

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: P940174

Luminaire Tested: **GLAN-SB3A-840-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

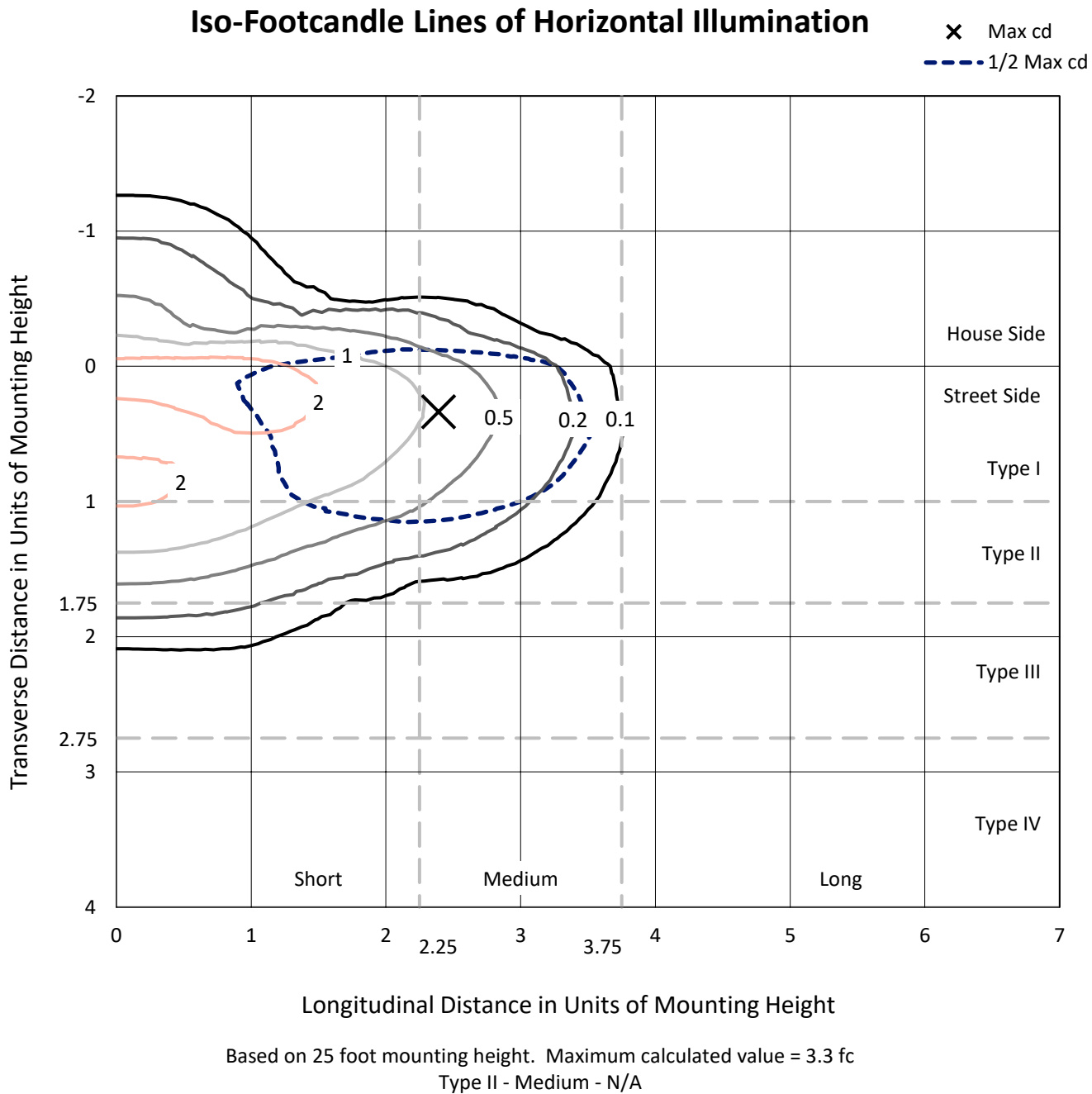
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9401 lumens  
Efficiency: N/A  
Efficacy: 111.0 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

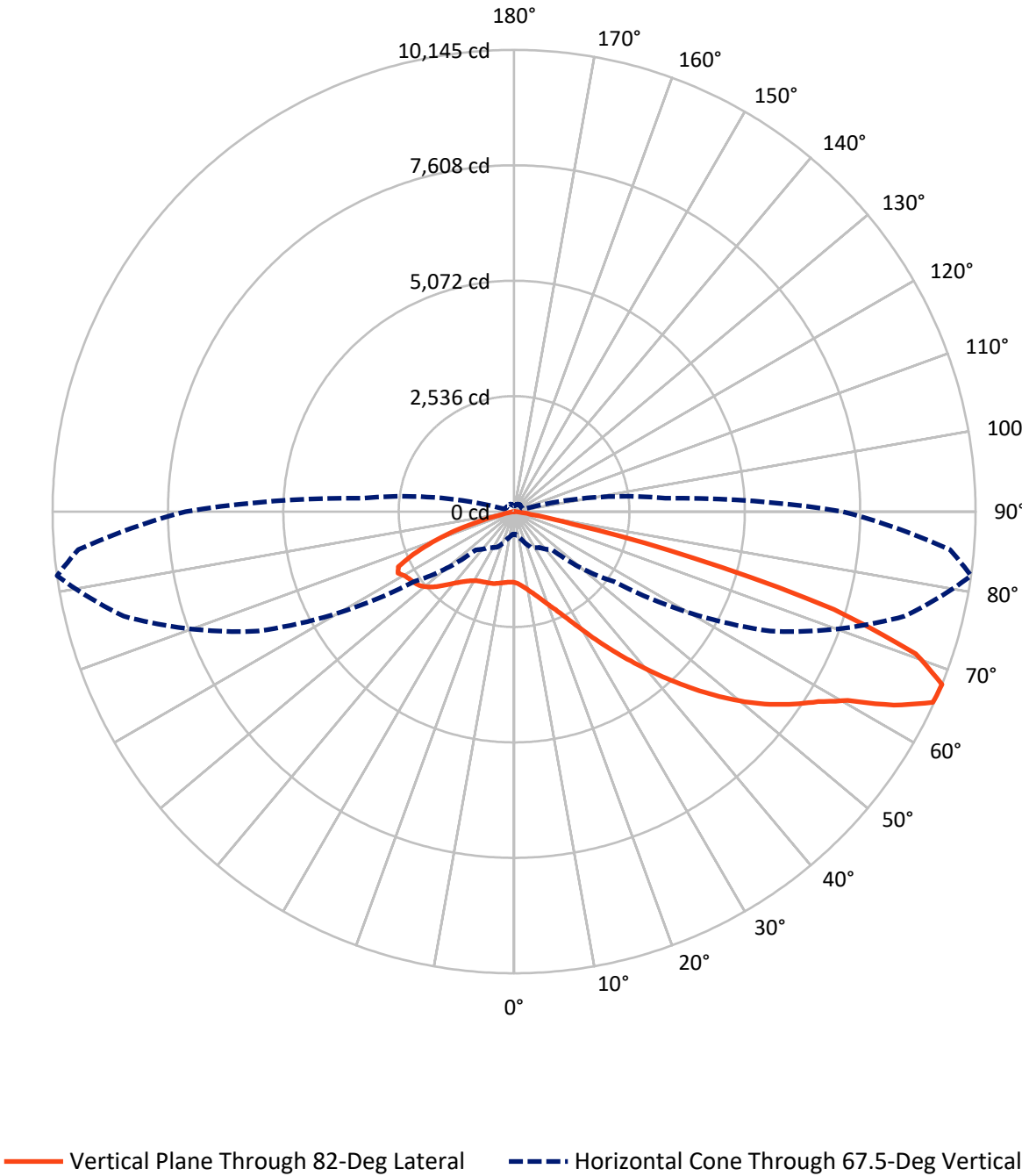


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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1702.9   | 0.0    | 1702.9 |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 7698.1   | 0.0    | 7698.1 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 9401.0   | 0.0    | 9401.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 138.8  | 1.5       |
| 10°-20°   | 360.6  | 3.8       |
| 20°-30°   | 577.5  | 6.1       |
| 30°-40°   | 1021.2 | 10.9      |
| 40°-50°   | 1789.3 | 19.0      |
| 50°-60°   | 2386.4 | 25.4      |
| 60°-70°   | 2221.6 | 23.6      |
| 70°-80°   | 852.7  | 9.1       |
| 80°-90°   | 53.0   | 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°    | 9401.0 | 100.0     |
| 0°-180°   | 9401.0 | 100.0     |

**Coefficient of Utilization**



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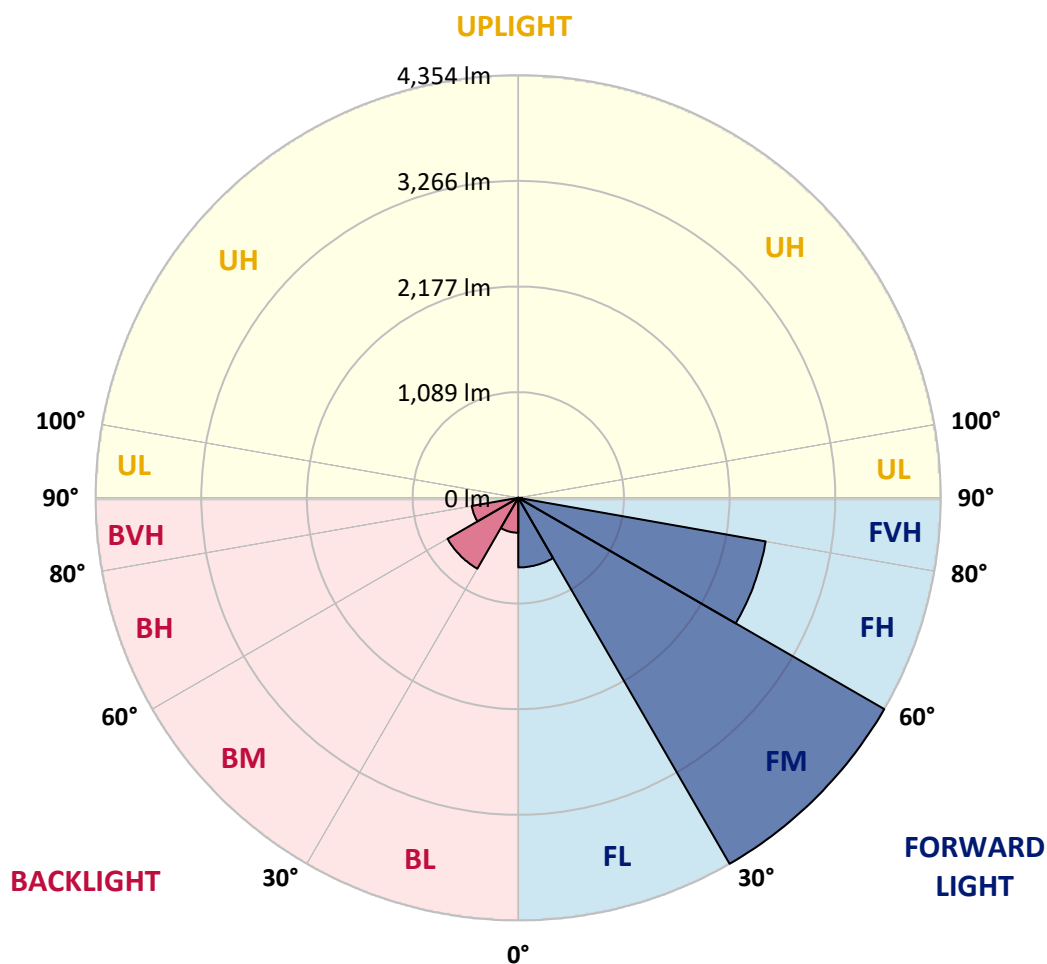
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 717.2  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 4354.2 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 2588.2 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 38.5   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 359.7  | 3.