

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: P846745

Luminaire Tested: **GLAN-SB2C-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846745  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10732 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

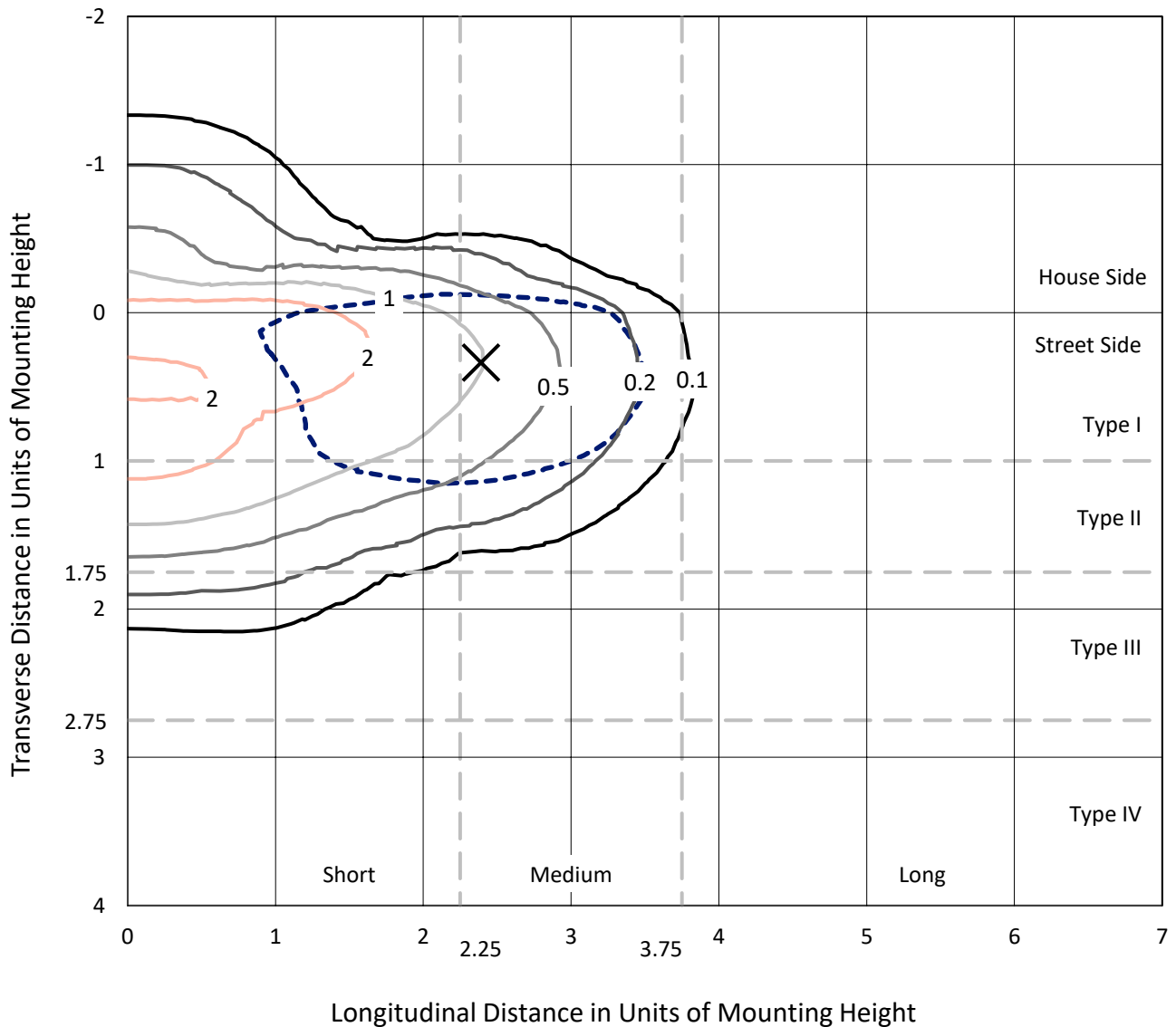
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

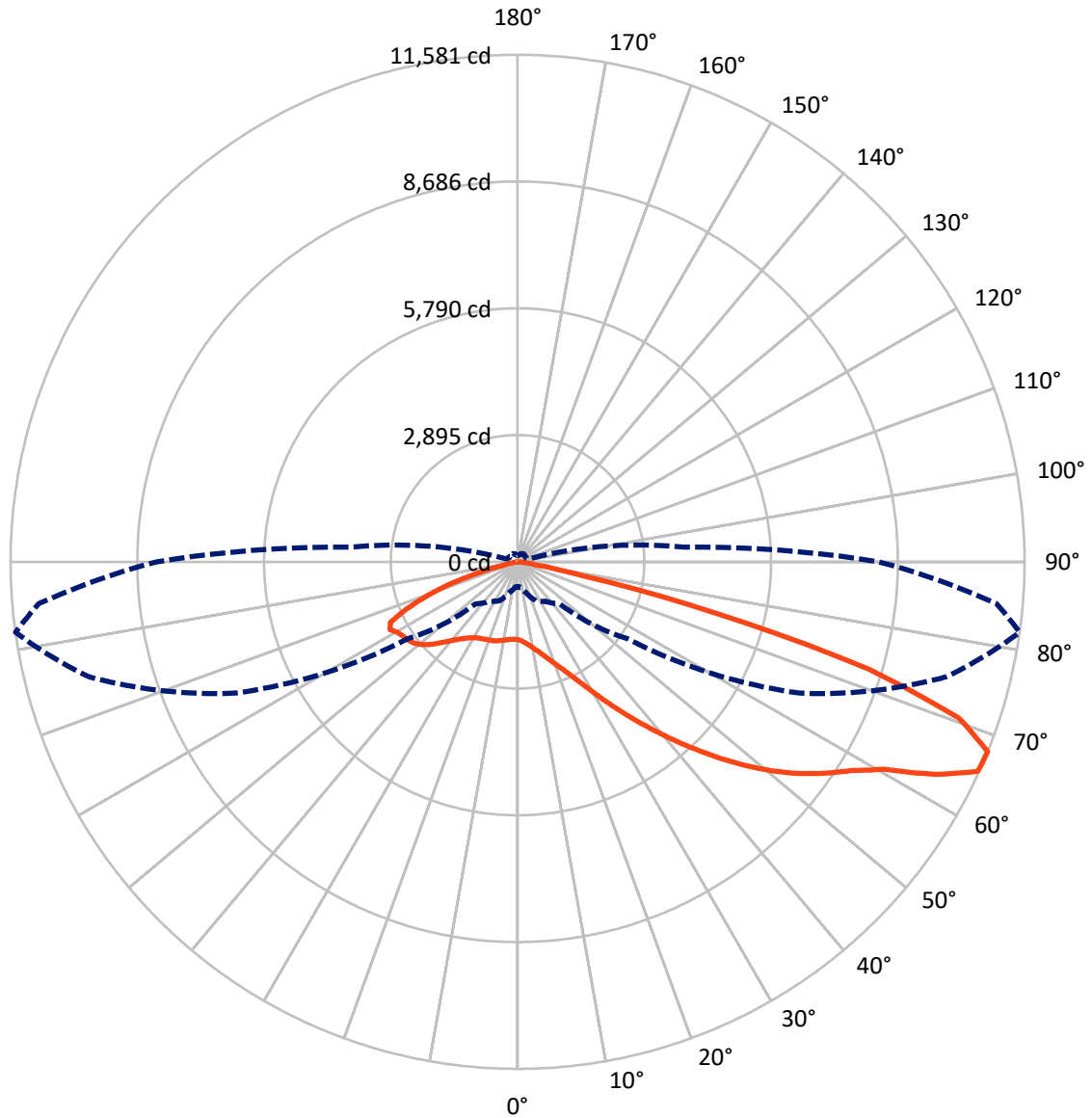
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1944.0   | 0.0    | 1944.0  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 8788.0   | 0.0    | 8788.0  |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 10732.0  | 0.0    | 10732.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 158.4   | 1.5       |
| 10°-20°   | 411.6   | 3.8       |
| 20°-30°   | 659.3   | 6.1       |
| 30°-40°   | 1165.8  | 10.9      |
| 40°-50°   | 2042.6  | 19.0      |
| 50°-60°   | 2724.3  | 25.4      |
| 60°-70°   | 2536.2  | 23.6      |
| 70°-80°   | 973.4   | 9.1       |
| 80°-90°   | 60.5    | 0.6       |
| 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°    | 10732.0 | 100.0     |
| 0°-180°   | 10732.0 | 100.0     |

**Coefficient of Utilization**

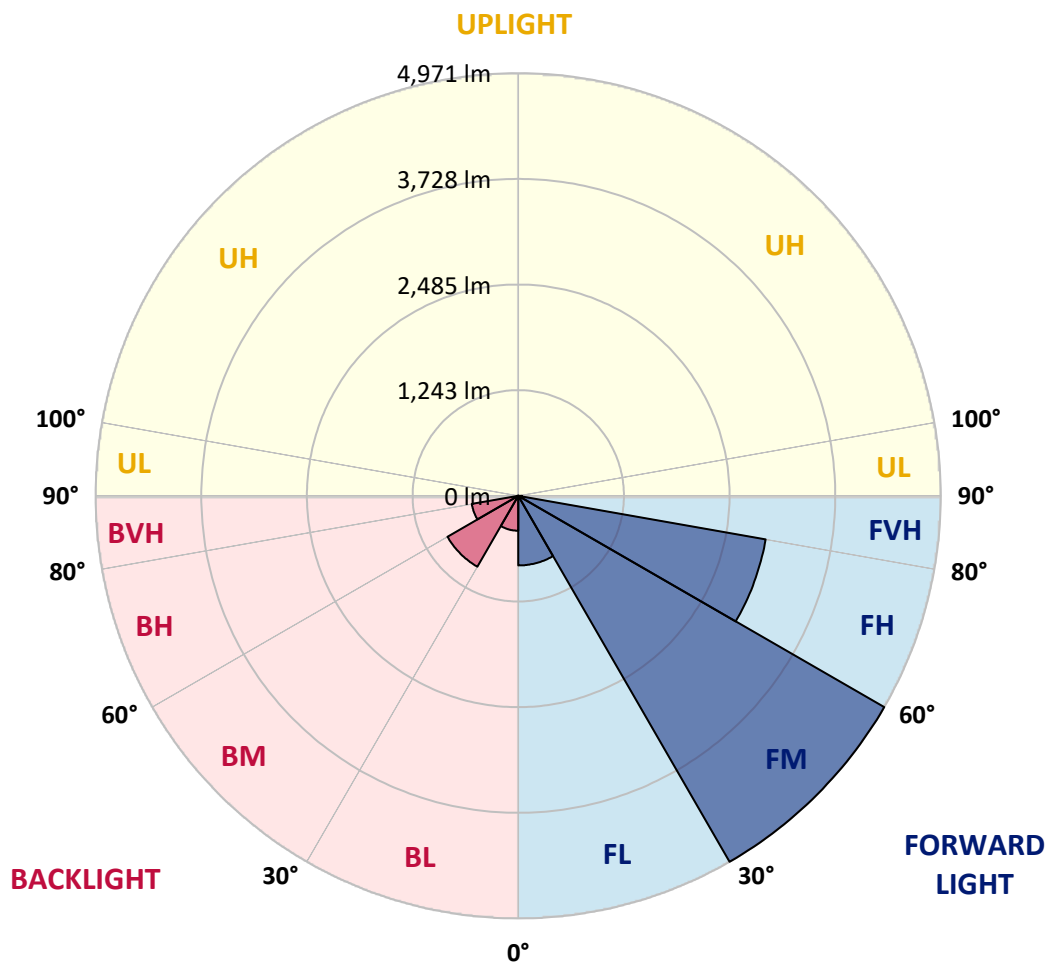


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 818.7  | 7.6       |                         |      |         |
| FM (30°-60°)   | 4970.6 | 46.3      |                         |      |         |
| FH (60°-80°)   | 2954.7 | 27.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 44.0   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 410.6  | 3.8       | B1/500                  |      |         |
| BM (30°-60°)   | 962.1  | 9.0       | B1/1000                 |      |         |
