

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: P947011

Luminaire Tested: **GLAN-SB2C-727-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947011  
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-SB2C-727-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14261 lumens  
Efficiency: N/A  
Efficacy: 141.3 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): 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

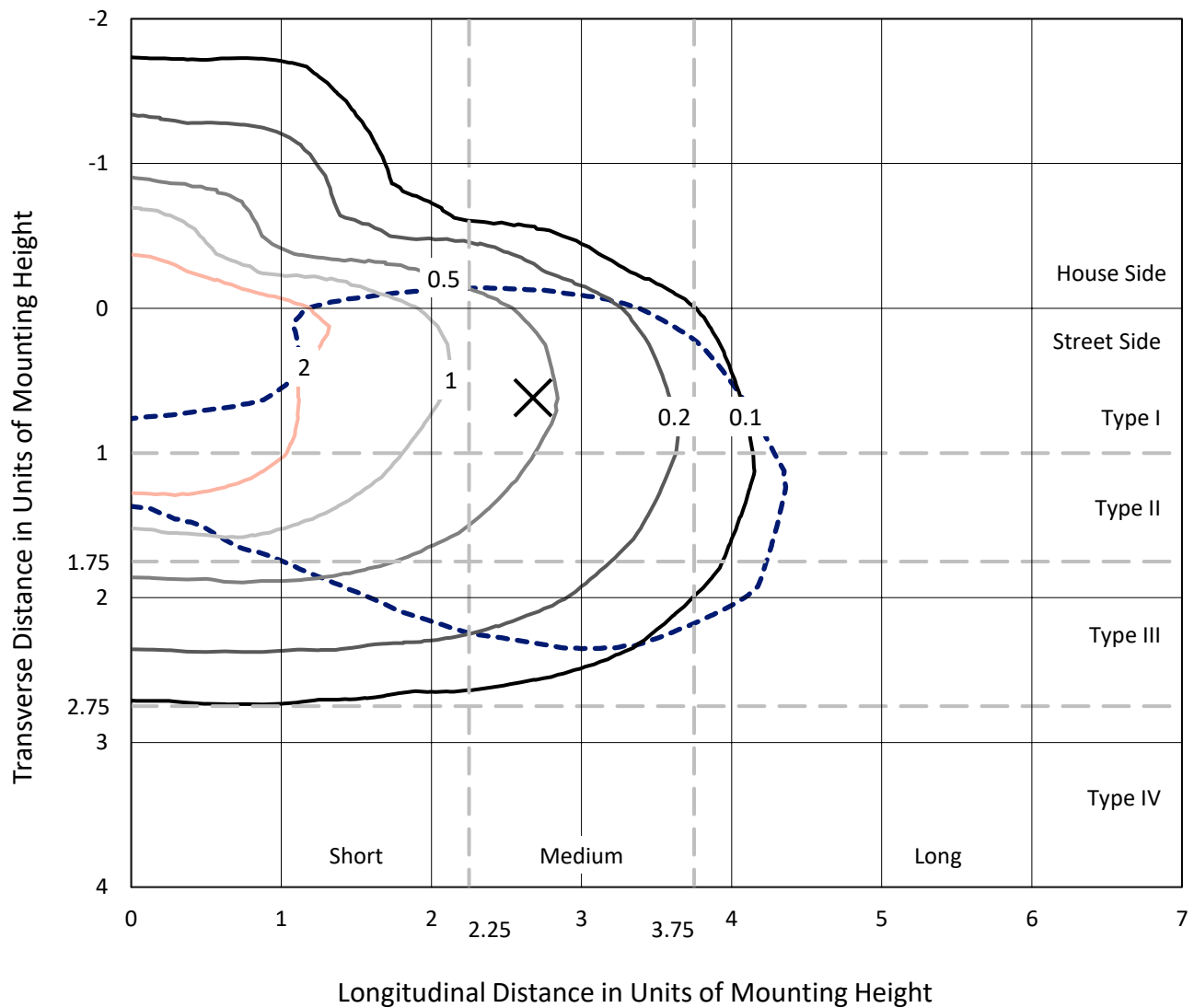


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

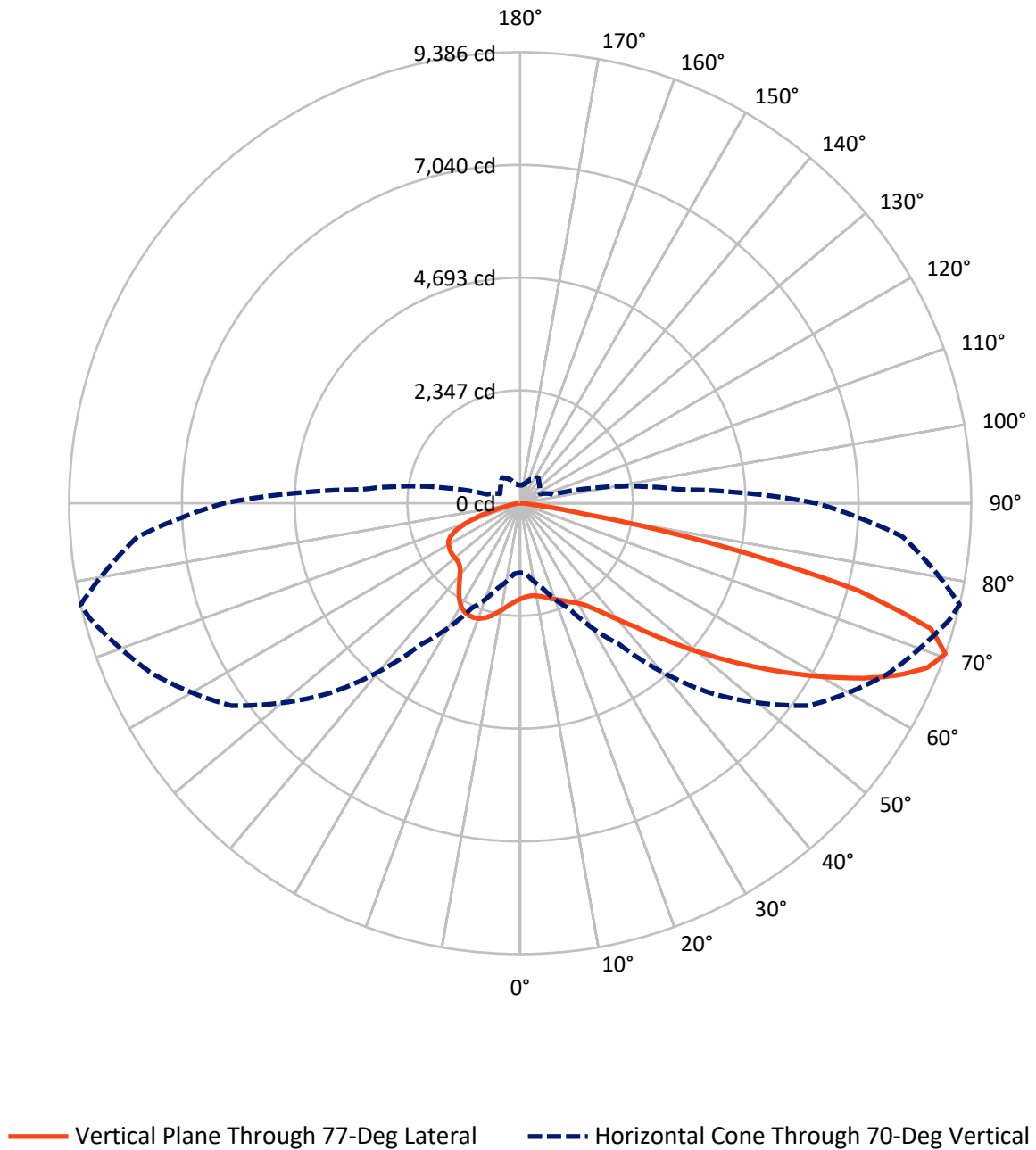


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3122.9   | 0.0    | 3122.9  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 11138.1  | 0.0    | 11138.1 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 14261.0  | 0.0    | 14261.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 189.7   | 1.3       |
| 10°-20°   | 547.6   | 3.8       |
| 20°-30°   | 936.5   | 6.6       |
| 30°-40°   | 1506.0  | 10.6      |
| 40°-50°   | 2351.3  | 16.5      |
| 50°-60°   | 3140.8  | 22.0      |
| 60°-70°   | 3347.6  | 23.5      |
| 70°-80°   | 2060.8  | 14.5      |
| 80°-90°   | 180.6   | 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°    | 14261.0 | 100.0     |
| 0°-180°   | 14261.0 | 100.0     |

**Coefficient of Utilization**



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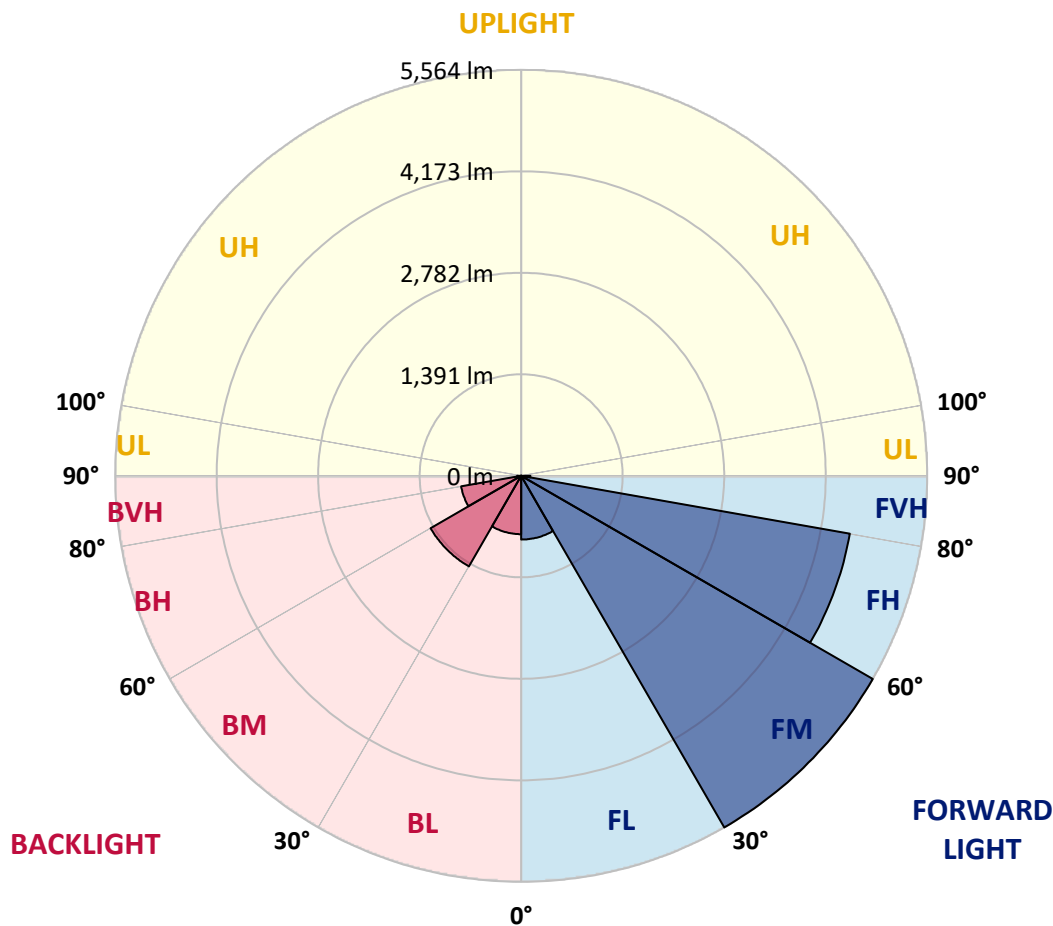
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 873.7  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 5564.3 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 4573.7 | 32.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 126.3  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 800.2  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1433.8 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 834.6  | 5.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 54.3   | 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°    | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 |
| 2.5°  | 1834.0 | 1833.2 | 1842.7 | 1845.7 | 1863.2 | 1875.6 | 1899.0 | 1923.8 | 1955.9 | 1959.6 |
| 5°    | 1728.1 | 1728.1 | 1739.0 | 1750.7 | 1773.3 | 1798.2 | 1834.0 | 1877.1 | 1932.6 | 1941.3 |
| 7.5°  | 1638.2 | 1644.1 | 1653.6 | 1676.2 | 1702.5 | 1738.3 | 1793.1 | 1854.4 | 1927.5 | 1941.3 |
| 10°   | 1565.9 | 1572.5 | 1584.2 | 1602.4 | 1641.9 | 1691.5 | 1763.1 | 1842.0 | 1939.9 | 1961.8 |
| 12.5° | 1543.3 | 1549.9 | 1556.4 | 1570.3 | 1606.8 | 1665.3 | 1750.7 | 1847.8 | 1969.8 | 1991.7 |
| 15°   | 1595.9 | 1603.9 | 1598.8 | 1595.1 | 1614.1 | 1667.4 | 1756.6 | 1869.0 | 2007.1 | 2038.5 |
| 17.5° | 1717.1 | 1720.0 | 1708.3 | 1674.0 | 1671.1 | 1699.6 | 1784.3 | 1898.2 | 2053.8 | 2088.1 |
| 20°   | 1912.9 | 1907.7 | 1883.6 | 1815.7 | 1777.0 | 1771.2 | 1831.8 | 1942.1 | 2102.0 | 2138.5 |
| 22.5° | 2178.7 | 2172.9 | 2124.7 | 2017.3 | 1931.1 | 1874.1 | 1900.4 | 1999.0 | 2156.1 | 2197.0 |
| 25°   | 2510.3 | 2502.3 | 2431.4 | 2285.3 | 2151.7 | 2010.7 | 1993.9 | 2074.3 | 2222.5 | 2260.5 |
| 27.5° | 2897.4 | 2890.8 | 2814.1 | 2621.3 | 2428.5 | 2197.7 | 2110.1 | 2162.6 | 2291.9 | 2335.0 |
| 30°   | 3313.7 | 3332.7 | 3196.8 | 2989.4 | 2745.5 | 2441.6 | 2266.4 | 2271.5 | 2381.8 | 2420.5 |
| 32.5° | 3803.1 | 3835.9 | 3672.3 | 3409.4 | 3076.3 | 2706.8 | 2463.6 | 2423.4 | 2512.5 | 2544.6 |
