

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: P946231

Luminaire Tested: **GLAN-SB1D-940-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946231  
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-940-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 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: 5637 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

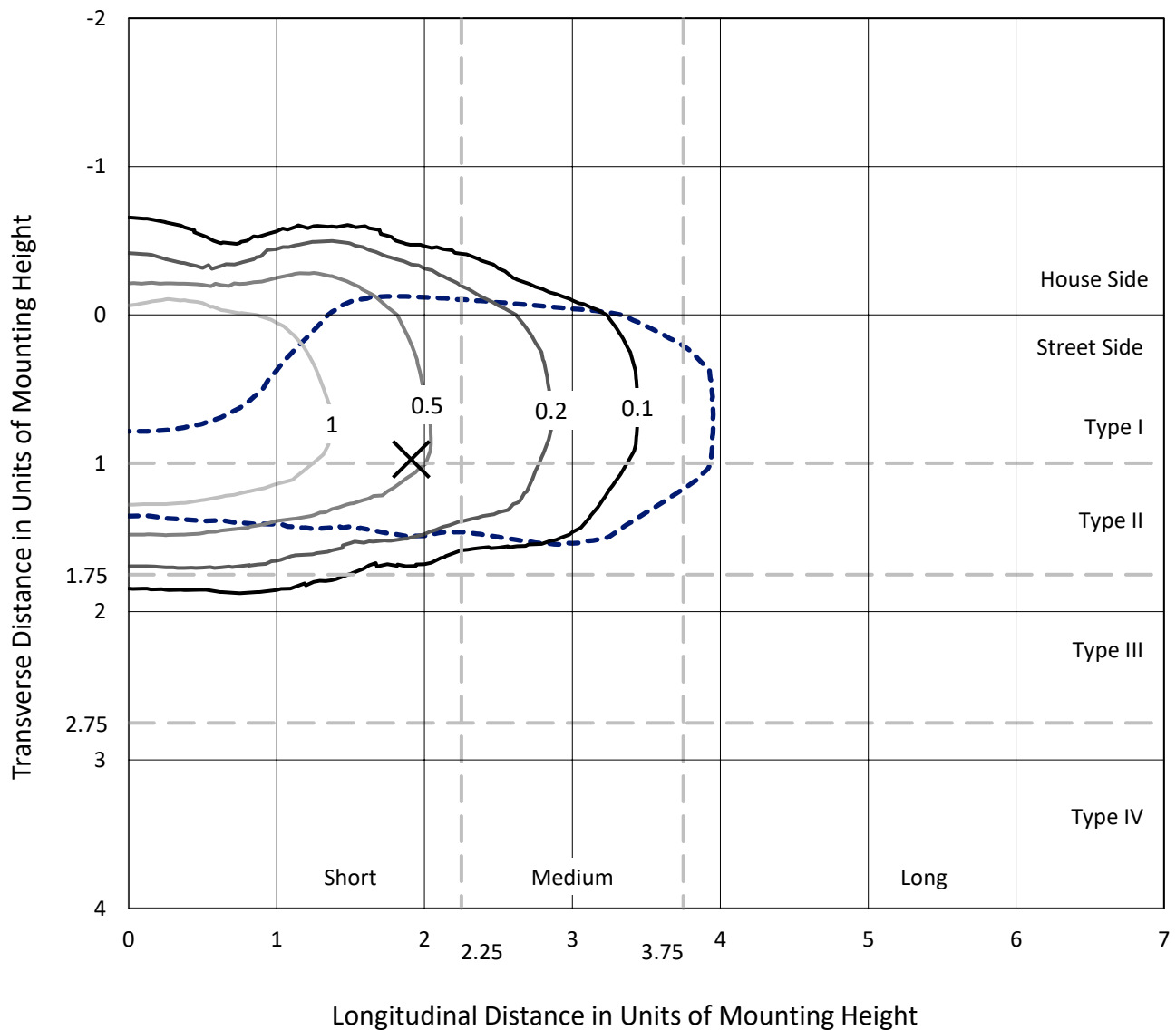
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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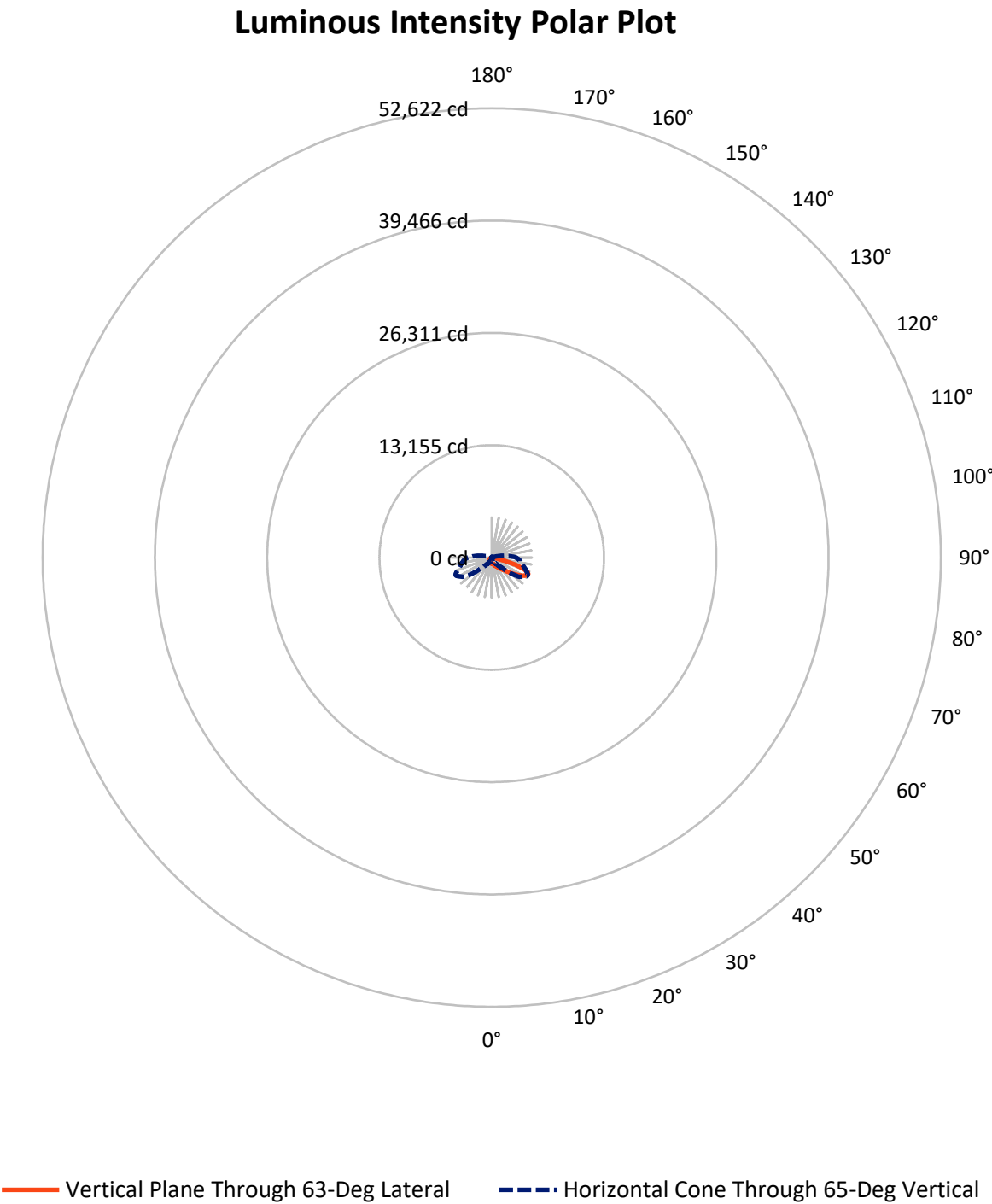
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 828.6    | 0.0    | 828.6  |
|                    | % Fixture | 14.7     | 0.0    | 14.7   |
| <b>Street Side</b> | Lumens    | 4808.4   | 0.0    | 4808.4 |
|                    | % Fixture | 85.3     | 0.0    | 85.3   |
| <b>Total</b>       | Lumens    | 5637.0   | 0.0    | 5637.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 65.5   | 1.2       |
| 10°-20°   | 181.9  | 3.2       |
| 20°-30°   | 316.7  | 5.6       |
| 30°-40°   | 570.8  | 10.1      |
| 40°-50°   | 1132.1 | 20.1      |
| 50°-60°   | 1542.1 | 27.4      |
| 60°-70°   | 1230.9 | 21.8      |
| 70°-80°   | 557.0  | 9.9       |
| 80°-90°   | 40.0   | 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°    | 5637.0 | 100.0     |
| 0°-180°   | 5637.0 | 100.0     |

**Coefficient of Utilization**



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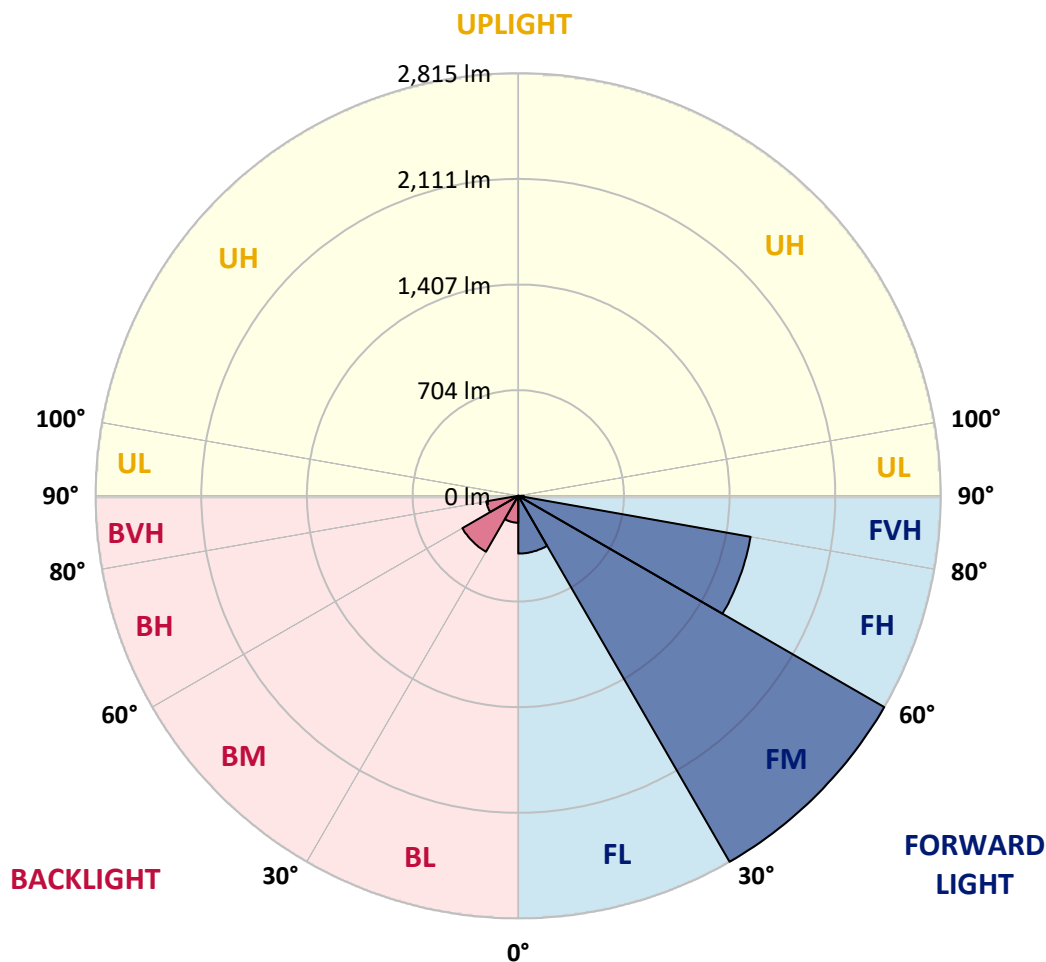