| BH (60°-80°)   | 554.9  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 16.5   | 0.2       |                         |      | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9  | 1777.9  |
| 2.5°  | 1879.1 | 1890.0 | 1883.8 | 1880.7 | 1875.3 | 1867.6 | 1861.4 | 1842.1 | 1822.0  | 1808.8  |
| 5°    | 1917.0 | 1927.8 | 1927.1 | 1930.1 | 1934.0 | 1936.3 | 1934.8 | 1913.1 | 1884.6  | 1862.2  |
| 7.5°  | 1884.6 | 1896.9 | 1907.0 | 1922.4 | 1949.5 | 1978.1 | 1992.0 | 1987.3 | 1958.0  | 1927.1  |
| 10°   | 1792.6 | 1805.7 | 1829.7 | 1866.0 | 1923.2 | 1985.0 | 2036.8 | 2060.7 | 2042.2  | 2008.2  |
| 12.5° | 1624.2 | 1637.3 | 1684.4 | 1763.2 | 1859.1 | 1966.5 | 2065.4 | 2129.5 | 2134.1  | 2100.1  |
| 15°   | 1434.9 | 1448.0 | 1498.2 | 1597.1 | 1743.2 | 1915.5 | 2080.8 | 2202.1 | 2243.1  | 2213.7  |
| 17.5° | 1317.4 | 1329.0 | 1366.9 | 1446.5 | 1598.7 | 1813.5 | 2075.4 | 2279.4 | 2372.9  | 2349.7  |
| 20°   | 1281.9 | 1291.9 | 1309.7 | 1365.3 | 1492.0 | 1707.6 | 2039.9 | 2352.0 | 2512.7  | 2499.6  |
| 22.5° | 1319.7 | 1329.0 | 1334.4 | 1359.1 | 1438.7 | 1638.1 | 1995.1 | 2426.2 | 2675.0  | 2676.6  |
| 25°   | 1407.0 | 1416.3 | 1410.1 | 1425.6 | 1460.4 | 1616.4 | 1978.1 | 2513.5 | 2879.0  | 2896.0  |
| 27.5° | 1550.8 | 1551.5 | 1536.9 | 1536.1 | 1541.5 | 1648.9 | 1995.8 | 2607.0 | 3136.3  | 3168.0  |
| 30°   | 1839.0 | 1827.4 | 1771.0 | 1709.9 | 1682.1 | 1746.2 | 2045.3 | 2717.5 | 3440.0  | 3496.4  |
| 32.5° | 2283.3 | 2266.3 | 2162.7 | 2016.7 | 1869.9 | 1903.1 | 2134.1 | 2843.5 | 3770.7  | 3872.7  |
| 35°   | 2765.4 | 2760.8 | 2652.6 | 2435.5 | 2178.9 | 2126.4 | 2278.6 | 3008.8 | 4131.5  | 4293.8  |
