

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: P847075

Luminaire Tested: **GLAN-SB3A-730-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847075  
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-SB3A-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 350mA 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: 9494 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

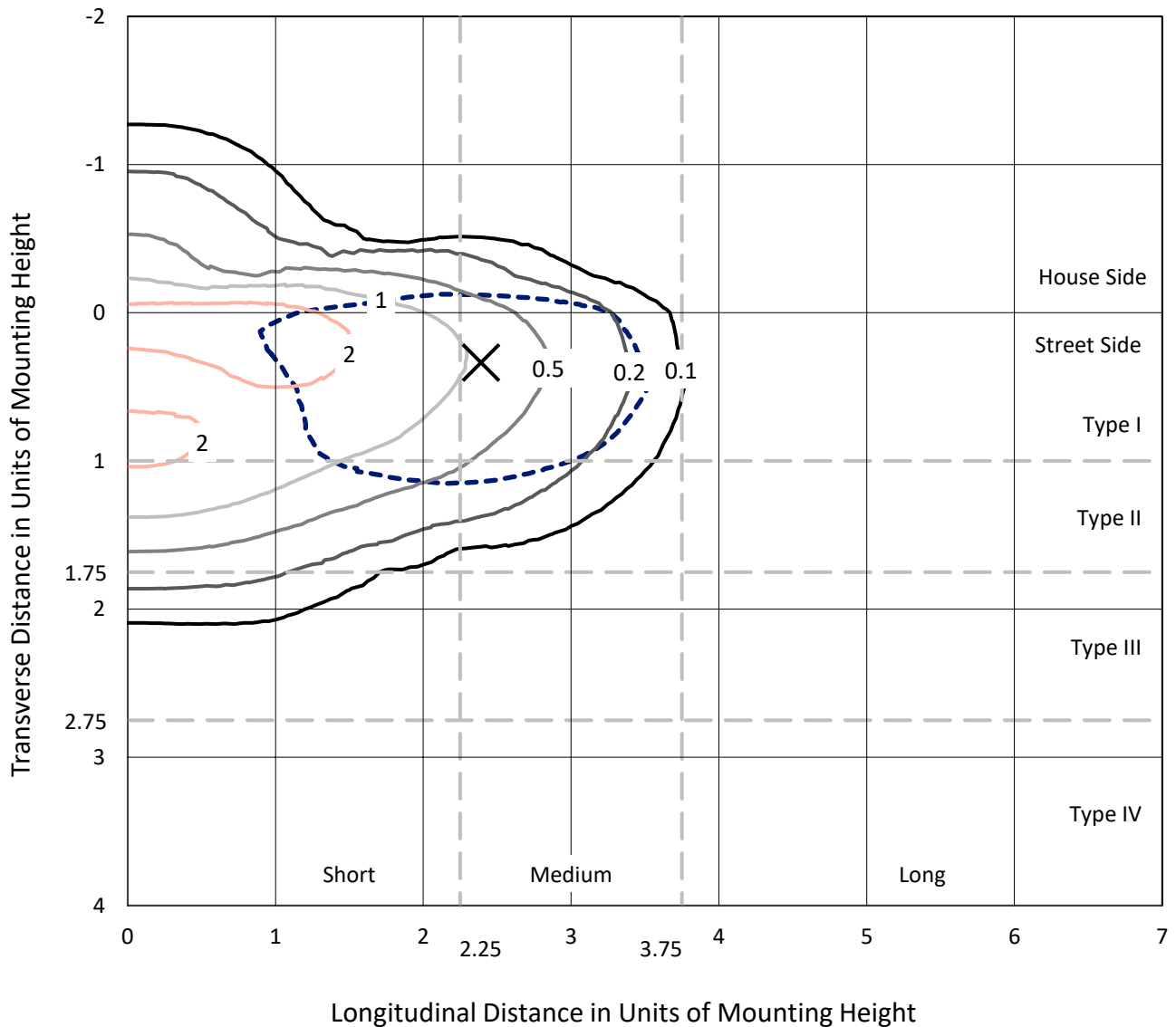
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

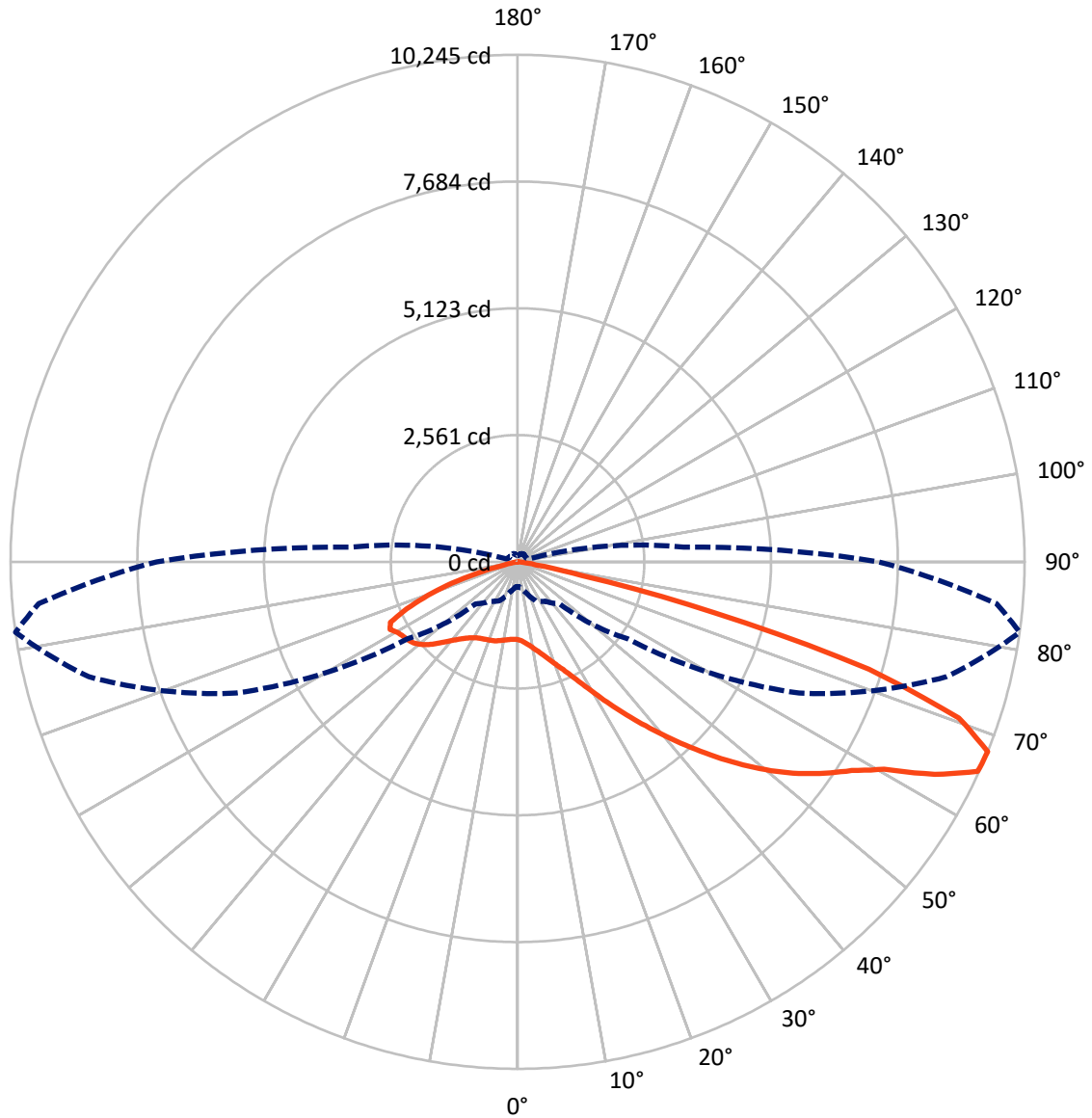
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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    | 1719.8   | 0.0    | 1719.8 |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 7774.2   | 0.0    | 7774.2 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 9494.0   | 0.0    | 9494.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 140.1  | 1.5       |
| 10°-20°   | 364.1  | 3.8       |
| 20°-30°   | 583.2  | 6.1       |
| 30°-40°   | 1031.3 | 10.9      |
| 40°-50°   | 1807.0 | 19.0      |
| 50°-60°   | 2410.0 | 25.4      |
| 60°-70°   | 2243.6 | 23.6      |
| 70°-80°   | 861.1  | 9.1       |
| 80°-90°   | 53.5   | 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°    | 9494.0 | 100.0     |
| 0°-180°   | 9494.0 | 100.0     |

**Coefficient of Utilization**

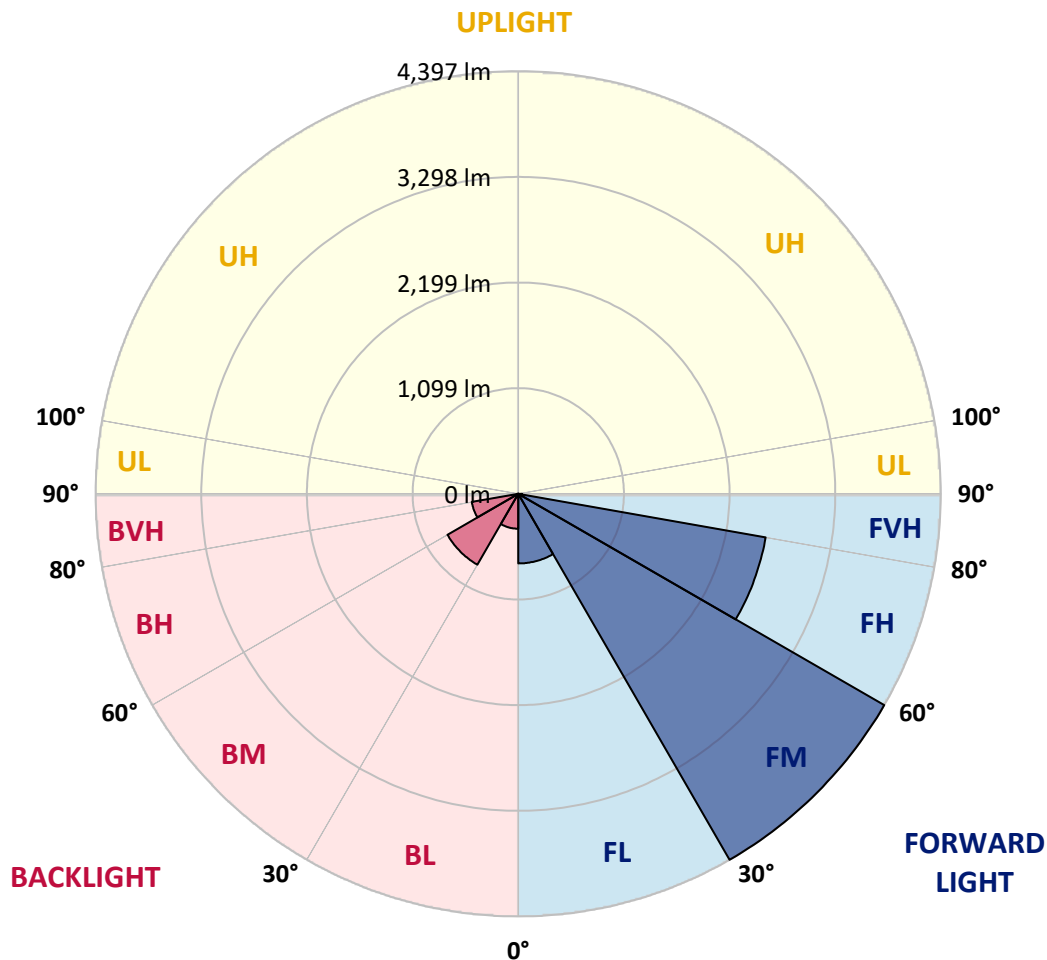


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 724.3  | 7.6       |                         |      |         |
| FM (30°-60°)   | 4397.2 | 46.3      |                         |      |         |
| FH (60°-80°)   | 2613.8 | 27.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 38.9   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 363.2  | 3.8       | B1/500                  |      |         |
