

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: P947093

Luminaire Tested: **GLAN-SB2C-750-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947093  
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-SB2C-750-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 16057 lumens  
Efficiency: N/A  
Efficacy: 159.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 100.9  
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



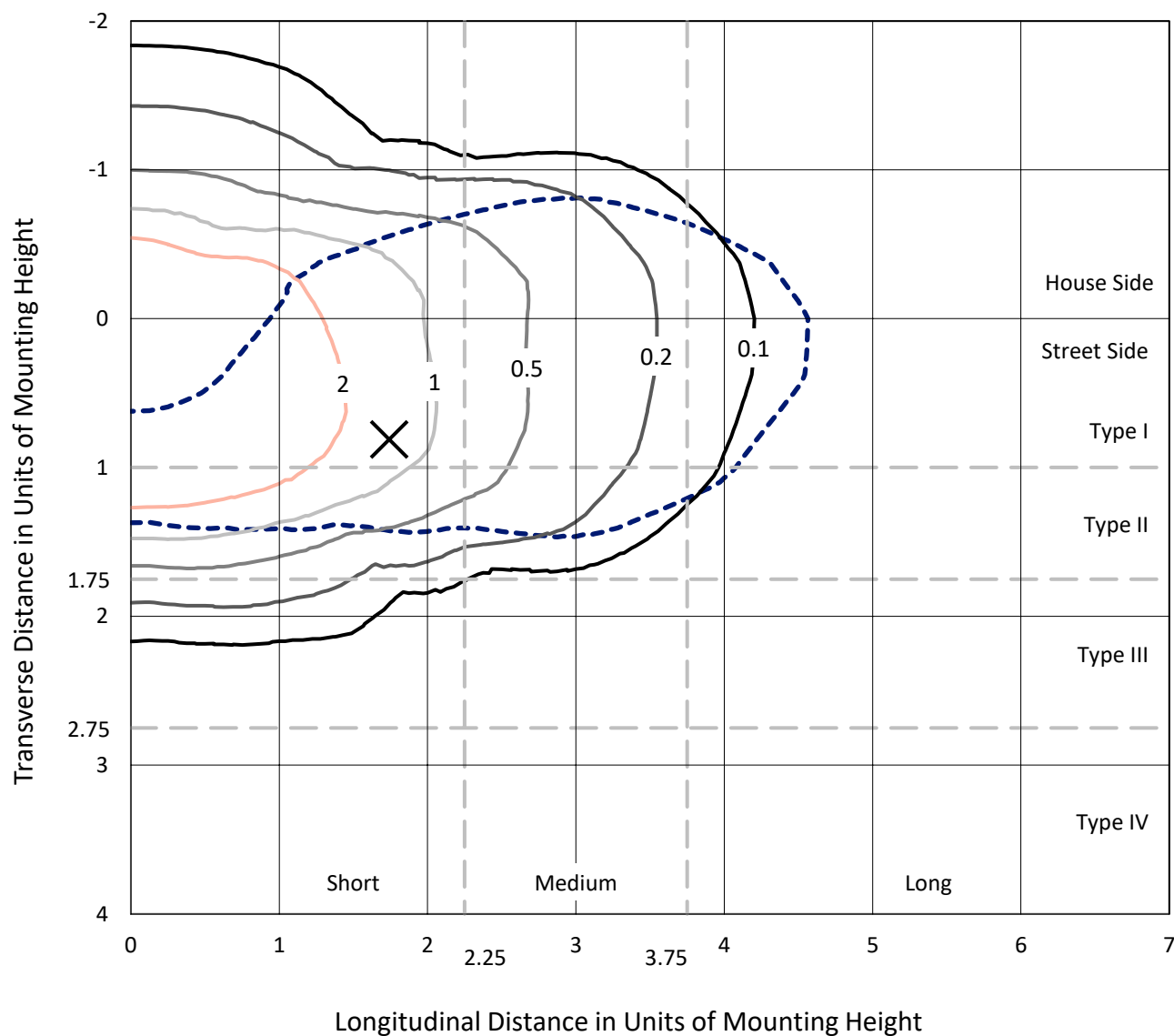
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CATALOG NUMBER: GLAN-SB2C-750-U-T2U

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

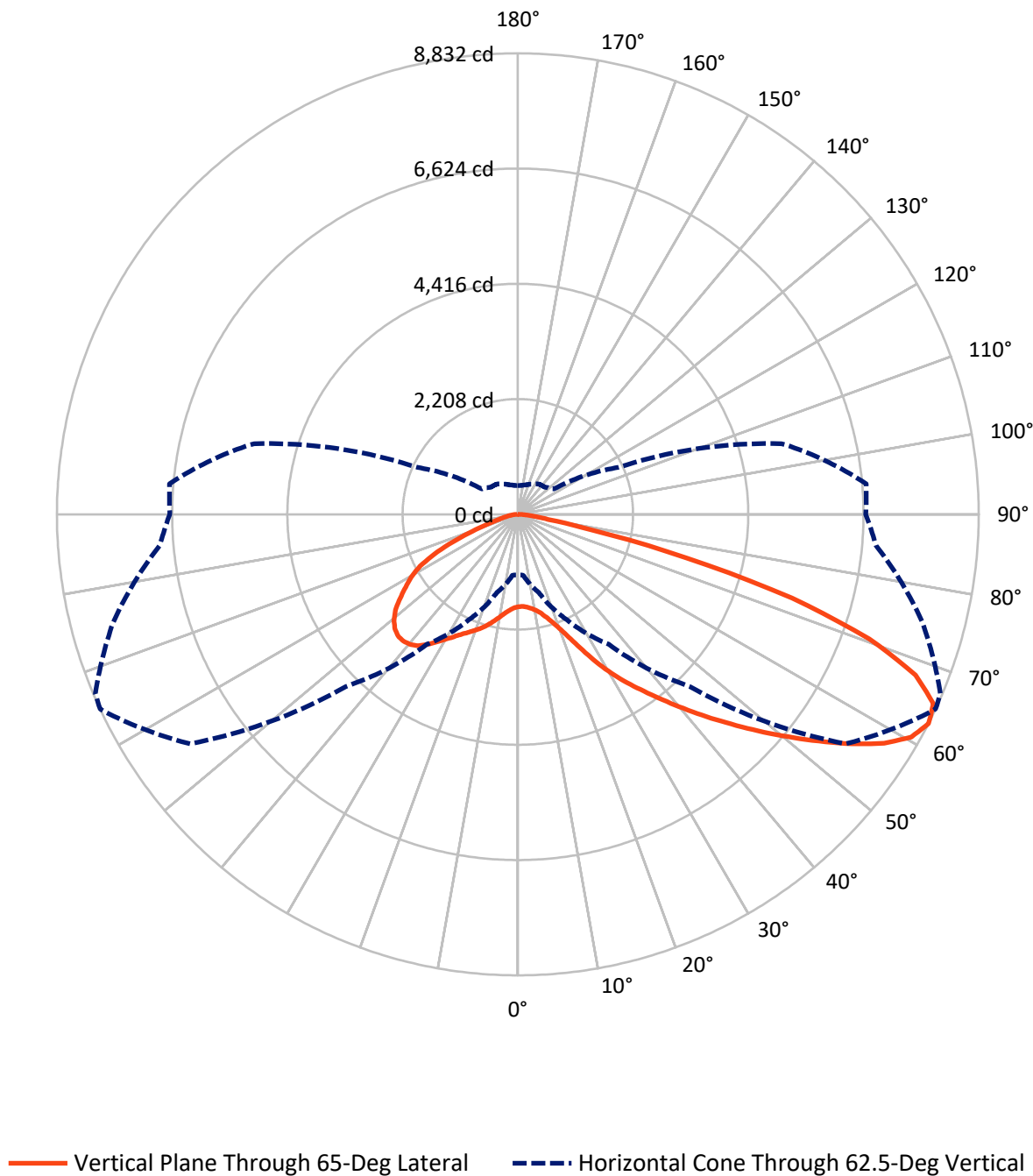


Based on 25 foot mounting height. Maximum calculated value = 4.5 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB2C-750-U-T2U

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5066.9   | 0.0    | 5066.9  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 10990.1  | 0.0    | 10990.1 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 16057.0  | 0.0    | 16057.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 176.4   | 1.1       |
| 10°-20°   | 598.2   | 3.7       |
| 20°-30°   | 1212.9  | 7.6       |
| 30°-40°   | 2099.0  | 13.1      |
| 40°-50°   | 3176.4  | 19.8      |
| 50°-60°   | 3724.1  | 23.2      |
| 60°-70°   | 3122.2  | 19.4      |
| 70°-80°   | 1723.7  | 10.7      |
| 80°-90°   | 223.9   | 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°    | 16057.0 | 100.0     |
| 0°-180°   | 16057.0 | 100.0     |

**Coefficient of Utilization**



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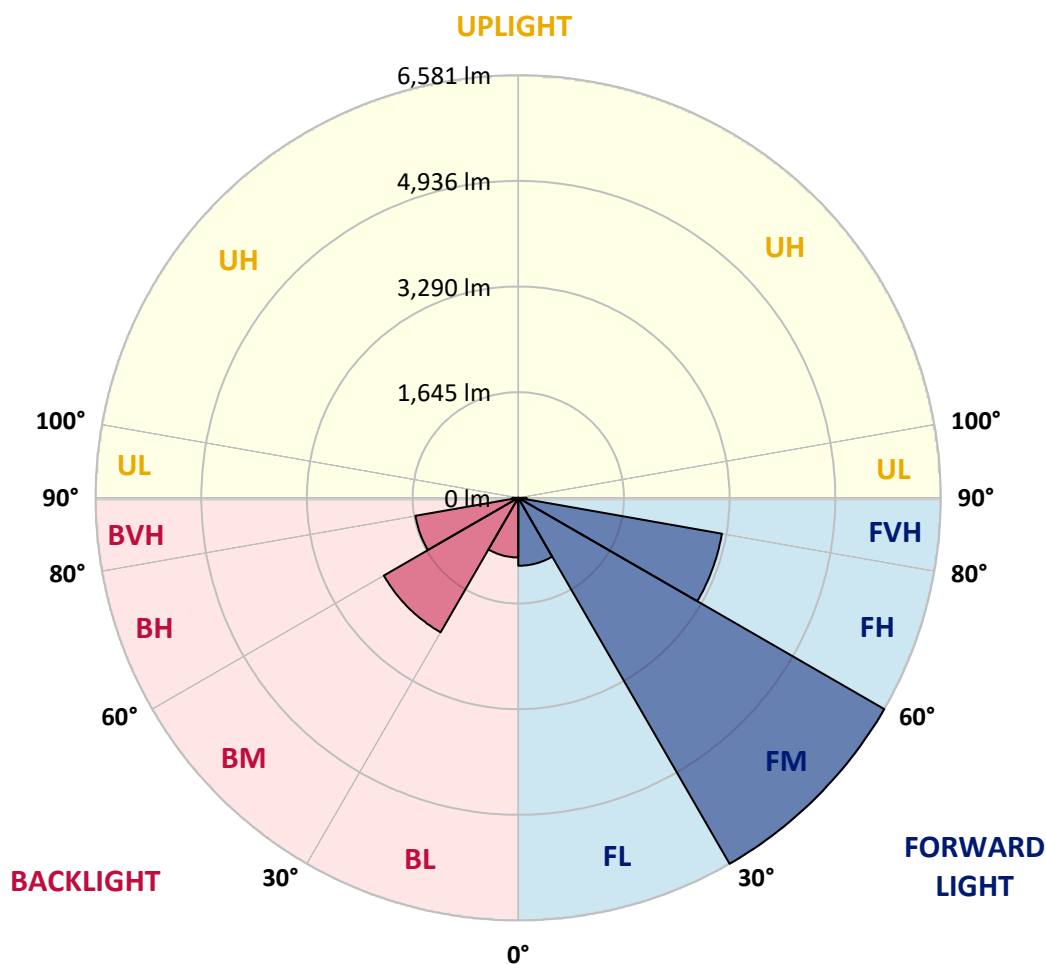
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1058.4 | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 6580.7 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 3220.6 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 130.5  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 929.2  | 5.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2418.9 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1625.4 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 93.4   | 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°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 2.5°  | 1757.7 | 1752.8 | 1756.9 | 1756.9 | 1758.6 | 1757.7 | 1763.6 | 1765.2 | 1767.7 | 1772.7 |
| 5°    | 1740.3 | 1739.4 | 1746.9 | 1753.6 | 1760.2 | 1766.1 | 1773.6 | 1784.4 | 1786.1 | 1791.9 |
| 7.5°  | 1734.4 | 1729.4 | 1741.1 | 1749.4 | 1765.2 | 1779.4 | 1799.4 | 1817.7 | 1825.2 | 1827.7 |
| 10°   | 1779.4 | 1771.1 | 1781.9 | 1786.9 | 1800.2 | 1814.4 | 1837.7 | 1866.9 | 1875.2 | 1885.2 |
| 12.5° | 1856.0 | 1846.9 | 1862.7 | 1870.2 | 1882.7 | 1895.2 | 1911.0 | 1939.4 | 1943.5 | 1961.8 |
| 15°   | 1961.0 | 1950.2 | 1960.2 | 1969.3 | 1990.2 | 2001.8 | 2017.7 | 2045.2 | 2045.2 | 2059.3 |
| 17.5° | 2103.5 | 2089.3 | 2096.8 | 2100.1 | 2113.5 | 2131.0 | 2157.6 | 2181.8 | 2194.3 | 2189.3 |
| 20°   | 2315.9 | 2298.4 | 2298.4 | 2281.7 | 2276.7 | 2290.9 | 2325.9 | 2359.2 | 2372.5 | 2346.7 |
| 22.5° | 2635.0 | 2610.0 | 2595.8 | 2539.2 | 2516.7 | 2518.3 | 2553.3 | 2594.1 | 2605.0 | 2559.1 |
| 25°   | 3040.7 | 3001.5 | 2982.3 | 2899.0 | 2848.2 | 2804.1 | 2831.6 | 2884.0 | 2899.0 | 2842.4 |
| 27.5° | 3446.4 | 3448.9 | 3430.5 | 3330.6 | 3246.4 | 3165.6 | 3151.5 | 3206.4 | 3222.3 | 3158.1 |
| 30°   | 4015.3 | 3956.2 | 3921.2 | 3801.2 | 3681.3 | 3568.0 | 3509.7 | 3532.2 | 3536.3 | 3459.7 |
| 32.5° | 4506.0 | 4491.0 | 4416.0 | 4311.1 | 4157.0 | 3979.5 | 3882.0 | 3846.2 | 3839.6 | 3730.4 |
| 35°   | 5065.0 | 5056.7 | 4977.5 | 4852.6 | 4685.9 | 4439.4 | 4263.6 | 4161.1 | 4152.8 | 3999.5 |
| 37.5° | 5633.1 | 5633.1 | 5555.7 | 5419.0 | 5246.6 | 4938.4 | 4670.9 | 4508.5 | 4481.8 | 4281.9 |
| 40°   | 6086.3 | 6058.8 | 6073.0 | 6015.5 | 5818.1 | 5490.7 | 5123.3 | 4887.5 | 4851.7 | 4611.8 |
| 42.5° | 6343.7 | 6334.6 | 6419.5 | 6483.7 | 6402.9 | 6141.3 | 5621.5 | 5298.2 | 5248.3 | 4975.0 |
| 45°   | 6401.2 | 6391.2 | 6542.8 | 6777.7 | 6891.0 | 6783.6 | 6163.0 | 5730.6 | 5669.8 | 5354.9 |
| 47.5° | 6268.7 | 6248.8 | 6471.2 | 6841.9 | 7205.1 | 7394.2 | 6749.4 | 6199.6 | 6111.3 | 5724.8 |
| 50°   | 5870.5 | 5851.4 | 6187.9 | 6680.3 | 7310.9 | 7809.1 | 7385.9 | 6696.9 | 6562.0 | 6121.3 |
| 52.5° | 5005.0 | 5014.2 | 5541.5 | 6217.9 | 7171.8 | 8067.3 | 7934.0 | 7220.9 | 7058.5 | 6527.0 |
| 55°   | 3898.7 | 3918.7 | 4566.8 | 5311.6 | 6615.3 | 8028.2 | 8308.1 | 7760.8 | 7599.1 | 6908.5 |
| 57.5° | 2791.6 | 2879.9 | 3487.2 | 4224.4 | 5546.5 | 7407.5 | 8389.7 | 8273.9 | 8117.3 | 7325.1 |
| 60°   | 1809.4 | 1825.2 | 2450.0 | 3193.1 | 4223.6 | 6304.6 | 8223.9 | 8663.0 | 8540.5 | 7749.9 |
| 62.5° | 1159.6 | 1170.4 | 1551.2 | 2233.4 | 3039.8 | 4664.3 | 7665.8 | 8832.1 | 8794.6 | 8030.7 |
| 65°   | 852.2  | 843.9  | 1042.2 | 1476.2 | 2047.7 | 2876.5 | 6582.0 | 8750.4 | 8824.6 | 8206.4 |
| 67.5° | 711.4  | 699.8  | 797.2  | 1022.2 | 1508.7 | 1633.6 | 4870.0 | 8219.8 | 8491.3 | 8186.4 |
| 70°   | 648.1  | 638.1  | 697.3  | 758.9  | 1177.1 | 1093.8 | 2455.0 | 7146.0 | 7564.2 | 7959.0 |
| 72.5° | 549.0  | 531.5  | 612.3  | 673.9  | 915.5  | 838.9  | 1014.7 | 5489.0 | 5998.8 | 7230.1 |
| 75°   | 425.7  | 414.0  | 483.2  | 593.1  | 688.1  | 654.8  | 641.5  | 3333.1 | 3889.5 | 5591.5 |
| 77.5° | 337.4  | 321.6  | 384.9  | 462.3  | 619.0  | 494.0  | 467.3  | 1435.4 | 1986.8 | 3569.6 |
| 80°   | 254.1  | 239.9  | 292.4  | 365.7  | 475.7  | 372.4  | 302.4  | 585.6  | 748.9  | 1808.6 |
| 82.5° | 180.8  | 168.3  | 204.1  | 268.2  | 319.9  | 334.1  | 185.8  | 328.2  | 369.0  | 697.3  |
| 85°   | 115.8  | 108.3  | 136.6  | 168.3  | 203.3  | 214.9  | 113.3  | 171.6  | 188.3  | 287.4  |
| 87.5° | 63.3   | 51.6   | 73.3   | 78.3   | 94.1   | 85.8   | 54.1   | 62.5   | 67.5   | 104.1  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1769.4 | 0°    | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 | 1769.4 |
| 1772.7 | 2.5°  | 1776.1 | 1778.6 | 1786.9 | 1789.4 | 1795.2 | 1802.7 | 1807.7 | 1812.7 | 1812.7 | 1817.7 |
| 1799.4 | 5°    | 1800.2 | 1806.1 | 1823.6 | 1832.7 | 1847.7 | 1862.7 | 1871.9 | 1882.7 | 1889.4 | 1892.7 |
| 1841.9 | 7.5°  | 1846.9 | 1856.0 | 1881.0 | 1896.9 | 1922.7 | 1943.5 | 1957.7 | 1972.7 | 1976.0 | 1985.2 |
| 1901.0 | 10°   | 1910.2 | 1921.0 | 1949.4 | 1979.3 | 2010.2 | 2036.0 | 2049.3 | 2060.1 | 2064.3 | 2066.0 |
| 1976.8 | 12.5° | 1982.7 | 1998.5 | 2035.2 | 2071.8 | 2104.3 | 2126.8 | 2130.1 | 2127.6 | 2116.0 | 2106.0 |
| 2070.1 | 15°   | 2071.8 | 2086.0 | 2126.8 | 2166.8 | 2198.4 | 2202.6 | 2181.8 | 2168.4 | 2154.3 | 2151.8 |
| 2174.3 | 17.5° | 2178.4 | 2185.9 | 2223.4 | 2262.6 | 2265.1 | 2250.9 | 2220.1 | 2207.6 | 2194.3 | 2185.1 |
| 2310.1 | 20°   | 2302.6 | 2300.1 | 2326.7 | 2343.4 | 2325.9 | 2282.6 | 2235.9 | 2215.1 | 2201.8 | 2190.9 |
| 2476.7 | 22.5° | 2450.9 | 2431.7 | 2428.4 | 2424.2 | 2377.5 | 2286.7 | 2223.4 | 2196.8 | 2175.9 | 2160.9 |
| 2709.1 | 25°   | 2666.6 | 2593.3 | 2542.5 | 2514.2 | 2409.2 | 2264.2 | 2183.4 | 2124.3 | 2085.1 | 2059.3 |
| 2993.2 | 27.5° | 2936.5 | 2813.2 | 2684.9 | 2615.8 | 2409.2 | 2218.4 | 2086.8 | 1991.0 | 1926.9 | 1900.2 |
| 3268.1 | 30°   | 3193.9 | 3064.8 | 2875.7 | 2738.3 | 2403.4 | 2143.5 | 1931.0 | 1797.7 | 1722.8 | 1696.1 |
| 3503.0 | 32.5° | 3413.9 | 3273.1 | 3078.1 | 2872.4 | 2389.2 | 2021.8 | 1737.8 | 1590.3 | 1517.8 | 1486.2 |
| 3735.4 | 35°   | 3618.0 | 3468.0 | 3281.4 | 3019.8 | 2351.7 | 1843.6 | 1525.3 | 1412.9 | 1332.1 | 1281.2 |
| 3972.0 | 37.5° | 3827.1 | 3648.8 | 3473.8 | 3153.1 | 2284.2 | 1635.3 | 1362.0 | 1266.2 | 1171.3 | 1103.0 |
| 4223.6 | 40°   | 4054.5 | 3841.2 | 3679.6 | 3232.3 | 2173.4 | 1437.0 | 1235.4 | 1148.0 | 1047.2 | 974.7  |
| 4513.5 | 42.5° | 4320.2 | 4072.0 | 3908.7 | 3273.1 | 2021.8 | 1296.2 | 1153.0 | 1067.1 | 972.2  | 913.0  |
| 4824.2 | 45°   | 4597.6 | 4326.1 | 4117.8 | 3272.2 | 1852.7 | 1230.4 | 1126.3 | 1041.3 | 936.4  | 874.7  |
| 5143.3 | 47.5° | 4888.4 | 4591.8 | 4298.6 | 3218.9 | 1706.1 | 1239.6 | 1111.3 | 985.5  | 869.7  | 809.7  |
| 5465.7 | 50°   | 5179.9 | 4882.5 | 4473.5 | 3119.0 | 1643.6 | 1219.6 | 1055.5 | 907.2  | 770.6  | 716.4  |
| 5768.1 | 52.5° | 5469.0 | 5191.6 | 4624.3 | 2976.5 | 1580.3 | 1145.5 | 983.8  | 805.6  | 729.8  | 692.3  |
| 6080.5 | 55°   | 5759.8 | 5497.3 | 4788.4 | 2769.1 | 1422.0 | 1058.8 | 863.9  | 767.2  | 697.3  | 663.1  |
| 6386.2 | 57.5° | 6051.3 | 5850.6 | 4944.2 | 2561.6 | 1222.9 | 952.2  | 798.1  | 720.6  | 664.8  | 635.6  |
| 6642.0 | 60°   | 6354.6 | 6254.6 | 5105.0 | 2370.9 | 1026.3 | 815.6  | 749.8  | 683.1  | 626.5  | 594.0  |
| 6887.7 | 62.5° | 6667.0 | 6699.4 | 5230.8 | 2125.1 | 845.6  | 732.3  | 706.4  | 638.1  | 583.1  | 552.3  |
| 7091.0 | 65°   | 6981.8 | 7128.5 | 5313.2 | 1784.4 | 685.6  | 653.1  | 659.8  | 589.0  | 533.2  | 506.5  |
| 7240.1 | 67.5° | 7219.3 | 7437.5 | 5289.9 | 1350.4 | 562.3  | 578.1  | 601.5  | 537.3  | 484.8  | 464.0  |
| 7215.9 | 70°   | 7245.9 | 7400.9 | 5060.0 | 924.7  | 470.7  | 504.8  | 536.5  | 486.5  | 432.4  | 417.4  |
| 6876.0 | 72.5° | 6891.0 | 6901.0 | 4419.4 | 604.0  | 398.2  | 443.2  | 468.2  | 434.9  | 382.4  | 367.4  |
| 6015.5 | 75°   | 5960.5 | 5707.3 | 3244.8 | 398.2  | 333.2  | 380.7  | 404.0  | 380.7  | 329.9  | 333.2  |
| 4501.0 | 77.5° | 4516.0 | 4042.0 | 1970.2 | 283.2  | 278.2  | 319.9  | 351.5  | 334.9  | 291.6  | 327.4  |
| 2263.4 | 80°   | 2326.7 | 2186.8 | 878.9  | 211.6  | 219.9  | 255.7  | 289.1  | 267.4  | 230.8  | 219.9  |
| 505.7  | 82.5° | 533.2  | 619.8  | 346.6  | 151.6  | 159.1  | 184.1  | 220.8  | 200.8  | 165.8  | 140.0  |
| 210.8  | 85°   | 186.6  | 204.1  | 153.3  | 95.0   | 93.3   | 115.0  | 150.0  | 134.1  | 112.5  | 90.0   |
| 89.1   | 87.5° | 59.1   | 77.5   | 57.5   | 38.3   | 40.0   | 51.6   | 69.1   | 63.3   | 52.5   | 34.2   |
| 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°   |
|--------|
| 1769.4 |
| 1817.7 |
| 1894.4 |
| 1981.8 |
| 2061.8 |
| 2106.0 |
| 2151.8 |
| 2185.9 |
| 2191.8 |
| 2165.9 |
| 2069.3 |
| 1913.5 |
| 1711.9 |
| 1502.0 |
| 1297.9 |
| 1121.3 |
| 988.8  |
| 924.7  |
| 884.7  |
| 818.1  |
| 719.8  |
| 692.3  |
| 659.8  |
| 630.6  |
| 591.5  |
| 551.5  |
| 505.7  |
| 464.8  |
| 418.2  |
| 366.5  |
| 321.6  |
| 288.2  |
| 200.8  |
| 138.3  |
| 95.0   |
| 35.8   |
| 0.0    |