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 384.8  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 2815.0 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 1571.6 | 27.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 37.1   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 179.3  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 430.0  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 216.3  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 3.0    | 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-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 695.7  | 695.7  | 695.7  | 695.7  | 695.7  | 695.7  | 695.7  | 695.7  | 695.7  | 695.7  |
| 2.5°  | 712.0  | 710.1  | 712.8  | 711.6  | 710.8  | 709.3  | 708.5  | 707.7  | 706.2  | 705.0  |
| 5°    | 713.9  | 712.8  | 715.5  | 717.8  | 720.1  | 722.5  | 723.6  | 725.2  | 723.6  | 720.5  |
| 7.5°  | 697.7  | 696.9  | 702.7  | 709.7  | 720.1  | 729.1  | 738.8  | 744.2  | 744.6  | 743.4  |
| 10°   | 696.5  | 694.5  | 700.4  | 708.9  | 722.5  | 738.4  | 755.4  | 767.1  | 768.6  | 773.7  |
| 12.5° | 714.7  | 712.8  | 720.9  | 730.2  | 744.2  | 760.9  | 781.8  | 798.1  | 800.4  | 807.4  |
| 15°   | 745.4  | 742.6  | 751.9  | 764.0  | 781.8  | 800.8  | 822.9  | 837.6  | 839.6  | 848.1  |
| 17.5° | 781.0  | 778.3  | 789.2  | 802.0  | 821.4  | 847.3  | 872.9  | 889.2  | 891.6  | 897.0  |
| 20°   | 826.8  | 823.3  | 831.8  | 843.5  | 864.0  | 895.0  | 925.7  | 948.9  | 948.6  | 948.6  |
| 22.5° | 879.9  | 874.5  | 881.9  | 891.2  | 910.6  | 948.2  | 988.9  | 1016.4 | 1016.4 | 1005.6 |
| 25°   | 936.9  | 931.5  | 939.6  | 948.2  | 965.2  | 1007.9 | 1055.6 | 1089.7 | 1091.3 | 1072.7 |
| 27.5° | 1008.3 | 1001.3 | 1007.5 | 1017.6 | 1027.7 | 1071.1 | 1127.7 | 1167.3 | 1168.1 | 1139.4 |