| BM (30°-60°)   | 851.1  | 9.0       | B1/1000                 |      |         |
| BH (60°-80°)   | 490.8  | 5.2       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 14.6   | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0°    | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8  |
| 2.5°  | 1662.4 | 1671.9 | 1666.5 | 1663.7 | 1659.0 | 1652.1 | 1646.7 | 1629.6 | 1611.8 | 1600.2  |
| 5°    | 1695.9 | 1705.4 | 1704.8 | 1707.5 | 1710.9 | 1713.0 | 1711.6 | 1692.5 | 1667.2 | 1647.3  |
| 7.5°  | 1667.2 | 1678.1 | 1687.0 | 1700.7 | 1724.6 | 1749.9 | 1762.2 | 1758.1 | 1732.1 | 1704.8  |
| 10°   | 1585.8 | 1597.4 | 1618.6 | 1650.8 | 1701.3 | 1756.0 | 1801.8 | 1823.0 | 1806.6 | 1776.5  |
| 12.5° | 1436.8 | 1448.4 | 1490.1 | 1559.8 | 1644.6 | 1739.6 | 1827.1 | 1883.8 | 1887.9 | 1857.9  |
| 15°   | 1269.3 | 1281.0 | 1325.4 | 1412.9 | 1542.1 | 1694.5 | 1840.8 | 1948.1 | 1984.3 | 1958.4  |
| 17.5° | 1165.4 | 1175.7 | 1209.2 | 1279.6 | 1414.3 | 1604.3 | 1836.0 | 2016.5 | 2099.2 | 2078.7  |
| 20°   | 1134.0 | 1142.9 | 1158.6 | 1207.8 | 1319.9 | 1510.6 | 1804.6 | 2080.7 | 2222.9 | 2211.3  |
| 22.5° | 1167.5 | 1175.7 | 1180.5 | 1202.4 | 1272.8 | 1449.1 | 1764.9 | 2146.3 | 2366.4 | 2367.8  |
| 25°   | 1244.7 | 1252.9 | 1247.5 | 1261.1 | 1291.9 | 1430.0 | 1749.9 | 2223.6 | 2546.9 | 2561.9  |
| 27.5° | 1371.9 | 1372.6 | 1359.6 | 1358.9 | 1363.7 | 1458.7 | 1765.6 | 2306.3 | 2774.5 | 2802.5  |
| 30°   | 1626.8 | 1616.6 | 1566.7 | 1512.7 | 1488.1 | 1544.8 | 1809.3 | 2404.0 | 3043.1 | 3093.0  |
| 32.5° | 2019.9 | 2004.8 | 1913.2 | 1784.0 | 1654.2 | 1683.6 | 1887.9 | 2515.4 | 3335.7 | 3425.9  |
