

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: P945473

Luminaire Tested: **GLAN-SB1B-930-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945473  
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-SB1B-930-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3318 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

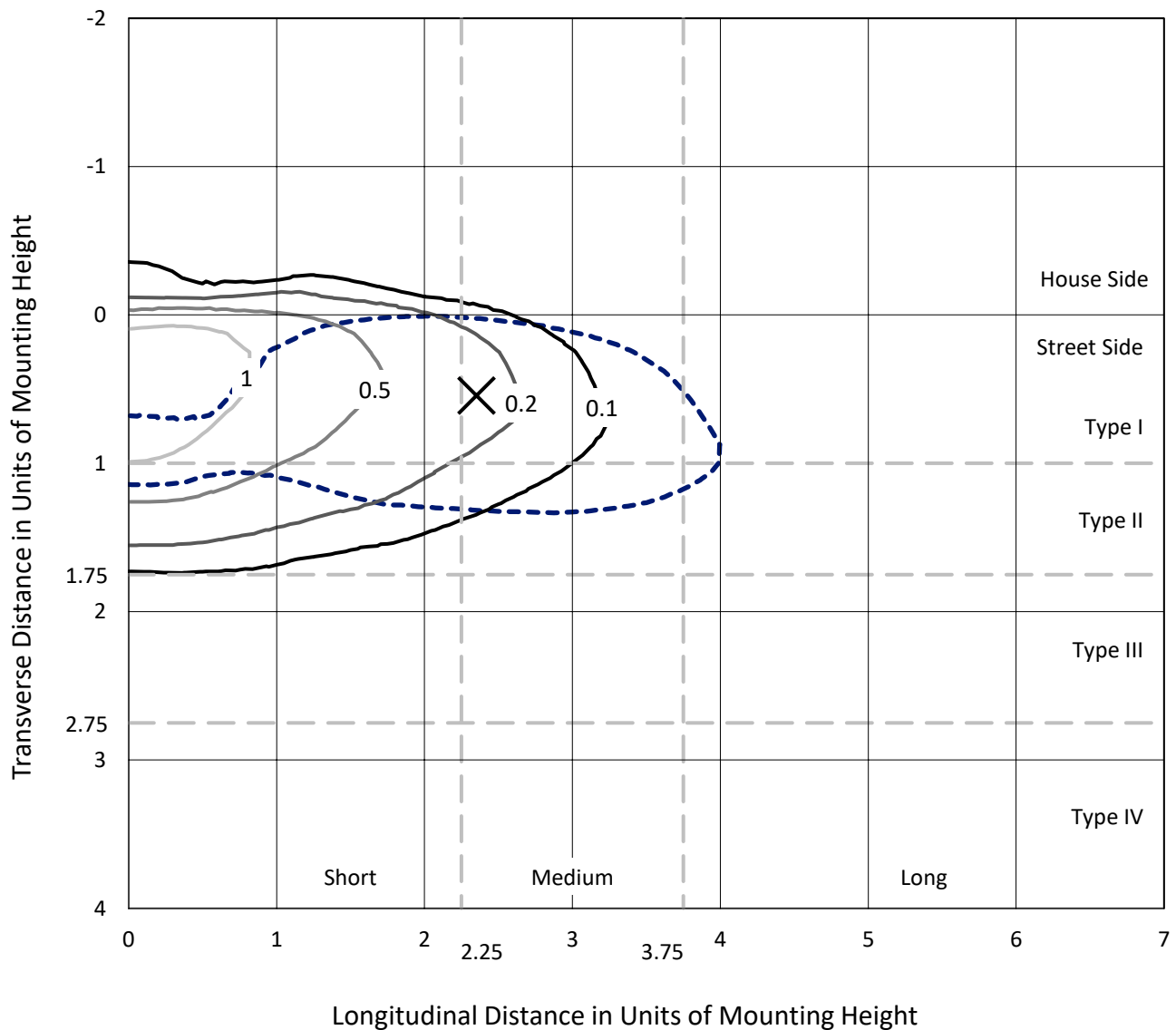
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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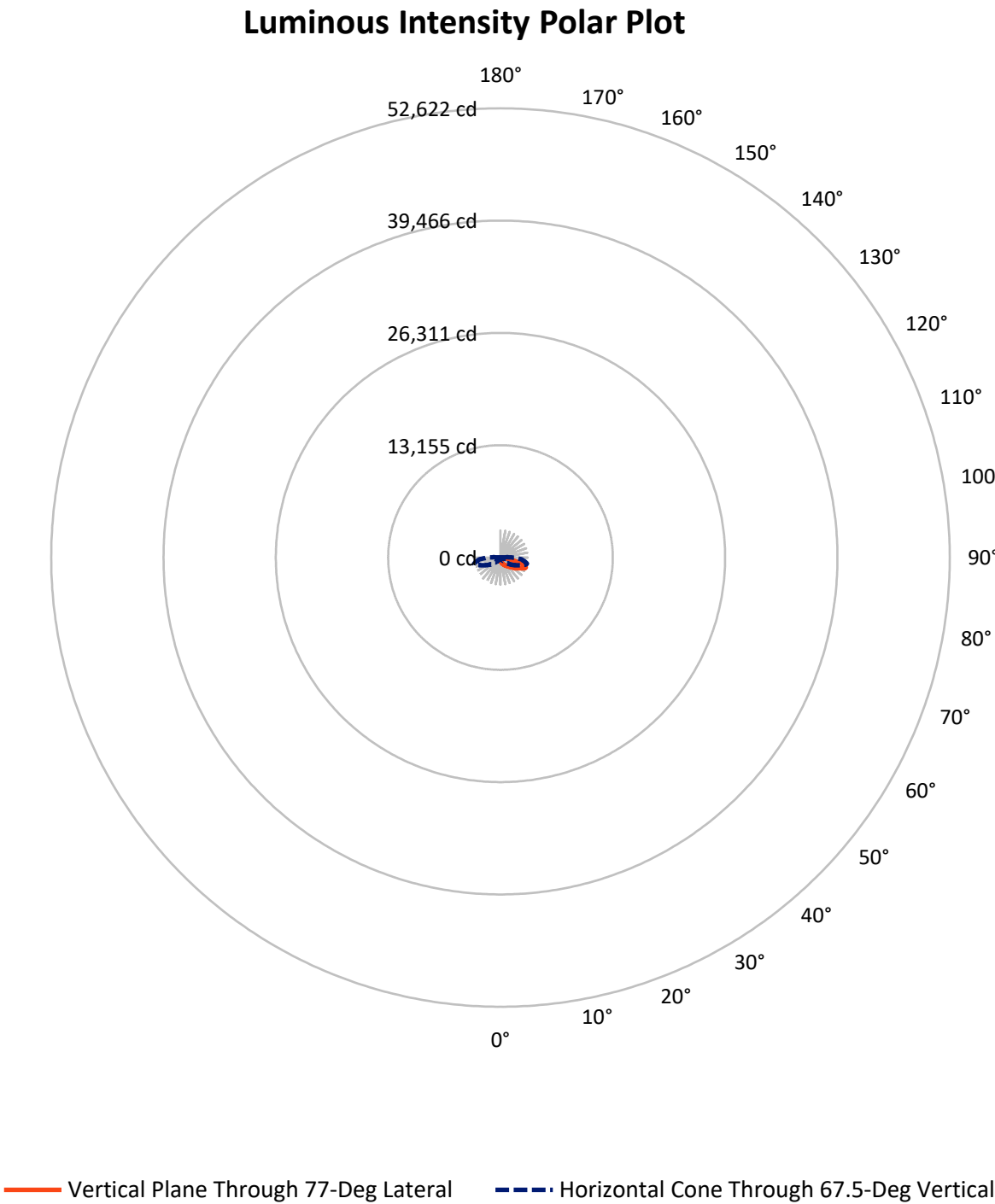
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 244.1    | 0.0    | 244.1  |
|                    | % Fixture | 7.4      | 0.0    | 7.4    |
| <b>Street Side</b> | Lumens    | 3073.9   | 0.0    | 3073.9 |
|                    | % Fixture | 92.6     | 0.0    | 92.6   |
| <b>Total</b>       | Lumens    | 3318.0   | 0.0    | 3318.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.1   | 1.2       |
| 10°-20°   | 136.8  | 4.1       |
| 20°-30°   | 263.9  | 8.0       |
| 30°-40°   | 458.1  | 13.8      |
| 40°-50°   | 665.2  | 20.0      |
| 50°-60°   | 763.9  | 23.0      |
| 60°-70°   | 663.2  | 20.0      |
| 70°-80°   | 312.4  | 9.4       |
| 80°-90°   | 15.4   | 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°    | 3318.0 | 100.0     |
| 0°-180°   | 3318.0 | 100.0     |

**Coefficient of Utilization**



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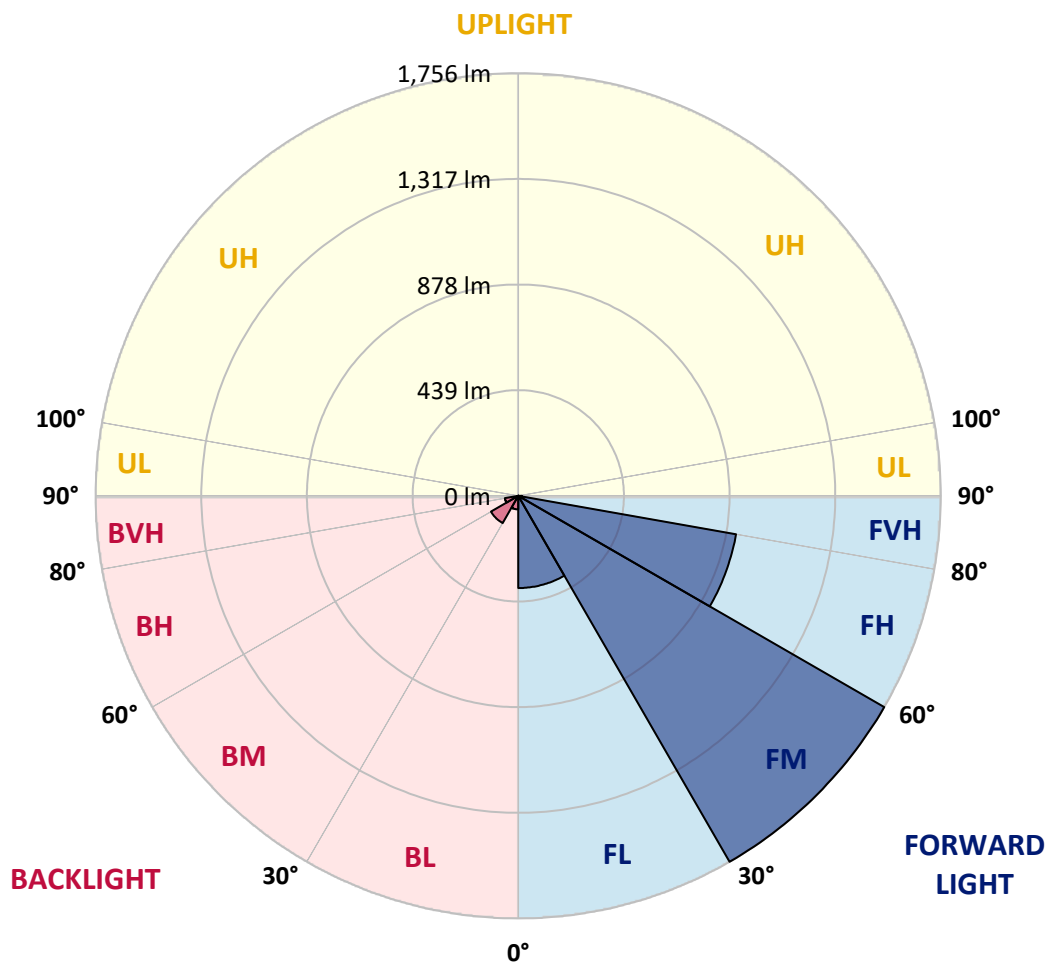
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 383.2  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 1756.5 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 919.1  | 27.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 15.2   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 56.5   | 1.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 130.8  | 3.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 56.5   | 1.7       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.3    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 382.6  | 382.6  | 382.6  | 382.6  | 382.6  | 382.6  | 382.6  | 382.6  | 382.6  | 382.6  |
| 2.5°  | 529.7  | 533.0  | 528.3  | 519.2  | 505.6  | 496.8  | 475.1  | 454.7  | 432.1  | 424.9  |
| 5°    | 645.7  | 648.6  | 643.3  | 633.4  | 615.2  | 597.9  | 569.5  | 526.8  | 482.5  | 468.3  |
| 7.5°  | 731.6  | 733.3  | 731.2  | 722.2  | 704.9  | 685.3  | 653.6  | 603.1  | 537.3  | 521.7  |
| 10°   | 793.5  | 798.8  | 798.2  | 794.7  | 783.2  | 767.3  | 733.5  | 676.0  | 598.7  | 578.6  |
| 12.5° | 834.5  | 840.4  | 843.9  | 851.8  | 851.1  | 841.1  | 811.4  | 750.6  | 659.9  | 636.2  |
| 15°   | 846.4  | 852.8  | 866.2  | 884.3  | 900.4  | 905.5  | 884.7  | 823.7  | 727.3  | 697.0  |
| 17.5° | 839.6  | 849.5  | 865.6  | 894.2  | 929.4  | 952.7  | 950.5  | 894.4  | 788.5  | 753.9  |
| 20°   | 854.6  | 864.1  | 876.7  | 900.8  | 941.8  | 984.0  | 1000.9 | 962.0  | 849.3  | 813.0  |
| 22.5° | 937.9  | 936.2  | 937.5  | 941.4  | 965.9  | 1007.7 | 1042.6 | 1023.4 | 909.5  | 872.4  |
| 25°   | 1069.8 | 1062.3 | 1049.8 | 1028.5 | 1022.4 | 1042.6 | 1078.8 | 1077.8 | 972.9  | 933.2  |
| 27.5° | 1221.0 | 1219.8 | 1190.3 | 1139.2 | 1110.3 | 1102.5 | 1119.8 | 1130.7 | 1035.8 | 993.3  |
| 30°   | 1365.8 | 1369.1 | 1329.4 | 1272.5 | 1219.5 | 1188.8 | 1173.2 | 1181.0 | 1099.6 | 1058.2 |
| 32.5° | 1491.9 | 1495.4 | 1452.2 | 1385.6 | 1320.1 | 1283.0 | 1250.0 | 1230.7 | 1169.3 | 1124.1 |
| 35°   | 1598.4 | 1602.0 | 1552.3 | 1478.7 | 1408.9 | 1375.3 | 1338.0 | 1285.1 | 1239.3 | 1197.3 |
| 37.5° | 1693.6 | 1692.6 | 1626.1 | 1551.9 | 1483.3 | 1456.7 | 1437.1 | 1352.0 | 1311.4 | 1270.8 |
| 40°   | 1749.9 | 1754.2 | 1697.3 | 1615.6 | 1549.0 | 1529.6 | 1528.4 | 1435.1 | 1394.7 | 1355.3 |
| 42.5° | 1766.4 | 1774.0 | 1732.8 | 1665.6 | 1605.2 | 1584.2 | 1616.6 | 1524.9 | 1491.5 | 1453.2 |
| 45°   | 1736.7 | 1744.1 | 1725.4 | 1678.8 | 1643.6 | 1630.0 | 1692.4 | 1618.0 | 1594.9 | 1557.0 |
| 47.5° | 1650.2 | 1659.4 | 1664.0 | 1654.1 | 1653.7 | 1667.5 | 1760.4 | 1716.1 | 1717.7 | 1679.0 |
| 50°   | 1482.7 | 1498.3 | 1539.9 | 1575.0 | 1629.1 | 1697.1 | 1826.5 | 1822.4 | 1856.2 | 1822.8 |
| 52.5° | 1178.1 | 1200.4 | 1343.8 | 1439.6 | 1561.4 | 1691.6 | 1899.3 | 1993.0 | 2099.1 | 2050.3 |
| 55°   | 946.7  | 946.7  | 1063.4 | 1242.6 | 1429.1 | 1654.9 | 1931.0 | 2103.9 | 2264.6 | 2253.0 |
| 57.5° | 771.8  | 781.1  | 855.5  | 1013.9 | 1237.7 | 1567.5 | 1950.6 | 2173.5 | 2397.9 | 2389.4 |
| 60°   | 476.4  | 496.3  | 636.9  | 793.2  | 1019.9 | 1412.0 | 1938.2 | 2244.0 | 2559.6 | 2566.4 |
| 62.5° | 268.3  | 275.7  | 338.3  | 570.7  | 793.0  | 1202.9 | 1843.6 | 2283.3 | 2766.5 | 2795.3 |
| 65°   | 185.2  | 188.9  | 213.0  | 355.2  | 549.7  | 957.7  | 1658.8 | 2258.8 | 2973.8 | 3032.1 |
| 67.5° | 134.5  | 136.4  | 151.4  | 217.0  | 326.2  | 694.4  | 1369.1 | 2135.2 | 3083.6 | 3181.0 |
| 70°   | 103.4  | 104.7  | 115.6  | 142.6  | 192.6  | 428.6  | 994.3  | 1889.4 | 3004.0 | 3120.5 |
| 72.5° | 84.1   | 85.3   | 93.7   | 105.5  | 127.7  | 253.4  | 602.7  | 1534.4 | 2653.0 | 2778.6 |
| 75°   | 70.9   | 72.5   | 80.1   | 87.8   | 100.1  | 162.8  | 282.7  | 1068.5 | 1995.1 | 2077.5 |
| 77.5° | 39.4   | 36.3   | 65.1   | 72.7   | 84.5   | 103.0  | 132.3  | 628.8  | 1117.3 | 1140.2 |
| 80°   | 24.5   | 25.3   | 51.7   | 58.5   | 64.9   | 51.9   | 60.6   | 242.1  | 387.4  | 368.0  |
| 82.5° | 1.4    | 3.3    | 39.8   | 42.2   | 44.5   | 22.3   | 22.9   | 82.2   | 93.3   | 85.7   |
| 85°   | 0.0    | 0.0    | 18.1   | 14.6   | 15.5   | 6.4    | 6.6    | 19.2   | 12.6   | 13.6   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.4    | 0.0    | 0.6    | 1.2    | 1.6    | 0.6    | 0.8    |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 382.6  | 0°    | 382.6  | 382.6 | 382.6 | 382.6 | 382.6 | 382.6 | 382.6 | 382.6 | 382.6 | 382.6 |
| 402.2  | 2.5°  | 387.8  | 373.3 | 344.1 | 315.4 | 292.2 | 270.5 | 255.1 | 240.4 | 233.0 | 232.6 |
| 428.1  | 5°    | 399.5  | 369.2 | 310.7 | 259.0 | 217.4 | 184.0 | 162.4 | 146.9 | 139.1 | 136.4 |
| 460.1  | 7.5°  | 416.0  | 370.5 | 281.4 | 209.5 | 160.5 | 131.9 | 119.5 | 114.6 | 112.9 | 111.1 |
| 496.1  | 10°   | 436.8  | 373.3 | 255.3 | 168.7 | 126.5 | 112.1 | 107.1 | 105.1 | 103.8 | 102.6 |
| 536.7  | 12.5° | 460.1  | 376.0 | 229.3 | 140.1 | 111.3 | 103.8 | 100.3 | 97.9  | 96.2  | 94.8  |
| 578.4  | 15°   | 482.7  | 377.7 | 202.3 | 120.1 | 103.4 | 97.5  | 93.7  | 91.1  | 88.8  | 87.2  |
