

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: P947620

Luminaire Tested: **GLAN-SB2D-930-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-930-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14533 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

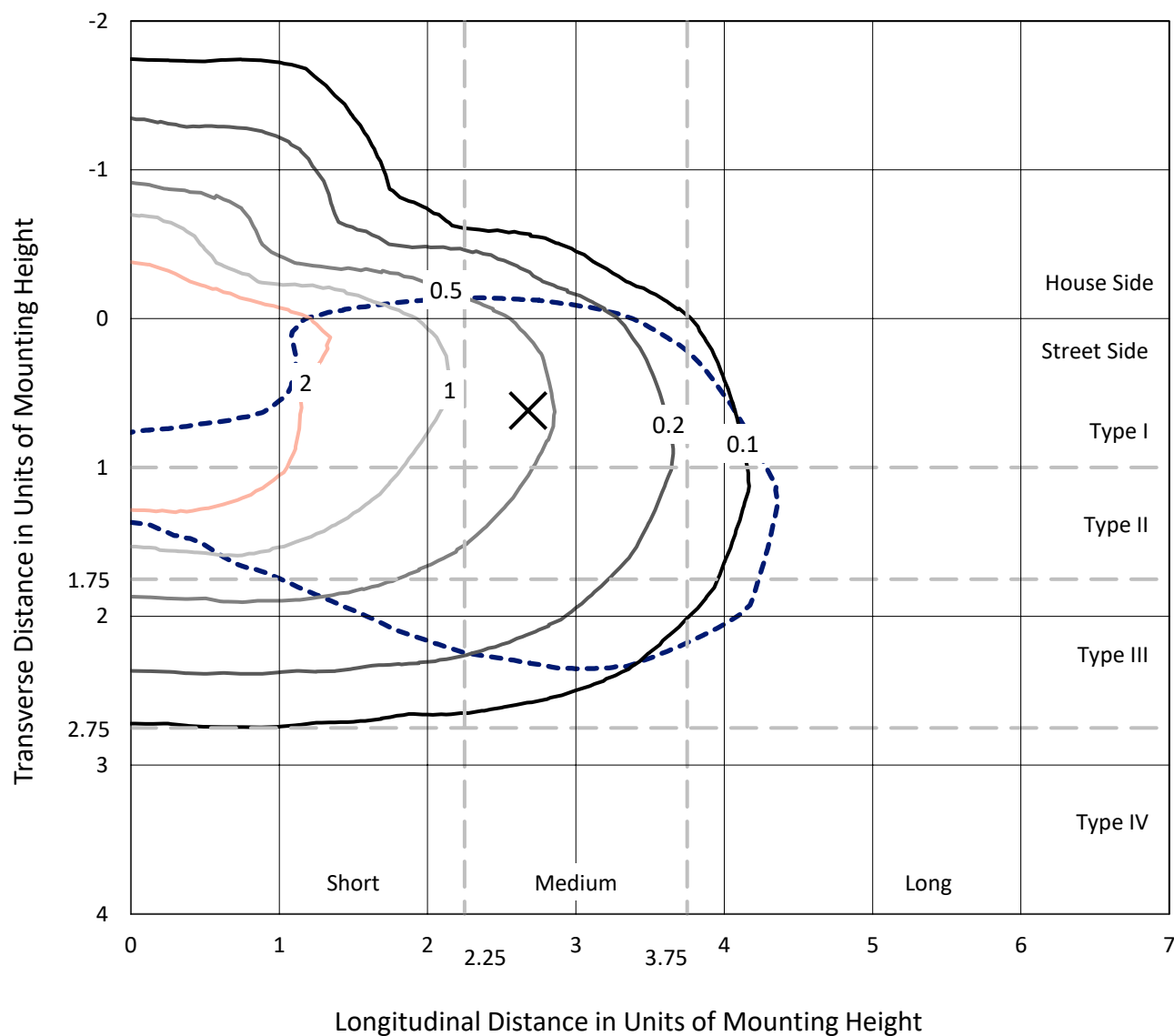
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

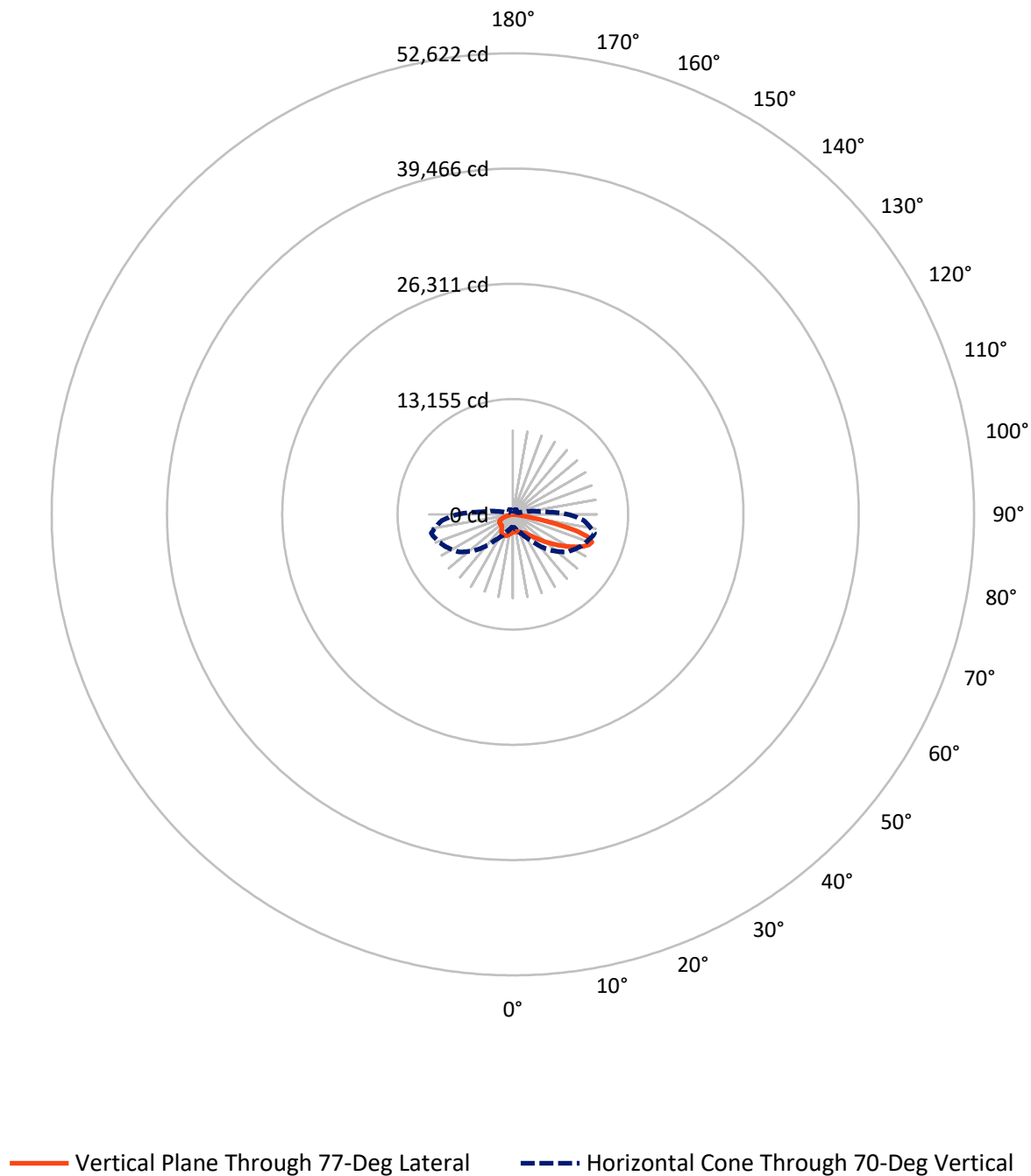


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3182.5   | 0.0    | 3182.5  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 11350.5  | 0.0    | 11350.5 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 14533.0  | 0.0    | 14533.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 193.4   | 1.3       |
| 10°-20°   | 558.1   | 3.8       |
| 20°-30°   | 954.4   | 6.6       |
| 30°-40°   | 1534.8  | 10.6      |
| 40°-50°   | 2396.2  | 16.5      |
| 50°-60°   | 3200.7  | 22.0      |
| 60°-70°   | 3411.5  | 23.5      |
| 70°-80°   | 2100.1  | 14.5      |
| 80°-90°   | 184.0   | 1.3       |
| 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°    | 14533.0 | 100.0     |
| 0°-180°   | 14533.0 | 100.0     |

**Coefficient of Utilization**



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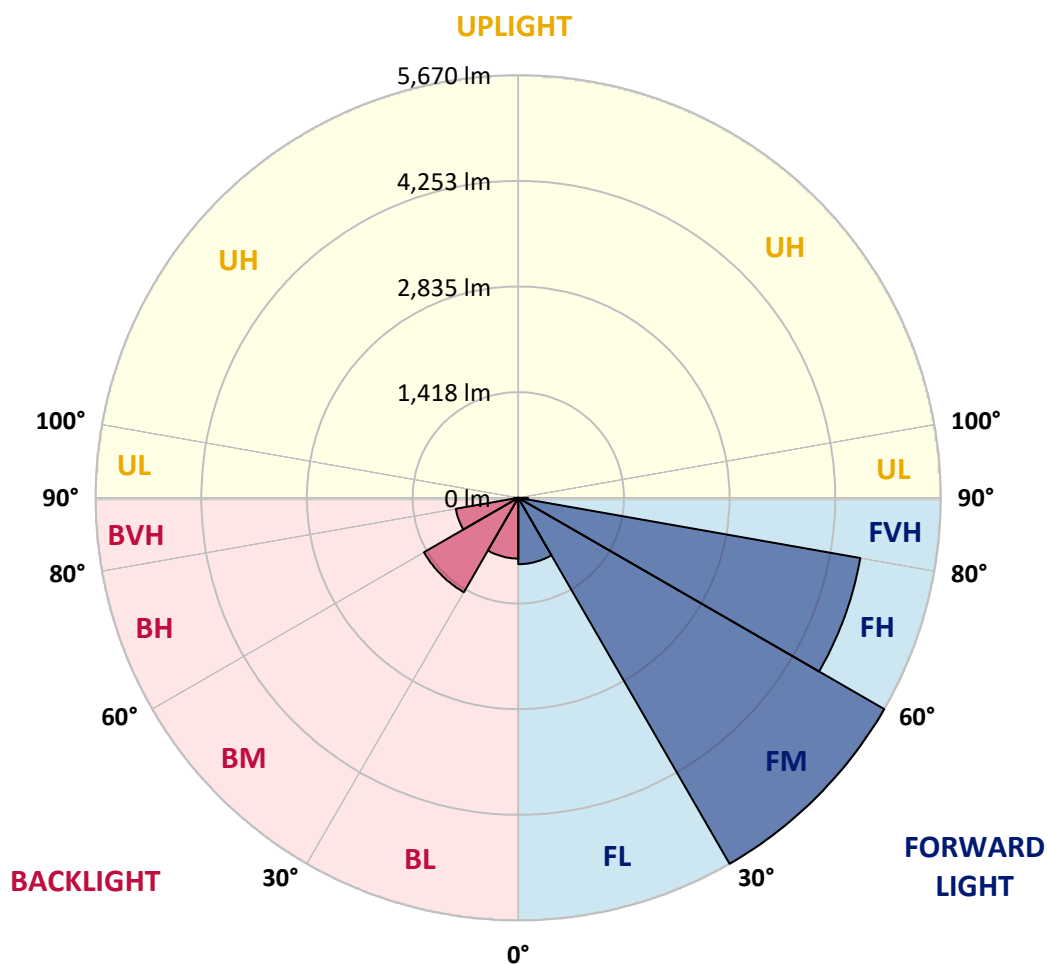
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 890.4  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 5670.5 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 4661.0 | 32.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 128.7  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 815.5  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1461.2 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 850.5  | 5.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 55.3   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 |
| 2.5°  | 1868.9 | 1868.2 | 1877.9 | 1880.9 | 1898.7 | 1911.4 | 1935.2 | 1960.5 | 1993.2 | 1997.0 |
| 5°    | 1761.0 | 1761.0 | 1772.2 | 1784.1 | 1807.2 | 1832.5 | 1868.9 | 1912.9 | 1969.4 | 1978.4 |
| 7.5°  | 1669.5 | 1675.4 | 1685.1 | 1708.2 | 1735.0 | 1771.4 | 1827.3 | 1889.8 | 1964.2 | 1978.4 |
| 10°   | 1595.8 | 1602.5 | 1614.4 | 1633.0 | 1673.2 | 1723.8 | 1796.8 | 1877.1 | 1976.9 | 1999.2 |
| 12.5° | 1572.7 | 1579.4 | 1586.1 | 1600.3 | 1637.5 | 1697.0 | 1784.1 | 1883.1 | 2007.4 | 2029.7 |
| 15°   | 1626.3 | 1634.5 | 1629.3 | 1625.6 | 1644.9 | 1699.2 | 1790.1 | 1904.7 | 2045.3 | 2077.4 |
| 17.5° | 1749.9 | 1752.8 | 1740.9 | 1705.9 | 1703.0 | 1732.0 | 1818.3 | 1934.4 | 2093.0 | 2128.0 |
| 20°   | 1949.3 | 1944.1 | 1919.6 | 1850.3 | 1810.9 | 1804.9 | 1866.7 | 1979.1 | 2142.1 | 2179.3 |
| 22.5° | 2220.3 | 2214.3 | 2165.2 | 2055.8 | 1967.9 | 1909.9 | 1936.7 | 2037.2 | 2197.2 | 2238.9 |
| 25°   | 2558.2 | 2550.0 | 2477.8 | 2328.9 | 2192.7 | 2049.1 | 2032.0 | 2113.8 | 2264.9 | 2303.6 |
| 27.5° | 2952.7 | 2946.0 | 2867.8 | 2671.3 | 2474.8 | 2239.6 | 2150.3 | 2203.9 | 2335.6 | 2379.5 |
| 30°   | 3376.9 | 3396.3 | 3257.8 | 3046.4 | 2797.8 | 2488.2 | 2309.6 | 2314.8 | 2427.2 | 2466.6 |
| 32.5° | 3875.6 | 3909.1 | 3742.4 | 3474.4 | 3135.0 | 2758.4 | 2510.5 | 2469.6 | 2560.4 | 2593.2 |
| 35°   | 4369.8 | 4407.8 | 4269.3 | 3973.1 | 3582.3 | 3077.0 | 2720.4 | 2647.5 | 2737.6 | 2773.3 |
| 37.5° | 4797.0 | 4847.7 | 4776.2 | 4518.7 | 4060.9 | 3461.0 | 2994.3 | 2856.6 | 2955.6 | 3000.3 |
| 40°   | 5134.2 | 5211.6 | 5206.4 | 5045.6 | 4625.1 | 3927.0 | 3341.9 | 3114.9 | 3226.6 | 3274.9 |
| 42.5° | 5408.1 | 5475.1 | 5533.2 | 5525.0 | 5213.9 | 4456.2 | 3750.6 | 3450.6 | 3535.4 | 3591.3 |
| 45°   | 5597.2 | 5668.6 | 5793.7 | 5928.4 | 5780.3 | 5022.6 | 4218.7 | 3848.8 | 3926.2 | 4010.3 |
| 47.5° | 5766.1 | 5847.3 | 6009.5 | 6223.1 | 6261.1 | 5591.2 | 4731.5 | 4312.5 | 4383.2 | 4470.3 |
| 50°   | 5781.0 | 5851.0 | 6102.6 | 6405.5 | 6602.7 | 6137.5 | 5282.3 | 4832.8 | 4899.0 | 4992.1 |
| 52.5° | 5421.5 | 5531.7 | 5970.8 | 6400.3 | 6759.8 | 6594.5 | 5829.4 | 5373.9 | 5448.3 | 5560.0 |
| 55°   | 4208.3 | 4369.8 | 5584.5 | 6200.8 | 6704.0 | 6890.0 | 6349.7 | 5949.2 | 6044.5 | 6161.4 |
| 57.5° | 3624.8 | 3695.5 | 4433.1 | 5837.6 | 6449.4 | 6966.7 | 6788.8 | 6530.5 | 6683.9 | 6811.9 |
| 60°   | 3257.8 | 3316.6 | 3752.8 | 5272.7 | 6114.5 | 6845.4 | 7128.2 | 7072.4 | 7337.4 | 7489.9 |
| 62.5° | 2864.8 | 2920.7 | 3317.4 | 4402.6 | 5685.7 | 6643.7 | 7342.6 | 7572.6 | 8007.2 | 8174.0 |
| 65°   | 2474.8 | 2522.4 | 2902.8 | 3699.2 | 5140.9 | 6442.0 | 7453.5 | 8005.0 | 8627.2 | 8799.9 |
| 67.5° | 2040.1 | 2079.6 | 2439.1 | 3120.9 | 4478.5 | 6165.8 | 7508.5 | 8345.1 | 9166.9 | 9315.0 |
| 70°   | 1472.2 | 1502.8 | 1874.2 | 2468.1 | 3647.1 | 5691.0 | 7486.2 | 8586.3 | 9446.7 | 9565.1 |
| 72.5° | 695.9  | 723.5  | 1159.6 | 1602.5 | 2576.0 | 4766.5 | 7034.4 | 8395.0 | 9162.4 | 9103.6 |
| 75°   | 371.4  | 395.2  | 666.2  | 879.0  | 1360.6 | 3267.5 | 5756.5 | 7231.7 | 7693.9 | 7408.1 |
| 77.5° | 251.6  | 270.2  | 412.3  | 527.7  | 621.5  | 1551.1 | 3699.9 | 5006.9 | 4817.1 | 4345.3 |
| 80°   | 199.5  | 218.8  | 337.9  | 357.3  | 300.7  | 560.5  | 1528.8 | 2317.8 | 1665.0 | 1331.6 |
| 82.5° | 153.3  | 174.9  | 284.3  | 259.0  | 163.7  | 230.0  | 445.1  | 733.1  | 426.5  | 324.5  |
| 85°   | 93.8   | 116.9  | 223.3  | 165.2  | 92.3   | 104.9  | 151.1  | 203.9  | 130.3  | 108.7  |
| 87.5° | 47.6   | 67.0   | 113.1  | 60.3   | 41.7   | 24.6   | 40.2   | 40.2   | 34.2   | 29.8   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2027.5 | 0°    | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 | 2027.5 |
| 2017.1 | 2.5°  | 2034.9 | 2049.8 | 2075.1 | 2098.9 | 2117.5 | 2135.4 | 2153.3 | 2162.9 | 2165.9 | 2177.8 |
| 2028.2 | 5°    | 2058.7 | 2086.3 | 2135.4 | 2181.6 | 2210.6 | 2228.4 | 2241.1 | 2248.5 | 2250.0 | 2253.8 |
| 2058.7 | 7.5°  | 2102.7 | 2146.6 | 2215.1 | 2261.2 | 2282.8 | 2281.3 | 2276.1 | 2257.5 | 2250.0 | 2243.3 |
| 2103.4 | 10°   | 2164.4 | 2222.5 | 2306.6 | 2338.6 | 2325.2 | 2289.5 | 2243.3 | 2189.0 | 2163.7 | 2139.1 |
| 2164.4 | 12.5° | 2241.1 | 2314.8 | 2397.4 | 2395.9 | 2329.7 | 2238.1 | 2130.9 | 2047.6 | 1994.7 | 1956.8 |
| 2239.6 | 15°   | 2334.1 | 2419.0 | 2482.3 | 2431.6 | 2286.5 | 2122.0 | 1965.0 | 1856.3 | 1808.7 | 1767.0 |
| 2315.5 | 17.5° | 2430.2 | 2521.0 | 2550.0 | 2420.5 | 2177.8 | 1950.1 | 1772.2 | 1686.6 | 1639.7 | 1617.4 |
| 2397.4 | 20°   | 2523.9 | 2614.0 | 2590.2 | 2356.5 | 2012.6 | 1755.1 | 1596.5 | 1549.6 | 1540.0 | 1545.2 |
| 2477.0 | 22.5° | 2622.9 | 2703.3 | 2598.4 | 2232.9 | 1802.0 | 1555.6 | 1468.5 | 1470.0 | 1491.6 | 1507.2 |
| 2560.4 | 25°   | 2724.2 | 2778.5 | 2576.8 | 2054.3 | 1575.7 | 1409.0 | 1387.4 | 1411.2 | 1453.6 | 1484.1 |
| 2654.2 | 27.5° | 2821.7 | 2845.5 | 2529.9 | 1833.2 | 1381.4 | 1304.0 | 1307.7 | 1356.9 | 1420.9 | 1463.3 |
| 2768.1 | 30°   | 2931.8 | 2905.0 | 2439.8 | 1584.6 | 1246.7 | 1214.0 | 1245.2 | 1302.5 | 1366.5 | 1404.5 |
| 2911.7 | 32.5° | 3056.1 | 2956.4 | 2296.9 | 1354.6 | 1151.4 | 1141.8 | 1193.1 | 1230.3 | 1258.6 | 1269.8 |
| 3102.3 | 35°   | 3210.9 | 3028.6 | 2113.8 | 1193.1 | 1065.8 | 1088.9 | 1138.0 | 1119.4 | 1108.3 | 1102.3 |
| 3358.3 | 37.5° | 3411.9 | 3126.1 | 1899.5 | 1088.2 | 996.6  | 1051.0 | 1071.1 | 1013.0 | 969.1  | 947.5  |
| 3668.7 | 40°   | 3653.8 | 3269.0 | 1693.3 | 1007.0 | 952.7  | 1018.2 | 983.2  | 913.3  | 857.4  | 826.9  |
| 4017.8 | 42.5° | 3922.5 | 3418.6 | 1519.9 | 946.0  | 928.1  | 991.4  | 918.5  | 835.1  | 745.0  | 735.4  |
| 4433.8 | 45°   | 4204.6 | 3572.7 | 1401.5 | 899.1  | 916.2  | 968.3  | 881.3  | 746.5  | 682.5  | 722.0  |
| 4851.4 | 47.5° | 4486.7 | 3714.1 | 1330.1 | 864.1  | 910.3  | 942.3  | 848.5  | 697.4  | 652.0  | 709.3  |
| 5298.7 | 50°   | 4800.8 | 3840.6 | 1298.1 | 838.8  | 903.6  | 931.9  | 799.4  | 684.8  | 620.0  | 658.0  |
| 5761.7 | 52.5° | 5112.6 | 3938.9 | 1274.2 | 813.5  | 893.9  | 923.7  | 775.6  | 669.9  | 581.3  | 583.5  |
| 6227.6 | 55°   | 5423.7 | 4002.9 | 1248.2 | 780.0  | 872.3  | 905.8  | 773.3  | 653.5  | 552.3  | 541.9  |
| 6720.3 | 57.5° | 5755.7 | 4039.3 | 1216.2 | 742.8  | 835.1  | 860.4  | 771.1  | 640.8  | 543.3  | 526.2  |
| 7224.2 | 60°   | 6093.6 | 4092.9 | 1174.5 | 697.4  | 785.2  | 806.1  | 765.9  | 636.4  | 538.1  | 509.1  |
| 7699.1 | 62.5° | 6396.6 | 4111.5 | 1124.6 | 654.2  | 721.2  | 752.5  | 754.7  | 632.7  | 524.0  | 474.1  |
| 8093.6 | 65°   | 6595.3 | 4031.2 | 1037.6 | 605.1  | 652.0  | 697.4  | 733.1  | 620.0  | 498.7  | 448.8  |
| 8288.6 | 67.5° | 6587.1 | 3801.9 | 901.4  | 541.9  | 585.0  | 636.4  | 701.9  | 598.4  | 468.2  | 417.6  |
| 8141.2 | 70°   | 6280.4 | 3349.4 | 728.7  | 468.2  | 511.3  | 570.9  | 661.7  | 566.4  | 431.7  | 383.3  |
| 7239.1 | 72.5° | 5386.5 | 2621.4 | 529.2  | 381.8  | 425.7  | 503.1  | 609.6  | 527.7  | 394.5  | 352.8  |
| 5350.1 | 75°   | 3848.1 | 1659.1 | 358.8  | 293.3  | 331.2  | 426.5  | 544.8  | 482.3  | 360.2  | 354.3  |
| 2679.5 | 77.5° | 1965.7 | 792.7  | 237.4  | 214.4  | 230.7  | 336.4  | 457.7  | 431.0  | 365.5  | 292.5  |
| 762.2  | 80°   | 639.4  | 292.5  | 149.6  | 145.9  | 153.3  | 224.0  | 354.3  | 353.5  | 276.9  | 198.7  |
| 184.6  | 82.5° | 203.9  | 125.8  | 97.5   | 93.8   | 90.1   | 140.7  | 247.1  | 279.9  | 186.8  | 125.8  |
| 66.2   | 85°   | 81.1   | 75.2   | 57.3   | 52.8   | 38.0   | 66.2   | 129.5  | 186.1  | 139.2  | 90.8   |
| 17.1   | 87.5° | 29.8   | 29.8   | 15.6   | 11.2   | 8.2    | 22.3   | 35.0   | 55.8   | 79.6   | 46.9   |
| 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°   |
|--------|
| 2027.5 |
| 2184.5 |
| 2259.7 |
| 2244.8 |
| 2131.7 |
| 1947.8 |
| 1762.5 |
| 1624.1 |
| 1542.9 |
| 1510.9 |
| 1492.3 |
| 1473.7 |
| 1413.4 |
| 1275.7 |
| 1108.3 |
| 952.7  |
| 829.2  |
| 745.0  |
| 742.8  |
| 736.1  |
| 686.2  |
| 599.2  |
| 549.3  |
| 528.5  |
| 511.3  |
| 474.1  |
| 448.8  |
| 419.8  |
| 387.8  |
| 350.6  |
| 334.2  |
| 260.5  |
| 175.7  |
| 125.0  |
| 93.0   |
| 46.1   |
| 0.0    |