

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: P945336

Luminaire Tested: **GLAN-SB1B-827-U-AFL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-827-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4176 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

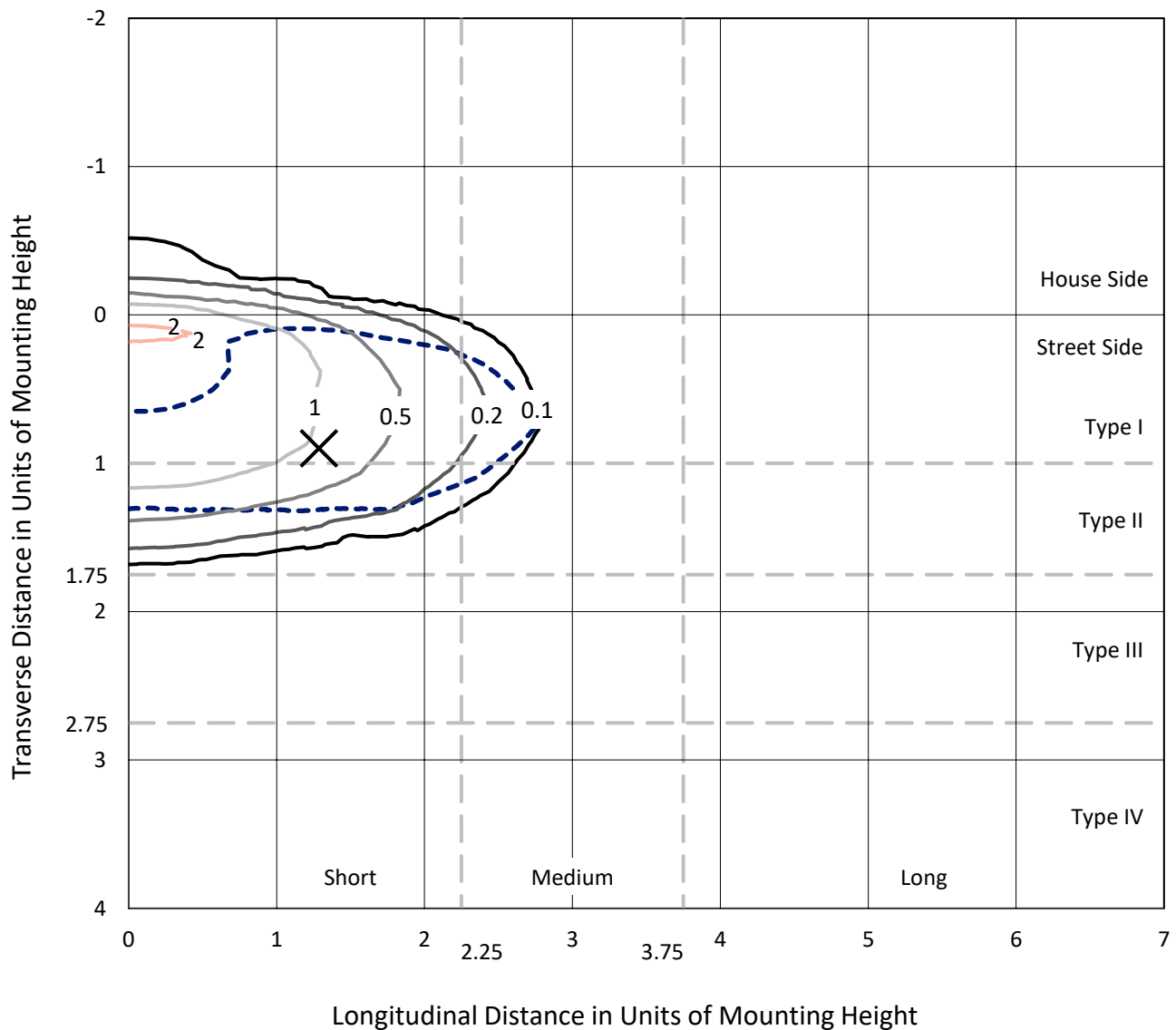
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

