

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: P955144

Luminaire Tested: **GLAN-SB8A-940-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-940-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26732 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 227.1  
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



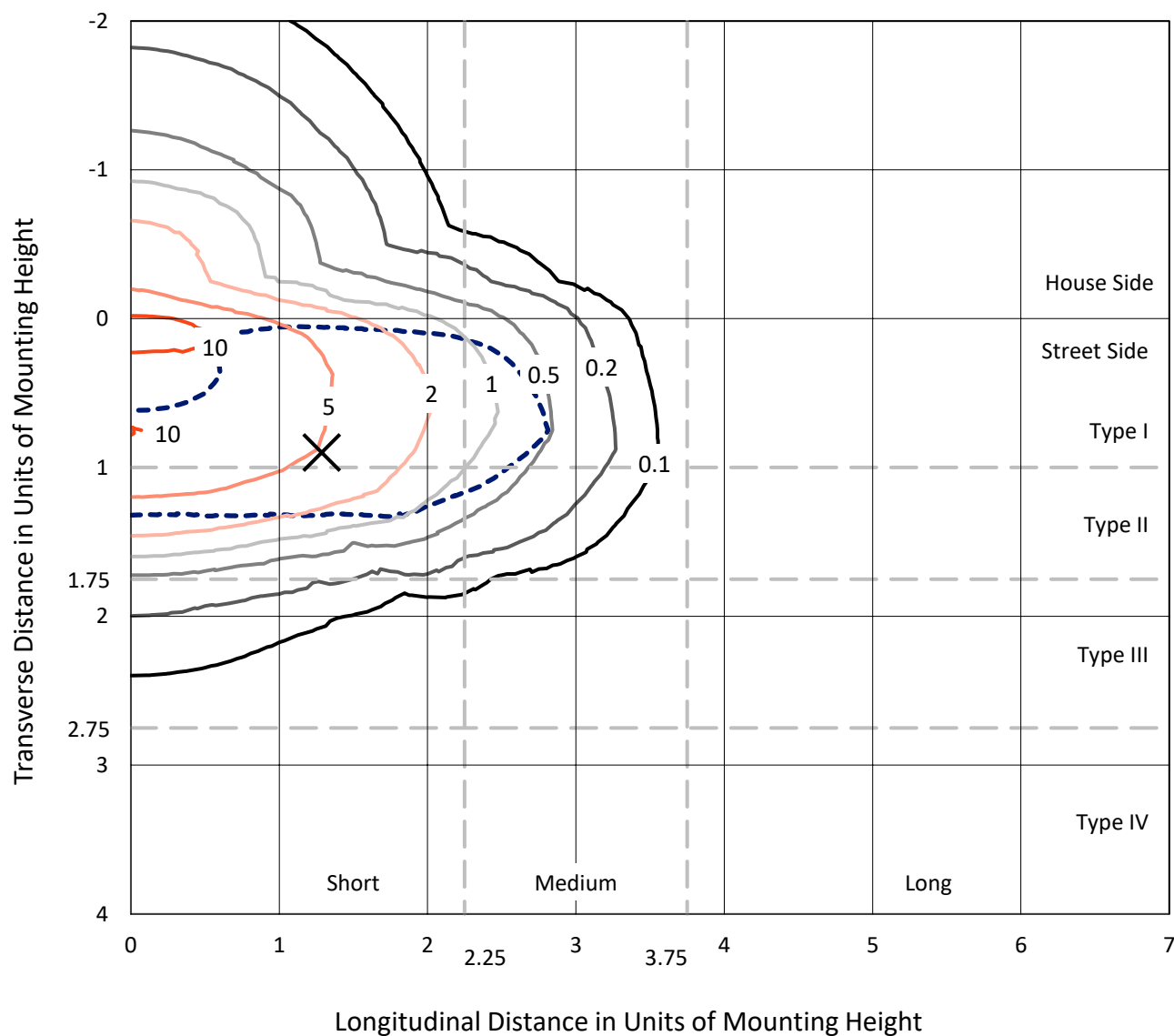
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

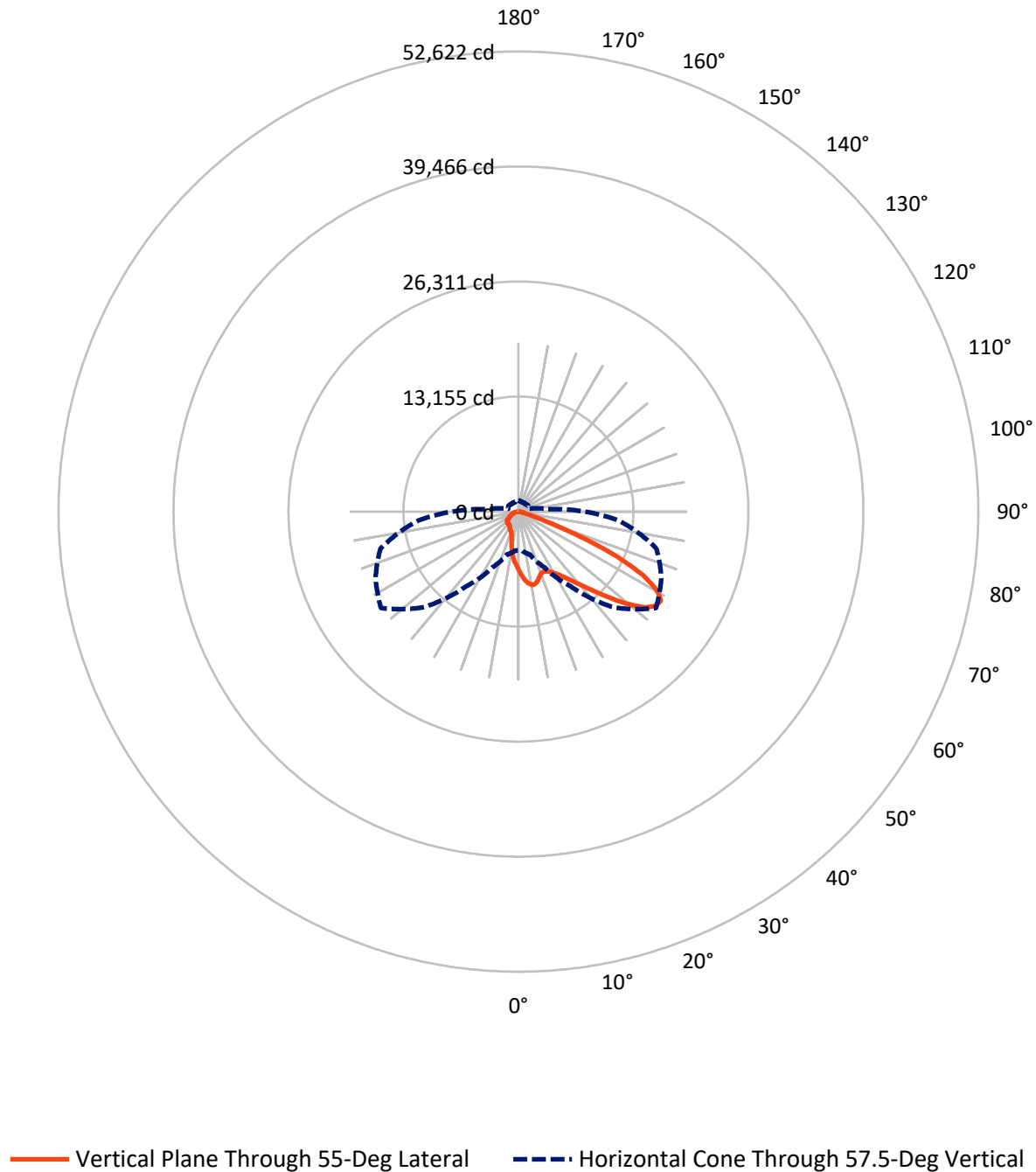


Based on 25 foot mounting height. Maximum calculated value = 13 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4837.0   | 0.0    | 4837.0  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 21895.0  | 0.0    | 21895.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 26732.0  | 0.0    | 26732.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 621.5   | 2.3       |
| 10°-20°   | 1568.8  | 5.9       |
| 20°-30°   | 2503.4  | 9.4       |
| 30°-40°   | 3963.5  | 14.8      |
| 40°-50°   | 6066.5  | 22.7      |
| 50°-60°   | 6497.8  | 24.3      |
| 60°-70°   | 4087.8  | 15.3      |
| 70°-80°   | 1208.8  | 4.5       |
| 80°-90°   | 213.7   | 0.8       |
| 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°    | 26732.0 | 100.0     |
| 0°-180°   | 26732.0 | 100.0     |

**Coefficient of Utilization**



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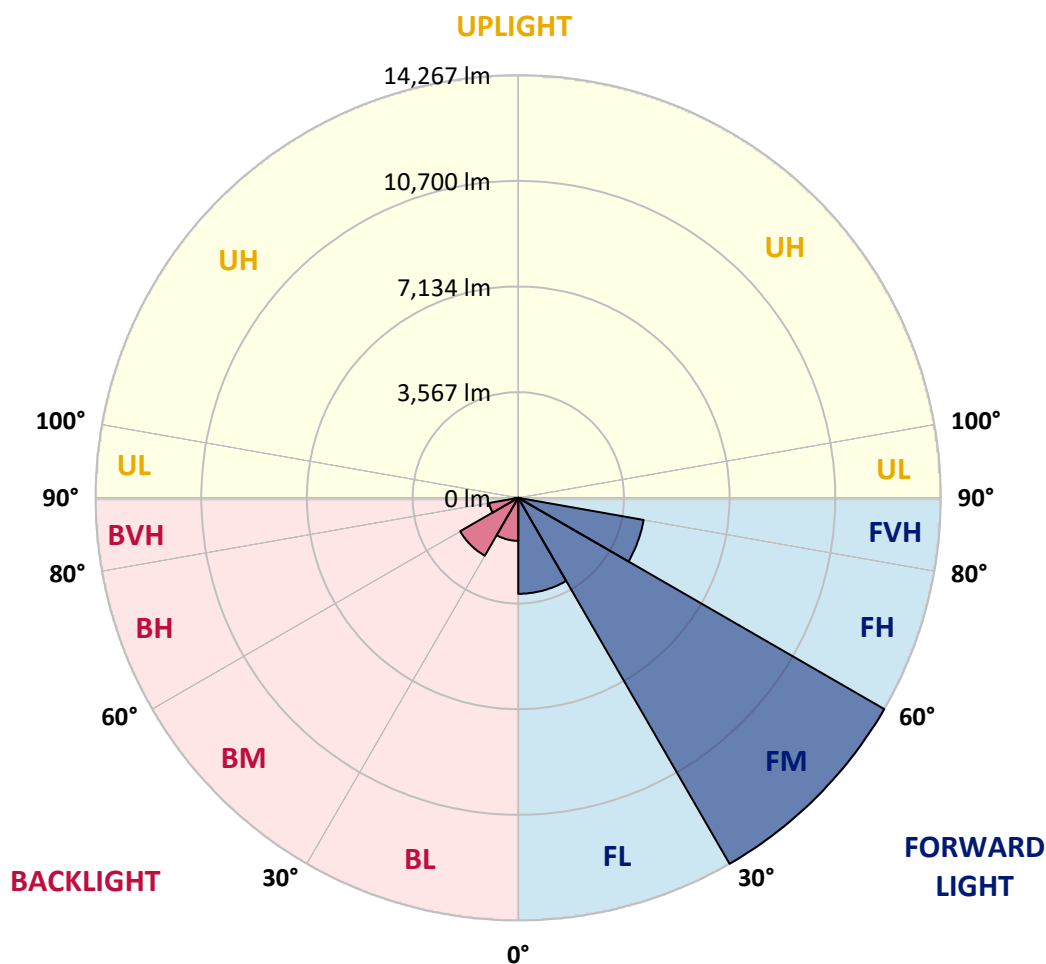
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3239.9  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 14267.1 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 4297.7  | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 90.3    | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1453.8  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2260.8  | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 999.0   | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 123.4   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6698.2  | 6698.2  | 6698.2  | 6698.2  | 6698.2  | 6698.2  | 6698.2  | 6698.2  | 6698.2  | 6698.2  |
| 2.5°  | 7684.9  | 7679.3  | 7709.7  | 7606.1  | 7535.6  | 7440.3  | 7314.5  | 7154.2  | 6981.5  | 6799.1  |
| 5°    | 8377.2  | 8328.8  | 8360.6  | 8283.2  | 8205.8  | 8062.1  | 7875.6  | 7614.4  | 7295.2  | 6931.7  |
| 7.5°  | 8268.0  | 8234.9  | 8316.4  | 8385.5  | 8443.5  | 8425.6  | 8288.8  | 8015.1  | 7603.3  | 7075.4  |
| 10°   | 7387.8  | 7350.4  | 7465.1  | 7704.2  | 8055.2  | 8360.6  | 8526.5  | 8356.5  | 7918.4  | 7233.0  |
| 12.5° | 6611.1  | 6593.1  | 6669.2  | 6862.6  | 7252.3  | 7838.3  | 8496.1  | 8655.0  | 8245.9  | 7419.5  |
| 15°   | 6279.4  | 6257.3  | 6305.7  | 6403.8  | 6652.6  | 7198.4  | 8219.7  | 8859.5  | 8567.9  | 7635.1  |
| 17.5° | 6206.2  | 6181.3  | 6202.1  | 6253.2  | 6413.5  | 6829.5  | 7802.3  | 8960.4  | 8903.7  | 7875.6  |
| 20°   | 6341.6  | 6320.9  | 6323.7  | 6320.9  | 6432.8  | 6763.1  | 7512.1  | 8921.7  | 9196.7  | 8096.7  |
| 22.5° | 6669.2  | 6634.6  | 6636.0  | 6562.7  | 6623.5  | 6879.2  | 7436.1  | 8818.0  | 9457.9  | 8290.1  |
| 25°   | 7202.6  | 7140.4  | 7152.8  | 6966.3  | 6949.7  | 7139.0  | 7555.0  | 8737.9  | 9717.7  | 8444.9  |
| 27.5° | 7932.2  | 7861.7  | 7824.4  | 7546.7  | 7414.0  | 7508.0  | 7796.8  | 8765.5  | 9963.7  | 8579.0  |
| 30°   | 8844.3  | 8758.6  | 8682.6  | 8288.8  | 8048.3  | 8013.8  | 8172.7  | 8947.9  | 10253.9 | 8719.9  |
| 32.5° | 9962.3  | 9862.8  | 9724.6  | 9202.2  | 8863.6  | 8682.6  | 8659.1  | 9272.7  | 10593.8 | 8899.6  |
| 35°   | 11293.1 | 11163.2 | 10966.9 | 10291.2 | 9862.8  | 9492.4  | 9300.3  | 9741.2  | 11059.5 | 9170.4  |
| 37.5° | 12663.9 | 12517.4 | 12337.8 | 11533.5 | 11007.0 | 10461.1 | 10082.5 | 10376.8 | 11680.0 | 9538.0  |
| 40°   | 13928.4 | 13763.9 | 13596.7 | 12880.9 | 12315.7 | 11657.9 | 11040.2 | 11181.1 | 12438.7 | 9977.5  |
| 42.5° | 14674.6 | 14553.0 | 14489.4 | 14102.5 | 13665.8 | 12998.3 | 12231.4 | 12134.6 | 13291.3 | 10483.3 |
| 45°   | 14641.5 | 14591.7 | 14787.9 | 14948.2 | 14844.6 | 14474.2 | 13627.1 | 13189.1 | 14146.7 | 10921.3 |
| 47.5° | 13859.3 | 13892.5 | 14330.5 | 15231.5 | 15628.1 | 15821.6 | 15216.3 | 14224.1 | 14890.2 | 11248.8 |
| 50°   | 11731.1 | 11758.8 | 12773.1 | 14716.1 | 15829.9 | 16920.2 | 16793.1 | 15234.3 | 15466.5 | 11449.2 |
| 52.5° | 10046.6 | 10064.5 | 10499.8 | 13187.7 | 15163.8 | 17473.0 | 18213.7 | 16186.4 | 15887.9 | 11504.5 |
| 55°   | 7567.4  | 7629.6  | 8117.4  | 10346.4 | 13430.9 | 17034.9 | 19078.8 | 17167.6 | 16154.7 | 11510.0 |
| 57.5° | 4420.8  | 4488.5  | 5091.0  | 7022.9  | 10439.0 | 15507.9 | 19210.1 | 18038.2 | 16335.7 | 11465.8 |
| 60°   | 2165.5  | 2194.5  | 2457.1  | 3691.1  | 6437.0  | 12565.8 | 18154.3 | 18459.7 | 16436.6 | 11442.3 |
| 62.5° | 1459.3  | 1455.2  | 1466.2  | 1821.4  | 3171.5  | 8073.2  | 15954.3 | 17721.8 | 16382.7 | 11352.5 |
| 65°   | 1254.8  | 1239.6  | 1198.1  | 1278.3  | 1643.1  | 3692.5  | 12326.7 | 15519.0 | 15972.2 | 11127.2 |
| 67.5° | 1084.8  | 1086.2  | 1087.6  | 1062.7  | 1173.3  | 1703.9  | 7532.9  | 12224.5 | 14499.1 | 10060.4 |
