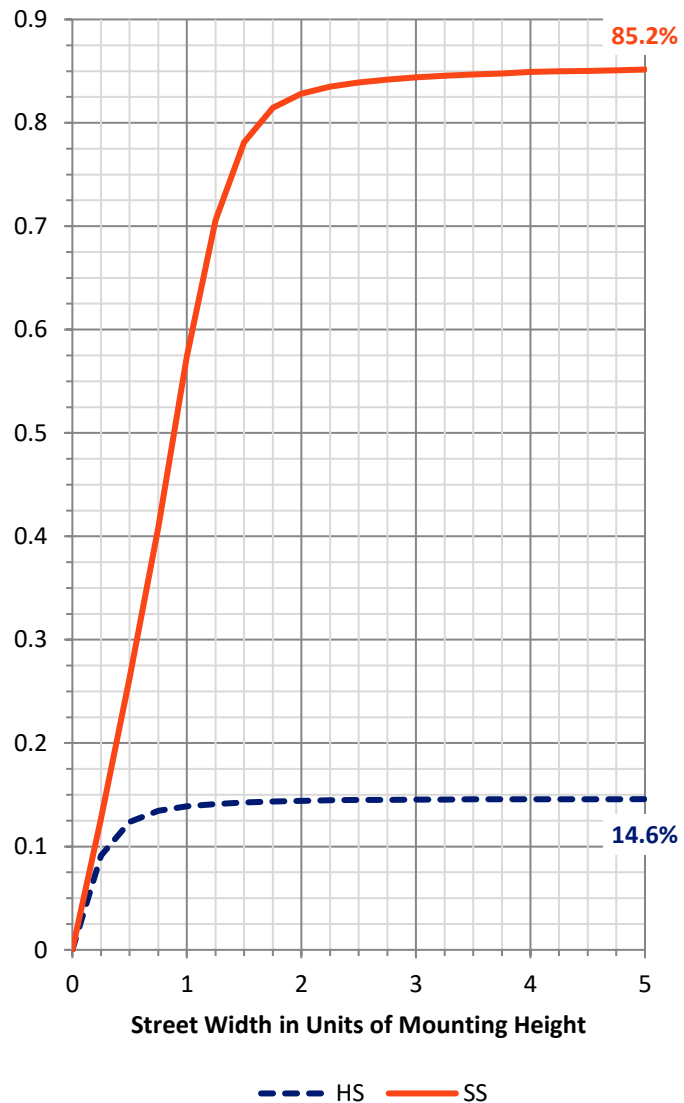
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 994.4    | 0.0    | 994.4  |
|                    | % Fixture | 14.7     | 0.0    | 14.7   |
| <b>Street Side</b> | Lumens    | 5770.6   | 0.0    | 5770.6 |
|                    | % Fixture | 85.3     | 0.0    | 85.3   |
| <b>Total</b>       | Lumens    | 6765.0   | 0.0    | 6765.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.7   | 1.2       |
| 10°-20°   | 218.3  | 3.2       |
| 20°-30°   | 380.1  | 5.6       |
| 30°-40°   | 685.0  | 10.1      |
| 40°-50°   | 1358.6 | 20.1      |
| 50°-60°   | 1850.7 | 27.4      |
| 60°-70°   | 1477.2 | 21.8      |
| 70°-80°   | 668.5  | 9.9       |
| 80°-90°   | 48.1   | 0.7       |
| 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°    | 6765.0 | 100.0     |
| 0°-180°   | 6765.0 | 100.0     |

**Coefficient of Utilization**



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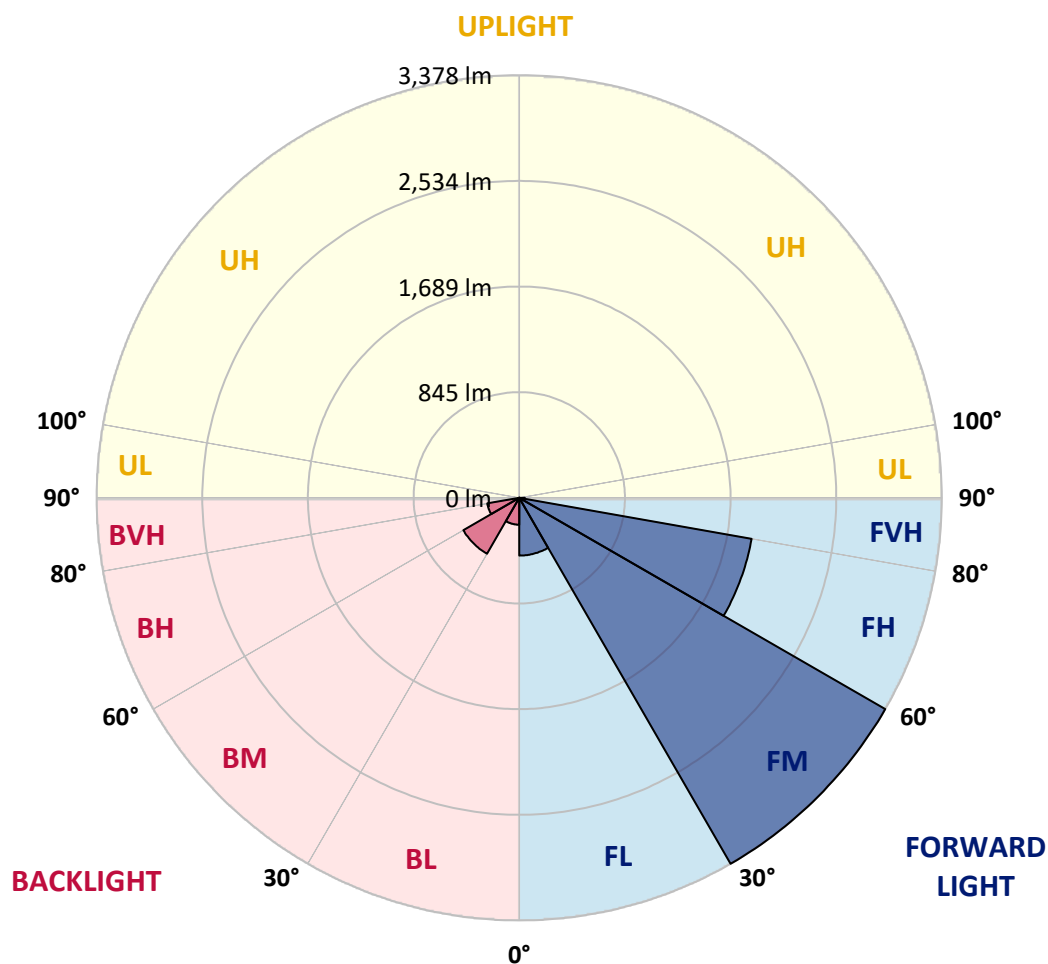
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 461.8  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 3378.3 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 1886.0 | 27.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 44.5   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 215.2  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 516.0  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 259.6  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 3.6    | 0.1       |                         |      | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 834.9  | 834.9  | 834.9  | 834.9  | 834.9  | 834.9  | 834.9  | 834.9  | 834.9  | 834.9  |
| 2.5°  | 854.5  | 852.1  | 855.4  | 854.0  | 853.1  | 851.2  | 850.3  | 849.4  | 847.5  | 846.1  |
| 5°    | 856.8  | 855.4  | 858.7  | 861.5  | 864.2  | 867.0  | 868.4  | 870.3  | 868.4  | 864.7  |
