

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: P847827

Luminaire Tested: **GLAN-SB4A-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847827  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11674 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

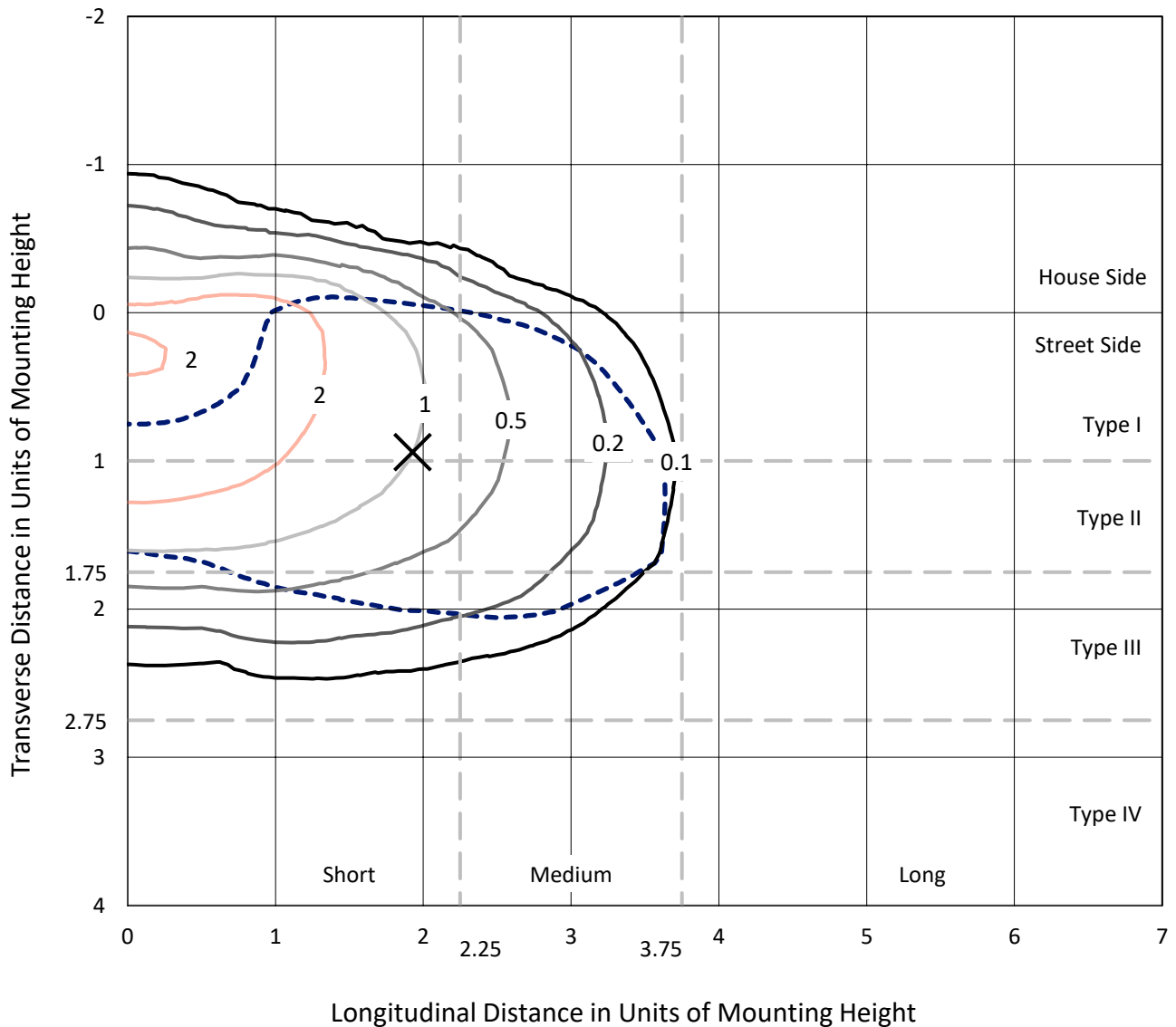
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

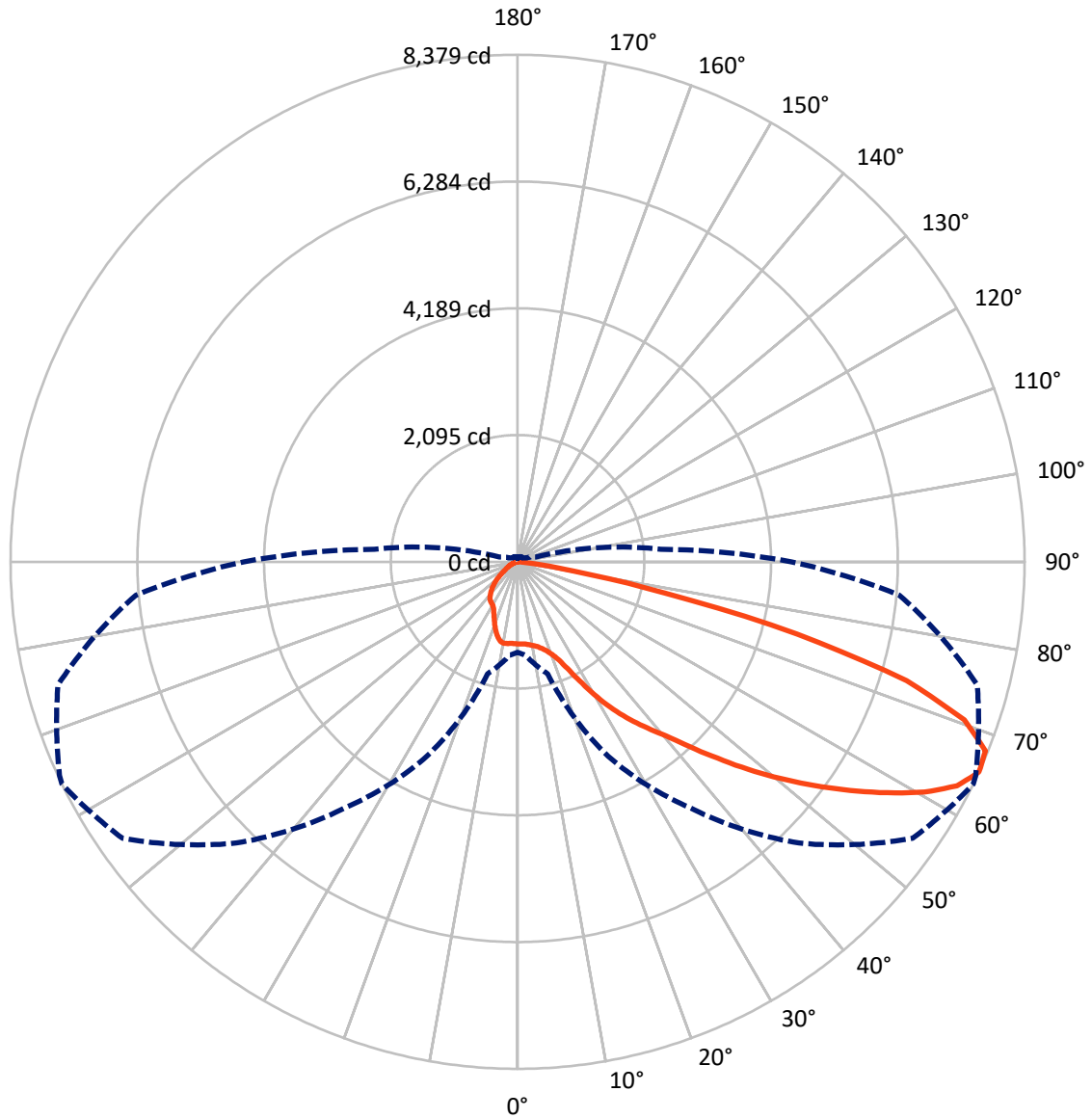
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1561.2   | 0.0    | 1561.2  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 10112.8  | 0.0    | 10112.8 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 11674.0  | 0.0    | 11674.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 125.3   | 1.1       |
| 10°-20°   | 339.8   | 2.9       |
| 20°-30°   | 643.8   | 5.5       |
| 30°-40°   | 1302.8  | 11.2      |
| 40°-50°   | 2219.4  | 19.0      |
| 50°-60°   | 3018.2  | 25.9      |
| 60°-70°   | 2834.2  | 24.3      |
| 70°-80°   | 1135.5  | 9.7       |
| 80°-90°   | 55.0    | 0.5       |
| 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°    | 11674.0 | 100.0     |
| 0°-180°   | 11674.0 | 100.0     |

**Coefficient of Utilization**



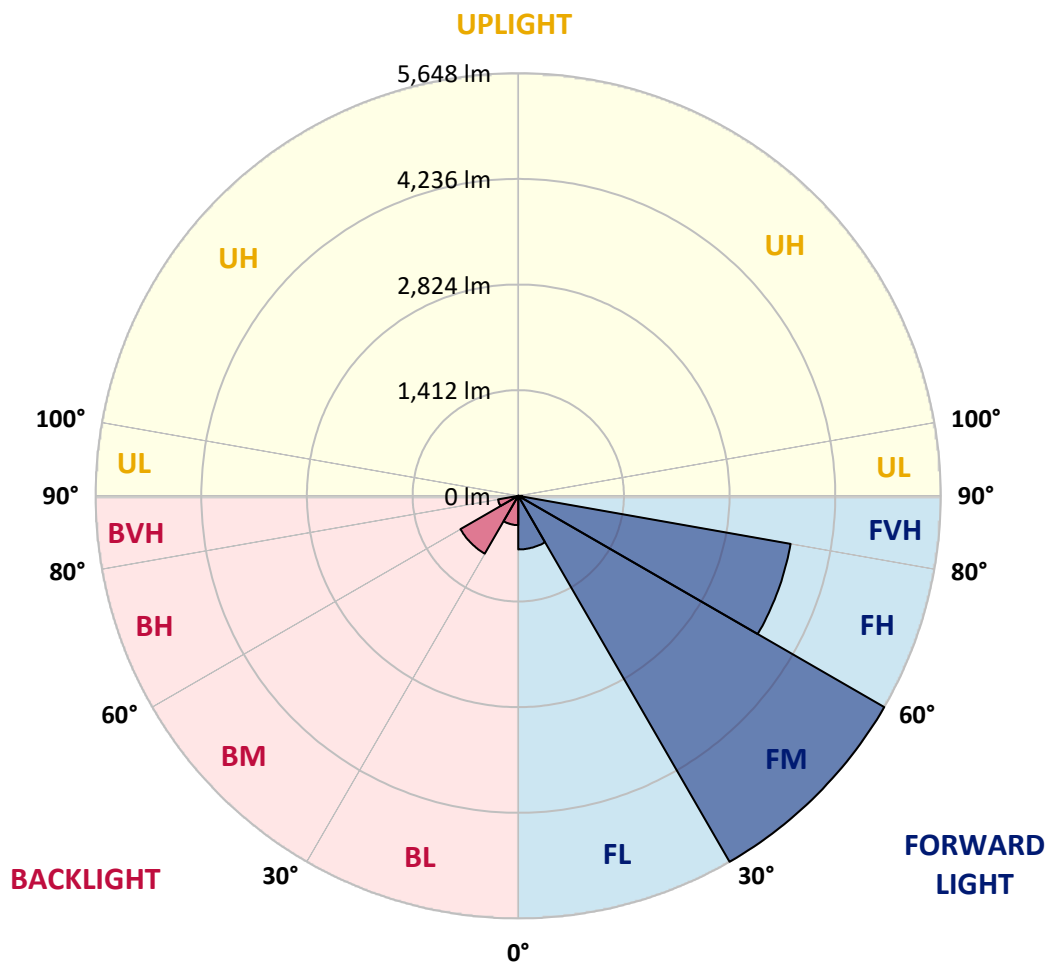
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 716.9  | 6.1       |                         |      |         |
| FM (30°-60°)   | 5647.9 | 48.4      |                         |      |         |
| FH (60°-80°)   | 3695.7 | 31.7      |                         |      | G2/5000 |
| FVH (80°-90°)  | 52.3   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 392.0  | 3.4       | B1/500                  |      |         |