| 37.5° | 3213.6 | 3211.2 | 3149.4 | 2893.7 | 2581.5 | 2437.8 | 2510.4 | 3225.2 | 4517.8  | 4752.7  |
| 40°   | 3623.1 | 3630.0 | 3568.2 | 3339.5 | 3025.0 | 2837.3 | 2825.7 | 3492.5 | 4947.4  | 5252.7  |
| 42.5° | 3977.0 | 3984.7 | 3922.1 | 3752.9 | 3463.1 | 3279.2 | 3212.8 | 3820.1 | 5367.0  | 5789.7  |
| 45°   | 4217.3 | 4265.2 | 4255.9 | 4120.7 | 3912.8 | 3722.0 | 3677.9 | 4231.2 | 5845.3  | 6359.1  |
| 47.5° | 4285.3 | 4329.3 | 4398.8 | 4417.4 | 4290.7 | 4102.9 | 4155.5 | 4726.5 | 6329.0  | 6929.4  |
| 50°   | 4117.6 | 4158.5 | 4303.0 | 4495.4 | 4583.5 | 4525.6 | 4619.8 | 5257.3 | 6824.3  | 7498.1  |
| 52.5° | 3786.9 | 3828.6 | 4011.0 | 4315.4 | 4674.7 | 4857.0 | 5085.8 | 5780.4 | 7304.1  | 8036.6  |
| 55°   | 3308.6 | 3352.6 | 3586.8 | 3931.4 | 4500.8 | 4993.8 | 5474.4 | 6302.7 | 7743.8  | 8521.1  |
| 57.5° | 2658.0 | 2690.5 | 2933.9 | 3416.0 | 4063.5 | 4857.8 | 5761.1 | 6873.0 | 8157.9  | 8997.0  |
| 60°   | 1732.3 | 1760.9 | 2043.7 | 2581.5 | 3338.7 | 4403.5 | 5818.3 | 7508.9 | 8708.1  | 9616.0  |
| 62.5° | 1152.1 | 1171.4 | 1339.0 | 1733.9 | 2351.3 | 3531.1 | 5483.7 | 8016.5 | 9514.7  | 10693.1 |
| 65°   | 790.4  | 809.8  | 977.4  | 1252.5 | 1519.1 | 2335.8 | 4521.7 | 7949.3 | 10245.7 | 11548.4 |
| 67.5° | 564.1  | 580.3  | 722.5  | 982.1  | 1099.5 | 1356.8 | 3065.2 | 7090.1 | 10140.6 | 11580.9 |
| 70°   | 404.1  | 413.4  | 530.8  | 764.9  | 873.9  | 815.2  | 1704.5 | 5422.6 | 8878.8  | 10693.8 |
| 72.5° | 282.8  | 285.9  | 368.6  | 582.6  | 703.9  | 595.0  | 811.3  | 3615.4 | 6715.3  | 8393.6  |
| 75°   | 191.6  | 195.5  | 248.0  | 427.3  | 564.8  | 454.3  | 429.6  | 1938.6 | 3942.2  | 4646.1  |