| 7.5°  | 837.3  | 836.3  | 843.3  | 851.7  | 864.2  | 875.0  | 886.6  | 893.1  | 893.6  | 892.2  |
| 10°   | 835.9  | 833.5  | 840.5  | 850.8  | 867.0  | 886.1  | 906.6  | 920.6  | 922.4  | 928.5  |
| 12.5° | 857.7  | 855.4  | 865.2  | 876.3  | 893.1  | 913.1  | 938.2  | 957.8  | 960.6  | 969.0  |
| 15°   | 894.5  | 891.2  | 902.4  | 916.8  | 938.2  | 961.1  | 987.6  | 1005.3 | 1007.6 | 1017.8 |
| 17.5° | 937.3  | 934.1  | 947.1  | 962.4  | 985.7  | 1016.9 | 1047.6 | 1067.2 | 1070.0 | 1076.5 |
| 20°   | 992.2  | 988.0  | 998.3  | 1012.2 | 1036.9 | 1074.1 | 1110.9 | 1138.8 | 1138.4 | 1138.4 |
| 22.5° | 1056.0 | 1049.5 | 1058.3 | 1069.5 | 1092.8 | 1137.9 | 1186.8 | 1219.8 | 1219.8 | 1206.8 |
| 25°   | 1124.4 | 1117.9 | 1127.7 | 1137.9 | 1158.4 | 1209.6 | 1266.8 | 1307.8 | 1309.6 | 1287.3 |
| 27.5° | 1210.0 | 1201.7 | 1209.1 | 1221.2 | 1233.3 | 1285.4 | 1353.4 | 1400.9 | 1401.8 | 1367.3 |
| 30°   | 1374.8 | 1351.1 | 1327.8 | 1314.8 | 1320.3 | 1372.0 | 1444.6 | 1497.2 | 1501.8 | 1454.4 |
| 32.5° | 1676.4 | 1671.7 | 1589.8 | 1482.8 | 1426.9 | 1465.1 | 1546.5 | 1609.8 | 1612.6 | 1551.6 |
| 35°   | 2145.0 | 2139.4 | 2007.7 | 1803.9 | 1621.9 | 1589.8 | 1670.3 | 1745.3 | 1743.4 | 1674.5 |
| 37.5° | 2704.4 | 2699.3 | 2525.7 | 2253.0 | 1958.4 | 1778.3 | 1830.0 | 1908.6 | 1920.2 | 1830.0 |
| 40°   | 3182.4 | 3163.3 | 3053.5 | 2790.5 | 2405.2 | 2091.0 | 2057.1 | 2109.2 | 2121.3 | 2014.3 |
| 42.5° | 3544.5 | 3528.2 | 3472.4 | 3308.1 | 2946.0 | 2553.7 | 2324.7 | 2344.7 | 2358.2 | 2229.7 |
| 45°   | 3732.0 | 3728.3 | 3750.7 | 3735.3 | 3497.0 | 3121.4 | 2707.2 | 2623.9 | 2629.0 | 2468.5 |
| 47.5° | 3758.6 | 3756.7 | 3858.6 | 4002.9 | 3970.8 | 3761.8 | 3198.2 | 2972.0 | 2953.9 | 2738.0 |
| 50°   | 3602.2 | 3598.5 | 3793.9 | 4064.3 | 4287.3 | 4299.8 | 3755.8 | 3364.4 | 3324.4 | 3016.7 |
| 52.5° | 3102.8 | 3101.9 | 3423.0 | 3873.1 | 4398.5 | 4770.8 | 4306.8 | 3795.3 | 3728.3 | 3311.8 |
