

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: P940129

Luminaire Tested: **GLAN-SB3A-750-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940129  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-750-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14074 lumens  
Efficiency: N/A  
Efficacy: 166.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 84.7  
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

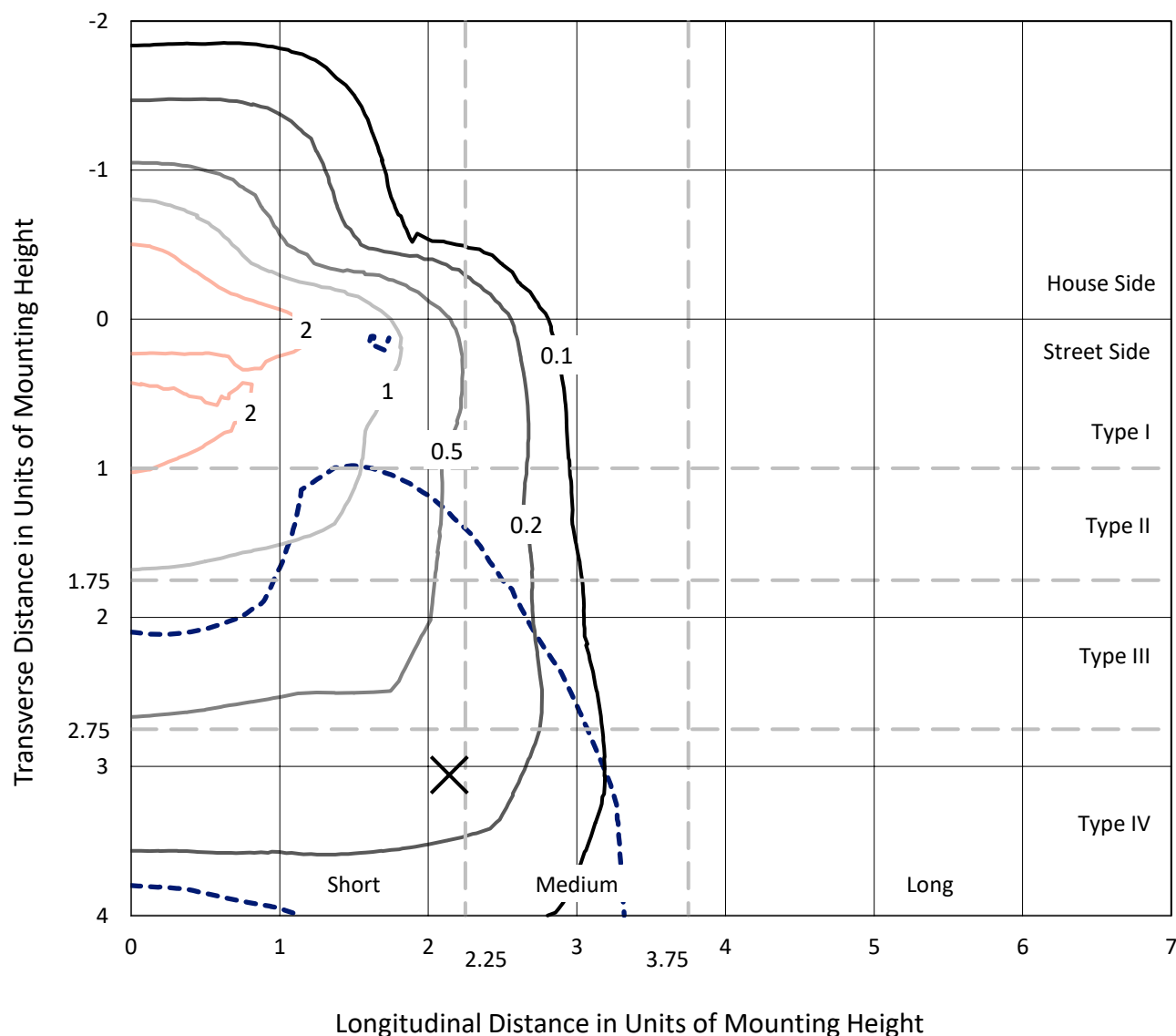


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

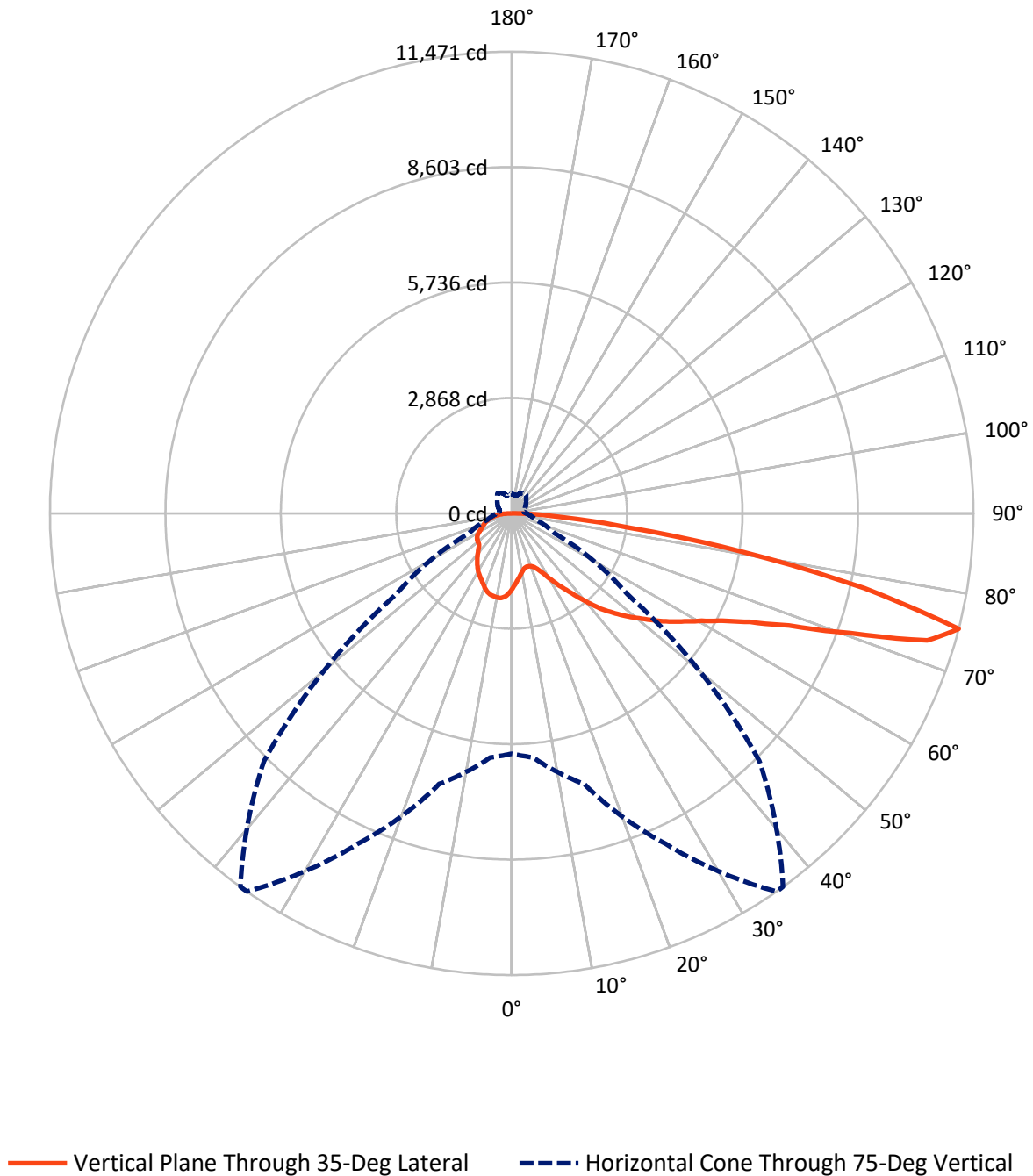


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB3A-750-U-T4FT

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3349.3   | 0.0    | 3349.3  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 10724.7  | 0.0    | 10724.7 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 14074.0  | 0.0    | 14074.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 177.6   | 1.3       |
| 10°-20°   | 512.2   | 3.6       |
| 20°-30°   | 860.1   | 6.1       |
| 30°-40°   | 1336.7  | 9.5       |
| 40°-50°   | 1984.0  | 14.1      |
| 50°-60°   | 2739.1  | 19.5      |
| 60°-70°   | 3323.1  | 23.6      |
| 70°-80°   | 2746.3  | 19.5      |
| 80°-90°   | 395.0   | 2.8       |
| 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°    | 14074.0 | 100.0     |
| 0°-180°   | 14074.0 | 100.0     |

**Coefficient of Utilization**



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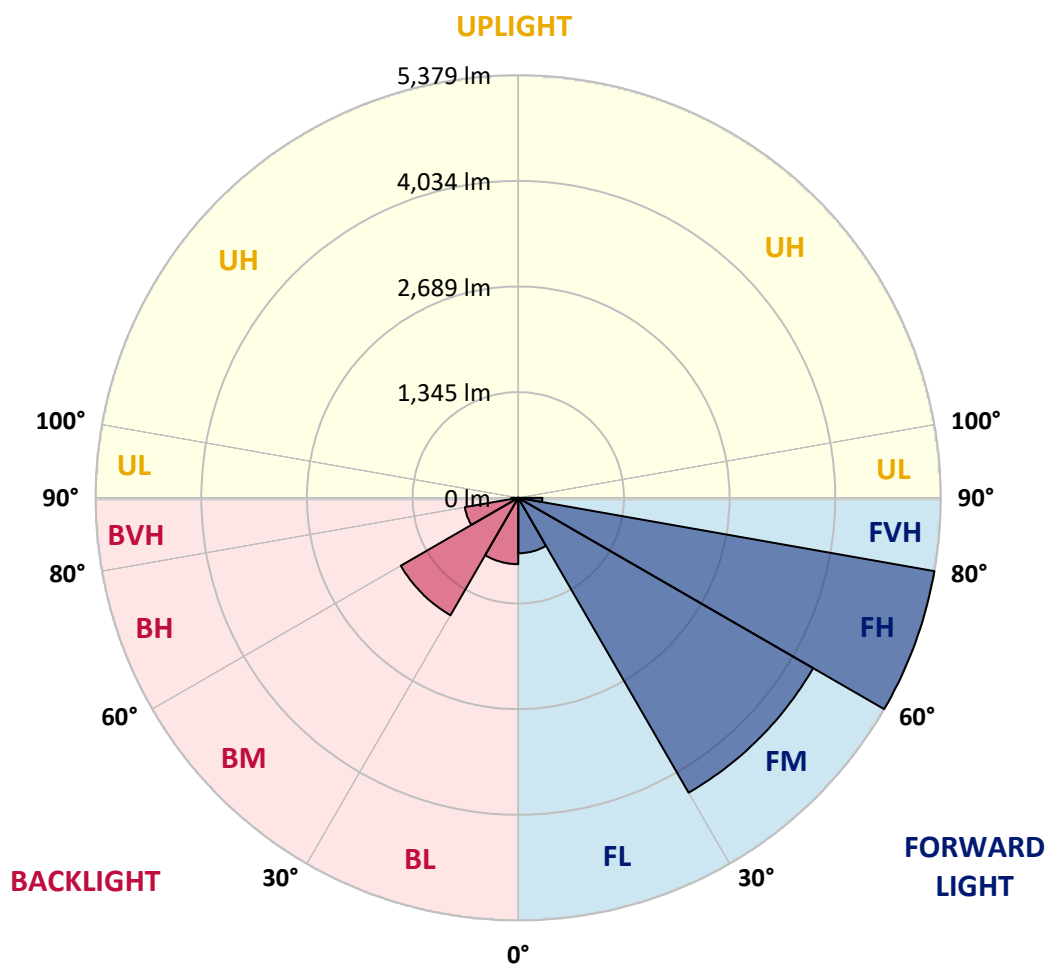