| 30°   | 1145.6 | 1125.8 | 1106.4 | 1095.5 | 1100.2 | 1143.2 | 1203.7 | 1247.6 | 1251.4 | 1211.9 |
| 32.5° | 1396.9 | 1393.0 | 1324.7 | 1235.5 | 1189.0 | 1220.8 | 1288.7 | 1341.4 | 1343.7 | 1292.9 |
| 35°   | 1787.4 | 1782.7 | 1673.0 | 1503.1 | 1351.5 | 1324.7 | 1391.8 | 1454.2 | 1452.7 | 1395.3 |
| 37.5° | 2253.5 | 2249.2 | 2104.6 | 1877.3 | 1631.9 | 1481.8 | 1524.8 | 1590.4 | 1600.1 | 1524.8 |
| 40°   | 2651.8 | 2635.9 | 2544.4 | 2325.2 | 2004.1 | 1742.4 | 1714.1 | 1757.5 | 1767.6 | 1678.4 |
| 42.5° | 2953.5 | 2939.9 | 2893.4 | 2756.5 | 2454.8 | 2127.9 | 1937.1 | 1953.7 | 1965.0 | 1857.9 |
| 45°   | 3109.8 | 3106.7 | 3125.3 | 3112.5 | 2913.9 | 2601.0 | 2255.8 | 2186.4 | 2190.7 | 2056.9 |
| 47.5° | 3131.9 | 3130.3 | 3215.2 | 3335.5 | 3308.7 | 3134.6 | 2665.0 | 2476.5 | 2461.4 | 2281.4 |
| 50°   | 3001.6 | 2998.5 | 3161.3 | 3386.7 | 3572.4 | 3582.9 | 3129.5 | 2803.4 | 2770.1 | 2513.7 |
| 52.5° | 2585.5 | 2584.7 | 2852.3 | 3227.3 | 3665.1 | 3975.3 | 3588.7 | 3162.5 | 3106.7 | 2759.6 |
| 55°   | 1989.4 | 2003.8 | 2310.5 | 2753.8 | 3496.0 | 4164.2 | 4000.9 | 3561.2 | 3475.5 | 3007.0 |
| 57.5° | 1409.3 | 1430.2 | 1733.5 | 2128.2 | 2971.7 | 4052.5 | 4279.8 | 3960.6 | 3868.3 | 3253.6 |
| 60°   | 757.0  | 775.6  | 1079.2 | 1550.4 | 2210.8 | 3636.0 | 4426.7 | 4307.3 | 4220.0 | 3487.9 |
| 62.5° | 451.0  | 457.2  | 582.9  | 1000.9 | 1495.4 | 2777.8 | 4364.3 | 4571.4 | 4499.6 | 3684.5 |
| 65°   | 323.8  | 325.0  | 388.2  | 611.2  | 907.8  | 1687.7 | 3926.5 | 4697.8 | 4675.7 | 3832.6 |
| 67.5° | 272.6  | 271.8  | 298.2  | 406.0  | 618.5  | 845.4  | 3009.3 | 4519.0 | 4612.9 | 3926.5 |