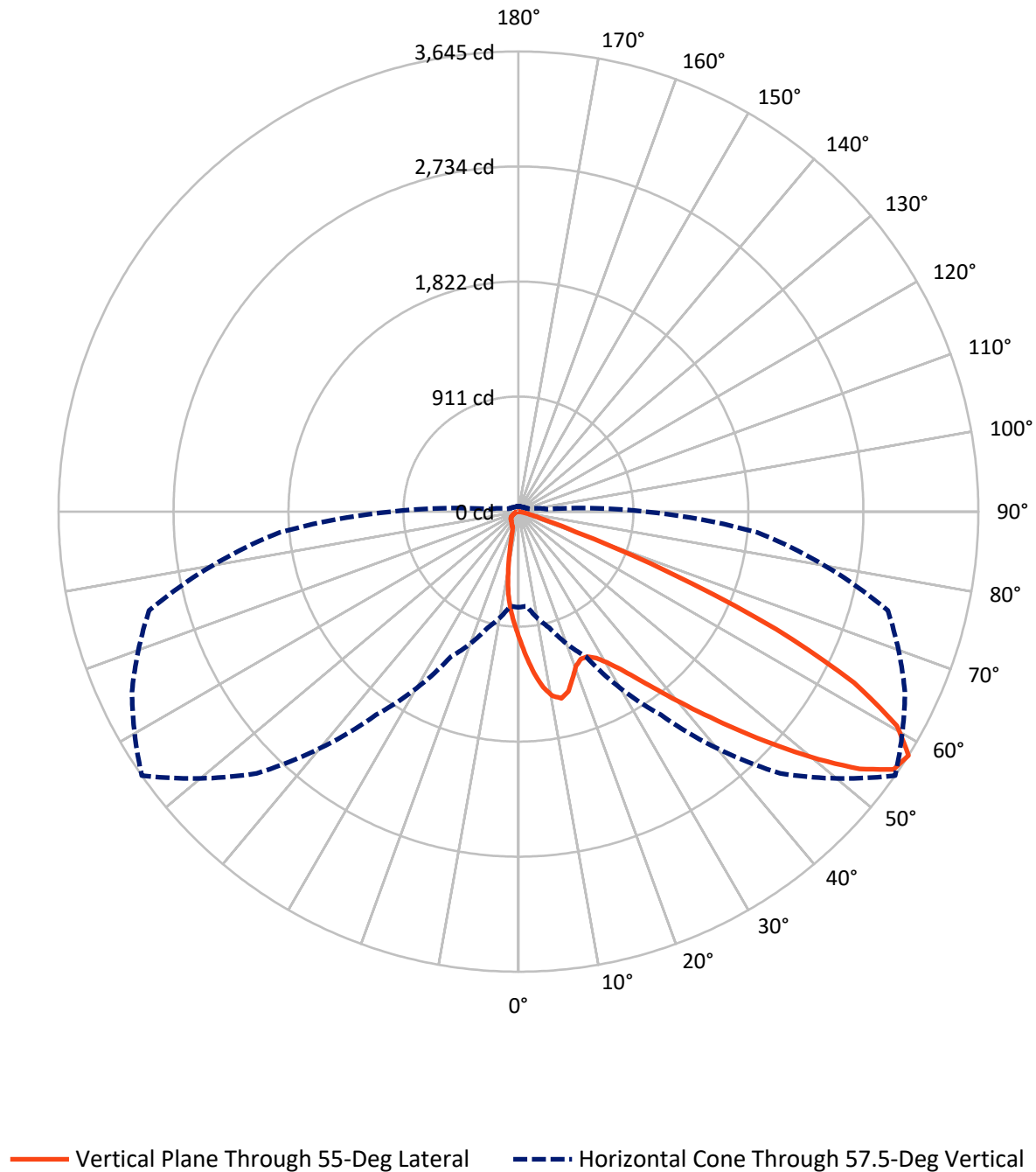
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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    | 326.1    | 0.0    | 326.1  |
|                    | % Fixture | 7.8      | 0.0    | 7.8    |
| <b>Street Side</b> | Lumens    | 3849.9   | 0.0    | 3849.9 |
|                    | % Fixture | 92.2     | 0.0    | 92.2   |
| <b>Total</b>       | Lumens    | 4176.0   | 0.0    | 4176.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.6   | 2.2       |
| 10°-20°   | 226.2  | 5.4       |
| 20°-30°   | 361.9  | 8.7       |
| 30°-40°   | 612.5  | 14.7      |
| 40°-50°   | 1005.6 | 24.1      |
| 50°-60°   | 1105.2 | 26.5      |
| 60°-70°   | 633.9  | 15.2      |
| 70°-80°   | 129.5  | 3.1       |
| 80°-90°   | 7.6    | 0.2       |
| 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°    | 4176.0 | 100.0     |
| 0°-180°   | 4176.0 | 100.0     |