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 705.8  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 4334.0 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 5378.9 | 38.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 306.1  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 844.1  | 6.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1725.7 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 690.5  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 88.9   | 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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 36°     | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 0°    | 1875.5 | 1875.5 | 1875.5 | 1875.5 | 1875.5  | 1875.5  | 1875.5 | 1875.5 | 1875.5 | 1875.5 |
| 2.5°  | 1729.4 | 1740.0 | 1744.6 | 1742.3 | 1753.7  | 1752.2  | 1768.2 | 1788.0 | 1815.3 | 1842.0 |
| 5°    | 1596.2 | 1607.6 | 1617.5 | 1626.7 | 1648.7  | 1655.6  | 1680.7 | 1718.7 | 1768.9 | 1819.9 |
| 7.5°  | 1472.2 | 1482.1 | 1497.3 | 1514.1 | 1551.3  | 1558.2  | 1600.0 | 1659.4 | 1729.4 | 1803.9 |
| 10°   | 1371.0 | 1380.9 | 1396.9 | 1415.9 | 1462.3  | 1470.7  | 1524.0 | 1603.1 | 1694.4 | 1788.7 |
| 12.5° | 1327.7 | 1330.7 | 1339.8 | 1358.8 | 1399.2  | 1404.5  | 1463.1 | 1553.6 | 1660.1 | 1777.3 |
| 15°   | 1325.4 | 1331.5 | 1332.2 | 1342.1 | 1375.6  | 1377.9  | 1431.9 | 1521.7 | 1638.8 | 1775.0 |
| 17.5° | 1348.2 | 1352.8 | 1345.9 | 1352.0 | 1380.2  | 1384.0  | 1426.6 | 1506.5 | 1632.0 | 1784.9 |
| 20°   | 1409.1 | 1412.9 | 1392.3 | 1384.0 | 1404.5  | 1407.5  | 1449.4 | 1516.3 | 1638.8 | 1805.5 |
| 22.5° | 1538.4 | 1540.7 | 1490.5 | 1456.2 | 1457.8  | 1459.3  | 1495.8 | 1556.7 | 1665.5 | 1842.7 |
| 25°   | 1740.0 | 1738.5 | 1658.6 | 1592.4 | 1554.4  | 1546.0  | 1570.4 | 1622.1 | 1710.4 | 1892.2 |
| 27.5° | 1975.9 | 1964.5 | 1884.6 | 1785.7 | 1702.7  | 1690.6  | 1685.2 | 1707.3 | 1774.3 | 1957.6 |
| 30°   | 2242.2 | 2231.5 | 2145.6 | 2016.2 | 1901.3  | 1881.5  | 1831.3 | 1819.9 | 1869.4 | 2046.6 |
| 32.5° | 2534.3 | 2527.5 | 2424.8 | 2268.0 | 2114.4  | 2091.5  | 2007.1 | 1976.6 | 2015.4 | 2181.3 |
| 35°   | 2779.3 | 2773.2 | 2688.0 | 2526.7 | 2338.8  | 2310.7  | 2224.7 | 2190.4 | 2210.2 | 2354.0 |
| 37.5° | 3000.7 | 2997.7 | 2924.6 | 2797.6 | 2603.6  | 2569.3  | 2472.7 | 2461.3 | 2457.5 | 2581.5 |
| 40°   | 3206.2 | 3198.5 | 3122.5 | 3055.5 | 2911.7  | 2880.5  | 2795.3 | 2785.4 | 2756.5 | 2861.5 |
| 42.5° | 3433.6 | 3413.9 | 3303.5 | 3272.3 | 3233.5  | 3207.7  | 3156.7 | 3158.2 | 3094.3 | 3177.2 |
| 45°   | 3619.3 | 3607.9 | 3494.5 | 3476.3 | 3518.1  | 3507.4  | 3551.6 | 3563.0 | 3439.0 | 3508.2 |
| 47.5° | 3818.6 | 3808.0 | 3712.1 | 3699.2 | 3812.5  | 3815.6  | 3971.6 | 3975.4 | 3775.3 | 3852.1 |
| 50°   | 4064.4 | 4049.2 | 3954.1 | 3970.0 | 4097.1  | 4108.5  | 4393.8 | 4367.9 | 4084.9 | 4201.3 |
| 52.5° | 4226.4 | 4235.6 | 4215.0 | 4240.9 | 4414.4  | 4425.0  | 4809.2 | 4743.0 | 4391.5 | 4546.0 |
| 55°   | 4345.9 | 4364.1 | 4428.1 | 4487.4 | 4749.1  | 4759.8  | 5201.1 | 5099.9 | 4645.7 | 4865.5 |
| 57.5° | 4499.6 | 4473.7 | 4593.2 | 4708.8 | 5067.2  | 5095.3  | 5582.2 | 5443.8 | 4870.9 | 5141.0 |
| 60°   | 4720.2 | 4702.0 | 4794.8 | 4966.0 | 5423.2  | 5468.1  | 5985.5 | 5753.4 | 5036.0 | 5359.3 |
| 62.5° | 5167.6 | 5121.9 | 5136.4 | 5287.8 | 5872.1  | 5931.5  | 6440.5 | 6023.5 | 5118.1 | 5444.5 |
| 65°   | 5836.4 | 5758.0 | 5685.0 | 5789.9 | 6504.4  | 6563.0  | 6954.0 | 6235.8 | 5087.7 | 5279.4 |
| 67.5° | 6678.6 | 6601.0 | 6511.2 | 6610.1 | 7435.6  | 7482.0  | 7587.8 | 6355.2 | 4848.0 | 4643.4 |
| 70°   | 7373.2 | 7344.3 | 7451.6 | 7858.7 | 8923.1  | 8924.6  | 8400.4 | 6256.3 | 4191.4 | 3292.1 |
| 72.5° | 7281.2 | 7263.7 | 7829.0 | 9087.4 | 10797.8 | 10757.4 | 9169.6 | 5507.7 | 2823.5 | 1485.1 |
| 75°   | 5973.3 | 6086.7 | 6962.4 | 9065.3 | 11471.1 | 11465.8 | 8698.6 | 3501.4 | 1167.9 | 615.5  |
| 77.5° | 3203.1 | 3382.7 | 4520.1 | 6693.1 | 8955.0  | 9089.7  | 6115.6 | 1224.9 | 501.4  | 394.1  |
| 80°   | 1044.6 | 1201.4 | 1801.7 | 3407.8 | 5818.9  | 5793.8  | 2621.1 | 480.8  | 343.1  | 279.2  |
| 82.5° | 443.6  | 461.8  | 805.0  | 1609.2 | 2986.3  | 2939.9  | 834.6  | 276.2  | 241.2  | 191.0  |
| 85°   | 173.5  | 194.0  | 355.3  | 744.1  | 1293.4  | 1265.3  | 301.3  | 137.0  | 154.4  | 124.8  |
| 87.5° | 57.1   | 69.2   | 127.1  | 254.9  | 402.5   | 388.0   | 73.8   | 47.2   | 67.0   | 57.1   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1875.5 | 0°    | 1875.5 | 1875.5 | 1875.5 | 1875.5 | 1875.5 | 1875.5 | 1875.5 | 1875.5 | 1875.5 | 1875.5 |
| 1880.8 | 2.5°  | 1891.4 | 1903.6 | 1918.1 | 1939.4 | 1957.6 | 1972.8 | 1988.8 | 1998.7 | 2002.5 | 2013.9 |
| 1883.8 | 5°    | 1905.1 | 1931.8 | 1967.5 | 2002.5 | 2036.8 | 2057.3 | 2075.6 | 2084.7 | 2093.1 | 2099.1 |
| 1892.2 | 7.5°  | 1928.0 | 1962.2 | 2018.5 | 2064.1 | 2093.1 | 2109.8 | 2122.0 | 2118.9 | 2122.0 | 2123.5 |
| 1901.3 | 10°   | 1947.7 | 1995.7 | 2062.6 | 2106.0 | 2128.1 | 2128.8 | 2125.8 | 2115.1 | 2109.8 | 2110.6 |
| 1915.0 | 12.5° | 1971.3 | 2024.6 | 2096.9 | 2133.4 | 2139.5 | 2122.7 | 2109.8 | 2091.5 | 2084.7 | 2081.6 |
| 1935.6 | 15°   | 2003.3 | 2064.1 | 2134.1 | 2147.8 | 2132.6 | 2111.3 | 2089.3 | 2059.6 | 2044.4 | 2032.2 |
| 1970.6 | 17.5° | 2042.1 | 2109.0 | 2163.1 | 2153.2 | 2120.4 | 2085.4 | 2049.7 | 2004.8 | 1973.6 | 1960.7 |
| 2018.5 | 20°   | 2096.1 | 2156.2 | 2185.1 | 2141.7 | 2092.3 | 2039.0 | 1978.2 | 1923.4 | 1894.5 | 1881.5 |
| 2079.4 | 22.5° | 2161.5 | 2219.4 | 2206.4 | 2122.0 | 2052.0 | 1966.8 | 1890.7 | 1850.3 | 1835.9 | 1826.8 |
| 2157.7 | 25°   | 2239.9 | 2289.3 | 2221.6 | 2093.1 | 1985.8 | 1870.9 | 1812.3 | 1799.4 | 1792.5 | 1785.7 |
| 2253.6 | 27.5° | 2341.8 | 2368.5 | 2233.0 | 2050.4 | 1882.3 | 1768.9 | 1747.6 | 1749.9 | 1747.6 | 1736.2 |
| 2386.7 | 30°   | 2476.5 | 2471.2 | 2243.7 | 1981.2 | 1763.6 | 1676.9 | 1678.4 | 1688.3 | 1689.8 | 1682.2 |
| 2572.4 | 32.5° | 2653.8 | 2599.8 | 2249.0 | 1891.4 | 1650.2 | 1596.2 | 1597.8 | 1608.4 | 1616.0 | 1603.1 |
| 2815.1 | 35°   | 2868.3 | 2749.7 | 2240.7 | 1778.8 | 1562.8 | 1519.4 | 1508.0 | 1511.0 | 1513.3 | 1501.1 |
| 3109.5 | 37.5° | 3118.7 | 2917.8 | 2203.4 | 1654.1 | 1490.5 | 1444.1 | 1419.7 | 1399.2 | 1387.0 | 1375.6 |
| 3442.8 | 40°   | 3393.3 | 3101.2 | 2134.9 | 1532.3 | 1409.8 | 1364.2 | 1327.7 | 1288.9 | 1247.8 | 1232.6 |
| 3795.8 | 42.5° | 3680.9 | 3289.8 | 2052.0 | 1415.9 | 1317.0 | 1279.7 | 1240.9 | 1184.6 | 1123.0 | 1091.8 |
| 4162.5 | 45°   | 3979.2 | 3483.1 | 1970.6 | 1301.0 | 1221.9 | 1205.9 | 1161.0 | 1093.3 | 1026.4 | 986.8  |
| 4530.0 | 47.5° | 4271.3 | 3665.7 | 1851.1 | 1185.4 | 1132.9 | 1150.4 | 1115.4 | 1053.0 | 978.4  | 916.0  |
| 4894.4 | 50°   | 4550.5 | 3836.9 | 1655.6 | 1068.2 | 1060.6 | 1133.6 | 1100.2 | 1010.4 | 925.2  | 845.3  |
| 5252.0 | 52.5° | 4827.5 | 3975.4 | 1405.3 | 961.7  | 1021.8 | 1129.1 | 1080.4 | 981.5  | 877.2  | 793.5  |
| 5588.3 | 55°   | 5062.6 | 4046.9 | 1164.1 | 870.4  | 965.5  | 1090.3 | 1056.8 | 947.2  | 809.5  | 720.5  |
| 5818.9 | 57.5° | 5196.5 | 3989.1 | 963.2  | 780.6  | 887.9  | 1026.4 | 1016.5 | 874.2  | 728.9  | 660.4  |
| 5863.7 | 60°   | 5138.7 | 3754.7 | 798.9  | 702.2  | 814.1  | 957.1  | 946.5  | 801.9  | 667.3  | 602.6  |
| 5623.3 | 62.5° | 4819.9 | 3308.1 | 668.8  | 633.8  | 747.1  | 886.4  | 876.5  | 746.4  | 620.1  | 557.7  |
| 4985.0 | 65°   | 4177.7 | 2691.1 | 567.6  | 576.7  | 679.4  | 801.2  | 815.6  | 700.0  | 582.8  | 521.9  |
| 3856.7 | 67.5° | 3186.4 | 1949.3 | 488.5  | 527.3  | 613.2  | 717.5  | 759.3  | 666.5  | 551.6  | 493.8  |
| 2231.5 | 70°   | 1816.1 | 1107.0 | 421.5  | 479.3  | 554.6  | 639.9  | 715.9  | 639.9  | 518.1  | 470.2  |
| 836.2  | 72.5° | 688.6  | 508.2  | 364.4  | 431.4  | 498.3  | 574.4  | 668.0  | 598.0  | 479.3  | 443.6  |
| 432.2  | 75°   | 367.5  | 309.7  | 306.6  | 375.1  | 433.7  | 510.5  | 607.9  | 556.9  | 450.4  | 468.7  |
| 299.0  | 77.5° | 250.3  | 219.1  | 256.4  | 321.1  | 362.9  | 439.8  | 544.0  | 494.5  | 390.3  | 388.8  |
| 206.9  | 80°   | 173.5  | 155.2  | 208.5  | 258.7  | 280.7  | 369.8  | 474.8  | 424.5  | 318.0  | 296.7  |
| 127.8  | 82.5° | 104.2  | 101.2  | 156.0  | 193.3  | 198.6  | 285.3  | 393.4  | 356.1  | 260.2  | 226.7  |
| 76.1   | 85°   | 57.1   | 60.1   | 99.7   | 113.4  | 115.6  | 199.3  | 308.1  | 275.4  | 200.1  | 168.1  |
| 27.4   | 87.5° | 16.0   | 20.5   | 36.5   | 44.9   | 55.5   | 103.5  | 183.4  | 163.6  | 100.4  | 70.0   |
| 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°   |
|--------|
| 1875.5 |
| 2013.2 |
| 2100.7 |
| 2125.8 |
| 2112.1 |
| 2080.1 |
| 2036.0 |
| 1961.4 |
| 1880.0 |
| 1828.3 |
| 1785.7 |
| 1738.5 |
| 1686.0 |
| 1609.2 |
| 1509.5 |
| 1383.2 |
| 1239.4 |
| 1095.6 |
| 983.8  |
| 909.2  |
| 838.4  |
| 784.4  |
| 712.9  |
| 651.3  |
| 593.5  |
| 547.8  |
| 512.0  |
| 484.7  |
| 464.1  |
| 437.5  |
| 483.9  |
| 358.4  |
| 283.8  |
| 228.3  |
| 169.7  |
| 70.0   |
| 0.0    |