

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: P949739

Luminaire Tested: **GLAN-SB4B-927-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949739  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13921 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 147  
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



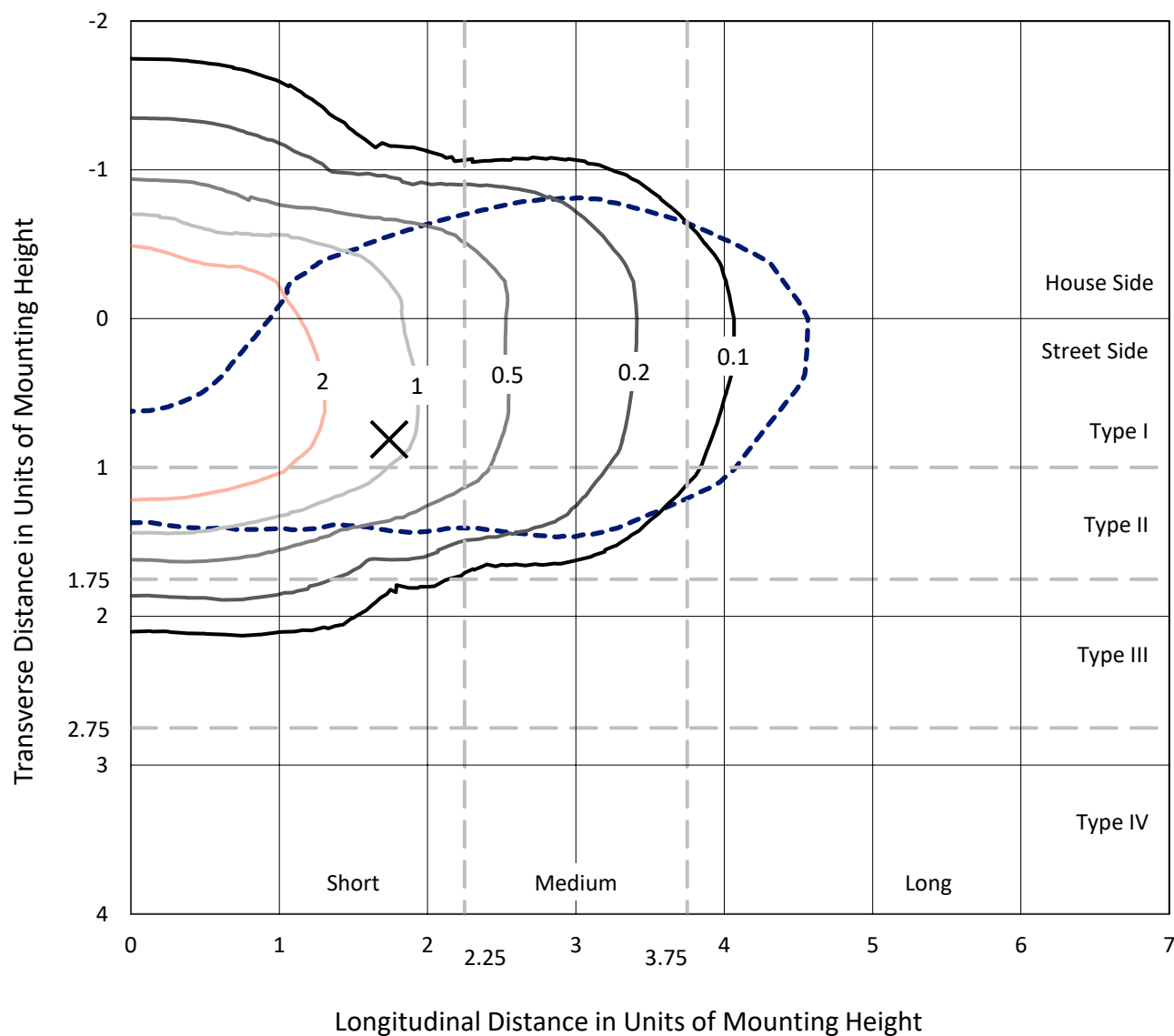
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



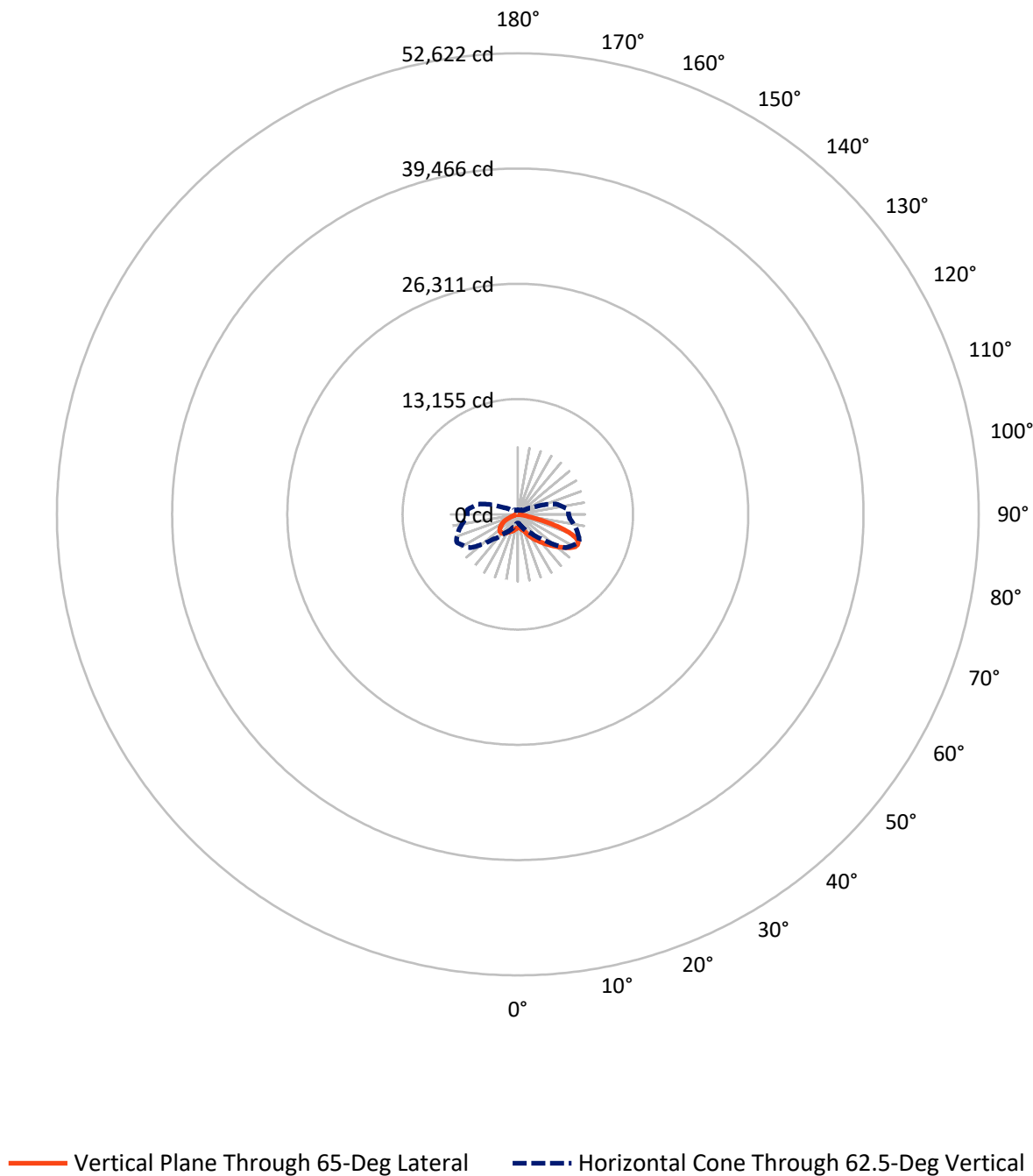
Based on 25 foot mounting height. Maximum calculated value = 3.9 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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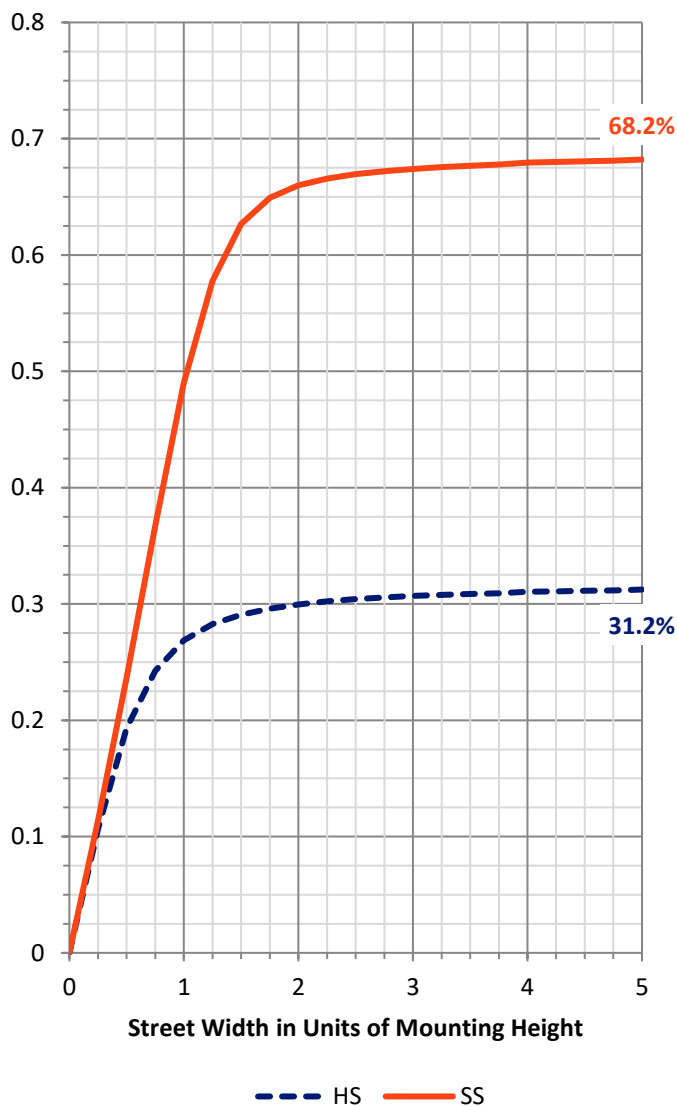
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4392.9   | 0.0    | 4392.9  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 9528.1   | 0.0    | 9528.1  |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 13921.0  | 0.0    | 13921.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 152.9   | 1.1       |
| 10°-20°   | 518.6   | 3.7       |
| 20°-30°   | 1051.6  | 7.6       |
| 30°-40°   | 1819.8  | 13.1      |
| 40°-50°   | 2753.9  | 19.8      |
| 50°-60°   | 3228.7  | 23.2      |
| 60°-70°   | 2706.9  | 19.4      |
| 70°-80°   | 1494.4  | 10.7      |
| 80°-90°   | 194.1   | 1.4       |
| 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°    | 13921.0 | 100.0     |
| 0°-180°   | 13921.0 | 100.0     |

**Coefficient of Utilization**



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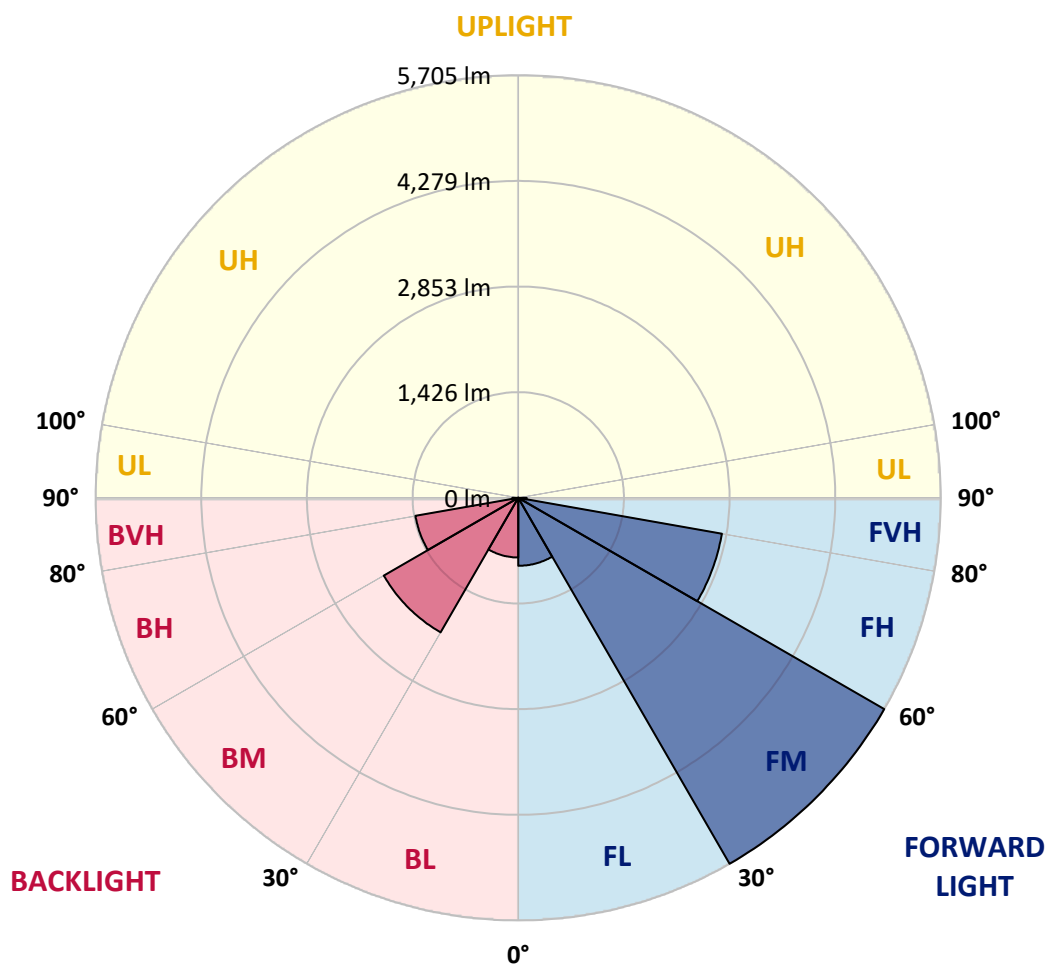
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 917.6  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 5705.3 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 2792.1 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 113.1  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 805.6  | 5.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2097.1 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1409.2 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 81.0   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 |
| 2.5°  | 1523.9 | 1519.6 | 1523.2 | 1523.2 | 1524.6 | 1523.9 | 1529.0 | 1530.4 | 1532.6 | 1536.9 |
| 5°    | 1508.8 | 1508.0 | 1514.5 | 1520.3 | 1526.1 | 1531.1 | 1537.6 | 1547.0 | 1548.5 | 1553.5 |
| 7.5°  | 1503.7 | 1499.4 | 1509.5 | 1516.7 | 1530.4 | 1542.7 | 1560.0 | 1575.9 | 1582.4 | 1584.6 |
| 10°   | 1542.7 | 1535.5 | 1544.9 | 1549.2 | 1560.8 | 1573.0 | 1593.3 | 1618.5 | 1625.8 | 1634.4 |
| 12.5° | 1609.1 | 1601.2 | 1614.9 | 1621.4 | 1632.3 | 1643.1 | 1656.8 | 1681.4 | 1685.0 | 1700.9 |
| 15°   | 1700.1 | 1690.8 | 1699.4 | 1707.4 | 1725.4 | 1735.5 | 1749.3 | 1773.1 | 1773.1 | 1785.4 |
| 17.5° | 1823.7 | 1811.4 | 1817.9 | 1820.8 | 1832.3 | 1847.5 | 1870.6 | 1891.5 | 1902.4 | 1898.0 |
| 20°   | 2007.8 | 1992.7 | 1992.7 | 1978.2 | 1973.9 | 1986.2 | 2016.5 | 2045.4 | 2056.9 | 2034.5 |
| 22.5° | 2284.4 | 2262.8 | 2250.5 | 2201.4 | 2181.9 | 2183.3 | 2213.7 | 2249.0 | 2258.4 | 2218.7 |
| 25°   | 2636.2 | 2602.2 | 2585.6 | 2513.4 | 2469.3 | 2431.1 | 2454.9 | 2500.4 | 2513.4 | 2464.3 |
| 27.5° | 2987.9 | 2990.1 | 2974.2 | 2887.5 | 2814.6 | 2744.5 | 2732.2 | 2779.9 | 2793.6 | 2738.0 |
| 30°   | 3481.2 | 3429.9 | 3399.6 | 3295.6 | 3191.6 | 3093.3 | 3042.8 | 3062.3 | 3065.9 | 2999.5 |
| 32.5° | 3906.6 | 3893.6 | 3828.6 | 3737.6 | 3604.0 | 3450.1 | 3365.6 | 3334.6 | 3328.8 | 3234.2 |
| 35°   | 4391.2 | 4384.0 | 4315.4 | 4207.0 | 4062.6 | 3848.8 | 3696.4 | 3607.6 | 3600.4 | 3467.5 |
| 37.5° | 4883.8 | 4883.8 | 4816.6 | 4698.2 | 4548.7 | 4281.4 | 4049.6 | 3908.8 | 3885.6 | 3712.3 |
| 40°   | 5276.7 | 5252.8 | 5265.1 | 5215.3 | 5044.1 | 4760.3 | 4441.8 | 4237.4 | 4206.3 | 3998.3 |
| 42.5° | 5499.8 | 5491.9 | 5565.6 | 5621.2 | 5551.1 | 5324.3 | 4873.7 | 4593.4 | 4550.1 | 4313.2 |
| 45°   | 5549.7 | 5541.0 | 5672.5 | 5876.1 | 5974.4 | 5881.2 | 5343.1 | 4968.3 | 4915.6 | 4642.5 |
| 47.5° | 5434.8 | 5417.5 | 5610.3 | 5931.7 | 6246.6 | 6410.6 | 5851.6 | 5374.9 | 5298.3 | 4963.2 |
| 50°   | 5089.6 | 5073.0 | 5364.8 | 5791.6 | 6338.4 | 6770.3 | 6403.4 | 5806.1 | 5689.1 | 5307.0 |
| 52.5° | 4339.2 | 4347.2 | 4804.3 | 5390.8 | 6217.7 | 6994.2 | 6878.6 | 6260.4 | 6119.5 | 5658.7 |
| 55°   | 3380.1 | 3397.4 | 3959.3 | 4605.0 | 5735.3 | 6960.2 | 7202.9 | 6728.4 | 6588.3 | 5989.5 |
| 57.5° | 2420.2 | 2496.8 | 3023.3 | 3662.5 | 4808.7 | 6422.1 | 7273.7 | 7173.3 | 7037.5 | 6350.6 |
| 60°   | 1568.7 | 1582.4 | 2124.1 | 2768.3 | 3661.7 | 5465.9 | 7129.9 | 7510.6 | 7404.4 | 6719.0 |
| 62.5° | 1005.4 | 1014.7 | 1344.8 | 1936.3 | 2635.4 | 4043.8 | 6646.0 | 7657.2 | 7624.7 | 6962.4 |
| 65°   | 738.8  | 731.6  | 903.5  | 1279.8 | 1775.3 | 2493.9 | 5706.4 | 7586.4 | 7650.7 | 7114.8 |
| 67.5° | 616.8  | 606.7  | 691.2  | 886.2  | 1308.0 | 1416.3 | 4222.2 | 7126.3 | 7361.8 | 7097.4 |
| 70°   | 561.9  | 553.2  | 604.5  | 658.0  | 1020.5 | 948.3  | 2128.4 | 6195.4 | 6557.9 | 6900.3 |
| 72.5° | 476.0  | 460.8  | 530.8  | 584.3  | 793.7  | 727.3  | 879.7  | 4758.8 | 5200.8 | 6268.3 |
| 75°   | 369.1  | 359.0  | 418.9  | 514.2  | 596.6  | 567.7  | 556.1  | 2889.7 | 3372.1 | 4847.7 |
| 77.5° | 292.5  | 278.8  | 333.7  | 400.8  | 536.6  | 428.3  | 405.2  | 1244.4 | 1722.5 | 3094.8 |
| 80°   | 220.3  | 208.0  | 253.5  | 317.1  | 412.4  | 322.8  | 262.2  | 507.7  | 649.3  | 1568.0 |
| 82.5° | 156.7  | 145.9  | 176.9  | 232.6  | 277.3  | 289.6  | 161.1  | 284.6  | 320.0  | 604.5  |
| 85°   | 100.4  | 93.9   | 118.4  | 145.9  | 176.2  | 186.3  | 98.2   | 148.8  | 163.2  | 249.2  |
| 87.5° | 54.9   | 44.8   | 63.6   | 67.9   | 81.6   | 74.4   | 46.9   | 54.2   | 58.5   | 90.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1534.0 | 0°    | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 | 1534.0 |
| 1536.9 | 2.5°  | 1539.8 | 1542.0 | 1549.2 | 1551.4 | 1556.4 | 1562.9 | 1567.3 | 1571.6 | 1571.6 | 1575.9 |
| 1560.0 | 5°    | 1560.8 | 1565.8 | 1581.0 | 1588.9 | 1601.9 | 1614.9 | 1622.9 | 1632.3 | 1638.0 | 1640.9 |
| 1596.9 | 7.5°  | 1601.2 | 1609.1 | 1630.8 | 1644.5 | 1666.9 | 1685.0 | 1697.3 | 1710.3 | 1713.1 | 1721.1 |
| 1648.1 | 10°   | 1656.1 | 1665.5 | 1690.0 | 1716.0 | 1742.8 | 1765.2 | 1776.7 | 1786.1 | 1789.7 | 1791.2 |
| 1713.9 | 12.5° | 1718.9 | 1732.6 | 1764.4 | 1796.2 | 1824.4 | 1843.9 | 1846.8 | 1844.6 | 1834.5 | 1825.8 |
| 1794.8 | 15°   | 1796.2 | 1808.5 | 1843.9 | 1878.5 | 1906.0 | 1909.6 | 1891.5 | 1880.0 | 1867.7 | 1865.5 |
| 1885.0 | 17.5° | 1888.7 | 1895.2 | 1927.7 | 1961.6 | 1963.8 | 1951.5 | 1924.8 | 1913.9 | 1902.4 | 1894.4 |
| 2002.8 | 20°   | 1996.3 | 1994.1 | 2017.2 | 2031.7 | 2016.5 | 1978.9 | 1938.5 | 1920.4 | 1908.9 | 1899.5 |
| 2147.2 | 22.5° | 2124.8 | 2108.2 | 2105.3 | 2101.7 | 2061.3 | 1982.5 | 1927.7 | 1904.5 | 1886.5 | 1873.5 |
| 2348.7 | 25°   | 2311.9 | 2248.3 | 2204.3 | 2179.7 | 2088.7 | 1963.0 | 1893.0 | 1841.7 | 1807.8 | 1785.4 |
| 2595.0 | 27.5° | 2545.9 | 2439.0 | 2327.8 | 2267.8 | 2088.7 | 1923.3 | 1809.2 | 1726.1 | 1670.5 | 1647.4 |
| 2833.3 | 30°   | 2769.1 | 2657.1 | 2493.2 | 2374.0 | 2083.7 | 1858.3 | 1674.1 | 1558.6 | 1493.6 | 1470.5 |
| 3037.0 | 32.5° | 2959.7 | 2837.7 | 2668.7 | 2490.3 | 2071.4 | 1752.9 | 1506.6 | 1378.8 | 1315.9 | 1288.5 |
| 3238.5 | 35°   | 3136.7 | 3006.7 | 2844.9 | 2618.1 | 2038.9 | 1598.3 | 1322.4 | 1224.9 | 1154.9 | 1110.8 |
| 3443.6 | 37.5° | 3318.0 | 3163.4 | 3011.7 | 2733.7 | 1980.4 | 1417.8 | 1180.9 | 1097.8 | 1015.5 | 956.2  |
| 3661.7 | 40°   | 3515.1 | 3330.2 | 3190.1 | 2802.3 | 1884.3 | 1245.9 | 1071.1 | 995.2  | 907.9  | 845.0  |
| 3913.1 | 42.5° | 3745.5 | 3530.3 | 3388.7 | 2837.7 | 1752.9 | 1123.8 | 999.6  | 925.2  | 842.9  | 791.6  |
| 4182.5 | 45°   | 3986.0 | 3750.6 | 3570.0 | 2837.0 | 1606.3 | 1066.7 | 976.5  | 902.8  | 811.8  | 758.4  |
| 4459.1 | 47.5° | 4238.1 | 3981.0 | 3726.7 | 2790.7 | 1479.1 | 1074.7 | 963.5  | 854.4  | 754.0  | 702.0  |
| 4738.6 | 50°   | 4490.9 | 4233.0 | 3878.4 | 2704.1 | 1425.0 | 1057.4 | 915.1  | 786.5  | 668.1  | 621.1  |
| 5000.8 | 52.5° | 4741.5 | 4501.0 | 4009.1 | 2580.6 | 1370.1 | 993.1  | 853.0  | 698.4  | 632.7  | 600.2  |
| 5271.6 | 55°   | 4993.6 | 4766.0 | 4151.4 | 2400.7 | 1232.9 | 918.0  | 749.0  | 665.2  | 604.5  | 574.9  |
| 5536.7 | 57.5° | 5246.3 | 5072.3 | 4286.5 | 2220.9 | 1060.2 | 825.5  | 691.9  | 624.7  | 576.3  | 551.1  |
| 5758.4 | 60°   | 5509.2 | 5422.6 | 4425.9 | 2055.5 | 889.8  | 707.1  | 650.0  | 592.2  | 543.1  | 515.0  |
| 5971.5 | 62.5° | 5780.1 | 5808.2 | 4534.9 | 1842.4 | 733.1  | 634.8  | 612.5  | 553.2  | 505.6  | 478.8  |
| 6147.7 | 65°   | 6053.1 | 6180.2 | 4606.4 | 1547.0 | 594.4  | 566.2  | 572.0  | 510.6  | 462.2  | 439.1  |
| 6277.0 | 67.5° | 6258.9 | 6448.1 | 4586.2 | 1170.7 | 487.5  | 501.2  | 521.5  | 465.8  | 420.3  | 402.3  |
| 6256.0 | 70°   | 6282.0 | 6416.4 | 4386.9 | 801.7  | 408.1  | 437.7  | 465.1  | 421.8  | 374.8  | 361.8  |
| 5961.4 | 72.5° | 5974.4 | 5983.0 | 3831.5 | 523.6  | 345.2  | 384.2  | 405.9  | 377.0  | 331.5  | 318.5  |
| 5215.3 | 75°   | 5167.6 | 4948.1 | 2813.1 | 345.2  | 288.9  | 330.1  | 350.3  | 330.1  | 286.0  | 288.9  |
| 3902.3 | 77.5° | 3915.3 | 3504.3 | 1708.1 | 245.6  | 241.2  | 277.3  | 304.8  | 290.3  | 252.8  | 283.8  |
| 1962.3 | 80°   | 2017.2 | 1895.9 | 762.0  | 183.4  | 190.7  | 221.7  | 250.6  | 231.8  | 200.1  | 190.7  |
| 438.4  | 82.5° | 462.2  | 537.3  | 300.5  | 131.4  | 137.9  | 159.6  | 191.4  | 174.1  | 143.7  | 121.3  |
| 182.7  | 85°   | 161.8  | 176.9  | 132.9  | 82.3   | 80.9   | 99.7   | 130.0  | 116.3  | 97.5   | 78.0   |
| 77.3   | 87.5° | 51.3   | 67.2   | 49.8   | 33.2   | 34.7   | 44.8   | 59.9   | 54.9   | 45.5   | 29.6   |
| 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°   |
|--------|
| 1534.0 |
| 1575.9 |
| 1642.4 |
| 1718.2 |
| 1787.5 |
| 1825.8 |
| 1865.5 |
| 1895.2 |
| 1900.2 |
| 1877.8 |
| 1794.0 |
| 1659.0 |
| 1484.2 |
| 1302.2 |
| 1125.2 |
| 972.1  |
| 857.3  |
| 801.7  |
| 767.0  |
| 709.2  |
| 624.0  |
| 600.2  |
| 572.0  |
| 546.7  |
| 512.8  |
| 478.1  |
| 438.4  |
| 403.0  |
| 362.6  |
| 317.8  |
| 278.8  |
| 249.9  |
| 174.1  |
| 119.9  |
| 82.3   |
| 31.1   |
| 0.0    |