| 35°   | 4288.0 | 4325.3 | 4189.4 | 3898.7 | 3515.3 | 3019.4 | 2669.5 | 2597.9 | 2686.3 | 2721.4 |
| 37.5° | 4707.3 | 4756.9 | 4686.8 | 4434.1 | 3984.9 | 3396.2 | 2938.3 | 2803.2 | 2900.3 | 2944.1 |
| 40°   | 5038.1 | 5114.1 | 5109.0 | 4951.2 | 4538.5 | 3853.5 | 3279.4 | 3056.6 | 3166.2 | 3213.6 |
| 42.5° | 5306.9 | 5372.6 | 5429.6 | 5421.6 | 5116.3 | 4372.8 | 3680.4 | 3386.0 | 3469.3 | 3524.1 |
| 45°   | 5492.4 | 5562.5 | 5685.2 | 5817.4 | 5672.1 | 4928.6 | 4139.8 | 3776.8 | 3852.7 | 3935.3 |
| 47.5° | 5658.2 | 5737.8 | 5897.0 | 6106.7 | 6143.9 | 5486.6 | 4643.0 | 4231.8 | 4301.2 | 4386.6 |
| 50°   | 5672.8 | 5741.5 | 5988.3 | 6285.6 | 6479.2 | 6022.7 | 5183.5 | 4742.3 | 4807.3 | 4898.6 |
| 52.5° | 5320.0 | 5428.1 | 5859.1 | 6280.5 | 6633.3 | 6471.1 | 5720.3 | 5273.3 | 5346.3 | 5455.9 |
| 55°   | 4129.5 | 4288.0 | 5480.0 | 6084.7 | 6578.5 | 6761.1 | 6230.8 | 5837.9 | 5931.4 | 6046.0 |
| 57.5° | 3556.9 | 3626.3 | 4350.1 | 5728.3 | 6328.7 | 6836.3 | 6661.7 | 6408.3 | 6558.8 | 6684.4 |
| 60°   | 3196.8 | 3254.5 | 3682.5 | 5174.0 | 6000.0 | 6717.3 | 6994.8 | 6940.0 | 7200.0 | 7349.8 |
| 62.5° | 2811.2 | 2866.0 | 3255.3 | 4320.2 | 5579.3 | 6519.3 | 7205.1 | 7430.8 | 7857.4 | 8021.0 |
| 65°   | 2428.5 | 2475.2 | 2848.5 | 3630.0 | 5044.7 | 6321.4 | 7314.0 | 7855.2 | 8465.8 | 8635.2 |
| 67.5° | 2002.0 | 2040.7 | 2393.4 | 3062.5 | 4394.7 | 6050.4 | 7368.0 | 8189.0 | 8995.3 | 9140.6 |
| 70°   | 1444.7 | 1474.6 | 1839.1 | 2421.9 | 3578.8 | 5584.4 | 7346.1 | 8425.6 | 9269.9 | 9386.0 |
| 72.5° | 682.9  | 709.9  | 1137.9 | 1572.5 | 2527.8 | 4677.3 | 6902.8 | 8237.9 | 8990.9 | 8933.2 |
| 75°   | 364.5  | 387.8  | 653.7  | 862.6  | 1335.1 | 3206.3 | 5648.7 | 7096.3 | 7549.9 | 7269.4 |