| 70°   | 898.2   | 910.7   | 916.2   | 916.2   | 956.3   | 1118.0  | 3215.7  | 8378.6  | 11436.8 | 7888.0  |
| 72.5° | 818.1   | 791.8   | 794.6   | 780.8   | 780.8   | 851.3   | 1294.9  | 4749.7  | 7205.3  | 4437.3  |
| 75°   | 667.5   | 684.1   | 686.8   | 677.1   | 645.4   | 649.5   | 768.3   | 1992.7  | 3083.1  | 1840.7  |
| 77.5° | 576.3   | 576.3   | 581.8   | 574.9   | 550.0   | 486.4   | 512.7   | 772.5   | 1048.9  | 754.5   |
| 80°   | 462.9   | 461.6   | 485.1   | 498.9   | 460.2   | 359.3   | 327.5   | 427.0   | 465.7   | 331.7   |
| 82.5° | 225.3   | 239.1   | 333.0   | 380.0   | 349.6   | 259.8   | 200.4   | 265.3   | 248.7   | 146.5   |
| 85°   | 131.3   | 124.4   | 149.2   | 211.4   | 200.4   | 143.7   | 96.7    | 138.2   | 129.9   | 74.6    |
| 87.5° | 41.5    | 38.7    | 30.4    | 71.9    | 58.0    | 40.1    | 26.3    | 40.1    | 35.9    | 16.6    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6698.2 | 0°    | 6698.2 | 6698.2 | 6698.2 | 6698.2 | 6698.2 | 6698.2 | 6698.2 | 6698.2 | 6698.2 | 6698.2 |
| 6720.3 | 2.5°  | 6622.2 | 6459.1 | 6297.4 | 6149.5 | 6059.7 | 6001.7 | 5943.6 | 5878.7 | 5853.8 | 5816.5 |
| 6738.2 | 5°    | 6555.8 | 6240.8 | 5960.2 | 5718.4 | 5498.7 | 5325.9 | 5151.8 | 5010.8 | 4947.3 | 4990.1 |
| 6794.9 | 7.5°  | 6517.1 | 6061.1 | 5628.6 | 5185.0 | 4758.0 | 4416.6 | 4119.5 | 3910.8 | 3816.9 | 3840.4 |
| 6850.2 | 10°   | 6482.6 | 5858.0 | 5198.8 | 4498.2 | 3884.6 | 3461.7 | 3157.7 | 2998.8 | 2939.3 | 2951.8 |
| 6924.8 | 12.5° | 6450.8 | 5629.9 | 4680.6 | 3758.8 | 3106.6 | 2827.4 | 2740.3 | 2741.7 | 2752.8 | 2761.1 |