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 842.8  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 486.0  | 5.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 14.5   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0°    | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4  |
| 2.5°  | 1646.1 | 1655.6 | 1650.2 | 1647.4 | 1642.7 | 1635.9 | 1630.5 | 1613.6 | 1596.0 | 1584.5  |
| 5°    | 1679.3 | 1688.7 | 1688.1 | 1690.8 | 1694.2 | 1696.2 | 1694.8 | 1675.9 | 1650.8 | 1631.2  |
| 7.5°  | 1650.8 | 1661.7 | 1670.5 | 1684.0 | 1707.7 | 1732.7 | 1744.9 | 1740.9 | 1715.1 | 1688.1  |
| 10°   | 1570.3 | 1581.8 | 1602.8 | 1634.6 | 1684.7 | 1738.8 | 1784.2 | 1805.2 | 1788.9 | 1759.1  |
| 12.5° | 1422.7 | 1434.2 | 1475.5 | 1544.6 | 1628.5 | 1722.6 | 1809.2 | 1865.4 | 1869.5 | 1839.7  |
| 15°   | 1256.9 | 1268.4 | 1312.4 | 1399.0 | 1527.0 | 1677.9 | 1822.8 | 1929.0 | 1964.9 | 1939.2  |
| 17.5° | 1154.0 | 1164.2 | 1197.3 | 1267.1 | 1400.4 | 1588.6 | 1818.0 | 1996.7 | 2078.6 | 2058.3  |
| 20°   | 1122.9 | 1131.7 | 1147.3 | 1196.0 | 1307.0 | 1495.8 | 1786.9 | 2060.3 | 2201.1 | 2189.6  |
| 22.5° | 1156.1 | 1164.2 | 1168.9 | 1190.6 | 1260.3 | 1434.9 | 1747.6 | 2125.3 | 2343.2 | 2344.6  |
| 25°   | 1232.5 | 1240.7 | 1235.2 | 1248.8 | 1279.2 | 1416.0 | 1732.7 | 2201.8 | 2521.9 | 2536.8  |
| 27.5° | 1358.4 | 1359.1 | 1346.3 | 1345.6 | 1350.3 | 1444.4 | 1748.3 | 2283.7 | 2747.3 | 2775.1  |
| 30°   | 1610.9 | 1600.7 | 1551.3 | 1497.9 | 1473.5 | 1529.7 | 1791.6 | 2380.5 | 3013.3 | 3062.7  |
| 32.5° | 2000.1 | 1985.2 | 1894.5 | 1766.6 | 1638.0 | 1667.1 | 1869.5 | 2490.8 | 3303.0 | 3392.4  |
| 35°   | 2422.4 | 2418.4 | 2323.6 | 2133.4 | 1908.7 | 1862.7 | 1996.0 | 2635.6 | 3619.1 | 3761.2  |
| 37.5° | 2815.0 | 2813.0 | 2758.8 | 2534.8 | 2261.3 | 2135.5 | 2199.1 | 2825.2 | 3957.5 | 4163.3  |
| 40°   | 3173.7 | 3179.8 | 3125.7 | 2925.3 | 2649.9 | 2485.4 | 2475.2 | 3059.4 | 4333.9 | 4601.2  |
| 42.5° | 3483.7 | 3490.5 | 3435.7 | 3287.5 | 3033.6 | 2872.5 | 2814.3 | 3346.3 | 4701.4 | 5071.6  |
| 45°   | 3694.2 | 3736.2 | 3728.1 | 3609.6 | 3427.6 | 3260.4 | 3221.8 | 3706.4 | 5120.4 | 5570.5  |
| 47.5° | 3753.8 | 3792.4 | 3853.3 | 3869.5 | 3758.5 | 3594.1 | 3640.1 | 4140.3 | 5544.1 | 6070.0  |
| 50°   | 3606.9 | 3642.8 | 3769.4 | 3937.9 | 4015.1 | 3964.3 | 4046.9 | 4605.3 | 5977.9 | 6568.1  |
| 52.5° | 3317.2 | 3353.8 | 3513.5 | 3780.2 | 4094.9 | 4254.7 | 4455.0 | 5063.5 | 6398.2 | 7039.9  |
| 55°   | 2898.3 | 2936.8 | 3141.9 | 3443.8 | 3942.6 | 4374.5 | 4795.5 | 5521.1 | 6783.4 | 7464.3  |
| 57.5° | 2328.4 | 2356.8 | 2570.0 | 2992.3 | 3559.5 | 4255.3 | 5046.6 | 6020.6 | 7146.2 | 7881.2  |
| 60°   | 1517.5 | 1542.5 | 1790.3 | 2261.3 | 2924.7 | 3857.4 | 5096.7 | 6577.6 | 7628.1 | 8423.4  |
| 62.5° | 1009.2 | 1026.1 | 1173.0 | 1518.8 | 2059.6 | 3093.2 | 4803.6 | 7022.3 | 8334.7 | 9366.9  |
| 65°   | 692.4  | 709.3  | 856.2  | 1097.2 | 1330.7 | 2046.1 | 3960.9 | 6963.4 | 8975.0 | 10116.2 |
| 67.5° | 494.1  | 508.3  | 632.9  | 860.3  | 963.2  | 1188.5 | 2685.1 | 6210.8 | 8883.0 | 10144.6 |
| 70°   | 354.0  | 362.1  | 465.0  | 670.1  | 765.5  | 714.1  | 1493.1 | 4750.1 | 7777.7 | 9367.6  |
| 72.5° | 247.7  | 250.4  | 322.9  | 510.3  | 616.6  | 521.2  | 710.7  | 3167.0 | 5882.5 | 7352.6  |
| 75°   | 167.9  | 171.2  | 217.3  | 374.3  | 494.8  | 398.0  | 376.3  | 1698.2 | 3453.3 | 4069.9  |
| 77.5° | 102.9  | 104.2  | 140.1  | 255.8  | 370.2  | 303.2  | 242.3  | 719.5  | 1336.1 | 1311.7  |
| 80°   | 58.2   | 58.2   | 89.3   | 159.1  | 252.5  | 195.6  | 169.9  | 305.9  | 423.0  | 371.6   |
| 82.5° | 32.5   | 33.2   | 65.0   | 98.8   | 167.2  | 115.7  | 93.4   | 141.5  | 182.7  | 161.8   |
| 85°   | 13.5   | 14.9   | 39.9   | 46.7   | 79.9   | 57.5   | 37.9   | 59.6   | 67.7   | 60.2    |
| 87.5° | 1.4    | 2.0    | 12.2   | 8.8    | 9.5    | 11.5   | 5.4    | 11.5   | 9.5    | 9.5     |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1557.4 | 0°    | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 | 1557.4 |
| 1580.4 | 2.5°  | 1567.6 | 1557.4 | 1531.7 | 1501.9 | 1462.7 | 1443.7 | 1418.0 | 1400.4 | 1385.5 | 1386.9 |
| 1619.7 | 5°    | 1598.0 | 1572.3 | 1514.8 | 1443.0 | 1353.7 | 1290.1 | 1222.4 | 1175.7 | 1137.8 | 1129.7 |
| 1673.8 | 7.5°  | 1640.0 | 1599.4 | 1498.5 | 1369.3 | 1218.3 | 1103.9 | 1001.7 | 936.1  | 889.4  | 874.5  |
| 1739.5 | 10°   | 1694.2 | 1635.3 | 1477.6 | 1276.5 | 1059.3 | 913.7  | 804.1  | 752.7  | 720.8  | 710.0  |
| 1816.7 | 12.5° | 1757.1 | 1676.6 | 1449.8 | 1163.5 | 895.5  | 755.4  | 685.6  | 659.9  | 649.8  | 646.4  |
| 1911.4 | 15°   | 1836.3 | 1728.0 | 1407.8 | 1029.5 | 756.7  | 658.6  | 628.8  | 625.4  | 626.8  | 625.4  |
| 2025.1 | 17.5° | 1930.4 | 1784.2 | 1339.5 | 891.4  | 663.3  | 609.2  | 598.3  | 601.0  | 604.4  | 603.7  |
| 2152.4 | 20°   | 2033.3 | 1839.7 | 1252.2 | 768.9  | 599.7  | 574.0  | 567.9  | 570.6  | 573.3  | 571.9  |
| 2299.3 | 22.5° | 2150.3 | 1899.2 | 1155.4 | 673.5  | 557.0  | 541.5  | 534.7  | 535.4  | 535.4  | 532.7  |
| 2485.4 | 25°   | 2290.5 | 1964.9 | 1053.9 | 605.8  | 524.6  | 512.4  | 504.3  | 501.5  | 497.5  | 489.4  |
| 2711.5 | 27.5° | 2457.6 | 2034.6 | 956.4  | 558.4  | 498.8  | 487.3  | 477.9  | 471.1  | 460.9  | 447.4  |
| 2982.9 | 30°   | 2645.8 | 2119.2 | 873.8  | 528.6  | 478.5  | 467.0  | 456.2  | 446.0  | 431.2  | 414.2  |
| 3294.9 | 32.5° | 2867.1 | 2209.9 | 813.6  | 509.0  | 460.3  | 448.1  | 435.2  | 423.0  | 406.8  | 389.9  |
| 3645.5 | 35°   | 3131.1 | 2319.6 | 778.4  | 495.5  | 446.0  | 429.8  | 415.6  | 402.0  | 389.9  | 375.0  |
| 4026.6 | 37.5° | 3417.4 | 2436.0 | 767.5  | 488.7  | 436.6  | 411.5  | 395.3  | 385.8  | 384.4  | 375.7  |
| 4438.8 | 40°   | 3730.8 | 2574.1 | 775.7  | 484.6  | 426.4  | 393.9  | 376.3  | 374.3  | 377.7  | 362.1  |
| 4879.4 | 42.5° | 4062.4 | 2737.9 | 789.2  | 479.9  | 412.2  | 376.3  | 359.4  | 359.4  | 356.7  | 335.0  |
| 5345.1 | 45°   | 4421.2 | 2926.7 | 802.7  | 468.4  | 395.3  | 358.7  | 345.9  | 341.1  | 329.6  | 308.6  |
| 5813.4 | 47.5° | 4782.6 | 3118.9 | 812.9  | 447.4  | 375.0  | 343.8  | 332.3  | 321.5  | 304.6  | 285.6  |
| 6273.0 | 50°   | 5125.8 | 3291.5 | 802.1  | 416.3  | 352.0  | 329.6  | 317.4  | 302.6  | 284.3  | 271.4  |
| 6708.2 | 52.5° | 5432.4 | 3441.1 | 756.0  | 379.7  | 327.6  | 314.7  | 303.9  | 288.3  | 273.4  | 259.9  |
| 7100.8 | 55°   | 5699.1 | 3562.3 | 674.8  | 345.2  | 305.9  | 301.9  | 291.0  | 271.4  | 251.1  | 239.6  |
| 7490.0 | 57.5° | 5954.9 | 3654.3 | 573.3  | 316.8  | 286.3  | 287.7  | 271.4  | 253.8  | 234.9  | 222.7  |
| 8014.6 | 60°   | 6295.4 | 3777.5 | 470.4  | 290.4  | 265.3  | 269.4  | 251.8  | 238.9  | 215.2  | 199.7  |
| 8914.1 | 62.5° | 6839.6 | 3969.0 | 373.6  | 257.9  | 241.0  | 242.3  | 234.9  | 219.3  | 190.9  | 172.6  |
| 9580.8 | 65°   | 7271.4 | 3898.6 | 294.4  | 222.7  | 213.2  | 215.2  | 215.2  | 198.3  | 167.9  | 146.9  |
| 9616.7 | 67.5° | 7222.6 | 3338.2 | 234.9  | 188.2  | 186.8  | 188.2  | 192.9  | 178.7  | 148.9  | 132.0  |
| 8884.3 | 70°   | 6653.4 | 2655.3 | 188.2  | 156.4  | 162.4  | 159.1  | 172.6  | 163.1  | 134.0  | 117.1  |
| 6887.6 | 72.5° | 5429.0 | 1912.8 | 143.5  | 129.3  | 124.5  | 130.0  | 155.7  | 146.9  | 111.7  | 92.7   |
| 3648.2 | 75°   | 3172.4 | 1020.7 | 106.9  | 102.2  | 90.0   | 108.3  | 138.1  | 125.2  | 85.3   | 68.4   |
| 1118.2 | 77.5° | 1032.9 | 356.0  | 78.5   | 75.1   | 67.0   | 87.3   | 117.8  | 105.6  | 69.7   | 54.1   |
| 327.6  | 80°   | 276.8  | 107.6  | 53.5   | 49.4   | 43.3   | 65.0   | 93.4   | 83.9   | 50.1   | 35.2   |
| 140.8  | 82.5° | 111.0  | 45.3   | 31.1   | 27.8   | 23.7   | 44.7   | 73.8   | 67.7   | 37.2   | 22.3   |
| 44.0   | 85°   | 35.9   | 14.9   | 11.5   | 8.8    | 10.8   | 27.8   | 44.0   | 46.0   | 26.4   | 11.5   |
| 6.8    | 87.5° | 4.7    | 2.0    | 2.0    | 2.7    | 2.0    | 4.7    | 13.5   | 12.9   | 7.4    | 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°   |
|--------|
| 1557.4 |
| 1373.3 |
| 1111.4 |
| 859.6  |
| 701.9  |
| 644.4  |
| 624.7  |
| 602.4  |
| 571.3  |
| 531.3  |
| 488.0  |
| 446.0  |
| 412.9  |
| 390.5  |
| 373.6  |
| 375.0  |
| 362.8  |
| 335.0  |
| 308.0  |
| 285.0  |
| 269.4  |
| 258.6  |
| 238.3  |
| 221.3  |
| 197.6  |
| 171.2  |
| 144.8  |
| 129.3  |
| 115.1  |
| 90.7   |
| 66.3   |
| 52.1   |
| 34.5   |
| 22.3   |
| 8.8    |
| 0.0    |
| 0.0    |