| 70°   | 233.8  | 235.0  | 266.0  | 297.4  | 465.0  | 478.5  | 1496.1 | 3934.6 | 4134.7 | 3951.3 |
| 72.5° | 174.1  | 178.0  | 206.7  | 271.1  | 351.0  | 329.2  | 516.5  | 2917.4 | 3279.2 | 3722.9 |
| 75°   | 122.9  | 124.9  | 145.4  | 228.0  | 261.8  | 239.7  | 263.7  | 1508.2 | 1972.0 | 2854.2 |
| 77.5° | 94.6   | 98.1   | 110.1  | 159.4  | 257.9  | 168.3  | 161.3  | 522.0  | 802.0  | 1724.2 |
| 80°   | 51.2   | 57.4   | 79.5   | 115.2  | 181.1  | 119.1  | 79.9   | 207.9  | 271.8  | 806.2  |
| 82.5° | 26.4   | 29.5   | 55.5   | 83.0   | 103.2  | 103.9  | 39.6   | 86.5   | 112.1  | 249.0  |
| 85°   | 10.5   | 12.8   | 37.2   | 45.8   | 53.1   | 51.2   | 17.8   | 34.9   | 40.3   | 69.0   |
| 87.5° | 2.3    | 3.9    | 13.6   | 10.5   | 10.1   | 10.9   | 4.3    | 8.1    | 7.8    | 8.1    |
| 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°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 695.7  | 0°    | 695.7  | 695.7  | 695.7  | 695.7 | 695.7 | 695.7 | 695.7 | 695.7 | 695.7 | 695.7 |
| 700.4  | 2.5°  | 700.0  | 698.4  | 694.2  | 689.5 | 684.1 | 681.0 | 679.0 | 678.6 | 675.9 | 674.0 |
| 715.9  | 5°    | 711.6  | 710.1  | 701.9  | 692.2 | 681.8 | 673.6 | 665.9 | 658.9 | 648.8 | 646.8 |
| 738.4  | 7.5°  | 734.9  | 730.6  | 717.4  | 704.2 | 684.5 | 660.8 | 632.1 | 599.2 | 569.7 | 560.8 |
| 768.2  | 10°   | 763.6  | 757.8  | 741.1  | 717.8 | 674.0 | 609.6 | 540.2 | 475.8 | 424.6 | 410.3 |
| 803.5  | 12.5° | 796.2  | 791.1  | 769.0  | 726.0 | 630.2 | 513.4 | 407.2 | 327.3 | 277.7 | 265.3 |
| 841.1  | 15°   | 834.9  | 827.6  | 796.9  | 713.6 | 551.8 | 390.1 | 279.6 | 232.3 | 214.5 | 212.1 |
| 884.2  | 17.5° | 876.0  | 864.0  | 821.7  | 669.0 | 446.4 | 277.3 | 216.0 | 202.4 | 194.7 | 192.3 |