| BM (30°-60°)   | 892.5  | 7.6       | B1/1000                 |      |         |
| BH (60°-80°)   | 274.0  | 2.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 2.7    | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 |
| 2.5°  | 1353.1 | 1362.5 | 1360.2 | 1357.8 | 1357.0 | 1358.6 | 1359.4 | 1358.6 | 1358.6 | 1358.6 |
| 5°    | 1327.3 | 1335.1 | 1335.1 | 1340.6 | 1348.4 | 1357.8 | 1364.9 | 1366.4 | 1368.0 | 1370.3 |
| 7.5°  | 1278.0 | 1284.2 | 1288.9 | 1306.9 | 1326.5 | 1351.5 | 1372.7 | 1383.6 | 1385.2 | 1393.8 |
| 10°   | 1244.3 | 1252.2 | 1260.0 | 1278.8 | 1306.9 | 1344.5 | 1380.5 | 1407.1 | 1411.0 | 1431.4 |
| 12.5° | 1242.8 | 1250.6 | 1260.8 | 1281.1 | 1314.0 | 1353.9 | 1397.7 | 1436.1 | 1443.1 | 1472.8 |
| 15°   | 1259.2 | 1268.6 | 1278.0 | 1303.0 | 1338.2 | 1386.8 | 1433.7 | 1481.5 | 1488.5 | 1530.8 |
| 17.5° | 1292.9 | 1305.4 | 1312.4 | 1337.5 | 1375.0 | 1429.0 | 1490.8 | 1545.6 | 1551.9 | 1601.2 |
| 20°   | 1359.4 | 1374.2 | 1376.6 | 1396.9 | 1433.7 | 1491.6 | 1565.2 | 1633.3 | 1641.1 | 1697.5 |
| 22.5° | 1497.1 | 1518.2 | 1499.5 | 1509.6 | 1542.5 | 1600.4 | 1680.2 | 1766.3 | 1777.3 | 1841.5 |
| 25°   | 1739.7 | 1769.5 | 1720.9 | 1703.7 | 1717.8 | 1778.1 | 1878.2 | 1987.0 | 1999.5 | 2051.2 |
| 27.5° | 2216.3 | 2178.0 | 2104.4 | 2032.4 | 1990.1 | 2024.6 | 2137.3 | 2271.9 | 2287.5 | 2337.6 |
| 30°   | 2739.9 | 2706.2 | 2606.8 | 2447.2 | 2347.0 | 2341.5 | 2445.6 | 2595.9 | 2613.9 | 2661.6 |
| 32.5° | 3264.2 | 3232.1 | 3124.1 | 2927.7 | 2754.0 | 2667.9 | 2739.9 | 2906.6 | 2916.0 | 2946.5 |
| 35°   | 3779.9 | 3747.1 | 3639.1 | 3438.0 | 3224.3 | 3028.7 | 3014.6 | 3202.4 | 3205.5 | 3237.6 |