| 35°   | 2446.4 | 2442.3 | 2346.6 | 2154.5 | 1927.6 | 1881.1 | 2015.8 | 2661.7 | 3654.9 | 3798.5  |
| 37.5° | 2842.9 | 2840.8 | 2786.1 | 2559.9 | 2283.7 | 2156.6 | 2220.8 | 2853.1 | 3996.7 | 4204.5  |
| 40°   | 3205.1 | 3211.3 | 3156.6 | 2954.3 | 2676.1 | 2510.0 | 2499.7 | 3089.6 | 4376.7 | 4646.7  |
| 42.5° | 3518.2 | 3525.0 | 3469.7 | 3320.0 | 3063.6 | 2901.0 | 2842.2 | 3379.4 | 4747.9 | 5121.8  |
| 45°   | 3730.8 | 3773.2 | 3765.0 | 3645.3 | 3461.5 | 3292.6 | 3253.7 | 3743.1 | 5171.0 | 5625.6  |
| 47.5° | 3790.9 | 3829.9 | 3891.4 | 3907.8 | 3795.7 | 3629.6 | 3676.1 | 4181.2 | 5598.9 | 6130.0  |
| 50°   | 3642.6 | 3678.8 | 3806.7 | 3976.9 | 4054.8 | 4003.5 | 4086.9 | 4650.8 | 6037.1 | 6633.1  |
| 52.5° | 3350.0 | 3387.0 | 3548.3 | 3817.6 | 4135.4 | 4296.8 | 4499.1 | 5113.6 | 6461.5 | 7109.5  |
| 55°   | 2926.9 | 2965.9 | 3173.0 | 3477.9 | 3981.6 | 4417.7 | 4842.9 | 5575.7 | 6850.5 | 7538.1  |
| 57.5° | 2351.4 | 2380.1 | 2595.4 | 3021.9 | 3594.8 | 4297.4 | 5096.5 | 6080.1 | 7216.9 | 7959.2  |
| 60°   | 1532.5 | 1557.8 | 1808.0 | 2283.7 | 2953.6 | 3895.5 | 5147.1 | 6642.7 | 7703.5 | 8506.7  |
| 62.5° | 1019.2 | 1036.3 | 1184.6 | 1533.9 | 2080.0 | 3123.8 | 4851.1 | 7091.8 | 8417.2 | 9459.6  |
| 65°   | 699.3  | 716.4  | 864.7  | 1108.0 | 1343.8 | 2066.4 | 4000.1 | 7032.3 | 9063.8 | 10216.2 |
| 67.5° | 499.0  | 513.3  | 639.1  | 868.8  | 972.7  | 1200.3 | 2711.6 | 6272.2 | 8970.8 | 10245.0 |
| 70°   | 357.5  | 365.7  | 469.6  | 676.7  | 773.1  | 721.1  | 1507.9 | 4797.1 | 7854.6 | 9460.2  |
| 72.5° | 250.2  | 252.9  | 326.1  | 515.4  | 622.7  | 526.3  | 717.7  | 3198.3 | 5940.7 | 7425.3  |