| 927.6  | 20°   | 913.7  | 898.1  | 836.5  | 601.5 | 333.5 | 216.0 | 193.5 | 184.6 | 177.6 | 174.9 |
| 971.0  | 22.5° | 951.3  | 929.2  | 836.5  | 509.6 | 250.1 | 191.6 | 177.6 | 169.5 | 161.3 | 157.8 |
| 1017.6 | 25°   | 990.4  | 961.0  | 821.7  | 407.2 | 201.3 | 175.7 | 162.5 | 153.6 | 146.6 | 142.3 |
| 1061.8 | 27.5° | 1028.4 | 987.7  | 788.0  | 310.2 | 179.2 | 161.7 | 148.5 | 140.0 | 133.4 | 130.3 |
| 1109.9 | 30°   | 1064.5 | 1014.1 | 740.7  | 235.4 | 164.8 | 148.1 | 135.7 | 128.4 | 121.8 | 118.7 |
| 1172.3 | 32.5° | 1113.4 | 1047.4 | 690.3  | 193.1 | 152.4 | 135.3 | 124.1 | 117.1 | 111.3 | 109.0 |
| 1253.4 | 35°   | 1181.2 | 1096.7 | 646.8  | 189.6 | 141.9 | 124.9 | 113.6 | 107.0 | 101.2 | 99.3  |
| 1358.1 | 37.5° | 1277.4 | 1176.2 | 624.0  | 212.9 | 133.4 | 115.6 | 105.1 | 98.1  | 92.7  | 91.1  |
| 1491.1 | 40°   | 1396.1 | 1284.0 | 636.4  | 236.2 | 127.6 | 107.4 | 97.3  | 90.4  | 85.7  | 83.8  |
| 1643.9 | 42.5° | 1536.8 | 1417.0 | 705.0  | 254.0 | 123.7 | 100.4 | 90.0  | 82.2  | 79.1  | 78.3  |
| 1817.2 | 45°   | 1698.6 | 1563.2 | 810.1  | 273.0 | 117.5 | 93.8  | 82.6  | 76.8  | 74.5  | 74.1  |
| 2005.7 | 47.5° | 1882.4 | 1723.8 | 931.9  | 296.7 | 111.3 | 87.6  | 76.8  | 72.9  | 71.0  | 70.2  |
| 2202.3 | 50°   | 2064.6 | 1885.5 | 1057.1 | 309.9 | 106.3 | 81.8  | 72.1  | 69.0  | 67.5  | 67.1  |
| 2410.2 | 52.5° | 2255.4 | 2051.8 | 1158.4 | 297.4 | 102.0 | 77.2  | 68.3  | 65.9  | 64.4  | 64.0  |
| 2601.7 | 55°   | 2437.3 | 2186.4 | 1175.8 | 252.5 | 93.5  | 72.5  | 64.0  | 62.8  | 60.9  | 60.9  |
| 2796.0 | 57.5° | 2594.0 | 2253.9 | 1052.5 | 185.4 | 84.9  | 65.5  | 59.7  | 58.6  | 57.0  | 56.6  |