| 619.1  | 17.5° | 505.2  | 379.9 | 177.0 | 108.2 | 97.0  | 91.1  | 87.4  | 84.1  | 82.2  | 80.4  |
| 662.0  | 20°   | 530.1  | 379.5 | 153.1 | 99.7  | 90.7  | 84.7  | 80.8  | 77.7  | 75.8  | 73.8  |
| 707.3  | 22.5° | 553.2  | 377.5 | 132.1 | 92.5  | 84.1  | 78.3  | 74.0  | 70.9  | 69.0  | 67.4  |
| 753.7  | 25°   | 579.8  | 375.8 | 114.6 | 85.9  | 77.9  | 72.1  | 67.4  | 64.5  | 62.4  | 61.0  |
| 800.3  | 27.5° | 605.3  | 373.3 | 101.8 | 79.9  | 71.9  | 66.3  | 61.8  | 58.5  | 56.7  | 55.6  |
| 848.3  | 30°   | 630.5  | 372.7 | 97.0  | 74.2  | 66.6  | 61.0  | 56.5  | 53.4  | 51.9  | 51.5  |
| 901.0  | 32.5° | 660.8  | 374.4 | 99.1  | 72.1  | 61.6  | 56.0  | 51.7  | 49.4  | 48.0  | 48.0  |
| 959.7  | 35°   | 693.1  | 374.0 | 102.2 | 74.0  | 58.3  | 51.1  | 47.8  | 46.4  | 44.9  | 44.9  |
| 1024.8 | 37.5° | 733.7  | 374.6 | 104.7 | 77.1  | 57.1  | 47.0  | 45.1  | 43.3  | 42.4  | 42.4  |
| 1096.1 | 40°   | 794.3  | 395.0 | 103.4 | 79.7  | 56.7  | 44.1  | 40.4  | 39.8  | 39.1  | 39.1  |
| 1176.7 | 42.5° | 868.5  | 439.3 | 105.1 | 79.9  | 56.5  | 42.0  | 37.1  | 38.3  | 36.9  | 36.7  |
| 1267.6 | 45°   | 949.6  | 487.7 | 115.6 | 75.6  | 56.2  | 41.0  | 35.4  | 36.9  | 34.6  | 34.6  |
| 1372.8 | 47.5° | 1030.2 | 535.7 | 126.3 | 69.4  | 55.6  | 40.8  | 34.0  | 33.2  | 32.6  | 32.8  |
| 1510.1 | 50°   | 1141.2 | 574.8 | 130.4 | 61.0  | 54.2  | 40.4  | 31.3  | 31.5  | 31.1  | 31.5  |
| 1703.5 | 52.5° | 1262.2 | 583.1 | 125.5 | 51.5  | 50.1  | 39.1  | 29.5  | 30.3  | 30.1  | 30.5  |
| 1839.7 | 55°   | 1337.6 | 574.2 | 103.6 | 42.9  | 43.7  | 34.2  | 27.6  | 29.3  | 29.3  | 29.3  |
| 1972.8 | 57.5° | 1415.5 | 536.5 | 73.6  | 34.8  | 36.3  | 28.0  | 26.0  | 28.2  | 28.0  | 27.8  |
| 2133.1 | 60°   | 1471.5 | 475.5 | 48.4  | 28.6  | 28.8  | 23.1  | 24.1  | 26.6  | 26.4  | 25.3  |
| 2298.4 | 62.5° | 1513.4 | 408.2 | 31.1  | 24.3  | 22.0  | 20.8  | 22.0  | 24.1  | 23.3  | 21.0  |
| 2438.5 | 65°   | 1508.6 | 314.8 | 23.9  | 20.8  | 18.1  | 18.1  | 19.2  | 21.0  | 18.5  | 14.8  |
| 2465.3 | 67.5° | 1420.6 | 213.0 | 19.8  | 17.5  | 15.2  | 15.0  | 15.9  | 17.5  | 15.9  | 12.6  |
| 2328.0 | 70°   | 1263.4 | 139.3 | 15.9  | 13.6  | 12.2  | 11.1  | 12.8  | 15.0  | 13.4  | 10.1  |
| 1981.9 | 72.5° | 1025.5 | 84.9  | 12.0  | 9.9   | 8.9   | 7.2   | 10.1  | 12.4  | 10.7  | 7.4   |
| 1378.2 | 75°   | 663.4  | 43.3  | 8.2   | 6.4   | 4.7   | 4.3   | 7.4   | 9.3   | 7.4   | 4.5   |
| 611.5  | 77.5° | 253.8  | 18.1  | 4.5   | 2.9   | 2.5   | 2.1   | 4.1   | 5.6   | 3.1   | 1.0   |
| 118.5  | 80°   | 48.8   | 7.6   | 2.3   | 1.4   | 1.2   | 0.8   | 0.6   | 0.4   | 0.0   | 0.0   |
| 21.0   | 82.5° | 8.4    | 2.5   | 0.8   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 4.1    | 85°   | 2.9    | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 1.4    | 87.5° | 1.0    | 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°  |
|-------|
| 382.6 |
| 232.2 |
| 136.0 |
| 110.6 |
| 102.2 |
| 94.4  |
| 86.9  |
| 80.1  |
| 73.6  |
| 67.2  |
| 60.8  |
| 55.6  |
| 51.3  |
| 48.0  |
| 44.9  |
| 42.4  |
| 39.1  |
| 36.5  |
| 34.6  |
| 32.8  |
| 31.5  |
| 30.5  |
| 29.3  |
| 27.8  |
| 25.3  |
| 20.6  |
| 14.4  |
| 12.2  |
| 9.7   |
| 7.0   |
| 3.9   |
| 0.8   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |