

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: P948083

Luminaire Tested: **GLAN-SB3B-727-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-727-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12071 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
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

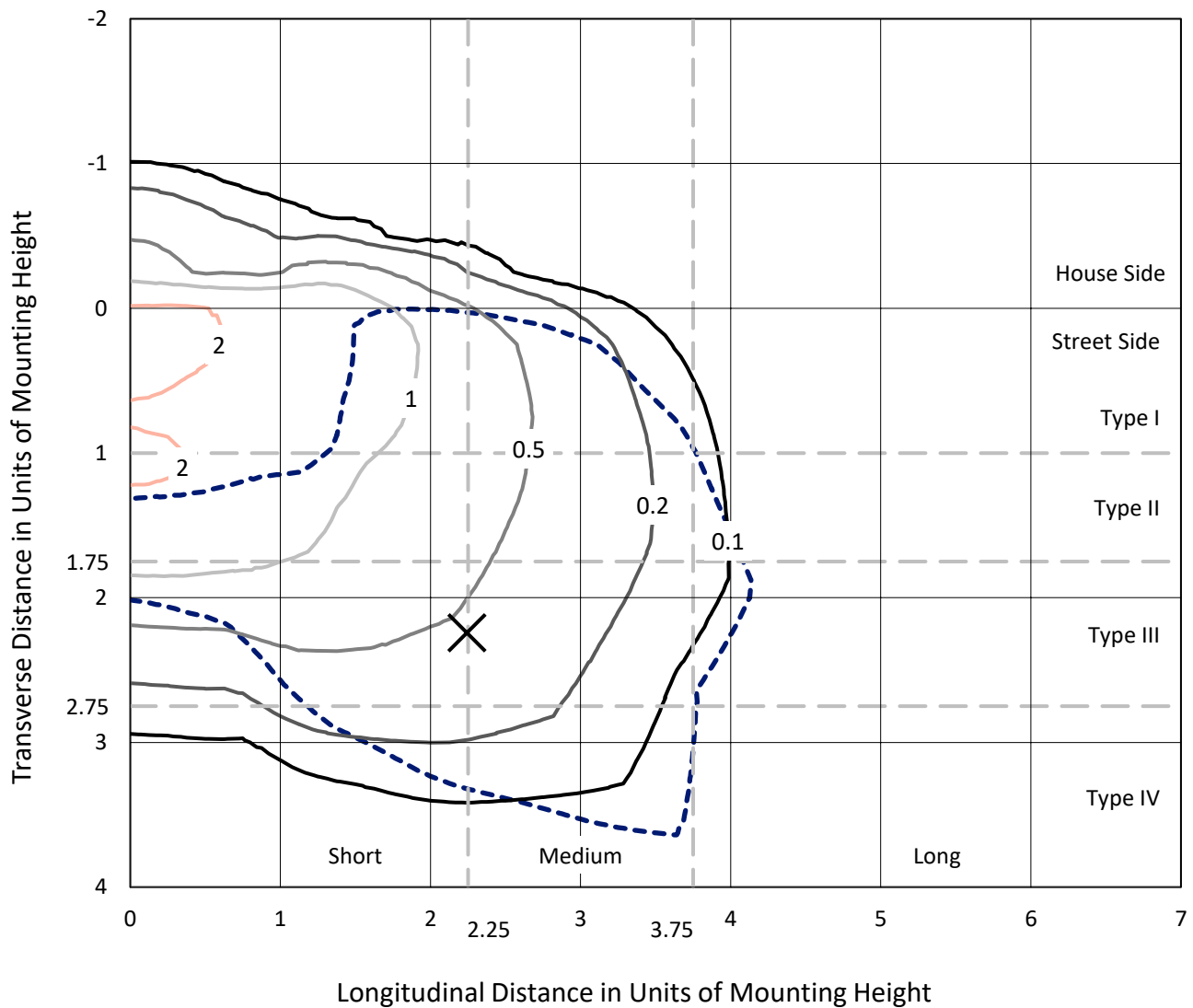


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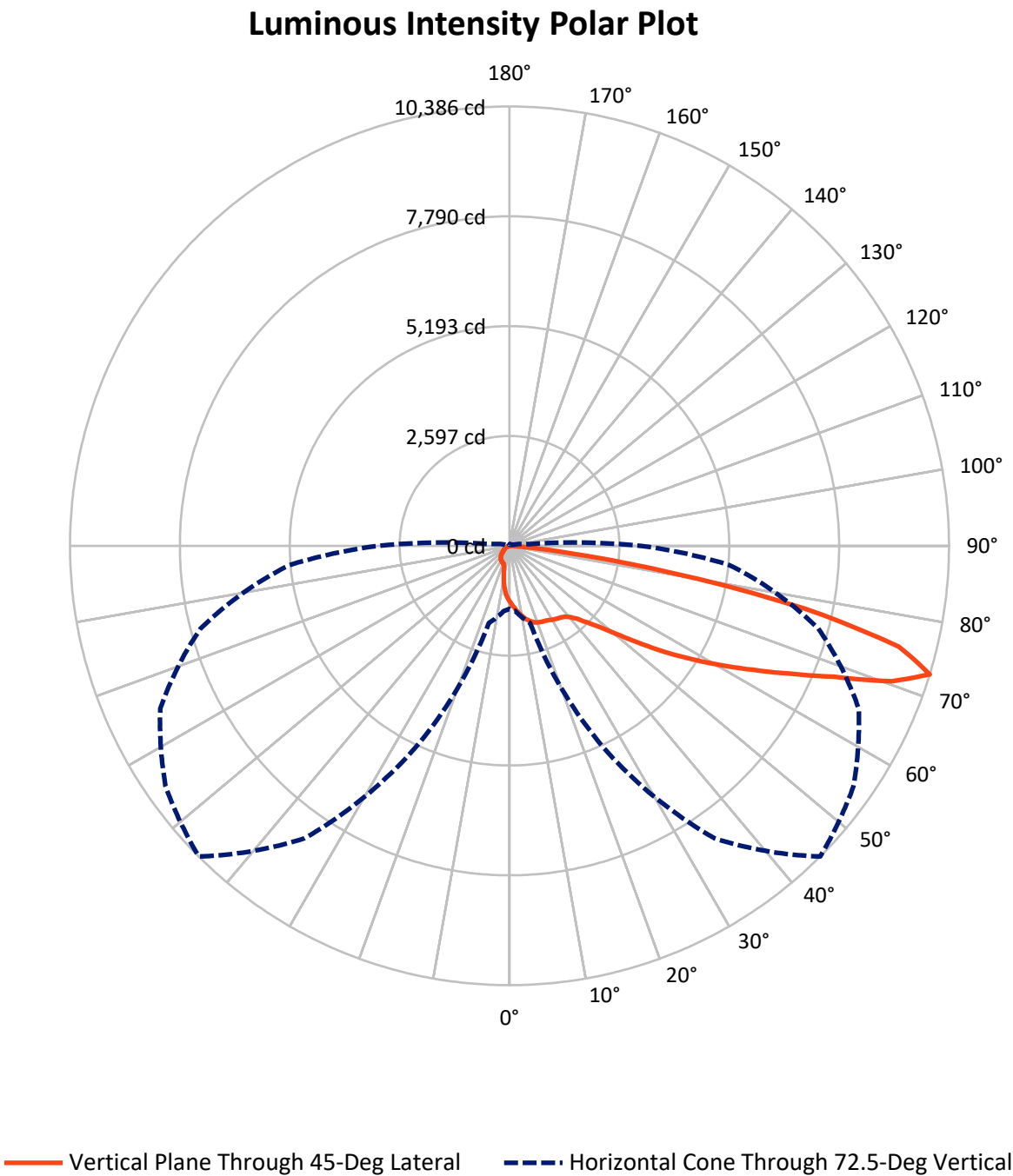
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
Type IV - Short - N/A

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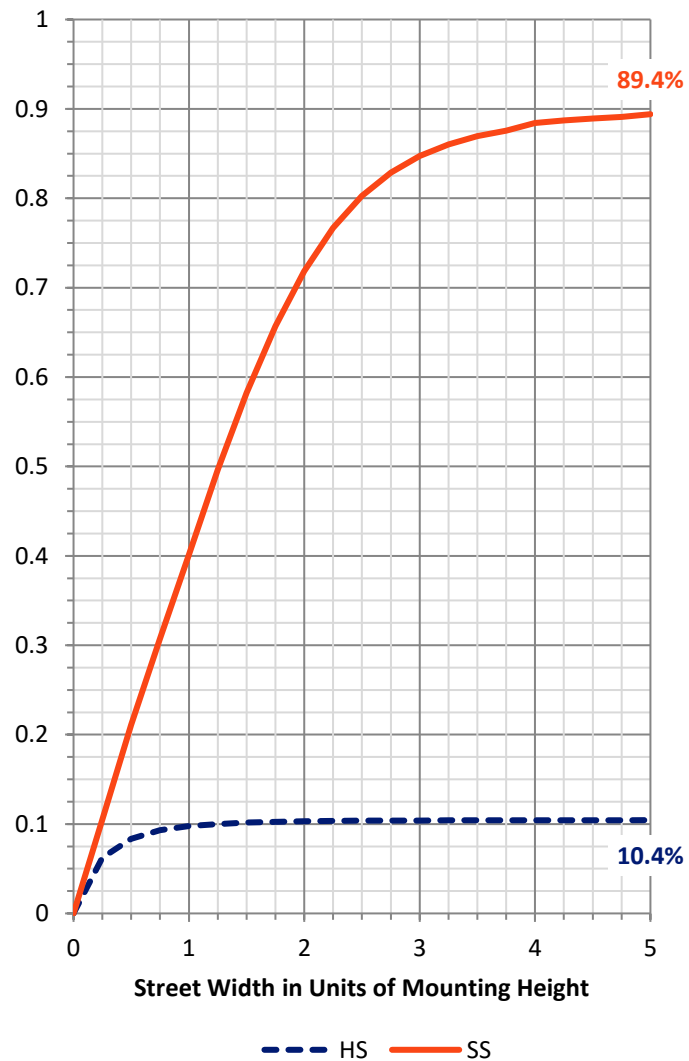
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1268.3   | 0.0    | 1268.3  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 10802.7  | 0.0    | 10802.7 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 12071.0  | 0.0    | 12071.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 124.6   | 1.0       |
| 10°-20°   | 364.1   | 3.0       |
| 20°-30°   | 598.0   | 5.0       |
| 30°-40°   | 848.1   | 7.0       |
| 40°-50°   | 1401.8  | 11.6      |
| 50°-60°   | 2518.2  | 20.9      |
| 60°-70°   | 3496.6  | 29.0      |
| 70°-80°   | 2536.3  | 21.0      |
| 80°-90°   | 183.4   | 1.5       |
| 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°    | 12071.0 | 100.0     |
| 0°-180°   | 12071.0 | 100.0     |

**Coefficient of Utilization**



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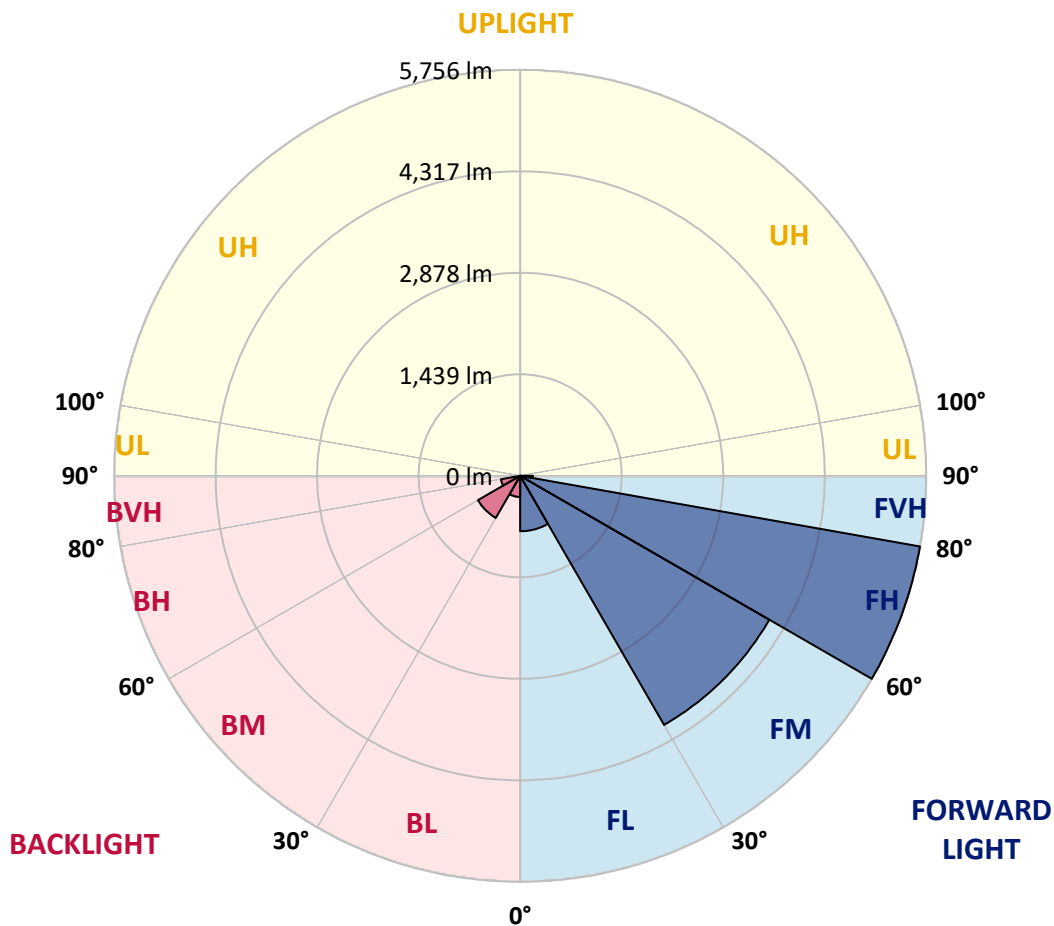