| 77.5° | 246.9  | 265.1  | 404.6  | 517.8  | 609.9  | 1522.1 | 3630.7 | 4913.2 | 4727.0 | 4263.9 |
| 80°   | 195.7  | 214.7  | 331.6  | 350.6  | 295.1  | 550.0  | 1500.2 | 2274.4 | 1633.8 | 1306.6 |
| 82.5° | 150.5  | 171.6  | 279.0  | 254.2  | 160.7  | 225.7  | 436.8  | 719.4  | 418.5  | 318.4  |
| 85°   | 92.0   | 114.7  | 219.1  | 162.1  | 90.6   | 103.0  | 148.3  | 200.1  | 127.8  | 106.6  |
| 87.5° | 46.7   | 65.7   | 111.0  | 59.2   | 40.9   | 24.1   | 39.4   | 39.4   | 33.6   | 29.2   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1989.5 | 0°    | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 | 1989.5 |
| 1979.3 | 2.5°  | 1996.8 | 2011.5 | 2036.3 | 2059.7 | 2077.9 | 2095.4 | 2113.0 | 2122.5 | 2125.4 | 2137.1 |
| 1990.3 | 5°    | 2020.2 | 2047.2 | 2095.4 | 2140.7 | 2169.2 | 2186.7 | 2199.2 | 2206.5 | 2207.9 | 2211.6 |
| 2020.2 | 7.5°  | 2063.3 | 2106.4 | 2173.6 | 2218.9 | 2240.1 | 2238.6 | 2233.5 | 2215.2 | 2207.9 | 2201.3 |
| 2064.0 | 10°   | 2123.9 | 2180.9 | 2263.4 | 2294.8 | 2281.7 | 2246.6 | 2201.3 | 2148.0 | 2123.2 | 2099.1 |
| 2123.9 | 12.5° | 2199.2 | 2271.5 | 2352.5 | 2351.1 | 2286.1 | 2196.2 | 2091.1 | 2009.3 | 1957.4 | 1920.2 |
| 2197.7 | 15°   | 2290.5 | 2373.7 | 2435.8 | 2386.1 | 2243.7 | 2082.3 | 1928.2 | 1821.6 | 1774.8 | 1733.9 |
| 2272.2 | 17.5° | 2384.7 | 2473.8 | 2502.3 | 2375.2 | 2137.1 | 1913.6 | 1739.0 | 1655.0 | 1609.0 | 1587.1 |
| 2352.5 | 20°   | 2476.7 | 2565.1 | 2541.7 | 2312.4 | 1974.9 | 1722.2 | 1566.7 | 1520.6 | 1511.1 | 1516.3 |
| 2430.7 | 22.5° | 2573.8 | 2652.7 | 2549.7 | 2191.1 | 1768.2 | 1526.5 | 1441.0 | 1442.5 | 1463.7 | 1479.0 |
| 2512.5 | 25°   | 2673.2 | 2726.5 | 2528.6 | 2015.8 | 1546.2 | 1382.6 | 1361.4 | 1384.8 | 1426.4 | 1456.4 |
| 2604.5 | 27.5° | 2768.8 | 2792.2 | 2482.5 | 1798.9 | 1355.6 | 1279.6 | 1283.3 | 1331.5 | 1394.3 | 1435.9 |
| 2716.3 | 30°   | 2876.9 | 2850.7 | 2394.2 | 1555.0 | 1223.4 | 1191.2 | 1221.9 | 1278.2 | 1341.0 | 1378.2 |
| 2857.2 | 32.5° | 2998.9 | 2901.0 | 2253.9 | 1329.3 | 1129.9 | 1120.4 | 1170.8 | 1207.3 | 1235.1 | 1246.0 |
| 3044.2 | 35°   | 3150.8 | 2971.9 | 2074.3 | 1170.8 | 1045.9 | 1068.5 | 1116.7 | 1098.5 | 1087.5 | 1081.7 |
| 3295.4 | 37.5° | 3348.0 | 3067.6 | 1863.9 | 1067.8 | 978.0  | 1031.3 | 1051.0 | 994.0  | 950.9  | 929.8  |
| 3600.0 | 40°   | 3585.4 | 3207.8 | 1661.6 | 988.2  | 934.9  | 999.2  | 964.8  | 896.2  | 841.4  | 811.4  |
| 3942.6 | 42.5° | 3849.1 | 3354.6 | 1491.4 | 928.3  | 910.8  | 972.9  | 901.3  | 819.5  | 731.1  | 721.6  |
| 4350.8 | 45°   | 4125.9 | 3505.8 | 1375.3 | 882.3  | 899.1  | 950.2  | 864.8  | 732.6  | 669.8  | 708.5  |
| 4760.6 | 47.5° | 4402.7 | 3644.6 | 1305.2 | 848.0  | 893.2  | 924.7  | 832.6  | 684.4  | 639.8  | 696.0  |
| 5199.5 | 50°   | 4710.9 | 3768.7 | 1273.8 | 823.1  | 886.7  | 914.4  | 784.4  | 671.9  | 608.4  | 645.7  |
| 5653.8 | 52.5° | 5016.9 | 3865.1 | 1250.4 | 798.3  | 877.2  | 906.4  | 761.1  | 657.3  | 570.4  | 572.6  |
| 6111.0 | 55°   | 5322.2 | 3928.0 | 1224.8 | 765.4  | 856.0  | 888.9  | 758.9  | 641.3  | 541.9  | 531.7  |
| 6594.5 | 57.5° | 5648.0 | 3963.7 | 1193.4 | 728.9  | 819.5  | 844.3  | 756.7  | 628.9  | 533.2  | 516.4  |
| 7089.0 | 60°   | 5979.6 | 4016.3 | 1152.5 | 684.4  | 770.5  | 791.0  | 751.6  | 624.5  | 528.1  | 499.6  |
| 7555.0 | 62.5° | 6276.8 | 4034.6 | 1103.6 | 642.0  | 707.7  | 738.4  | 740.6  | 620.8  | 514.2  | 465.2  |
| 7942.1 | 65°   | 6471.8 | 3955.7 | 1018.1 | 593.8  | 639.8  | 684.4  | 719.4  | 608.4  | 489.4  | 440.4  |
| 8133.4 | 67.5° | 6463.8 | 3730.8 | 884.5  | 531.7  | 574.1  | 624.5  | 688.7  | 587.2  | 459.4  | 409.7  |
| 7988.8 | 70°   | 6162.9 | 3286.7 | 715.0  | 459.4  | 501.8  | 560.2  | 649.3  | 555.8  | 423.6  | 376.1  |
| 7103.6 | 72.5° | 5285.7 | 2572.4 | 519.3  | 374.7  | 417.8  | 493.7  | 598.2  | 517.8  | 387.1  | 346.2  |
| 5249.9 | 75°   | 3776.0 | 1628.0 | 352.0  | 287.8  | 325.0  | 418.5  | 534.6  | 473.3  | 353.5  | 347.7  |
| 2629.3 | 77.5° | 1928.9 | 777.8  | 233.0  | 210.3  | 226.4  | 330.1  | 449.2  | 422.9  | 358.6  | 287.0  |
| 747.9  | 80°   | 627.4  | 287.0  | 146.8  | 143.2  | 150.5  | 219.8  | 347.7  | 346.9  | 271.7  | 195.0  |
| 181.1  | 82.5° | 200.1  | 123.4  | 95.7   | 92.0   | 88.4   | 138.0  | 242.5  | 274.6  | 183.3  | 123.4  |
| 65.0   | 85°   | 79.6   | 73.8   | 56.2   | 51.9   | 37.2   | 65.0   | 127.1  | 182.6  | 136.6  | 89.1   |
| 16.8   | 87.5° | 29.2   | 29.2   | 15.3   | 11.0   | 8.0    | 21.9   | 34.3   | 54.8   | 78.2   | 46.0   |
| 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°   |
|--------|
| 1989.5 |
| 2143.6 |
| 2217.4 |
| 2202.8 |
| 2091.8 |
| 1911.4 |
| 1729.5 |
| 1593.7 |
| 1514.1 |
| 1482.7 |
| 1464.4 |
| 1446.1 |
| 1387.0 |
| 1251.9 |
| 1087.5 |
| 934.9  |
| 813.6  |
| 731.1  |
| 728.9  |
| 722.3  |
| 673.4  |
| 588.0  |
| 539.0  |
| 518.6  |
| 501.8  |
| 465.2  |
| 440.4  |
| 411.9  |
| 380.5  |
| 344.0  |
| 327.9  |
| 255.6  |
| 172.4  |
| 122.7  |
| 91.3   |
| 45.3   |
| 0.0    |

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