

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: P940395

Luminaire Tested: **GLAN-SB3B-940-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940395  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-940-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12131 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - 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

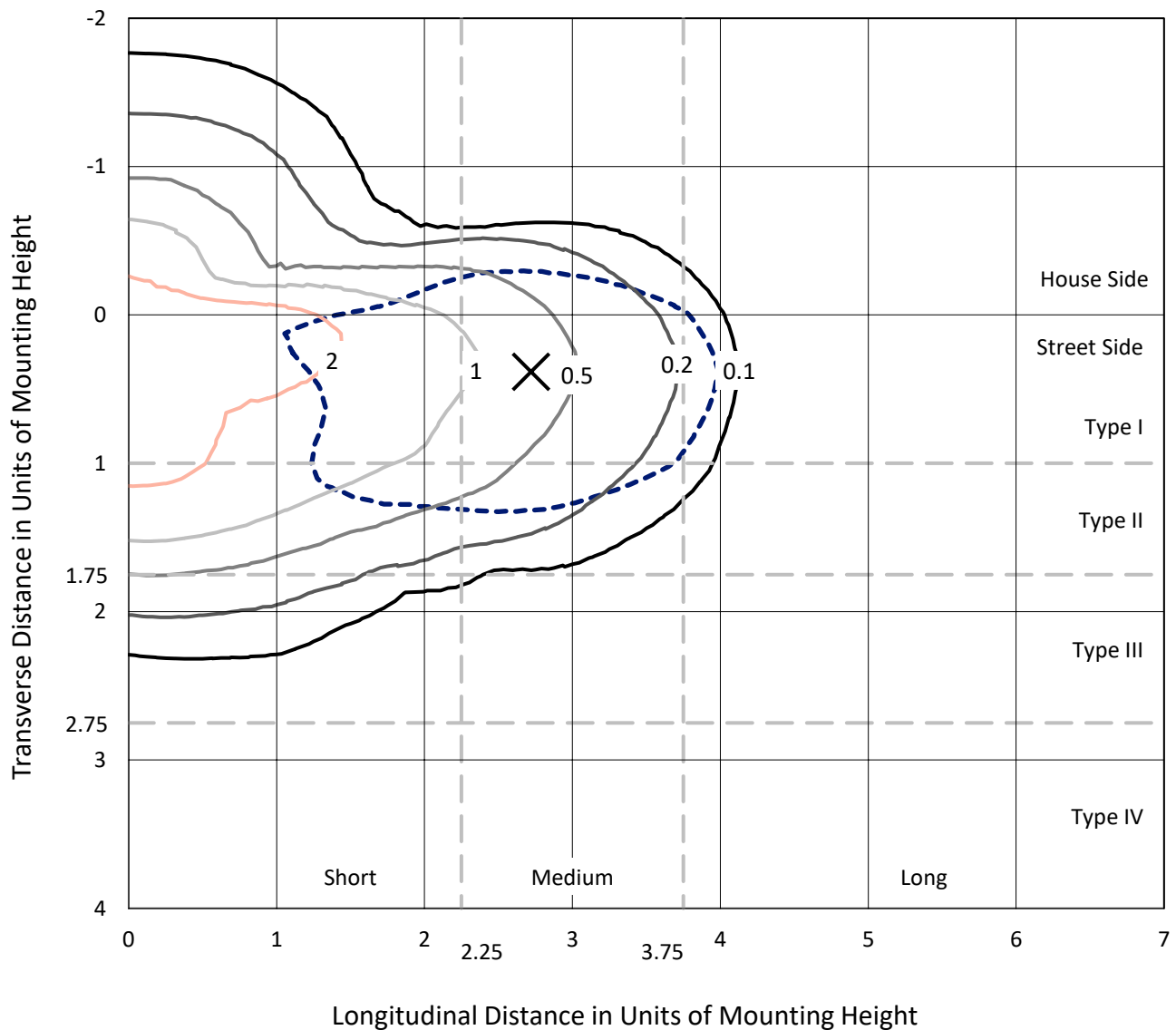


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## Iso-Footcandle Lines of Horizontal Illumination

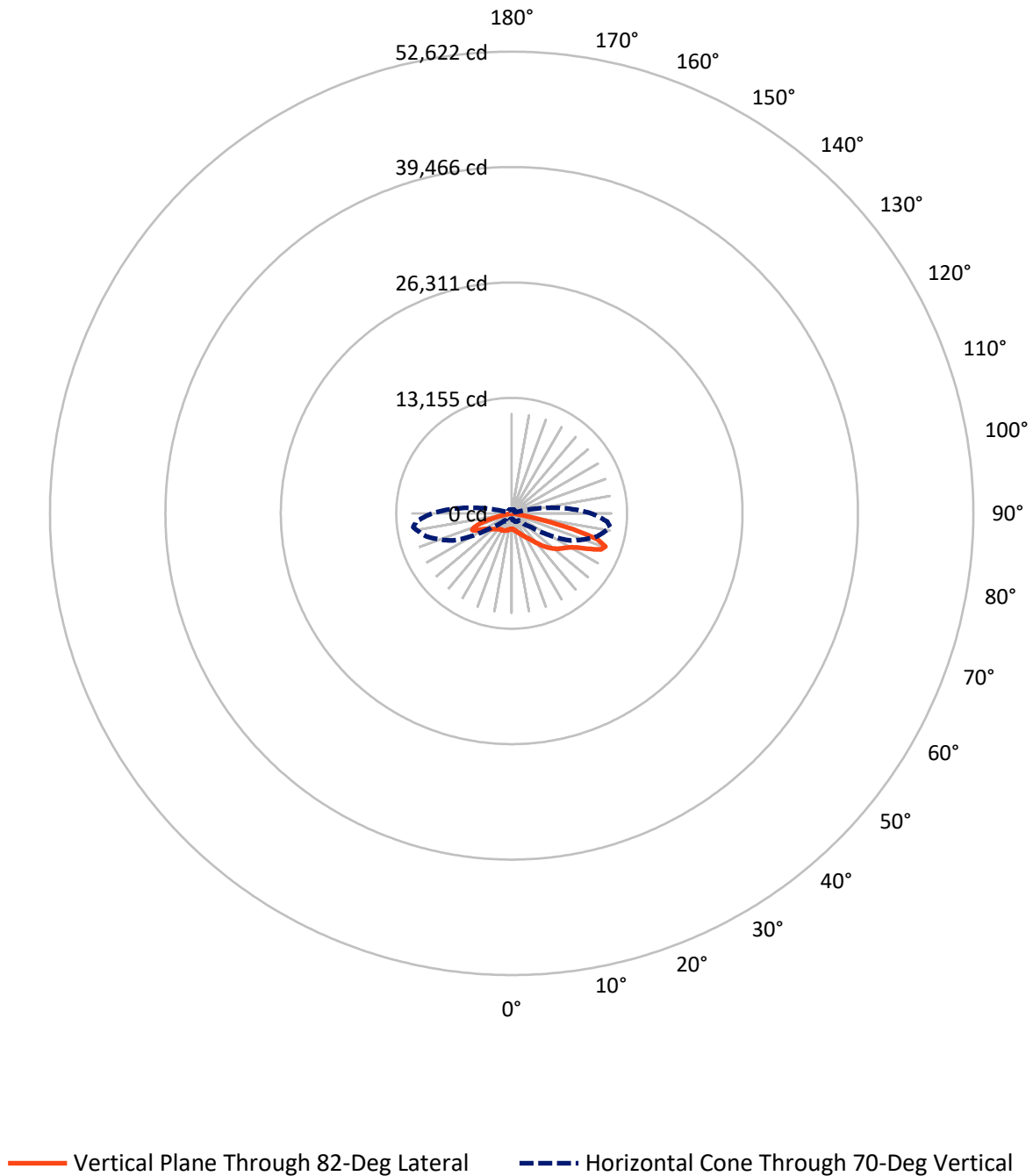
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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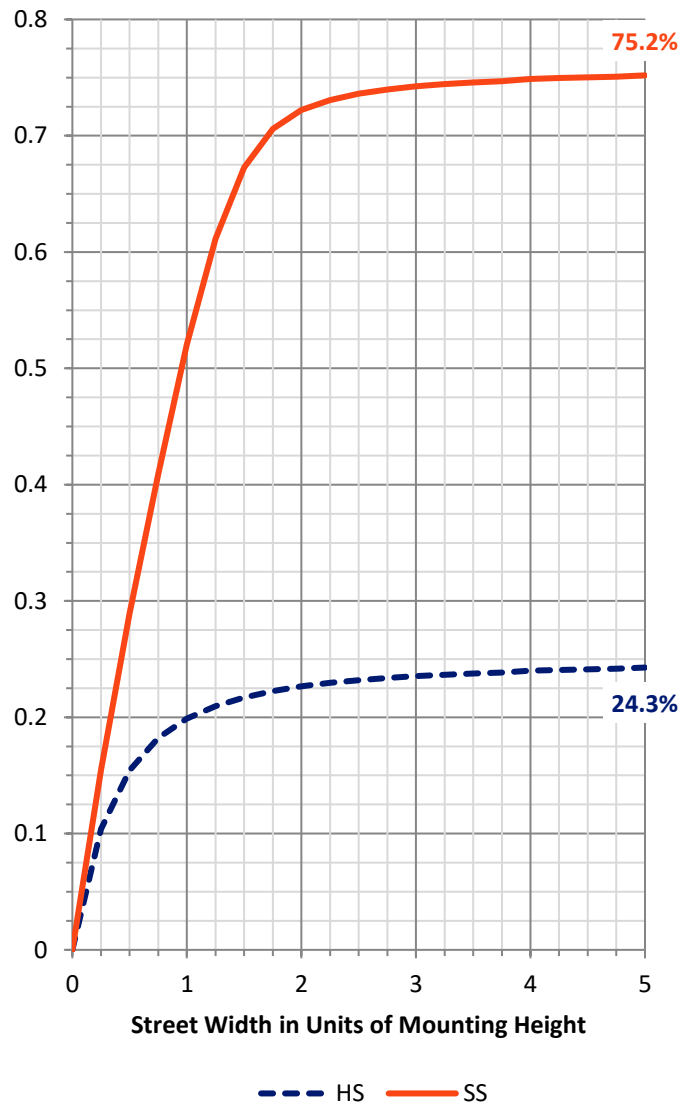
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2990.6   | 0.0    | 2990.6  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 9140.4   | 0.0    | 9140.4  |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 12131.0  | 0.0    | 12131.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 167.9   | 1.4       |
| 10°-20°   | 482.5   | 4.0       |
| 20°-30°   | 807.1   | 6.7       |
| 30°-40°   | 1260.9  | 10.4      |
| 40°-50°   | 2008.2  | 16.6      |
| 50°-60°   | 2794.6  | 23.0      |
| 60°-70°   | 2923.3  | 24.1      |
| 70°-80°   | 1527.9  | 12.6      |
| 80°-90°   | 158.7   | 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°    | 12131.0 | 100.0     |
| 0°-180°   | 12131.0 | 100.0     |