| 55°   | 2387.5 | 2404.7 | 2772.9 | 3304.8 | 4195.6 | 4997.5 | 4801.5 | 4273.8 | 4170.9 | 3608.7 |
| 57.5° | 1691.3 | 1716.4 | 2080.3 | 2554.1 | 3566.4 | 4863.4 | 5136.2 | 4753.1 | 4642.4 | 3904.7 |
| 60°   | 908.5  | 930.8  | 1295.2 | 1860.7 | 2653.2 | 4363.6 | 5312.5 | 5169.2 | 5064.5 | 4185.8 |
| 62.5° | 541.3  | 548.7  | 699.5  | 1201.2 | 1794.6 | 3333.7 | 5237.6 | 5486.1 | 5400.0 | 4421.8 |
| 65°   | 388.6  | 390.0  | 465.9  | 733.5  | 1089.5 | 2025.4 | 4712.2 | 5637.9 | 5611.3 | 4599.6 |
| 67.5° | 327.2  | 326.2  | 357.9  | 487.3  | 742.3  | 1014.6 | 3611.5 | 5423.3 | 5535.9 | 4712.2 |
| 70°   | 280.6  | 282.0  | 319.3  | 357.0  | 558.0  | 574.3  | 1795.5 | 4722.0 | 4962.1 | 4742.0 |
| 72.5° | 209.0  | 213.6  | 248.1  | 325.3  | 421.2  | 395.1  | 619.9  | 3501.2 | 3935.4 | 4467.8 |
| 75°   | 147.5  | 149.9  | 174.5  | 273.7  | 314.1  | 287.6  | 316.5  | 1809.9 | 2366.6 | 3425.3 |
| 77.5° | 113.6  | 117.7  | 132.2  | 191.3  | 309.5  | 202.0  | 193.6  | 626.4  | 962.4  | 2069.2 |
| 80°   | 61.4   | 68.9   | 95.4   | 138.2  | 217.3  | 142.9  | 95.9   | 249.5  | 326.2  | 967.6  |
| 82.5° | 31.6   | 35.4   | 66.6   | 99.6   | 123.8  | 124.7  | 47.5   | 103.8  | 134.5  | 298.8  |
| 85°   | 12.6   | 15.4   | 44.7   | 54.9   | 63.8   | 61.4   | 21.4   | 41.9   | 48.4   | 82.8   |
| 87.5° | 2.8    | 4.7    | 16.3   | 12.6   | 12.1   | 13.0   | 5.1    | 9.8    | 9.3    | 9.8    |
| 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°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 834.9  | 0°    | 834.9  | 834.9  | 834.9  | 834.9 | 834.9 | 834.9 | 834.9 | 834.9 | 834.9 | 834.9 |
| 840.5  | 2.5°  | 840.0  | 838.2  | 833.1  | 827.5 | 821.0 | 817.2 | 814.9 | 814.5 | 811.2 | 808.9 |
| 859.1  | 5°    | 854.0  | 852.1  | 842.4  | 830.7 | 818.2 | 808.4 | 799.1 | 790.7 | 778.6 | 776.3 |