| 7043.7 | 15°   | 6445.3 | 5354.9 | 4101.5 | 3112.1 | 2686.5 | 2668.5 | 2762.5 | 2821.9 | 2853.7 | 2863.3 |
| 7143.2 | 17.5° | 6437.0 | 5026.0 | 3511.5 | 2671.3 | 2584.2 | 2705.8 | 2792.9 | 2831.6 | 2856.4 | 2857.8 |
| 7239.9 | 20°   | 6403.8 | 4608.7 | 2967.0 | 2461.2 | 2562.1 | 2667.1 | 2721.0 | 2751.4 | 2772.1 | 2779.0 |
| 7313.1 | 22.5° | 6301.6 | 4144.4 | 2542.7 | 2367.2 | 2473.6 | 2557.9 | 2621.5 | 2656.1 | 2668.5 | 2676.8 |
| 7326.9 | 25°   | 6117.8 | 3624.8 | 2249.8 | 2277.4 | 2350.6 | 2457.1 | 2508.2 | 2515.1 | 2511.0 | 2523.4 |
| 7292.4 | 27.5° | 5877.3 | 3067.9 | 2067.4 | 2155.8 | 2249.8 | 2341.0 | 2368.6 | 2364.5 | 2356.2 | 2370.0 |
| 7233.0 | 30°   | 5587.1 | 2567.6 | 1951.3 | 2019.0 | 2147.5 | 2230.4 | 2255.3 | 2245.6 | 2229.0 | 2244.2 |
| 7202.6 | 32.5° | 5280.3 | 2158.6 | 1855.9 | 1923.6 | 2063.2 | 2144.7 | 2169.6 | 2159.9 | 2147.5 | 2159.9 |
| 7237.1 | 35°   | 4994.3 | 1872.5 | 1767.5 | 1860.1 | 1996.9 | 2077.0 | 2108.8 | 2110.2 | 2110.2 | 2125.4 |
| 7328.3 | 37.5° | 4731.7 | 1705.3 | 1694.2 | 1820.0 | 1951.3 | 2023.1 | 2068.7 | 2071.5 | 2012.1 | 2016.2 |
| 7483.1 | 40°   | 4488.5 | 1634.8 | 1661.1 | 1793.7 | 1907.1 | 1976.1 | 1978.9 | 1824.1 | 1715.0 | 1712.2 |
| 7660.0 | 42.5° | 4289.5 | 1621.0 | 1670.7 | 1791.0 | 1875.3 | 1878.0 | 1683.2 | 1563.0 | 1532.6 | 1533.9 |
| 7823.1 | 45°   | 4102.9 | 1616.8 | 1692.9 | 1791.0 | 1828.3 | 1622.4 | 1491.1 | 1459.3 | 1462.1 | 1473.1 |
| 7896.3 | 47.5° | 3894.3 | 1600.3 | 1697.0 | 1766.1 | 1692.9 | 1442.7 | 1404.0 | 1390.2 | 1384.7 | 1387.4 |
| 7879.7 | 50°   | 3666.2 | 1540.8 | 1644.5 | 1716.3 | 1460.7 | 1365.3 | 1317.0 | 1312.8 | 1319.7 | 1323.9 |
| 7787.1 | 52.5° | 3425.8 | 1444.1 | 1554.7 | 1626.5 | 1354.3 | 1297.6 | 1243.7 | 1253.4 | 1283.8 | 1293.5 |