**Coefficient of Utilization**



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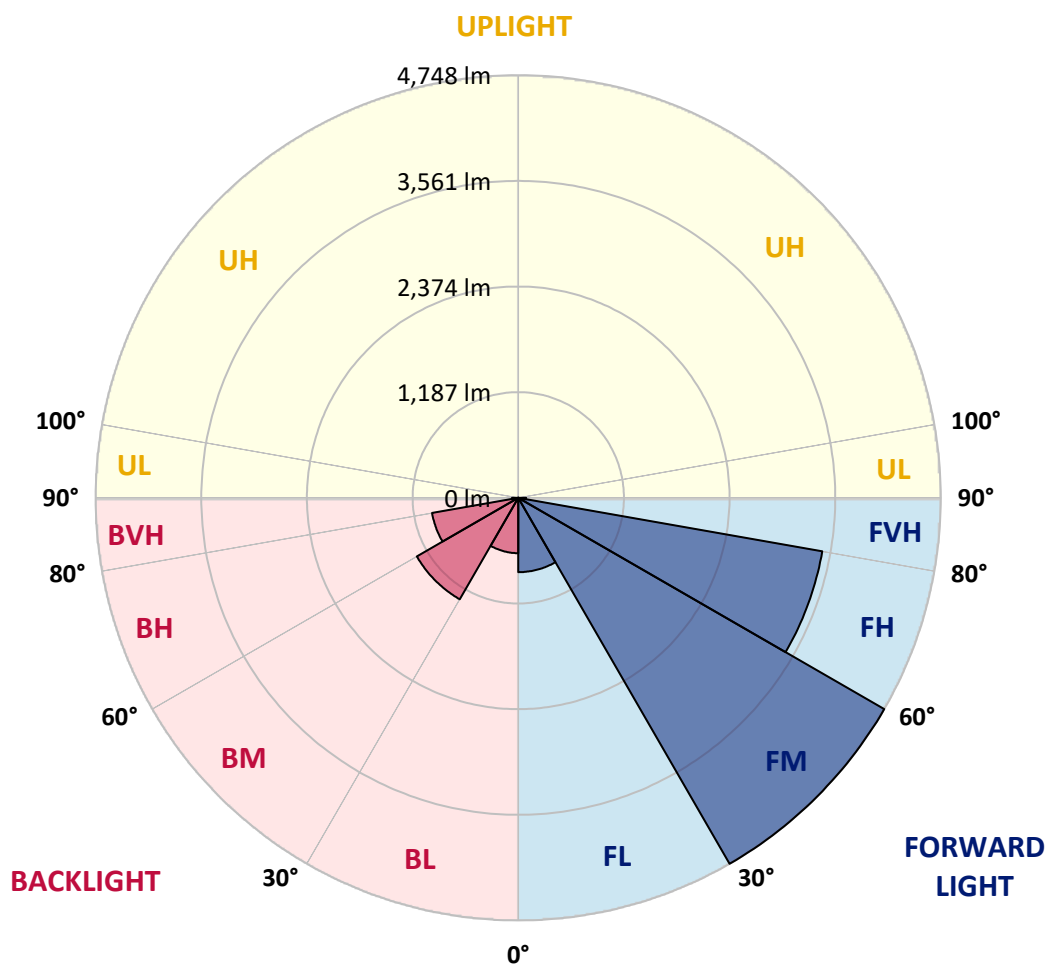
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 835.4  | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 4748.0 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 3468.3 | 28.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 88.8   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 622.2  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1315.7 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 982.9  | 8.1       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 69.8   | 0.6       |                         |      | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6  | 1778.6  |
| 2.5°  | 1821.0 | 1831.3 | 1828.1 | 1824.9 | 1824.9 | 1820.4 | 1819.8 | 1813.3 | 1808.2  | 1799.8  |
| 5°    | 1844.2 | 1855.2 | 1853.9 | 1856.4 | 1864.8 | 1866.7 | 1868.7 | 1864.8 | 1854.5  | 1844.2  |
| 7.5°  | 1823.6 | 1835.8 | 1839.7 | 1855.2 | 1880.9 | 1904.1 | 1921.5 | 1928.5 | 1918.9  | 1904.1  |
| 10°   | 1754.1 | 1767.6 | 1781.1 | 1817.8 | 1863.5 | 1918.2 | 1964.6 | 1992.3 | 1990.3  | 1976.2  |
| 12.5° | 1613.1 | 1627.3 | 1656.3 | 1727.7 | 1811.4 | 1907.9 | 1994.2 | 2052.1 | 2072.1  | 2061.8  |
| 15°   | 1500.5 | 1512.7 | 1534.6 | 1608.0 | 1716.8 | 1863.5 | 2005.1 | 2117.8 | 2168.6  | 2162.8  |
| 17.5° | 1497.3 | 1502.4 | 1515.9 | 1550.7 | 1634.4 | 1794.0 | 1993.6 | 2182.2 | 2279.4  | 2278.7  |
| 20°   | 1553.9 | 1555.8 | 1563.6 | 1570.6 | 1618.3 | 1741.2 | 1963.9 | 2235.6 | 2403.6  | 2403.6  |
| 22.5° | 1632.4 | 1631.1 | 1638.9 | 1632.4 | 1655.6 | 1736.7 | 1945.3 | 2282.6 | 2542.0  | 2552.3  |
| 25°   | 1750.2 | 1743.8 | 1741.9 | 1727.1 | 1731.6 | 1778.6 | 1965.9 | 2336.0 | 2706.1  | 2727.4  |
| 27.5° | 1907.3 | 1897.0 | 1889.9 | 1855.8 | 1844.2 | 1864.8 | 2029.0 | 2400.4 | 2888.9  | 2925.6  |
| 30°   | 2112.0 | 2093.3 | 2083.0 | 2023.8 | 1982.0 | 1985.2 | 2124.2 | 2486.0 | 3080.1  | 3139.3  |
| 32.5° | 2391.4 | 2362.4 | 2334.7 | 2237.5 | 2160.9 | 2135.8 | 2247.2 | 2604.4 | 3287.4  | 3382.0  |
| 35°   | 2704.2 | 2681.0 | 2651.4 | 2501.4 | 2383.6 | 2325.7 | 2413.2 | 2769.9 | 3530.1  | 3680.1  |
| 37.5° | 3005.5 | 2985.5 | 2999.7 | 2797.5 | 2645.6 | 2561.3 | 2630.8 | 2991.9 | 3829.4  | 4050.8  |
| 40°   | 3317.0 | 3301.6 | 3303.5 | 3110.4 | 2933.4 | 2838.7 | 2894.7 | 3270.7 | 4172.5  | 4491.8  |
| 42.5° | 3655.6 | 3644.0 | 3605.4 | 3434.2 | 3235.3 | 3147.1 | 3198.6 | 3592.5 | 4540.7  | 4993.9  |
| 45°   | 4034.7 | 4027.7 | 3991.6 | 3795.3 | 3567.4 | 3468.3 | 3537.8 | 3947.8 | 4910.8  | 5466.3  |
| 47.5° | 4362.4 | 4368.2 | 4363.7 | 4198.2 | 3962.0 | 3816.5 | 3899.6 | 4318.6 | 5255.2  | 5910.5  |
| 50°   | 4520.1 | 4550.3 | 4594.8 | 4543.3 | 4396.5 | 4248.5 | 4264.5 | 4676.5 | 5583.5  | 6327.0  |
| 52.5° | 4437.7 | 4495.0 | 4616.0 | 4698.4 | 4755.0 | 4724.1 | 4681.0 | 5031.8 | 5892.5  | 6702.9  |
| 55°   | 4130.7 | 4211.1 | 4412.0 | 4610.9 | 4899.9 | 5124.5 | 5181.2 | 5425.8 | 6193.7  | 7033.8  |
| 57.5° | 3571.3 | 3701.9 | 3882.2 | 4284.5 | 4771.1 | 5318.3 | 5764.4 | 5972.3 | 6513.0  | 7387.2  |
| 60°   | 2612.2 | 2787.2 | 3011.3 | 3609.9 | 4320.5 | 5214.7 | 6260.7 | 6811.7 | 6966.8  | 7844.8  |
| 62.5° | 1671.7 | 1779.8 | 1985.8 | 2549.7 | 3366.6 | 4683.6 | 6412.6 | 7860.9 | 7736.0  | 8595.4  |
| 65°   | 1144.5 | 1214.0 | 1402.6 | 1719.3 | 2176.4 | 3486.3 | 6005.8 | 8647.5 | 8957.8  | 9785.0  |
| 67.5° | 831.7  | 884.5  | 1045.4 | 1322.8 | 1418.1 | 2063.1 | 4660.4 | 8611.5 | 10145.4 | 11010.6 |
| 70°   | 606.4  | 643.7  | 778.9  | 1045.4 | 1091.1 | 1147.7 | 2823.3 | 7320.2 | 10119.7 | 11336.3 |
| 72.5° | 449.3  | 475.1  | 565.8  | 811.1  | 883.2  | 775.0  | 1397.5 | 5320.2 | 8695.8  | 10253.6 |
| 75°   | 325.1  | 344.4  | 411.3  | 620.5  | 706.8  | 590.3  | 697.1  | 3109.1 | 6065.6  | 7212.7  |
| 77.5° | 248.5  | 263.3  | 307.0  | 454.5  | 565.8  | 442.9  | 432.6  | 1430.3 | 2876.1  | 2890.2  |
| 80°   | 199.5  | 209.2  | 233.0  | 319.9  | 433.9  | 331.5  | 281.9  | 577.4  | 908.9   | 769.2   |
| 82.5° | 146.8  | 162.9  | 197.0  | 224.7  | 310.3  | 228.5  | 171.9  | 291.6  | 345.7   | 297.4   |
| 85°   | 83.7   | 94.6   | 119.1  | 160.9  | 198.3  | 139.7  | 98.5   | 129.4  | 160.9   | 132.0   |
| 87.5° | 29.6   | 38.6   | 41.8   | 63.1   | 86.3   | 57.9   | 38.0   | 37.3   | 52.8    | 39.3    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1778.6  | 0°    | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 |
| 1797.9  | 2.5°  | 1791.4 | 1788.2 | 1775.3 | 1758.0 | 1739.9 | 1722.6 | 1716.8 | 1704.5 | 1696.2 | 1691.7 |
| 1839.7  | 5°    | 1827.5 | 1817.2 | 1786.9 | 1748.3 | 1707.7 | 1664.0 | 1633.1 | 1604.8 | 1584.2 | 1564.8 |
| 1897.0  | 7.5°  | 1879.0 | 1861.0 | 1808.8 | 1741.2 | 1669.1 | 1596.4 | 1542.3 | 1501.1 | 1473.4 | 1455.4 |
| 1963.9  | 10°   | 1938.8 | 1911.2 | 1831.3 | 1730.3 | 1618.9 | 1514.6 | 1450.9 | 1415.5 | 1398.1 | 1388.5 |
| 2040.5  | 12.5° | 2007.7 | 1968.4 | 1854.5 | 1705.2 | 1542.3 | 1423.2 | 1379.5 | 1369.2 | 1369.8 | 1370.4 |
| 2137.1  | 15°   | 2092.7 | 2038.0 | 1873.2 | 1650.5 | 1442.5 | 1353.1 | 1345.3 | 1362.1 | 1379.5 | 1387.8 |
| 2246.5  | 17.5° | 2188.6 | 2111.4 | 1876.4 | 1560.3 | 1344.7 | 1308.0 | 1332.5 | 1368.5 | 1394.9 | 1406.5 |
| 2368.8  | 20°   | 2291.6 | 2186.0 | 1853.2 | 1432.9 | 1264.2 | 1271.3 | 1315.1 | 1361.4 | 1390.4 | 1405.2 |
| 2508.5  | 22.5° | 2409.4 | 2265.8 | 1797.9 | 1299.0 | 1198.6 | 1231.4 | 1282.9 | 1328.0 | 1358.2 | 1373.0 |
| 2672.7  | 25°   | 2543.9 | 2355.3 | 1711.0 | 1186.3 | 1141.9 | 1186.3 | 1237.8 | 1275.2 | 1299.6 | 1313.2 |
| 2856.1  | 27.5° | 2693.3 | 2448.7 | 1595.1 | 1096.9 | 1092.4 | 1140.0 | 1182.5 | 1211.5 | 1224.3 | 1234.6 |
| 3051.2  | 30°   | 2843.2 | 2533.6 | 1454.8 | 1029.3 | 1049.2 | 1094.3 | 1124.6 | 1137.4 | 1141.3 | 1143.2 |
| 3268.7  | 32.5° | 3005.5 | 2607.0 | 1307.4 | 973.3  | 1008.0 | 1049.9 | 1067.9 | 1073.7 | 1055.7 | 1043.4 |
| 3532.7  | 35°   | 3201.8 | 2685.5 | 1163.2 | 928.9  | 967.5  | 1003.5 | 1009.3 | 1004.2 | 982.9  | 957.8  |
| 3863.5  | 37.5° | 3444.5 | 2783.4 | 1048.0 | 897.3  | 929.5  | 953.3  | 946.2  | 945.0  | 946.9  | 917.3  |
| 4261.3  | 40°   | 3741.9 | 2910.8 | 963.6  | 872.9  | 898.6  | 903.8  | 883.8  | 894.7  | 904.4  | 859.3  |
| 4697.8  | 42.5° | 4072.1 | 3064.7 | 910.2  | 856.1  | 872.9  | 860.6  | 829.7  | 842.0  | 840.7  | 781.5  |
| 5136.1  | 45°   | 4408.7 | 3232.0 | 891.5  | 843.9  | 849.0  | 824.6  | 790.5  | 793.7  | 766.7  | 713.2  |
| 5556.5  | 47.5° | 4743.5 | 3411.6 | 903.1  | 833.6  | 819.4  | 791.8  | 765.4  | 751.2  | 711.3  | 671.4  |
| 5959.4  | 50°   | 5071.7 | 3600.2 | 945.6  | 813.0  | 778.9  | 762.8  | 743.5  | 718.4  | 675.9  | 641.8  |
| 6340.5  | 52.5° | 5376.2 | 3790.1 | 993.2  | 778.9  | 728.0  | 737.7  | 725.5  | 696.5  | 654.6  | 619.9  |
| 6701.0  | 55°   | 5664.6 | 3980.0 | 1011.9 | 731.9  | 680.4  | 715.8  | 708.7  | 655.3  | 605.1  | 576.8  |
| 7078.2  | 57.5° | 5978.7 | 4208.5 | 991.3  | 672.0  | 641.8  | 690.7  | 663.7  | 604.4  | 575.5  | 554.2  |
| 7569.3  | 60°   | 6413.9 | 4567.1 | 946.9  | 598.0  | 605.1  | 653.4  | 607.0  | 582.6  | 551.0  | 527.2  |
| 8305.7  | 62.5° | 7136.8 | 5235.9 | 875.4  | 524.6  | 562.0  | 598.0  | 580.0  | 555.5  | 523.3  | 500.2  |
| 9564.8  | 65°   | 8205.3 | 6165.4 | 740.9  | 467.3  | 513.7  | 543.9  | 551.0  | 526.6  | 493.1  | 468.6  |
| 10668.1 | 67.5° | 9106.5 | 6748.6 | 560.7  | 419.7  | 464.1  | 500.2  | 520.1  | 496.3  | 460.9  | 437.1  |
| 10926.2 | 70°   | 9056.9 | 6325.0 | 428.1  | 372.7  | 420.3  | 457.0  | 482.8  | 464.1  | 426.1  | 403.6  |
| 9924.6  | 72.5° | 8044.4 | 5291.3 | 346.3  | 325.1  | 375.9  | 412.0  | 442.9  | 428.7  | 390.1  | 368.2  |
| 7270.6  | 75°   | 5909.9 | 3756.0 | 276.8  | 276.8  | 320.6  | 365.0  | 399.1  | 390.1  | 354.7  | 339.2  |
| 3052.4  | 77.5° | 2491.1 | 1575.8 | 216.9  | 229.8  | 266.5  | 313.5  | 356.0  | 359.2  | 328.3  | 347.6  |
| 807.2   | 80°   | 662.4  | 434.5  | 165.4  | 180.9  | 209.2  | 258.8  | 309.6  | 308.3  | 274.9  | 256.8  |
| 300.0   | 82.5° | 252.3  | 171.2  | 117.8  | 127.5  | 151.3  | 198.3  | 245.3  | 253.0  | 219.5  | 189.9  |
| 117.8   | 85°   | 97.2   | 73.4   | 72.7   | 76.6   | 88.2   | 131.3  | 185.4  | 191.8  | 165.4  | 140.3  |
| 32.8    | 87.5° | 25.1   | 21.9   | 27.0   | 25.7   | 40.6   | 70.2   | 106.2  | 110.1  | 101.1  | 58.6   |
| 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°   |
|--------|
| 1778.6 |
| 1696.8 |
| 1572.6 |
| 1459.3 |
| 1391.0 |
| 1371.7 |
| 1387.2 |
| 1409.1 |
| 1409.1 |
| 1376.9 |
| 1317.0 |
| 1238.5 |
| 1147.7 |
| 1047.3 |
| 959.1  |
| 919.2  |
| 860.6  |
| 780.8  |
| 715.2  |
| 671.4  |
| 639.2  |
| 620.5  |
| 574.2  |
| 552.3  |
| 525.9  |
| 500.2  |
| 469.9  |
| 437.7  |
| 405.5  |
| 368.2  |
| 334.7  |
| 315.4  |
| 238.8  |
| 189.9  |
| 144.8  |
| 83.7   |
| 0.0    |