| 886.1  | 7.5°  | 881.9  | 876.8  | 861.0  | 845.2 | 821.4 | 793.0 | 758.6 | 719.0 | 683.7 | 673.0 |
| 922.0  | 10°   | 916.4  | 909.4  | 889.4  | 861.5 | 808.9 | 731.6 | 648.3 | 571.0 | 509.6 | 492.4 |
| 964.3  | 12.5° | 955.5  | 949.4  | 922.9  | 871.2 | 756.3 | 616.2 | 488.7 | 392.8 | 333.2 | 318.3 |
| 1009.5 | 15°   | 1002.0 | 993.2  | 956.4  | 856.3 | 662.3 | 468.2 | 335.6 | 278.8 | 257.4 | 254.6 |
| 1061.1 | 17.5° | 1051.3 | 1036.9 | 986.2  | 802.8 | 535.7 | 332.8 | 259.2 | 242.9 | 233.6 | 230.8 |
| 1113.2 | 20°   | 1096.5 | 1077.9 | 1003.9 | 721.8 | 400.2 | 259.2 | 232.2 | 221.5 | 213.2 | 209.9 |
| 1165.4 | 22.5° | 1141.6 | 1115.1 | 1003.9 | 611.5 | 300.2 | 229.9 | 213.2 | 203.4 | 193.6 | 189.4 |
| 1221.2 | 25°   | 1188.6 | 1153.3 | 986.2  | 488.7 | 241.5 | 210.8 | 195.0 | 184.3 | 175.9 | 170.8 |
| 1274.3 | 27.5° | 1234.2 | 1185.4 | 945.7  | 372.3 | 215.0 | 194.1 | 178.2 | 168.0 | 160.1 | 156.4 |
| 1332.0 | 30°   | 1277.5 | 1217.0 | 888.9  | 282.5 | 197.8 | 177.8 | 162.9 | 154.0 | 146.1 | 142.4 |
| 1406.9 | 32.5° | 1336.2 | 1257.0 | 828.4  | 231.8 | 182.9 | 162.4 | 148.9 | 140.6 | 133.6 | 130.8 |
| 1504.2 | 35°   | 1417.6 | 1316.2 | 776.3  | 227.6 | 170.3 | 149.9 | 136.4 | 128.5 | 121.5 | 119.1 |
| 1629.8 | 37.5° | 1533.0 | 1411.6 | 748.8  | 255.5 | 160.1 | 138.7 | 126.1 | 117.7 | 111.2 | 109.4 |
| 1789.5 | 40°   | 1675.4 | 1540.9 | 763.7  | 283.4 | 153.1 | 128.9 | 116.8 | 108.4 | 102.9 | 100.5 |
| 1972.8 | 42.5° | 1844.4 | 1700.6 | 846.1  | 304.8 | 148.5 | 120.5 | 108.0 | 98.7  | 94.9  | 94.0  |
| 2180.9 | 45°   | 2038.5 | 1876.0 | 972.2  | 327.6 | 141.0 | 112.6 | 99.1  | 92.1  | 89.4  | 88.9  |
| 2407.1 | 47.5° | 2259.1 | 2068.7 | 1118.4 | 356.0 | 133.6 | 105.2 | 92.1  | 87.5  | 85.2  | 84.2  |
| 2643.0 | 50°   | 2477.8 | 2262.8 | 1268.7 | 371.9 | 127.5 | 98.2  | 86.6  | 82.8  | 81.0  | 80.5  |
| 2892.5 | 52.5° | 2706.8 | 2462.4 | 1390.2 | 357.0 | 122.4 | 92.6  | 81.9  | 79.1  | 77.3  | 76.8  |