| 37.5° | 4298.8 | 4271.4 | 4156.4 | 3959.2 | 3748.6 | 3478.6 | 3348.0 | 3482.6 | 3486.5 | 3517.8 |
| 40°   | 4669.0 | 4680.7 | 4601.7 | 4449.1 | 4268.3 | 3973.2 | 3722.0 | 3780.7 | 3757.3 | 3809.7 |
| 42.5° | 4986.7 | 5010.2 | 4941.3 | 4864.6 | 4759.8 | 4499.9 | 4185.3 | 4175.2 | 4137.6 | 4165.8 |
| 45°   | 5261.4 | 5281.0 | 5219.1 | 5201.1 | 5198.8 | 5016.5 | 4691.7 | 4630.6 | 4578.2 | 4572.7 |
| 47.5° | 5362.4 | 5399.9 | 5426.5 | 5486.8 | 5604.2 | 5527.5 | 5215.2 | 5120.5 | 5061.8 | 5018.8 |
| 50°   | 5400.7 | 5440.6 | 5531.4 | 5706.7 | 5984.5 | 6017.4 | 5736.4 | 5630.0 | 5558.0 | 5479.8 |
| 52.5° | 5349.1 | 5420.3 | 5542.4 | 5837.4 | 6240.4 | 6410.3 | 6236.5 | 6143.4 | 6061.2 | 5933.7 |
| 55°   | 5044.6 | 5115.8 | 5365.5 | 5835.8 | 6368.0 | 6685.7 | 6709.2 | 6667.7 | 6575.4 | 6374.3 |
| 57.5° | 4402.9 | 4508.5 | 4903.8 | 5637.1 | 6365.7 | 6922.9 | 7172.5 | 7202.2 | 7098.9 | 6810.9 |
| 60°   | 3513.9 | 3657.1 | 4139.2 | 5196.5 | 6169.2 | 7051.2 | 7578.7 | 7727.4 | 7617.8 | 7241.4 |
| 62.5° | 2451.9 | 2617.8 | 3074.0 | 4506.2 | 5720.0 | 6958.9 | 7875.3 | 8150.0 | 8067.0 | 7626.4 |
| 65°   | 1495.5 | 1548.8 | 1916.6 | 3546.0 | 4956.2 | 6572.3 | 7966.8 | 8378.5 | 8351.1 | 7862.0 |
| 67.5° | 996.2  | 1040.9 | 1146.5 | 2431.5 | 3847.3 | 5799.8 | 7747.7 | 8338.6 | 8346.4 | 7823.6 |
| 70°   | 600.3  | 638.6  | 707.5  | 1414.2 | 2493.4 | 4590.7 | 7069.2 | 7829.9 | 7875.3 | 7311.0 |
| 72.5° | 247.3  | 273.1  | 335.7  | 640.9  | 1291.3 | 2913.6 | 5629.2 | 6722.5 | 6828.2 | 6147.3 |
| 75°   | 140.1  | 153.4  | 197.2  | 321.6  | 560.3  | 1357.8 | 3409.8 | 4772.3 | 4928.0 | 4237.0 |