| 7690.4 | 55°   | 3268.2 | 1330.8 | 1435.8 | 1446.9 | 1279.7 | 1234.1 | 1188.5 | 1210.6 | 1267.2 | 1285.2 |
| 7632.4 | 57.5° | 3226.8 | 1210.6 | 1300.4 | 1288.0 | 1184.3 | 1178.8 | 1151.1 | 1170.5 | 1242.3 | 1268.6 |
| 7629.6 | 60°   | 3214.3 | 1102.8 | 1167.7 | 1158.0 | 1091.7 | 1118.0 | 1111.1 | 1120.7 | 1145.6 | 1153.9 |
| 7601.9 | 62.5° | 3117.6 | 1017.1 | 1048.9 | 1035.1 | 1008.8 | 1054.4 | 1071.0 | 1050.3 | 1069.6 | 1079.3 |
| 7412.6 | 65°   | 2871.6 | 948.0  | 932.8  | 923.1  | 934.2  | 975.6  | 1008.8 | 967.3  | 985.3  | 1012.9 |
| 6683.0 | 67.5° | 2465.3 | 854.0  | 812.6  | 823.6  | 858.2  | 880.3  | 923.1  | 876.1  | 891.3  | 938.3  |
| 5382.6 | 70°   | 1994.1 | 735.2  | 697.9  | 729.7  | 762.8  | 808.4  | 815.3  | 783.5  | 819.5  | 872.0  |
| 3284.8 | 72.5° | 1410.9 | 615.0  | 588.7  | 653.6  | 664.7  | 724.1  | 708.9  | 693.7  | 743.5  | 761.4  |
| 1623.8 | 75°   | 978.4  | 496.1  | 480.9  | 530.7  | 570.7  | 621.9  | 610.8  | 628.8  | 733.8  | 742.1  |
| 811.2  | 77.5° | 619.1  | 385.6  | 375.9  | 407.7  | 462.9  | 519.6  | 537.6  | 742.1  | 1253.4 | 1303.2 |
| 421.5  | 80°   | 359.3  | 287.4  | 276.4  | 301.3  | 349.6  | 402.1  | 518.2  | 910.7  | 826.4  | 816.7  |
| 189.3  | 82.5° | 200.4  | 197.6  | 183.8  | 190.7  | 233.5  | 290.2  | 732.4  | 641.2  | 521.0  | 537.6  |
| 76.0   | 85°   | 94.0   | 116.1  | 99.5   | 95.4   | 131.3  | 340.0  | 489.2  | 366.2  | 243.2  | 237.7  |
| 16.6   | 87.5° | 24.9   | 22.1   | 22.1   | 24.9   | 55.3   | 293.0  | 194.9  | 156.2  | 92.6   | 89.8   |
| 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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