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 786.3  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 4078.2 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 5756.3 | 47.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 181.8  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 300.4  | 2.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 689.8  | 5.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 276.6  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.5    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 46°     | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| 0°    | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4  | 1322.4  | 1322.4 | 1322.4 | 1322.4 |
| 2.5°  | 1444.3 | 1446.8 | 1445.2 | 1435.3 | 1418.8 | 1409.7  | 1404.8  | 1388.3 | 1377.6 | 1358.7 |
| 5°    | 1577.0 | 1586.9 | 1581.1 | 1561.3 | 1530.0 | 1507.8  | 1501.2  | 1467.4 | 1436.9 | 1401.5 |
| 7.5°  | 1717.9 | 1722.8 | 1712.1 | 1686.6 | 1644.6 | 1606.7  | 1600.9  | 1553.9 | 1505.3 | 1450.9 |
| 10°   | 1839.8 | 1845.6 | 1829.1 | 1792.0 | 1744.3 | 1697.3  | 1689.1  | 1637.1 | 1579.5 | 1512.7 |
| 12.5° | 1942.0 | 1947.8 | 1926.3 | 1881.9 | 1829.1 | 1780.5  | 1772.3  | 1717.9 | 1654.4 | 1580.3 |
| 15°   | 2019.4 | 2030.2 | 2001.3 | 1953.5 | 1896.7 | 1848.1  | 1843.9  | 1790.4 | 1728.6 | 1646.2 |
| 17.5° | 2064.8 | 2075.5 | 2048.3 | 1990.6 | 1942.0 | 1900.8  | 1895.9  | 1851.4 | 1793.7 | 1714.6 |
| 20°   | 2072.2 | 2082.1 | 2053.2 | 2003.0 | 1962.6 | 1929.6  | 1927.2  | 1895.0 | 1853.0 | 1777.2 |
| 22.5° | 2049.9 | 2062.3 | 2035.9 | 1995.6 | 1967.5 | 1950.2  | 1946.9  | 1928.8 | 1904.9 | 1840.7 |
| 25°   | 2026.9 | 2036.7 | 2017.0 | 1981.5 | 1966.7 | 1965.1  | 1967.5  | 1964.2 | 1959.3 | 1904.9 |
| 27.5° | 2025.2 | 2035.9 | 2013.7 | 1979.9 | 1971.7 | 1989.0  | 1991.4  | 2007.1 | 2011.2 | 1963.4 |
| 30°   | 2039.2 | 2046.6 | 2025.2 | 1989.8 | 1985.7 | 2025.2  | 2026.0  | 2054.1 | 2060.6 | 2012.9 |
| 32.5° | 2069.7 | 2077.9 | 2056.5 | 2004.6 | 1998.8 | 2054.1  | 2056.5  | 2093.6 | 2104.3 | 2065.6 |
| 35°   | 2141.4 | 2151.3 | 2126.6 | 2045.8 | 2025.2 | 2081.2  | 2088.7  | 2132.3 | 2153.7 | 2121.6 |
| 37.5° | 2320.2 | 2291.3 | 2257.6 | 2129.0 | 2085.4 | 2124.1  | 2136.4  | 2187.5 | 2225.4 | 2188.4 |
| 40°   | 2764.3 | 2673.6 | 2568.2 | 2270.7 | 2190.8 | 2215.5  | 2225.4  | 2276.5 | 2328.4 | 2292.2 |
| 42.5° | 3430.8 | 3323.7 | 3154.0 | 2597.0 | 2349.8 | 2362.2  | 2369.6  | 2414.1 | 2487.4 | 2458.6 |
| 45°   | 4024.9 | 3986.2 | 3813.1 | 3154.0 | 2647.3 | 2586.3  | 2595.4  | 2618.4 | 2726.4 | 2715.7 |
| 47.5° | 4481.3 | 4459.1 | 4325.6 | 3793.4 | 3149.9 | 2860.7  | 2886.2  | 2896.9 | 3052.7 | 3090.6 |
| 50°   | 4832.3 | 4824.1 | 4704.6 | 4361.9 | 3806.5 | 3265.2  | 3274.3  | 3251.2 | 3484.4 | 3578.3 |
| 52.5° | 5163.6 | 5191.6 | 5103.4 | 4890.0 | 4507.7 | 3795.0  | 3793.4  | 3684.6 | 3999.3 | 4141.1 |
| 55°   | 5462.6 | 5472.5 | 5481.6 | 5428.9 | 5213.0 | 4398.1  | 4382.5  | 4204.5 | 4596.7 | 4743.4 |
| 57.5° | 5743.6 | 5747.7 | 5828.5 | 5936.4 | 5947.1 | 5045.7  | 5016.9  | 4803.5 | 5249.2 | 5353.9 |
| 60°   | 5932.3 | 5951.2 | 6121.8 | 6421.7 | 6552.7 | 5713.9  | 5698.3  | 5480.8 | 5913.3 | 5961.9 |
| 62.5° | 5660.4 | 5775.7 | 6205.8 | 6800.7 | 7124.5 | 6454.6  | 6447.2  | 6242.9 | 6612.0 | 6572.5 |
| 65°   | 4581.9 | 4777.1 | 5533.5 | 7056.9 | 7685.6 | 7281.9  | 7292.6  | 7075.1 | 7329.7 | 7201.1 |
| 67.5° | 3205.1 | 3411.1 | 4305.8 | 7077.5 | 8312.6 | 8253.3  | 8315.1  | 7974.0 | 8091.8 | 7803.4 |
| 70°   | 2216.4 | 2322.7 | 2905.2 | 6634.3 | 8801.2 | 9591.3  | 9589.7  | 9078.0 | 8849.8 | 8077.8 |
| 72.5° | 1490.5 | 1545.7 | 1886.8 | 5263.2 | 8442.0 | 10386.4 | 10338.6 | 9921.7 | 9105.2 | 7554.6 |
| 75°   | 628.7  | 669.0  | 873.4  | 2957.9 | 6678.8 | 9502.4  | 9373.0  | 8768.2 | 8090.1 | 5948.8 |
| 77.5° | 199.4  | 216.7  | 344.4  | 1058.7 | 3678.8 | 7142.6  | 7005.9  | 5475.8 | 5422.3 | 2984.3 |
| 80°   | 94.8   | 110.4  | 193.6  | 425.1  | 1447.6 | 3884.8  | 3865.9  | 2484.1 | 2332.5 | 805.8  |
| 82.5° | 41.2   | 48.6   | 107.1  | 227.4  | 647.6  | 1385.8  | 1413.9  | 845.3  | 699.5  | 305.7  |
| 85°   | 13.2   | 17.3   | 49.4   | 104.6  | 273.5  | 344.4   | 340.3   | 201.0  | 281.8  | 166.4  |
| 87.5° | 0.0    | 0.0    | 16.5   | 23.9   | 28.0   | 19.8    | 22.2    | 17.3   | 78.3   | 46.1   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1322.4 | 0°    | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 |
| 1338.9 | 2.5°  | 1329.0 | 1315.8 | 1292.7 | 1271.3 | 1252.4 | 1233.4 | 1221.9 | 1205.4 | 1203.8 | 1203.8 |
| 1360.3 | 5°    | 1338.1 | 1316.6 | 1275.4 | 1231.8 | 1181.5 | 1133.7 | 1085.9 | 1039.8 | 1025.0 | 1014.3 |
| 1394.9 | 7.5°  | 1364.4 | 1330.6 | 1265.6 | 1182.3 | 1086.8 | 982.1  | 908.8  | 829.7  | 799.2  | 782.7  |
| 1441.0 | 10°   | 1402.3 | 1356.2 | 1257.3 | 1111.5 | 956.6  | 814.0  | 709.4  | 623.7  | 590.8  | 576.7  |
| 1491.3 | 12.5° | 1444.3 | 1387.5 | 1242.5 | 1023.3 | 814.0  | 643.5  | 541.3  | 501.8  | 496.8  | 496.8  |
| 1551.5 | 15°   | 1494.6 | 1425.4 | 1216.9 | 919.5  | 664.9  | 509.2  | 472.9  | 474.6  | 479.5  | 482.8  |
| 1610.0 | 17.5° | 1546.5 | 1465.8 | 1176.6 | 803.3  | 533.1  | 458.1  | 458.9  | 461.4  | 465.5  | 468.8  |
| 1673.4 | 20°   | 1602.5 | 1506.1 | 1123.0 | 679.7  | 457.3  | 443.3  | 445.7  | 448.2  | 451.5  | 453.2  |
| 1732.7 | 22.5° | 1662.7 | 1544.0 | 1059.6 | 558.6  | 431.7  | 430.9  | 431.7  | 434.2  | 438.3  | 438.3  |
| 1801.9 | 25°   | 1727.0 | 1586.1 | 987.1  | 470.5  | 418.6  | 418.6  | 420.2  | 421.9  | 425.1  | 425.1  |
| 1868.7 | 27.5° | 1792.9 | 1624.8 | 910.4  | 424.3  | 407.0  | 406.2  | 406.2  | 408.7  | 410.3  | 411.1  |
| 1934.6 | 30°   | 1865.4 | 1670.1 | 833.8  | 414.4  | 398.0  | 393.8  | 391.4  | 393.0  | 394.7  | 395.5  |
| 2003.8 | 32.5° | 1939.5 | 1713.8 | 765.4  | 418.6  | 388.9  | 381.5  | 373.2  | 371.6  | 371.6  | 374.9  |
| 2075.5 | 35°   | 2021.9 | 1761.6 | 712.7  | 432.6  | 384.0  | 363.4  | 350.2  | 342.8  | 343.6  | 348.5  |
| 2161.2 | 37.5° | 2120.8 | 1819.2 | 674.0  | 444.9  | 380.7  | 342.8  | 321.3  | 312.3  | 306.5  | 312.3  |
| 2279.0 | 40°   | 2250.1 | 1904.1 | 646.0  | 454.8  | 376.5  | 318.9  | 290.0  | 275.2  | 264.5  | 267.8  |
| 2461.9 | 42.5° | 2440.5 | 2037.6 | 635.2  | 455.6  | 367.5  | 290.8  | 257.9  | 238.1  | 222.5  | 223.3  |
| 2737.1 | 45°   | 2707.4 | 2248.5 | 690.5  | 444.9  | 347.7  | 260.4  | 224.1  | 197.7  | 187.9  | 185.4  |
| 3148.2 | 47.5° | 3073.2 | 2555.8 | 818.2  | 422.7  | 318.9  | 230.7  | 191.2  | 168.9  | 161.5  | 157.4  |
| 3687.9 | 50°   | 3563.5 | 2950.5 | 959.9  | 398.0  | 290.0  | 202.7  | 164.0  | 150.0  | 145.0  | 140.9  |
| 4328.1 | 52.5° | 4132.0 | 3350.9 | 1076.0 | 373.2  | 261.2  | 178.0  | 146.7  | 138.4  | 134.3  | 131.0  |
| 4946.0 | 55°   | 4653.5 | 3626.9 | 1069.5 | 346.9  | 233.2  | 158.2  | 134.3  | 129.4  | 124.4  | 121.1  |
| 5478.3 | 57.5° | 4978.2 | 3665.7 | 881.6  | 318.0  | 201.0  | 142.5  | 122.8  | 119.5  | 113.7  | 109.6  |
| 5938.9 | 60°   | 5127.3 | 3444.8 | 617.9  | 280.1  | 168.9  | 127.7  | 110.4  | 108.8  | 101.3  | 95.6   |
| 6374.7 | 62.5° | 5154.5 | 3034.5 | 412.0  | 233.2  | 140.9  | 113.7  | 98.0   | 95.6   | 85.7   | 75.8   |
| 6729.0 | 65°   | 5044.1 | 2447.9 | 285.1  | 182.1  | 120.3  | 98.9   | 84.0   | 79.1   | 68.4   | 58.5   |
| 6813.1 | 67.5° | 4694.7 | 1718.7 | 198.6  | 131.0  | 102.2  | 78.3   | 66.7   | 65.1   | 56.9   | 48.6   |
| 6384.6 | 70°   | 4054.5 | 979.6  | 132.7  | 98.0   | 80.7   | 53.6   | 52.7   | 54.4   | 46.1   | 39.5   |
| 5216.3 | 72.5° | 3108.7 | 448.2  | 82.4   | 71.7   | 55.2   | 36.3   | 42.0   | 42.8   | 35.4   | 29.7   |
| 3254.5 | 75°   | 1829.9 | 192.0  | 51.9   | 46.1   | 28.0   | 23.9   | 30.5   | 31.3   | 23.9   | 19.0   |
| 1189.8 | 77.5° | 622.9  | 72.5   | 33.0   | 27.2   | 14.0   | 13.2   | 19.8   | 19.8   | 13.2   | 7.4    |
| 238.9  | 80°   | 141.7  | 27.2   | 16.5   | 10.7   | 6.6    | 5.8    | 6.6    | 5.8    | 3.3    | 0.8    |
| 73.3   | 82.5° | 40.4   | 10.7   | 6.6    | 4.1    | 2.5    | 2.5    | 0.8    | 0.0    | 0.0    | 0.0    |
| 25.5   | 85°   | 11.5   | 4.9    | 1.6    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 9.1    | 87.5° | 4.9    | 0.8    | 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°   |
|--------|
| 1322.4 |
| 1207.9 |
| 1019.2 |
| 785.2  |
| 576.7  |
| 496.8  |
| 482.8  |
| 468.8  |
| 454.0  |
| 440.0  |
| 426.0  |
| 412.0  |
| 397.1  |
| 377.4  |
| 351.0  |
| 310.6  |
| 266.1  |
| 220.0  |
| 182.1  |
| 154.9  |
| 140.1  |
| 130.2  |
| 119.5  |
| 108.8  |
| 93.9   |
| 70.9   |
| 55.2   |
| 46.1   |
| 36.3   |
| 26.4   |
| 16.5   |
| 5.8    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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