| 3122.4 | 55°   | 2925.0 | 2623.9 | 1411.1 | 303.0 | 112.2 | 87.0  | 76.8  | 75.4  | 73.1  | 73.1  |
| 3355.5 | 57.5° | 3113.1 | 2704.9 | 1263.1 | 222.5 | 101.9 | 78.7  | 71.7  | 70.3  | 68.4  | 67.9  |
| 3565.9 | 60°   | 3285.7 | 2681.6 | 975.0  | 149.9 | 90.8  | 70.3  | 65.2  | 64.2  | 62.4  | 60.0  |
| 3748.8 | 62.5° | 3383.0 | 2579.3 | 666.9  | 97.7  | 79.6  | 61.4  | 57.7  | 57.2  | 53.1  | 48.4  |
| 3884.2 | 65°   | 3419.8 | 2368.9 | 416.1  | 71.2  | 66.6  | 52.6  | 49.8  | 48.9  | 42.8  | 37.7  |
| 3961.0 | 67.5° | 3387.7 | 2022.6 | 209.9  | 56.3  | 52.6  | 43.7  | 41.0  | 41.0  | 36.8  | 32.1  |
| 3956.4 | 70°   | 3259.2 | 1516.3 | 88.4   | 45.1  | 40.5  | 33.5  | 33.5  | 35.4  | 31.2  | 26.1  |
| 3751.1 | 72.5° | 2980.4 | 1020.2 | 47.0   | 34.4  | 30.3  | 23.7  | 27.5  | 28.9  | 24.7  | 19.5  |
| 3070.2 | 75°   | 2369.4 | 622.2  | 32.6   | 25.6  | 19.1  | 16.8  | 20.9  | 21.9  | 16.8  | 13.0  |
| 2105.0 | 77.5° | 1620.5 | 357.4  | 21.9   | 16.3  | 12.1  | 9.8   | 14.4  | 13.5  | 8.8   | 6.1   |
| 811.7  | 80°   | 711.6  | 148.9  | 12.6   | 7.4   | 4.7   | 3.7   | 5.1   | 3.7   | 2.8   | 1.9   |
| 111.2  | 82.5° | 83.3   | 34.9   | 4.7    | 2.8   | 1.9   | 0.9   | 0.5   | 0.0   | 0.0   | 0.0   |
| 34.0   | 85°   | 17.2   | 4.2    | 2.3    | 0.9   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 6.1    | 87.5° | 3.3    | 0.9    | 0.5    | 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°  |
|-------|
| 834.9 |
| 811.2 |
| 775.4 |
| 667.8 |
| 485.9 |
| 314.1 |
| 251.8 |
| 229.4 |
| 208.0 |
| 187.1 |
| 168.9 |
| 156.4 |
| 142.9 |
| 130.8 |
| 119.1 |
| 108.9 |
| 100.1 |
| 94.0  |
| 88.4  |
| 84.2  |
| 80.5  |
| 76.8  |
| 72.6  |
| 67.5  |
| 59.6  |
| 47.5  |
| 37.2  |
| 31.6  |
| 25.6  |
| 19.5  |
| 12.6  |
| 6.5   |
| 1.9   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |