

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: P948290

Luminaire Tested: **GLAN-SB3B-850-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948290  
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-SB3B-850-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16377 lumens  
Efficiency: N/A  
Efficacy: 150.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

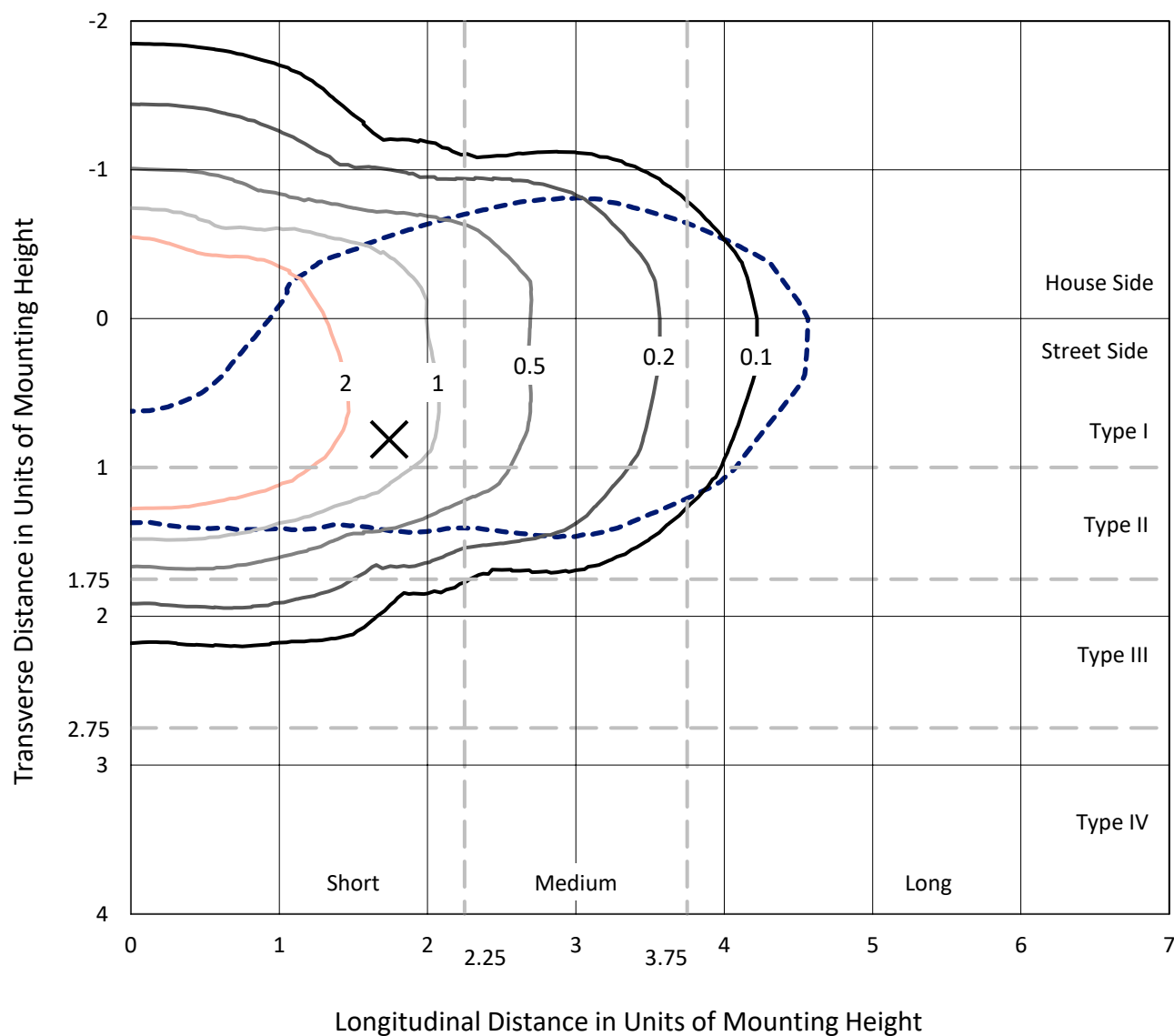
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

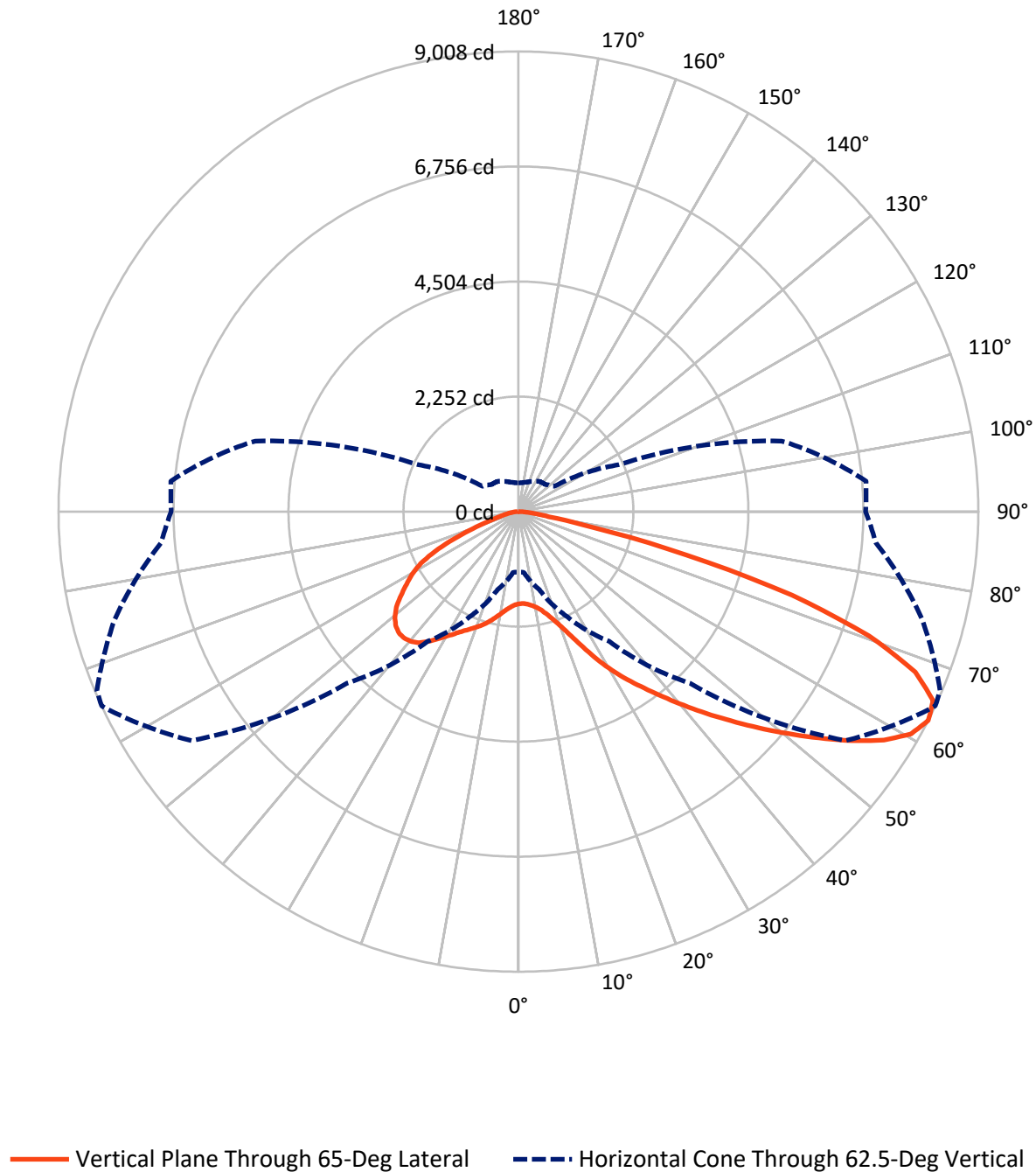
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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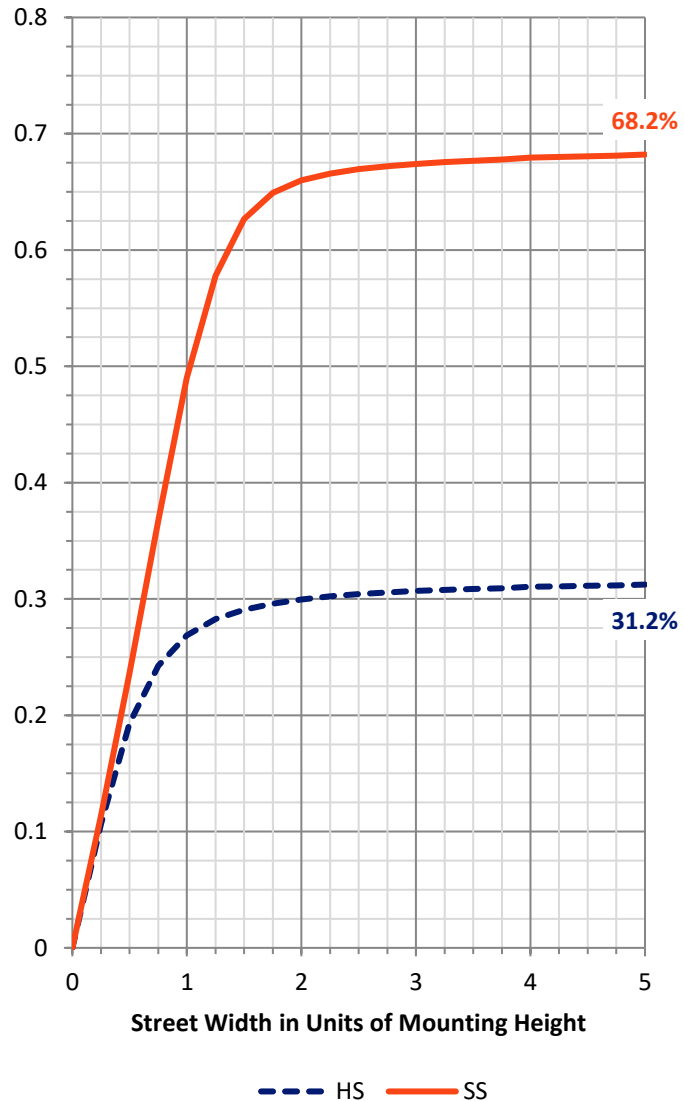
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5167.9   | 0.0    | 5167.9  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 11209.1  | 0.0    | 11209.1 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 16377.0  | 0.0    | 16377.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 179.9   | 1.1       |
| 10°-20°   | 610.1   | 3.7       |
| 20°-30°   | 1237.1  | 7.6       |
| 30°-40°   | 2140.8  | 13.1      |
| 40°-50°   | 3239.7  | 19.8      |
| 50°-60°   | 3798.4  | 23.2      |
| 60°-70°   | 3184.5  | 19.4      |
| 70°-80°   | 1758.1  | 10.7      |
| 80°-90°   | 228.4   | 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°    | 16377.0 | 100.0     |
| 0°-180°   | 16377.0 | 100.0     |

**Coefficient of Utilization**



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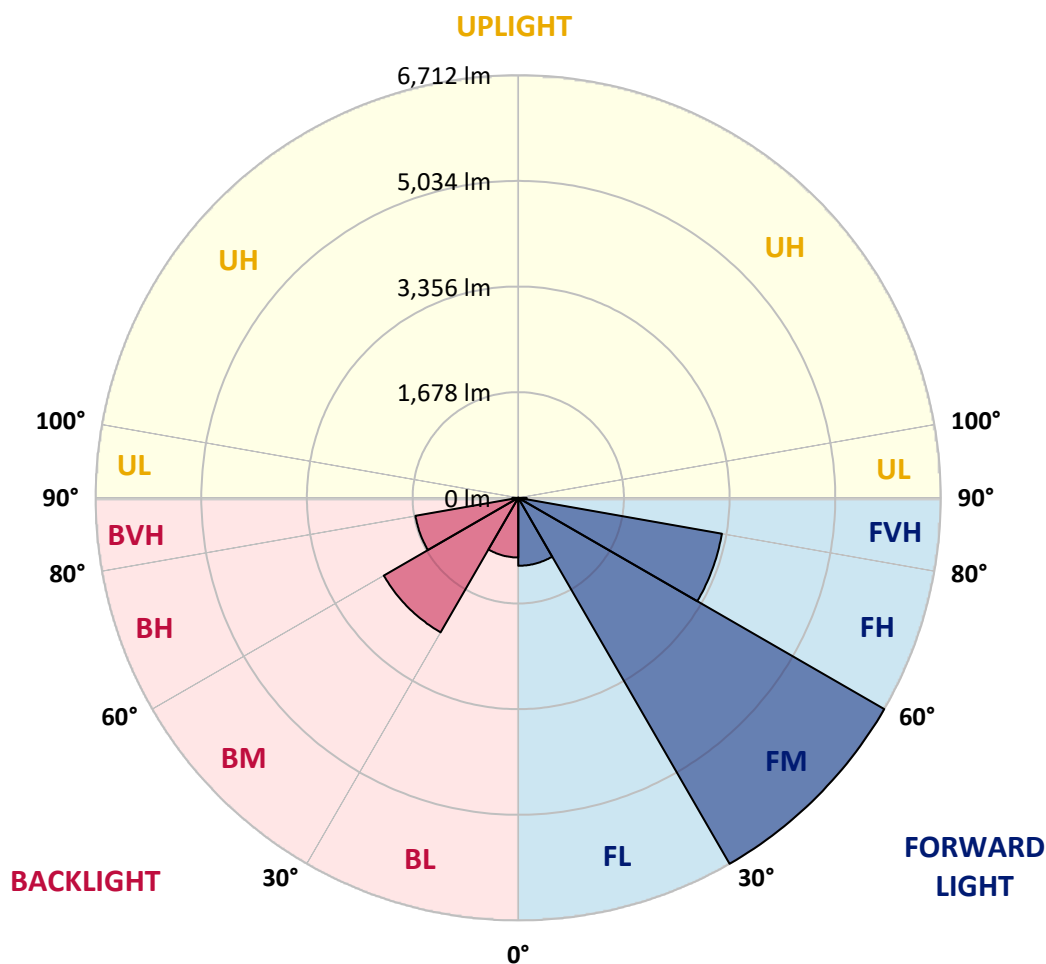
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1079.5 | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 6711.8 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 3284.7 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 133.1  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 947.7  | 5.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2467.1 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1657.8 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 95.3   | 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°    | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 |
| 2.5°  | 1792.8 | 1787.7 | 1791.9 | 1791.9 | 1793.6 | 1792.8 | 1798.7 | 1800.4 | 1803.0 | 1808.1 |
| 5°    | 1774.9 | 1774.1 | 1781.7 | 1788.5 | 1795.3 | 1801.3 | 1808.9 | 1820.0 | 1821.7 | 1827.6 |
| 7.5°  | 1769.0 | 1763.9 | 1775.8 | 1784.3 | 1800.4 | 1814.9 | 1835.3 | 1854.0 | 1861.6 | 1864.2 |
| 10°   | 1814.9 | 1806.4 | 1817.4 | 1822.5 | 1836.1 | 1850.6 | 1874.3 | 1904.1 | 1912.6 | 1922.8 |
| 12.5° | 1893.0 | 1883.7 | 1899.8 | 1907.5 | 1920.2 | 1933.0 | 1949.1 | 1978.0 | 1982.3 | 2000.9 |
| 15°   | 2000.1 | 1989.1 | 1999.2 | 2008.6 | 2029.8 | 2041.7 | 2057.9 | 2085.9 | 2085.9 | 2100.4 |
| 17.5° | 2145.4 | 2130.9 | 2138.6 | 2142.0 | 2155.6 | 2173.4 | 2200.6 | 2225.3 | 2238.0 | 2232.9 |
| 20°   | 2362.1 | 2344.2 | 2344.2 | 2327.2 | 2322.1 | 2336.6 | 2372.2 | 2406.2 | 2419.8 | 2393.5 |
| 22.5° | 2687.5 | 2662.0 | 2647.5 | 2589.8 | 2566.8 | 2568.5 | 2604.2 | 2645.8 | 2656.9 | 2610.2 |
| 25°   | 3101.3 | 3061.3 | 3041.8 | 2956.8 | 2905.0 | 2860.0 | 2888.0 | 2941.5 | 2956.8 | 2899.0 |
| 27.5° | 3515.0 | 3517.6 | 3498.9 | 3396.9 | 3311.1 | 3228.7 | 3214.3 | 3270.3 | 3286.5 | 3221.1 |
| 30°   | 4095.4 | 4035.0 | 3999.3 | 3877.0 | 3754.6 | 3639.1 | 3579.6 | 3602.6 | 3606.8 | 3528.6 |
| 32.5° | 4595.8 | 4580.5 | 4504.0 | 4397.0 | 4239.8 | 4058.8 | 3959.4 | 3922.9 | 3916.1 | 3804.8 |
| 35°   | 5165.9 | 5157.4 | 5076.7 | 4949.3 | 4779.3 | 4527.8 | 4348.6 | 4244.0 | 4235.5 | 4079.2 |
| 37.5° | 5745.4 | 5745.4 | 5666.4 | 5527.0 | 5351.1 | 5036.8 | 4764.0 | 4598.4 | 4571.2 | 4367.2 |
| 40°   | 6207.6 | 6179.6 | 6194.0 | 6135.4 | 5934.0 | 5600.1 | 5225.4 | 4984.9 | 4948.4 | 4703.7 |
| 42.5° | 6470.1 | 6460.8 | 6547.5 | 6612.9 | 6530.5 | 6263.7 | 5733.5 | 5403.8 | 5352.8 | 5074.2 |
| 45°   | 6528.8 | 6518.6 | 6673.2 | 6912.8 | 7028.4 | 6918.8 | 6285.8 | 5844.8 | 5782.8 | 5461.6 |
| 47.5° | 6393.7 | 6373.3 | 6600.1 | 6978.2 | 7348.7 | 7541.6 | 6883.9 | 6323.2 | 6233.1 | 5838.9 |
| 50°   | 5987.5 | 5968.0 | 6311.3 | 6813.4 | 7456.6 | 7964.7 | 7533.1 | 6830.4 | 6692.8 | 6243.3 |
| 52.5° | 5104.7 | 5114.1 | 5651.9 | 6341.9 | 7314.7 | 8228.1 | 8092.1 | 7364.8 | 7199.2 | 6657.1 |
| 55°   | 3976.4 | 3996.8 | 4657.8 | 5417.4 | 6747.1 | 8188.2 | 8473.6 | 7915.4 | 7750.6 | 7046.2 |
| 57.5° | 2847.2 | 2937.3 | 3556.7 | 4308.6 | 5657.0 | 7555.2 | 8556.9 | 8438.8 | 8279.1 | 7471.0 |
| 60°   | 1845.5 | 1861.6 | 2498.8 | 3256.7 | 4307.8 | 6430.2 | 8387.8 | 8835.6 | 8710.7 | 7904.4 |
| 62.5° | 1182.7 | 1193.8 | 1582.1 | 2277.9 | 3100.4 | 4757.2 | 7818.6 | 9008.1 | 8969.8 | 8190.7 |
| 65°   | 869.2  | 860.7  | 1062.9 | 1505.6 | 2088.5 | 2933.9 | 6713.2 | 8924.8 | 9000.4 | 8370.0 |
| 67.5° | 725.6  | 713.7  | 813.1  | 1042.5 | 1538.7 | 1666.2 | 4967.1 | 8383.6 | 8660.6 | 8349.6 |
| 70°   | 661.0  | 650.8  | 711.2  | 774.0  | 1200.6 | 1115.6 | 2503.9 | 7288.4 | 7714.9 | 8117.6 |
| 72.5° | 559.9  | 542.1  | 624.5  | 687.4  | 933.8  | 855.6  | 1034.9 | 5598.4 | 6118.4 | 7374.2 |
| 75°   | 434.2  | 422.3  | 492.8  | 605.0  | 701.8  | 667.8  | 654.2  | 3399.5 | 3967.1 | 5702.9 |
| 77.5° | 344.1  | 328.0  | 392.5  | 471.6  | 631.3  | 503.8  | 476.7  | 1464.0 | 2026.4 | 3640.8 |
| 80°   | 259.1  | 244.7  | 298.2  | 373.0  | 485.2  | 379.8  | 308.4  | 597.3  | 763.8  | 1844.6 |
| 82.5° | 184.4  | 171.6  | 208.2  | 273.6  | 326.3  | 340.7  | 189.5  | 334.8  | 376.4  | 711.2  |
| 85°   | 118.1  | 110.5  | 139.3  | 171.6  | 207.3  | 219.2  | 115.6  | 175.0  | 192.0  | 293.1  |
| 87.5° | 64.6   | 52.7   | 74.8   | 79.9   | 96.0   | 87.5   | 55.2   | 63.7   | 68.8   | 106.2  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1804.7 | 0°    | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 | 1804.7 |
| 1808.1 | 2.5°  | 1811.5 | 1814.0 | 1822.5 | 1825.1 | 1831.0 | 1838.7 | 1843.8 | 1848.9 | 1848.9 | 1854.0 |
| 1835.3 | 5°    | 1836.1 | 1842.1 | 1859.9 | 1869.2 | 1884.5 | 1899.8 | 1909.2 | 1920.2 | 1927.0 | 1930.4 |
| 1878.6 | 7.5°  | 1883.7 | 1893.0 | 1918.5 | 1934.7 | 1961.0 | 1982.3 | 1996.7 | 2012.0 | 2015.4 | 2024.7 |
| 1938.9 | 10°   | 1948.3 | 1959.3 | 1988.2 | 2018.8 | 2050.2 | 2076.6 | 2090.2 | 2101.2 | 2105.5 | 2107.2 |
| 2016.2 | 12.5° | 2022.2 | 2038.3 | 2075.7 | 2113.1 | 2146.2 | 2169.2 | 2172.6 | 2170.0 | 2158.1 | 2147.9 |
| 2111.4 | 15°   | 2113.1 | 2127.5 | 2169.2 | 2210.0 | 2242.2 | 2246.5 | 2225.3 | 2211.7 | 2197.2 | 2194.7 |
| 2217.6 | 17.5° | 2221.9 | 2229.5 | 2267.7 | 2307.7 | 2310.2 | 2295.8 | 2264.3 | 2251.6 | 2238.0 | 2228.7 |
| 2356.1 | 20°   | 2348.5 | 2345.9 | 2373.1 | 2390.1 | 2372.2 | 2328.1 | 2280.5 | 2259.2 | 2245.6 | 2234.6 |
| 2526.0 | 22.5° | 2499.7 | 2480.2 | 2476.8 | 2472.5 | 2424.9 | 2332.3 | 2267.7 | 2240.5 | 2219.3 | 2204.0 |
| 2763.1 | 25°   | 2719.8 | 2645.0 | 2593.2 | 2564.3 | 2457.2 | 2309.4 | 2227.0 | 2166.6 | 2126.7 | 2100.4 |
| 3052.8 | 27.5° | 2995.0 | 2869.3 | 2738.4 | 2667.9 | 2457.2 | 2262.6 | 2128.4 | 2030.7 | 1965.3 | 1938.1 |
| 3333.2 | 30°   | 3257.6 | 3125.9 | 2933.0 | 2792.8 | 2451.3 | 2186.2 | 1969.5 | 1833.6 | 1757.1 | 1729.9 |
| 3572.8 | 32.5° | 3481.9 | 3338.3 | 3139.5 | 2929.6 | 2436.8 | 2062.1 | 1772.4 | 1622.0 | 1548.1 | 1515.8 |
| 3809.9 | 35°   | 3690.1 | 3537.1 | 3346.8 | 3080.0 | 2398.6 | 1880.3 | 1555.7 | 1441.0 | 1358.6 | 1306.8 |
| 4051.2 | 37.5° | 3903.3 | 3721.5 | 3543.1 | 3216.0 | 2329.8 | 1667.9 | 1389.2 | 1291.5 | 1194.6 | 1124.9 |
| 4307.8 | 40°   | 4135.3 | 3917.8 | 3752.9 | 3296.7 | 2216.8 | 1465.7 | 1260.0 | 1170.8 | 1068.0 | 994.1  |
| 4603.4 | 42.5° | 4406.3 | 4153.1 | 3986.6 | 3338.3 | 2062.1 | 1322.1 | 1175.9 | 1088.4 | 991.6  | 931.2  |
| 4920.4 | 45°   | 4689.3 | 4412.3 | 4199.9 | 3337.5 | 1889.6 | 1254.9 | 1148.7 | 1062.1 | 955.0  | 892.1  |
| 5245.8 | 47.5° | 4985.8 | 4683.3 | 4384.2 | 3283.1 | 1740.1 | 1264.3 | 1133.4 | 1005.1 | 887.0  | 825.9  |
| 5574.6 | 50°   | 5283.2 | 4979.8 | 4562.7 | 3181.1 | 1676.4 | 1243.9 | 1076.5 | 925.3  | 785.9  | 730.7  |
| 5883.0 | 52.5° | 5578.0 | 5295.1 | 4716.5 | 3035.8 | 1611.8 | 1168.3 | 1003.4 | 821.6  | 744.3  | 706.1  |
| 6201.7 | 55°   | 5874.5 | 5606.9 | 4883.8 | 2824.3 | 1450.4 | 1079.9 | 881.1  | 782.5  | 711.2  | 676.3  |
| 6513.5 | 57.5° | 6171.9 | 5967.2 | 5042.7 | 2612.7 | 1247.3 | 971.2  | 814.0  | 735.0  | 678.0  | 648.3  |
| 6774.3 | 60°   | 6481.2 | 6379.2 | 5206.7 | 2418.1 | 1046.8 | 831.8  | 764.7  | 696.7  | 638.9  | 605.8  |
| 7025.0 | 62.5° | 6799.8 | 6833.0 | 5335.0 | 2167.5 | 862.4  | 746.8  | 720.5  | 650.8  | 594.8  | 563.3  |
| 7232.3 | 65°   | 7121.0 | 7270.5 | 5419.1 | 1820.0 | 699.3  | 666.1  | 672.9  | 600.7  | 543.8  | 516.6  |
| 7384.4 | 67.5° | 7363.1 | 7585.7 | 5395.3 | 1377.3 | 573.5  | 589.7  | 613.5  | 548.0  | 494.5  | 473.3  |
| 7359.7 | 70°   | 7390.3 | 7548.4 | 5160.8 | 943.1  | 480.1  | 514.9  | 547.2  | 496.2  | 441.0  | 425.7  |
| 7013.1 | 72.5° | 7028.4 | 7038.6 | 4507.4 | 616.0  | 406.1  | 452.0  | 477.5  | 443.5  | 390.0  | 374.7  |
| 6135.4 | 75°   | 6079.3 | 5821.0 | 3309.4 | 406.1  | 339.9  | 388.3  | 412.1  | 388.3  | 336.5  | 339.9  |
| 4590.7 | 77.5° | 4606.0 | 4122.5 | 2009.4 | 288.9  | 283.8  | 326.3  | 358.6  | 341.6  | 297.4  | 333.9  |
| 2308.5 | 80°   | 2373.1 | 2230.4 | 896.4  | 215.8  | 224.3  | 260.8  | 294.8  | 272.7  | 235.4  | 224.3  |
| 515.7  | 82.5° | 543.8  | 632.1  | 353.5  | 154.6  | 162.3  | 187.8  | 225.2  | 204.8  | 169.1  | 142.7  |
| 215.0  | 85°   | 190.3  | 208.2  | 156.3  | 96.9   | 95.2   | 117.3  | 152.9  | 136.8  | 114.7  | 91.8   |
| 90.9   | 87.5° | 60.3   | 79.0   | 58.6   | 39.1   | 40.8   | 52.7   | 70.5   | 64.6   | 53.5   | 34.8   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| 180°   |
|--------|
| 1804.7 |
| 1854.0 |
| 1932.1 |
| 2021.3 |
| 2102.9 |
| 2147.9 |
| 2194.7 |
| 2229.5 |
| 2235.5 |
| 2209.1 |
| 2110.6 |
| 1951.7 |
| 1746.0 |
| 1531.9 |
| 1323.8 |
| 1143.6 |
| 1008.5 |
| 943.1  |
| 902.3  |
| 834.4  |
| 734.1  |
| 706.1  |
| 672.9  |
| 643.2  |
| 603.3  |
| 562.5  |
| 515.7  |
| 474.1  |
| 426.5  |
| 373.8  |
| 328.0  |
| 294.0  |
| 204.8  |
| 141.0  |
| 96.9   |
| 36.5   |
| 0.0    |