| 77.5° | 117.4  | 119.0  | 159.9  | 292.1  | 422.7  | 346.2  | 276.6  | 821.4  | 1525.3  | 1497.4  |
| 80°   | 66.5   | 66.5   | 102.0  | 181.6  | 288.2  | 223.3  | 193.9  | 349.2  | 482.9   | 424.2   |
| 82.5° | 37.1   | 37.9   | 74.2   | 112.8  | 190.9  | 132.1  | 106.6  | 161.5  | 208.6   | 184.7   |
| 85°   | 15.5   | 17.0   | 45.6   | 53.3   | 91.2   | 65.7   | 43.3   | 68.0   | 77.3    | 68.8    |
| 87.5° | 1.5    | 2.3    | 13.9   | 10.0   | 10.8   | 13.1   | 6.2    | 13.1   | 10.8    | 10.8    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1777.9  | 0°    | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 | 1777.9 |
| 1804.2  | 2.5°  | 1789.5 | 1777.9 | 1748.6 | 1714.6 | 1669.8 | 1648.1 | 1618.8 | 1598.7 | 1581.7 | 1583.2 |
| 1849.0  | 5°    | 1824.3 | 1794.9 | 1729.3 | 1647.3 | 1545.4 | 1472.7 | 1395.5 | 1342.1 | 1298.9 | 1289.6 |
| 1910.8  | 7.5°  | 1872.2 | 1825.8 | 1710.7 | 1563.1 | 1390.8 | 1260.2 | 1143.6 | 1068.6 | 1015.3 | 998.3  |
| 1985.8  | 10°   | 1934.0 | 1866.8 | 1686.8 | 1457.3 | 1209.2 | 1043.1 | 917.9  | 859.2  | 822.9  | 810.5  |
| 2073.9  | 12.5° | 2005.9 | 1913.9 | 1655.1 | 1328.2 | 1022.3 | 862.3  | 782.7  | 753.4  | 741.8  | 737.9  |
| 2182.0  | 15°   | 2096.3 | 1972.6 | 1607.2 | 1175.2 | 863.9  | 751.8  | 717.8  | 714.0  | 715.5  | 714.0  |
| 2311.8  | 17.5° | 2203.7 | 2036.8 | 1529.1 | 1017.6 | 757.2  | 695.4  | 683.0  | 686.1  | 690.0  | 689.2  |
| 2457.1  | 20°   | 2321.1 | 2100.1 | 1429.5 | 877.8  | 684.6  | 655.2  | 648.3  | 651.4  | 654.5  | 652.9  |
| 2624.8  | 22.5° | 2454.8 | 2168.1 | 1319.0 | 768.8  | 635.9  | 618.1  | 610.4  | 611.2  | 611.2  | 608.1  |
| 2837.3  | 25°   | 2614.7 | 2243.1 | 1203.1 | 691.5  | 598.8  | 584.9  | 575.6  | 572.6  | 567.9  | 558.6  |
| 3095.3  | 27.5° | 2805.6 | 2322.7 | 1091.8 | 637.5  | 569.5  | 556.3  | 545.5  | 537.8  | 526.2  | 510.7  |
| 3405.2  | 30°   | 3020.4 | 2419.3 | 997.5  | 603.5  | 546.3  | 533.1  | 520.8  | 509.2  | 492.2  | 472.9  |
| 3761.4  | 32.5° | 3273.1 | 2522.8 | 928.8  | 581.1  | 525.4  | 511.5  | 496.8  | 482.9  | 464.4  | 445.1  |
| 4161.6  | 35°   | 3574.4 | 2648.0 | 888.6  | 565.6  | 509.2  | 490.6  | 474.4  | 459.0  | 445.1  | 428.1  |
| 4596.7  | 37.5° | 3901.2 | 2780.9 | 876.2  | 557.9  | 498.4  | 469.8  | 451.2  | 440.4  | 438.9  | 428.8  |
| 5067.2  | 40°   | 4259.0 | 2938.5 | 885.5  | 553.2  | 486.8  | 449.7  | 429.6  | 427.3  | 431.2  | 413.4  |
| 5570.2  | 42.5° | 4637.6 | 3125.5 | 900.9  | 547.8  | 470.6  | 429.6  | 410.3  | 410.3  | 407.2  | 382.5  |
| 6101.8  | 45°   | 5047.1 | 3341.1 | 916.4  | 534.7  | 451.2  | 409.5  | 394.8  | 389.4  | 376.3  | 352.3  |
| 6636.5  | 47.5° | 5459.7 | 3560.5 | 928.0  | 510.7  | 428.1  | 392.5  | 379.4  | 367.0  | 347.7  | 326.1  |
| 7161.2  | 50°   | 5851.5 | 3757.5 | 915.6  | 475.2  | 401.8  | 376.3  | 362.4  | 345.4  | 324.5  | 309.8  |
| 7658.0  | 52.5° | 6201.5 | 3928.3 | 863.1  | 433.5  | 374.0  | 359.3  | 346.9  | 329.2  | 312.2  | 296.7  |
| 8106.2  | 55°   | 6505.9 | 4066.6 | 770.4  | 394.1  | 349.2  | 344.6  | 332.3  | 309.8  | 286.7  | 273.5  |
| 8550.4  | 57.5° | 6798.0 | 4171.7 | 654.5  | 361.6  | 326.8  | 328.4  | 309.8  | 289.8  | 268.1  | 254.2  |
| 9149.3  | 60°   | 7186.7 | 4312.3 | 537.0  | 331.5  | 302.9  | 307.5  | 287.4  | 272.8  | 245.7  | 227.9  |
| 10176.2 | 62.5° | 7807.9 | 4531.0 | 426.5  | 294.4  | 275.1  | 276.6  | 268.1  | 250.3  | 217.9  | 197.0  |
| 10937.2 | 65°   | 8300.9 | 4450.6 | 336.1  | 254.2  | 243.4  | 245.7  | 245.7  | 226.4  | 191.6  | 167.7  |
| 10978.2 | 67.5° | 8245.2 | 3810.8 | 268.1  | 214.8  | 213.3  | 214.8  | 220.2  | 204.0  | 170.0  | 150.7  |
| 10142.2 | 70°   | 7595.4 | 3031.2 | 214.8  | 178.5  | 185.4  | 181.6  | 197.0  | 186.2  | 153.0  | 133.7  |
| 7862.8  | 72.5° | 6197.6 | 2183.6 | 163.8  | 147.6  | 142.2  | 148.4  | 177.7  | 167.7  | 127.5  | 105.9  |
| 4164.7  | 75°   | 3621.5 | 1165.2 | 122.1  | 116.7  | 102.8  | 123.6  | 157.6  | 142.9  | 97.4   | 78.0   |
| 1276.5  | 77.5° | 1179.1 | 406.4  | 89.6   | 85.8   | 76.5   | 99.7   | 134.4  | 120.5  | 79.6   | 61.8   |
| 374.0   | 80°   | 316.0  | 122.9  | 61.0   | 56.4   | 49.5   | 74.2   | 106.6  | 95.8   | 57.2   | 40.2   |
| 160.7   | 82.5° | 126.7  | 51.8   | 35.5   | 31.7   | 27.0   | 51.0   | 84.2   | 77.3   | 42.5   | 25.5   |
| 50.2    | 85°   | 41.0   | 17.0   | 13.1   | 10.0   | 12.4   | 31.7   | 50.2   | 52.5   | 30.1   | 13.1   |
| 7.7     | 87.5° | 5.4    | 2.3    | 2.3    | 3.1    | 2.3    | 5.4    | 15.5   | 14.7   | 8.5    | 1.5    |
| 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°   |
|--------|
| 1777.9 |
| 1567.8 |
| 1268.7 |
| 981.3  |
| 801.3  |
| 735.6  |
| 713.2  |
| 687.7  |
| 652.1  |
| 606.6  |
| 557.1  |
| 509.2  |
| 471.3  |
| 445.8  |
| 426.5  |
| 428.1  |
| 414.2  |
| 382.5  |
| 351.6  |
| 325.3  |
| 307.5  |
| 295.2  |
| 272.0  |
| 252.7  |
| 225.6  |
| 195.5  |
| 165.4  |
| 147.6  |
| 131.4  |
| 103.5  |
| 75.7   |
| 59.5   |
| 39.4   |
| 25.5   |
| 10.0   |
| 0.0    |
| 0.0    |

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