| 2971.3 | 60°   | 2737.9 | 2234.5 | 812.4  | 124.9 | 75.6  | 58.6  | 54.3  | 53.5  | 52.0  | 50.0  |
| 3123.7 | 62.5° | 2818.9 | 2149.2 | 555.7  | 81.4  | 66.3  | 51.2  | 48.1  | 47.7  | 44.2  | 40.3  |
| 3236.6 | 65°   | 2849.6 | 1973.9 | 346.7  | 59.3  | 55.5  | 43.8  | 41.5  | 40.7  | 35.7  | 31.4  |
| 3300.6 | 67.5° | 2822.8 | 1685.4 | 174.9  | 46.9  | 43.8  | 36.5  | 34.1  | 34.1  | 30.6  | 26.8  |
| 3296.7 | 70°   | 2715.8 | 1263.5 | 73.7   | 37.6  | 33.7  | 27.9  | 27.9  | 29.5  | 26.0  | 21.7  |
| 3125.7 | 72.5° | 2483.5 | 850.1  | 39.2   | 28.7  | 25.2  | 19.8  | 22.9  | 24.0  | 20.6  | 16.3  |
| 2558.3 | 75°   | 1974.3 | 518.5  | 27.1   | 21.3  | 15.9  | 14.0  | 17.5  | 18.2  | 14.0  | 10.9  |
| 1754.0 | 77.5° | 1350.3 | 297.8  | 18.2   | 13.6  | 10.1  | 8.1   | 12.0  | 11.2  | 7.4   | 5.0   |
| 676.3  | 80°   | 592.9  | 124.1  | 10.5   | 6.2   | 3.9   | 3.1   | 4.3   | 3.1   | 2.3   | 1.6   |
| 92.7   | 82.5° | 69.4   | 29.1   | 3.9    | 2.3   | 1.6   | 0.8   | 0.4   | 0.0   | 0.0   | 0.0   |
| 28.3   | 85°   | 14.3   | 3.5    | 1.9    | 0.8   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5.0    | 87.5° | 2.7    | 0.8    | 0.4    | 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°  |
|-------|
| 695.7 |
| 675.9 |
| 646.1 |
| 556.5 |
| 404.9 |
| 261.8 |
| 209.8 |
| 191.2 |
| 173.3 |
| 155.9 |
| 140.8 |
| 130.3 |
| 119.1 |
| 109.0 |
| 99.3  |
| 90.7  |
| 83.4  |
| 78.3  |
| 73.7  |
| 70.2  |
| 67.1  |
| 64.0  |
| 60.5  |
| 56.2  |
| 49.6  |
| 39.6  |
| 31.0  |
| 26.4  |
| 21.3  |
| 16.3  |
| 10.5  |
| 5.4   |
| 1.6   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |