

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: P948376

Luminaire Tested: **GLAN-SB3B-940-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948376  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-940-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12569 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 109.2  
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



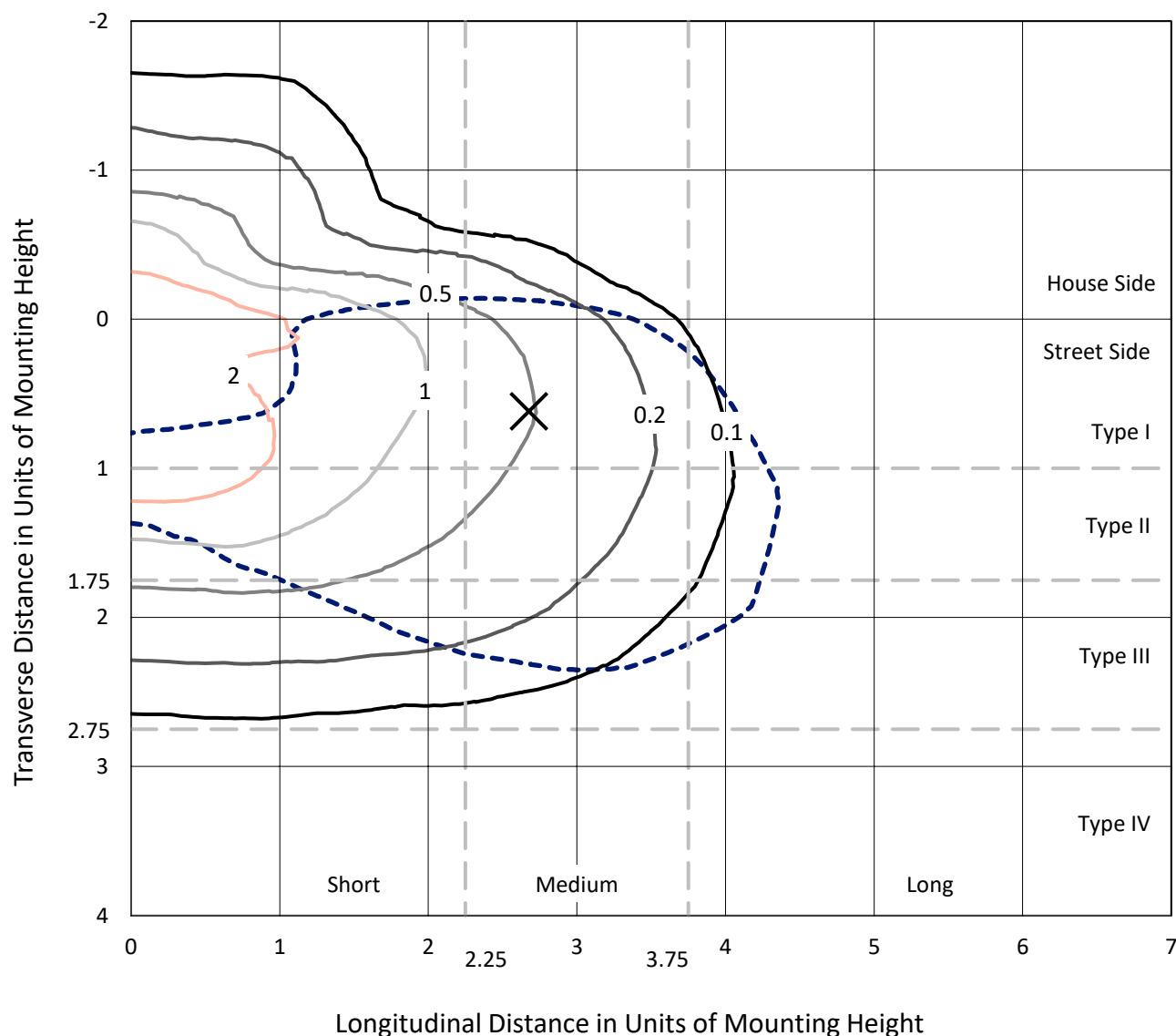
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## Iso-Footcandle Lines of Horizontal Illumination

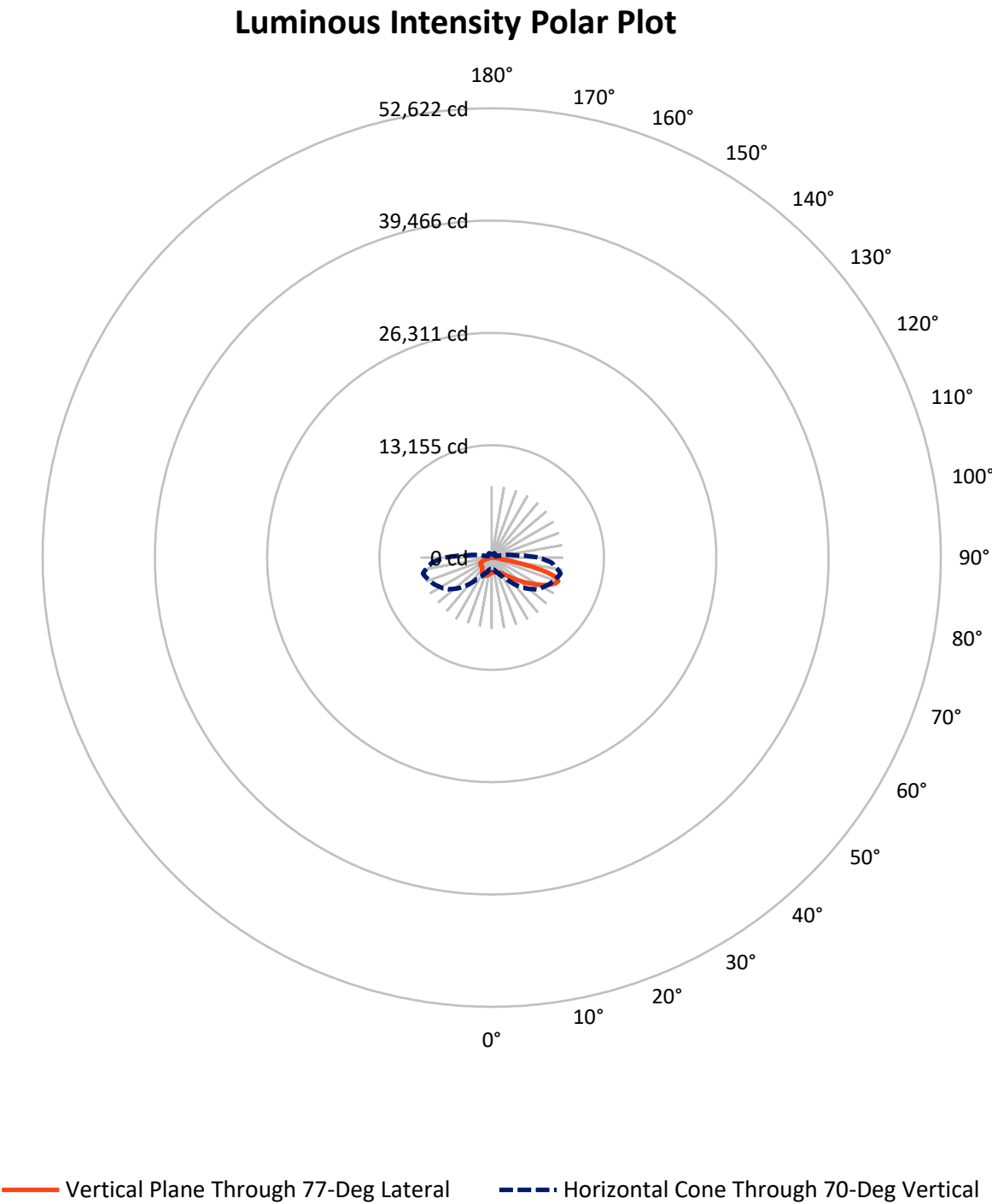
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type III - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2752.4   | 0.0    | 2752.4  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 9816.6   | 0.0    | 9816.6  |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 12569.0  | 0.0    | 12569.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 167.2   | 1.3       |
| 10°-20°   | 482.7   | 3.8       |
| 20°-30°   | 825.4   | 6.6       |
| 30°-40°   | 1327.4  | 10.6      |
| 40°-50°   | 2072.3  | 16.5      |
| 50°-60°   | 2768.2  | 22.0      |
| 60°-70°   | 2950.4  | 23.5      |
| 70°-80°   | 1816.3  | 14.5      |
| 80°-90°   | 159.2   | 1.3       |
| 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°    | 12569.0 | 100.0     |
| 0°-180°   | 12569.0 | 100.0     |

**Coefficient of Utilization**



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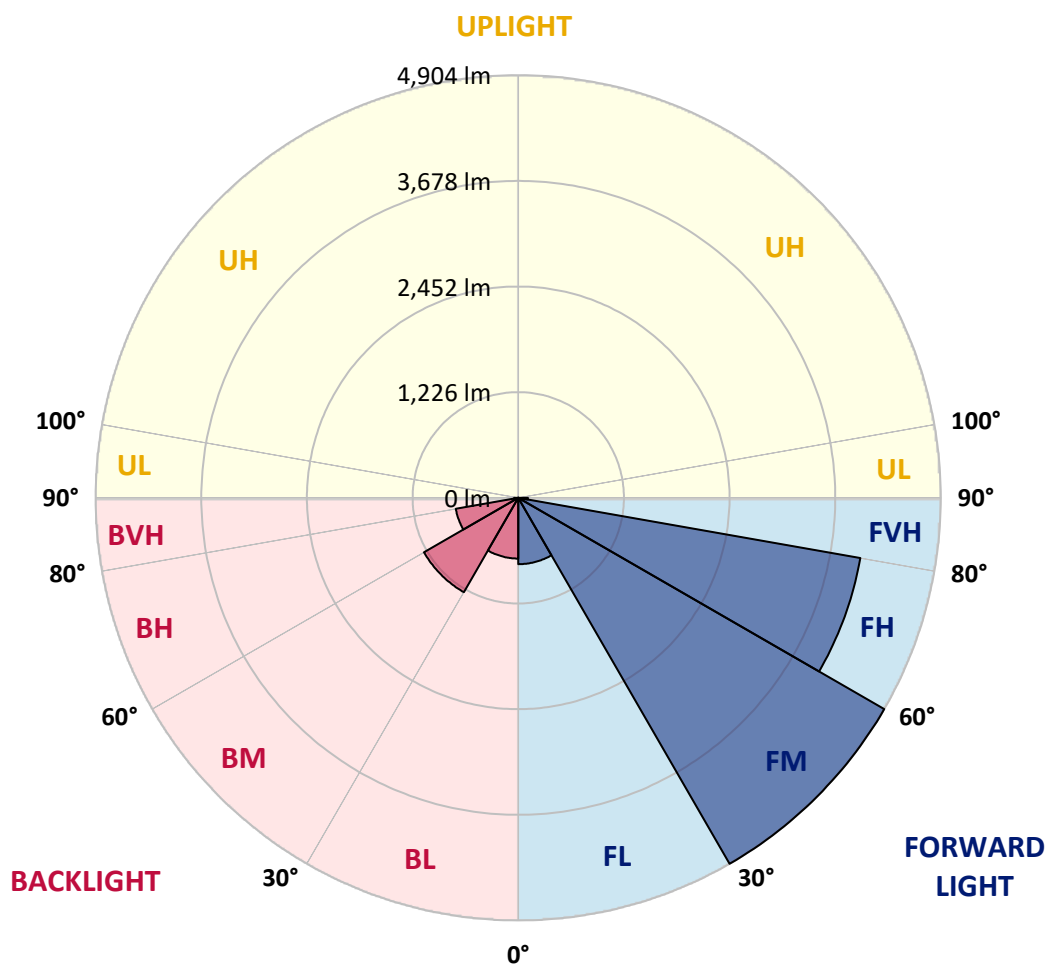
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 770.1  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 4904.2 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 4031.1 | 32.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 111.3  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 705.3  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1263.7 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 735.6  | 5.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 47.9   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 |
| 2.5°  | 1616.4 | 1615.7 | 1624.1 | 1626.7 | 1642.1 | 1653.1 | 1673.7 | 1695.6 | 1723.9 | 1727.1 |
| 5°    | 1523.0 | 1523.0 | 1532.7 | 1543.0 | 1562.9 | 1584.8 | 1616.4 | 1654.4 | 1703.3 | 1711.0 |
| 7.5°  | 1443.9 | 1449.0 | 1457.4 | 1477.3 | 1500.5 | 1532.1 | 1580.3 | 1634.4 | 1698.8 | 1711.0 |
| 10°   | 1380.1 | 1385.9 | 1396.2 | 1412.3 | 1447.1 | 1490.9 | 1553.9 | 1623.5 | 1709.7 | 1729.0 |
| 12.5° | 1360.2 | 1366.0 | 1371.8 | 1384.0 | 1416.2 | 1467.7 | 1543.0 | 1628.6 | 1736.1 | 1755.4 |
| 15°   | 1406.5 | 1413.6 | 1409.1 | 1405.9 | 1422.6 | 1469.6 | 1548.1 | 1647.3 | 1768.9 | 1796.6 |
| 17.5° | 1513.4 | 1516.0 | 1505.7 | 1475.4 | 1472.8 | 1497.9 | 1572.6 | 1673.0 | 1810.1 | 1840.4 |
| 20°   | 1685.9 | 1681.4 | 1660.2 | 1600.3 | 1566.2 | 1561.0 | 1614.4 | 1711.6 | 1852.6 | 1884.8 |
| 22.5° | 1920.2 | 1915.1 | 1872.6 | 1778.0 | 1702.0 | 1651.8 | 1675.0 | 1761.9 | 1900.3 | 1936.3 |
| 25°   | 2212.5 | 2205.4 | 2142.9 | 2014.2 | 1896.4 | 1772.2 | 1757.4 | 1828.2 | 1958.8 | 1992.3 |
| 27.5° | 2553.6 | 2547.8 | 2480.2 | 2310.3 | 2140.4 | 1937.0 | 1859.7 | 1906.1 | 2020.0 | 2058.0 |
| 30°   | 2920.6 | 2937.3 | 2817.6 | 2634.7 | 2419.7 | 2152.0 | 1997.5 | 2002.0 | 2099.2 | 2133.3 |
| 32.5° | 3351.8 | 3380.8 | 3236.6 | 3004.9 | 2711.3 | 2385.6 | 2171.3 | 2135.9 | 2214.4 | 2242.7 |
| 35°   | 3779.3 | 3812.1 | 3692.4 | 3436.2 | 3098.2 | 2661.1 | 2352.8 | 2289.7 | 2367.6 | 2398.5 |
| 37.5° | 4148.8 | 4192.5 | 4130.7 | 3908.0 | 3512.1 | 2993.3 | 2589.7 | 2470.6 | 2556.2 | 2594.8 |
| 40°   | 4440.4 | 4507.3 | 4502.8 | 4363.8 | 4000.1 | 3396.3 | 2890.3 | 2694.0 | 2790.5 | 2832.4 |
| 42.5° | 4677.3 | 4735.2 | 4785.4 | 4778.3 | 4509.3 | 3853.9 | 3243.7 | 2984.3 | 3057.7 | 3105.9 |
| 45°   | 4840.8 | 4902.6 | 5010.7 | 5127.2 | 4999.1 | 4343.8 | 3648.6 | 3328.7 | 3395.6 | 3468.4 |
| 47.5° | 4986.9 | 5057.1 | 5197.4 | 5382.1 | 5415.0 | 4835.6 | 4092.1 | 3729.7 | 3790.9 | 3866.2 |
| 50°   | 4999.8 | 5060.3 | 5277.9 | 5539.8 | 5710.4 | 5308.1 | 4568.5 | 4179.7 | 4237.0 | 4317.4 |
| 52.5° | 4688.8 | 4784.1 | 5163.9 | 5535.3 | 5846.3 | 5703.3 | 5041.6 | 4647.7 | 4712.0 | 4808.6 |
| 55°   | 3639.6 | 3779.3 | 4829.8 | 5362.8 | 5798.0 | 5958.9 | 5491.6 | 5145.2 | 5227.6 | 5328.7 |
| 57.5° | 3134.9 | 3196.1 | 3834.0 | 5048.7 | 5577.8 | 6025.2 | 5871.4 | 5648.0 | 5780.6 | 5891.3 |
| 60°   | 2817.6 | 2868.4 | 3245.6 | 4560.1 | 5288.2 | 5920.3 | 6164.9 | 6116.6 | 6345.8 | 6477.7 |
| 62.5° | 2477.7 | 2526.0 | 2869.1 | 3807.6 | 4917.4 | 5745.8 | 6350.3 | 6549.2 | 6925.1 | 7069.3 |
| 65°   | 2140.4 | 2181.6 | 2510.5 | 3199.3 | 4446.2 | 5571.4 | 6446.2 | 6923.2 | 7461.3 | 7610.7 |
| 67.5° | 1764.4 | 1798.6 | 2109.5 | 2699.1 | 3873.3 | 5332.6 | 6493.8 | 7217.4 | 7928.0 | 8056.1 |
| 70°   | 1273.3 | 1299.7 | 1620.9 | 2134.6 | 3154.2 | 4921.9 | 6474.5 | 7425.9 | 8170.1 | 8272.4 |
| 72.5° | 601.9  | 625.7  | 1002.9 | 1385.9 | 2227.9 | 4122.4 | 6083.8 | 7260.5 | 7924.2 | 7873.3 |
| 75°   | 321.2  | 341.8  | 576.1  | 760.2  | 1176.7 | 2825.9 | 4978.5 | 6254.4 | 6654.1 | 6406.9 |
| 77.5° | 217.6  | 233.7  | 356.6  | 456.4  | 537.5  | 1341.5 | 3199.9 | 4330.3 | 4166.1 | 3758.0 |
| 80°   | 172.5  | 189.3  | 292.2  | 309.0  | 260.1  | 484.7  | 1322.2 | 2004.5 | 1440.0 | 1151.6 |
| 82.5° | 132.6  | 151.3  | 245.9  | 224.0  | 141.6  | 198.9  | 384.9  | 634.1  | 368.9  | 280.7  |
| 85°   | 81.1   | 101.1  | 193.1  | 142.9  | 79.8   | 90.8   | 130.7  | 176.4  | 112.7  | 94.0   |
| 87.5° | 41.2   | 57.9   | 97.8   | 52.1   | 36.0   | 21.2   | 34.8   | 34.8   | 29.6   | 25.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1753.5 | 0°    | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 | 1753.5 |
| 1744.5 | 2.5°  | 1759.9 | 1772.8 | 1794.7 | 1815.3 | 1831.4 | 1846.8 | 1862.3 | 1870.6 | 1873.2 | 1883.5 |
| 1754.1 | 5°    | 1780.5 | 1804.3 | 1846.8 | 1886.7 | 1911.8 | 1927.3 | 1938.2 | 1944.7 | 1946.0 | 1949.2 |
| 1780.5 | 7.5°  | 1818.5 | 1856.5 | 1915.7 | 1955.6 | 1974.3 | 1973.0 | 1968.5 | 1952.4 | 1946.0 | 1940.2 |
| 1819.1 | 10°   | 1871.9 | 1922.1 | 1994.9 | 2022.6 | 2011.0 | 1980.1 | 1940.2 | 1893.2 | 1871.3 | 1850.0 |
| 1871.9 | 12.5° | 1938.2 | 2002.0 | 2073.4 | 2072.1 | 2014.8 | 1935.7 | 1843.0 | 1770.9 | 1725.2 | 1692.3 |
| 1937.0 | 15°   | 2018.7 | 2092.1 | 2146.8 | 2103.0 | 1977.5 | 1835.2 | 1699.4 | 1605.4 | 1564.2 | 1528.2 |
| 2002.6 | 17.5° | 2101.7 | 2180.3 | 2205.4 | 2093.4 | 1883.5 | 1686.5 | 1532.7 | 1458.7 | 1418.1 | 1398.8 |
| 2073.4 | 20°   | 2182.9 | 2260.7 | 2240.1 | 2038.0 | 1740.6 | 1517.9 | 1380.8 | 1340.2 | 1331.9 | 1336.4 |
| 2142.3 | 22.5° | 2268.5 | 2338.0 | 2247.2 | 1931.2 | 1558.4 | 1345.4 | 1270.1 | 1271.3 | 1290.0 | 1303.5 |
| 2214.4 | 25°   | 2356.0 | 2403.0 | 2228.6 | 1776.7 | 1362.8 | 1218.6 | 1199.9 | 1220.5 | 1257.2 | 1283.6 |
| 2295.5 | 27.5° | 2440.3 | 2460.9 | 2188.0 | 1585.5 | 1194.7 | 1127.8 | 1131.0 | 1173.5 | 1228.9 | 1265.6 |
| 2394.0 | 30°   | 2535.6 | 2512.4 | 2110.1 | 1370.5 | 1078.2 | 1049.9 | 1076.9 | 1126.5 | 1181.9 | 1214.7 |
| 2518.2 | 32.5° | 2643.1 | 2556.9 | 1986.5 | 1171.6 | 995.8  | 987.5  | 1031.9 | 1064.1 | 1088.5 | 1098.2 |
| 2683.0 | 35°   | 2777.0 | 2619.3 | 1828.2 | 1031.9 | 921.8  | 941.8  | 984.2  | 968.2  | 958.5  | 953.3  |
| 2904.5 | 37.5° | 2950.8 | 2703.6 | 1642.8 | 941.1  | 861.9  | 908.9  | 926.3  | 876.1  | 838.1  | 819.5  |
| 3172.9 | 40°   | 3160.0 | 2827.2 | 1464.5 | 871.0  | 824.0  | 880.6  | 850.4  | 789.8  | 741.6  | 715.2  |
| 3474.8 | 42.5° | 3392.4 | 2956.6 | 1314.5 | 818.2  | 802.7  | 857.4  | 794.3  | 722.3  | 644.4  | 636.0  |
| 3834.6 | 45°   | 3636.4 | 3089.9 | 1212.1 | 777.6  | 792.4  | 837.5  | 762.2  | 645.7  | 590.3  | 624.4  |
| 4195.8 | 47.5° | 3880.3 | 3212.2 | 1150.3 | 747.4  | 787.3  | 814.9  | 733.8  | 603.2  | 563.9  | 613.5  |
| 4582.6 | 50°   | 4152.0 | 3321.6 | 1122.6 | 725.5  | 781.5  | 805.9  | 691.4  | 592.2  | 536.2  | 569.0  |
| 4983.0 | 52.5° | 4421.7 | 3406.6 | 1102.0 | 703.6  | 773.1  | 798.9  | 670.8  | 579.3  | 502.7  | 504.7  |
| 5386.0 | 55°   | 4690.8 | 3461.9 | 1079.5 | 674.6  | 754.4  | 783.4  | 668.8  | 565.2  | 477.6  | 468.6  |
| 5812.1 | 57.5° | 4977.9 | 3493.5 | 1051.8 | 642.4  | 722.3  | 744.1  | 666.9  | 554.2  | 469.9  | 455.1  |
| 6247.9 | 60°   | 5270.1 | 3539.8 | 1015.8 | 603.2  | 679.1  | 697.1  | 662.4  | 550.4  | 465.4  | 440.3  |
| 6658.6 | 62.5° | 5532.1 | 3555.9 | 972.7  | 565.8  | 623.8  | 650.8  | 652.7  | 547.2  | 453.2  | 410.0  |
| 6999.8 | 65°   | 5704.0 | 3486.4 | 897.3  | 523.3  | 563.9  | 603.2  | 634.1  | 536.2  | 431.3  | 388.2  |
| 7168.5 | 67.5° | 5696.9 | 3288.1 | 779.5  | 468.6  | 506.0  | 550.4  | 607.0  | 517.5  | 404.9  | 361.1  |
| 7041.0 | 70°   | 5431.7 | 2896.7 | 630.2  | 404.9  | 442.2  | 493.7  | 572.3  | 489.9  | 373.4  | 331.5  |
| 6260.8 | 72.5° | 4658.6 | 2267.2 | 457.7  | 330.2  | 368.2  | 435.2  | 527.2  | 456.4  | 341.2  | 305.1  |
| 4627.1 | 75°   | 3328.0 | 1434.8 | 310.3  | 253.6  | 286.5  | 368.9  | 471.2  | 417.1  | 311.6  | 306.4  |
| 2317.4 | 77.5° | 1700.1 | 685.6  | 205.3  | 185.4  | 199.6  | 291.0  | 395.9  | 372.7  | 316.1  | 253.0  |
| 659.2  | 80°   | 553.0  | 253.0  | 129.4  | 126.2  | 132.6  | 193.8  | 306.4  | 305.8  | 239.5  | 171.9  |
| 159.6  | 82.5° | 176.4  | 108.8  | 84.3   | 81.1   | 77.9   | 121.7  | 213.7  | 242.0  | 161.6  | 108.8  |
| 57.3   | 85°   | 70.2   | 65.0   | 49.6   | 45.7   | 32.8   | 57.3   | 112.0  | 160.9  | 120.4  | 78.5   |
| 14.8   | 87.5° | 25.7   | 25.7   | 13.5   | 9.7    | 7.1    | 19.3   | 30.3   | 48.3   | 68.9   | 40.6   |
| 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°   |
|--------|
| 1753.5 |
| 1889.3 |
| 1954.3 |
| 1941.5 |
| 1843.6 |
| 1684.6 |
| 1524.3 |
| 1404.6 |
| 1334.4 |
| 1306.7 |
| 1290.7 |
| 1274.6 |
| 1222.4 |
| 1103.3 |
| 958.5  |
| 824.0  |
| 717.1  |
| 644.4  |
| 642.4  |
| 636.6  |
| 593.5  |
| 518.2  |
| 475.1  |
| 457.0  |
| 442.2  |
| 410.0  |
| 388.2  |
| 363.1  |
| 335.4  |
| 303.2  |
| 289.0  |
| 225.3  |
| 151.9  |
| 108.1  |
| 80.5   |
| 39.9   |
| 0.0    |