| 75°   | 169.5  | 172.9  | 219.4  | 378.0  | 499.7  | 401.9  | 380.1  | 1715.0 | 3487.4 | 4110.1  |
| 77.5° | 103.9  | 105.3  | 141.5  | 258.4  | 373.9  | 306.2  | 244.7  | 726.6  | 1349.3 | 1324.7  |
| 80°   | 58.8   | 58.8   | 90.2   | 160.6  | 255.0  | 197.5  | 171.6  | 309.0  | 427.2  | 375.3   |
| 82.5° | 32.8   | 33.5   | 65.6   | 99.8   | 168.8  | 116.9  | 94.3   | 142.9  | 184.6  | 163.4   |
| 85°   | 13.7   | 15.0   | 40.3   | 47.2   | 80.7   | 58.1   | 38.3   | 60.2   | 68.4   | 60.8    |
| 87.5° | 1.4    | 2.1    | 12.3   | 8.9    | 9.6    | 11.6   | 5.5    | 11.6   | 9.6    | 9.6     |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1572.8 | 0°    | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 | 1572.8 |
| 1596.1 | 2.5°  | 1583.1 | 1572.8 | 1546.9 | 1516.8 | 1477.1 | 1458.0 | 1432.0 | 1414.3 | 1399.2 | 1400.6 |
| 1635.7 | 5°    | 1613.8 | 1587.9 | 1529.8 | 1457.3 | 1367.1 | 1302.8 | 1234.5 | 1187.3 | 1149.0 | 1140.8 |
| 1690.4 | 7.5°  | 1656.2 | 1615.2 | 1513.4 | 1382.8 | 1230.4 | 1114.9 | 1011.6 | 945.3  | 898.2  | 883.1  |
| 1756.7 | 10°   | 1710.9 | 1651.4 | 1492.2 | 1289.2 | 1069.7 | 922.8  | 812.1  | 760.1  | 728.0  | 717.0  |
| 1834.6 | 12.5° | 1774.5 | 1693.1 | 1464.2 | 1175.0 | 904.3  | 762.8  | 692.4  | 666.5  | 656.2  | 652.8  |
| 1930.3 | 15°   | 1854.5 | 1745.1 | 1421.8 | 1039.7 | 764.2  | 665.1  | 635.0  | 631.6  | 633.0  | 631.6  |
| 2045.2 | 17.5° | 1949.5 | 1801.8 | 1352.7 | 900.2  | 669.9  | 615.2  | 604.3  | 607.0  | 610.4  | 609.7  |
| 2173.7 | 20°   | 2053.4 | 1857.9 | 1264.6 | 776.5  | 605.6  | 579.6  | 573.5  | 576.2  | 579.0  | 577.6  |
| 2322.0 | 22.5° | 2171.6 | 1918.0 | 1166.8 | 680.1  | 562.6  | 546.8  | 540.0  | 540.7  | 540.7  | 537.9  |
| 2510.0 | 25°   | 2313.1 | 1984.3 | 1064.3 | 611.8  | 529.7  | 517.4  | 509.2  | 506.5  | 502.4  | 494.2  |
| 2738.3 | 27.5° | 2481.9 | 2054.7 | 965.8  | 563.9  | 503.8  | 492.2  | 482.6  | 475.7  | 465.5  | 451.8  |
| 3012.4 | 30°   | 2672.0 | 2140.2 | 882.5  | 533.8  | 483.3  | 471.6  | 460.7  | 450.5  | 435.4  | 418.3  |
| 3327.5 | 32.5° | 2895.5 | 2231.8 | 821.6  | 514.0  | 464.8  | 452.5  | 439.5  | 427.2  | 410.8  | 393.7  |
| 3681.6 | 35°   | 3162.1 | 2342.5 | 786.1  | 500.4  | 450.5  | 434.1  | 419.7  | 406.0  | 393.7  | 378.7  |
| 4066.4 | 37.5° | 3451.2 | 2460.1 | 775.1  | 493.5  | 440.9  | 415.6  | 399.2  | 389.6  | 388.3  | 379.4  |
| 4482.7 | 40°   | 3767.7 | 2599.5 | 783.3  | 489.4  | 430.6  | 397.8  | 380.1  | 378.0  | 381.4  | 365.7  |
| 4927.7 | 42.5° | 4102.6 | 2764.9 | 797.0  | 484.6  | 416.3  | 380.1  | 363.0  | 363.0  | 360.2  | 338.4  |
| 5397.9 | 45°   | 4464.9 | 2955.6 | 810.7  | 473.0  | 399.2  | 362.3  | 349.3  | 344.5  | 332.9  | 311.7  |
| 5871.0 | 47.5° | 4829.9 | 3149.8 | 820.9  | 451.8  | 378.7  | 347.2  | 335.6  | 324.7  | 307.6  | 288.5  |
| 6335.1 | 50°   | 5176.5 | 3324.1 | 810.0  | 420.4  | 355.4  | 332.9  | 320.6  | 305.5  | 287.1  | 274.1  |
| 6774.6 | 52.5° | 5486.1 | 3475.1 | 763.5  | 383.5  | 330.8  | 317.8  | 306.9  | 291.2  | 276.2  | 262.5  |
| 7171.1 | 55°   | 5755.4 | 3597.5 | 681.5  | 348.6  | 309.0  | 304.9  | 293.9  | 274.1  | 253.6  | 242.0  |
| 7564.1 | 57.5° | 6013.8 | 3690.5 | 579.0  | 319.9  | 289.1  | 290.5  | 274.1  | 256.3  | 237.2  | 224.9  |
| 8093.8 | 60°   | 6357.6 | 3814.9 | 475.1  | 293.2  | 267.9  | 272.1  | 254.3  | 241.3  | 217.4  | 201.6  |
| 9002.3 | 62.5° | 6907.2 | 4008.3 | 377.3  | 260.4  | 243.3  | 244.7  | 237.2  | 221.5  | 192.8  | 174.3  |
| 9675.6 | 65°   | 7343.3 | 3937.2 | 297.3  | 224.9  | 215.3  | 217.4  | 217.4  | 200.3  | 169.5  | 148.3  |
| 9711.8 | 67.5° | 7294.1 | 3371.2 | 237.2  | 190.0  | 188.7  | 190.0  | 194.8  | 180.5  | 150.4  | 133.3  |
| 8972.2 | 70°   | 6719.2 | 2681.5 | 190.0  | 157.9  | 164.1  | 160.6  | 174.3  | 164.7  | 135.3  | 118.3  |
| 6955.7 | 72.5° | 5482.7 | 1931.7 | 144.9  | 130.6  | 125.8  | 131.2  | 157.2  | 148.3  | 112.8  | 93.6   |
| 3684.3 | 75°   | 3203.8 | 1030.8 | 108.0  | 103.2  | 90.9   | 109.4  | 139.4  | 126.5  | 86.1   | 69.0   |
| 1129.2 | 77.5° | 1043.1 | 359.5  | 79.3   | 75.9   | 67.7   | 88.2   | 118.9  | 106.6  | 70.4   | 54.7   |
| 330.8  | 80°   | 279.6  | 108.7  | 54.0   | 49.9   | 43.7   | 65.6   | 94.3   | 84.8   | 50.6   | 35.5   |
| 142.2  | 82.5° | 112.1  | 45.8   | 31.4   | 28.0   | 23.9   | 45.1   | 74.5   | 68.4   | 37.6   | 22.6   |
| 44.4   | 85°   | 36.2   | 15.0   | 11.6   | 8.9    | 10.9   | 28.0   | 44.4   | 46.5   | 26.7   | 11.6   |
| 6.8    | 87.5° | 4.8    | 2.1    | 2.1    | 2.7    | 2.1    | 4.8    | 13.7   | 13.0   | 7.5    | 1.4    |
| 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°   |
|--------|
| 1572.8 |
| 1386.9 |
| 1122.4 |
| 868.1  |
| 708.8  |
| 650.7  |
| 630.9  |
| 608.4  |
| 576.9  |
| 536.6  |
| 492.8  |
| 450.5  |
| 417.0  |
| 394.4  |
| 377.3  |
| 378.7  |
| 366.4  |
| 338.4  |
| 311.0  |
| 287.8  |
| 272.1  |
| 261.1  |
| 240.6  |
| 223.5  |
| 199.6  |
| 172.9  |
| 146.3  |
| 130.6  |
| 116.2  |
| 91.6   |
| 67.0   |
| 52.6   |
| 34.9   |
| 22.6   |
| 8.9    |
| 0.0    |
| 0.0    |

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