| 77.5° | 93.1   | 99.4   | 127.6  | 208.2  | 315.4  | 463.3  | 1457.2 | 2486.3 | 2783.7 | 2314.1 |
| 80°   | 62.6   | 68.1   | 87.7   | 139.3  | 205.0  | 198.8  | 464.1  | 921.1  | 1133.2 | 795.1  |
| 82.5° | 42.3   | 43.0   | 62.6   | 91.6   | 129.9  | 96.3   | 137.0  | 286.4  | 360.0  | 230.1  |
| 85°   | 24.3   | 23.5   | 46.2   | 53.2   | 57.9   | 39.9   | 41.5   | 86.1   | 112.7  | 97.0   |
| 87.5° | 3.1    | 4.7    | 18.0   | 14.1   | 7.8    | 8.6    | 8.6    | 14.9   | 21.9   | 23.5   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1357.8 | 0°    | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 | 1357.8 |
| 1359.4 | 2.5°  | 1359.4 | 1358.6 | 1356.2 | 1353.9 | 1348.4 | 1345.3 | 1346.9 | 1345.3 | 1344.5 | 1345.3 |
| 1369.5 | 5°    | 1369.5 | 1367.2 | 1360.9 | 1353.1 | 1342.2 | 1328.9 | 1320.2 | 1307.7 | 1296.0 | 1288.9 |
| 1396.9 | 7.5°  | 1396.9 | 1394.6 | 1386.0 | 1364.1 | 1328.9 | 1273.3 | 1222.4 | 1177.8 | 1144.2 | 1124.6 |
| 1440.8 | 10°   | 1440.8 | 1436.8 | 1423.5 | 1375.0 | 1282.7 | 1161.4 | 1060.4 | 976.7  | 921.9  | 896.1  |
| 1492.4 | 12.5° | 1492.4 | 1487.7 | 1464.2 | 1364.9 | 1195.0 | 1005.6 | 866.3  | 773.2  | 722.3  | 699.6  |
| 1551.9 | 15°   | 1553.5 | 1547.2 | 1501.0 | 1316.3 | 1067.5 | 833.5  | 705.9  | 636.3  | 603.4  | 583.0  |
| 1627.8 | 17.5° | 1629.4 | 1618.4 | 1528.4 | 1243.5 | 928.9  | 702.0  | 607.3  | 554.9  | 525.9  | 506.3  |
| 1727.2 | 20°   | 1728.0 | 1710.0 | 1550.3 | 1156.7 | 801.4  | 619.0  | 540.8  | 496.9  | 475.0  | 457.8  |
| 1868.1 | 22.5° | 1865.7 | 1839.9 | 1576.9 | 1062.8 | 711.4  | 561.9  | 491.5  | 459.4  | 441.4  | 421.8  |
| 2064.5 | 25°   | 2036.3 | 2005.8 | 1609.8 | 975.9  | 649.6  | 512.6  | 455.5  | 428.9  | 407.7  | 385.0  |
| 2322.0 | 27.5° | 2275.0 | 2220.2 | 1648.9 | 904.7  | 596.3  | 470.3  | 422.6  | 392.9  | 368.6  | 349.8  |
| 2613.9 | 30°   | 2541.1 | 2451.1 | 1683.4 | 861.6  | 547.8  | 431.2  | 379.6  | 349.8  | 327.1  | 313.8  |
| 2876.0 | 32.5° | 2793.1 | 2671.0 | 1706.1 | 842.9  | 504.0  | 386.6  | 332.6  | 300.5  | 283.3  | 279.4  |
| 3132.7 | 35°   | 3031.0 | 2869.8 | 1703.7 | 824.9  | 464.9  | 342.0  | 286.4  | 253.6  | 240.3  | 242.6  |
| 3409.0 | 37.5° | 3304.9 | 3081.9 | 1687.3 | 796.7  | 432.8  | 301.3  | 246.5  | 217.6  | 205.8  | 206.6  |
| 3744.7 | 40°   | 3623.4 | 3326.8 | 1677.1 | 743.5  | 397.6  | 263.7  | 213.6  | 190.2  | 181.6  | 178.4  |
| 4098.5 | 42.5° | 3963.1 | 3564.0 | 1678.7 | 683.2  | 353.7  | 230.1  | 191.0  | 171.4  | 163.6  | 161.2  |
| 4492.1 | 45°   | 4304.3 | 3790.1 | 1681.0 | 620.6  | 307.6  | 204.3  | 174.5  | 158.1  | 153.4  | 150.3  |
| 4891.2 | 47.5° | 4625.2 | 3982.6 | 1637.2 | 553.3  | 262.2  | 184.7  | 161.2  | 150.3  | 146.3  | 142.4  |
| 5291.9 | 50°   | 4924.1 | 4111.0 | 1531.5 | 475.0  | 226.2  | 169.0  | 151.0  | 143.2  | 139.3  | 135.4  |
| 5655.1 | 52.5° | 5156.5 | 4131.3 | 1357.0 | 394.4  | 201.1  | 157.3  | 144.8  | 137.7  | 133.0  | 129.1  |
| 5948.5 | 55°   | 5259.8 | 4003.8 | 1108.9 | 319.3  | 181.6  | 147.1  | 138.5  | 131.5  | 126.0  | 122.1  |
| 6179.4 | 57.5° | 5233.2 | 3735.3 | 864.8  | 256.7  | 162.8  | 137.0  | 130.7  | 126.0  | 119.7  | 113.5  |
| 6366.4 | 60°   | 5102.5 | 3376.1 | 651.9  | 213.6  | 145.6  | 126.0  | 122.1  | 118.2  | 109.6  | 100.2  |
| 6438.4 | 62.5° | 4876.4 | 2924.6 | 464.9  | 176.9  | 126.8  | 113.5  | 111.9  | 108.8  | 96.3   | 79.0   |
| 6332.0 | 65°   | 4530.5 | 2376.0 | 313.0  | 147.1  | 108.8  | 99.4   | 100.2  | 94.7   | 78.3   | 58.7   |
| 5942.3 | 67.5° | 4024.9 | 1737.4 | 200.3  | 120.5  | 90.8   | 83.0   | 83.7   | 80.6   | 66.5   | 50.1   |
| 5203.5 | 70°   | 3380.8 | 1150.4 | 130.7  | 91.6   | 72.8   | 64.2   | 68.9   | 69.7   | 56.3   | 40.7   |
| 3993.6 | 72.5° | 2478.5 | 679.3  | 91.6   | 68.1   | 53.2   | 44.6   | 56.3   | 57.9   | 45.4   | 30.5   |
| 2402.6 | 75°   | 1412.6 | 322.4  | 68.9   | 49.3   | 32.9   | 31.3   | 43.8   | 43.8   | 31.3   | 20.3   |
| 1040.1 | 77.5° | 593.2  | 134.6  | 48.5   | 32.1   | 18.8   | 18.0   | 29.7   | 27.4   | 15.7   | 9.4    |
| 253.6  | 80°   | 171.4  | 60.3   | 25.8   | 15.7   | 7.8    | 7.0    | 11.7   | 8.6    | 3.9    | 1.6    |
| 96.3   | 82.5° | 67.3   | 26.6   | 10.2   | 6.3    | 3.1    | 3.1    | 1.6    | 0.0    | 0.0    | 0.0    |
| 54.8   | 85°   | 39.9   | 11.0   | 4.7    | 2.3    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 11.7   | 87.5° | 10.2   | 2.3    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
| <hr/>  |
| 1357.8 |
| 1348.4 |
| 1290.5 |
| 1125.4 |
| 893.7  |
| 697.3  |
| 583.8  |
| 504.8  |
| 454.7  |
| 418.7  |
| 382.7  |
| 345.9  |
| 311.5  |
| 281.7  |
| 242.6  |
| 209.7  |
| 177.6  |
| 160.4  |
| 150.3  |
| 142.4  |
| 135.4  |
| 128.3  |
| 121.3  |
| 112.7  |
| 98.6   |
| 77.5   |
| 57.1   |
| 47.7   |
| 39.1   |
| 29.0   |
| 18.8   |
| 9.4    |
| 1.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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