**Coefficient of Utilization**



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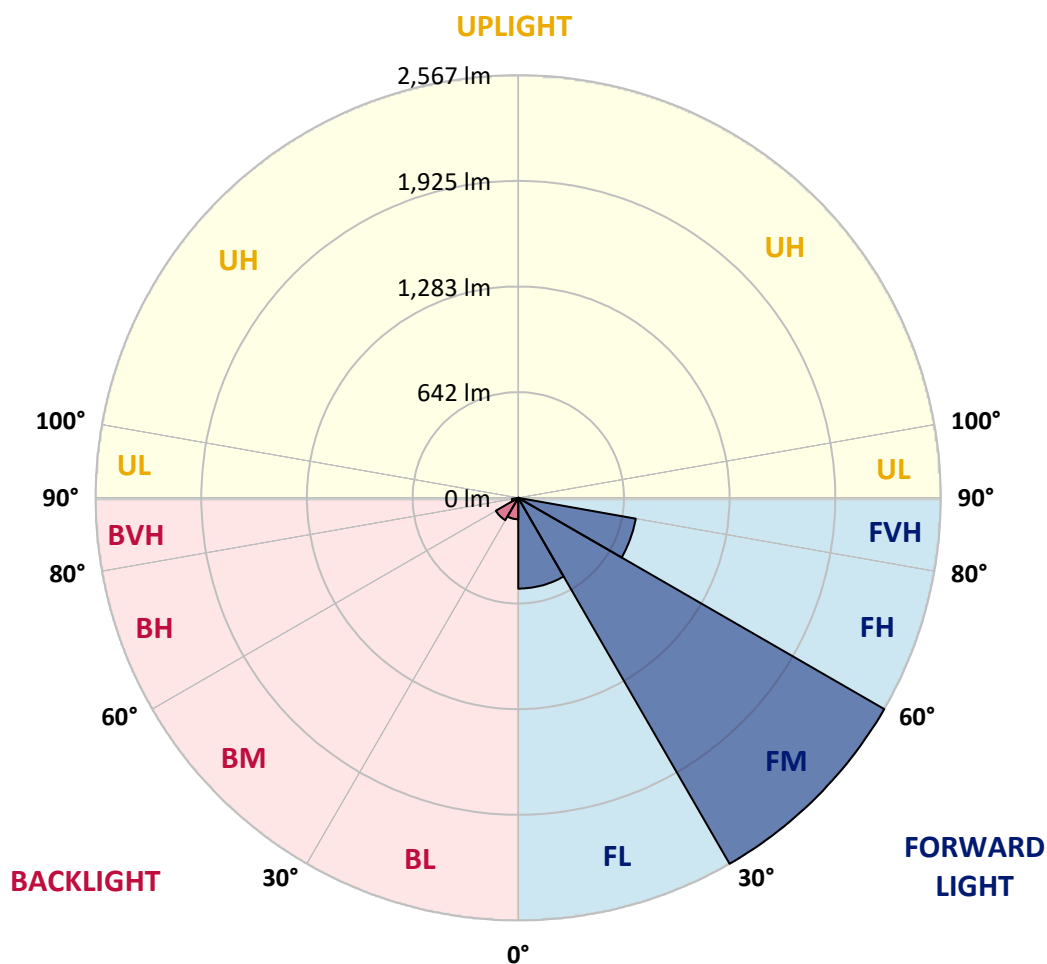
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 551.5  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 2566.6 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 724.7  | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 7.1    | 0.2       |                         |      | G0/10   |
| BL   | (0°-30°)    | 130.2  | 3.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 156.6  | 3.8       | B0/220                  |      |         |
| BH   | (60°-80°)   | 38.8   | 0.9       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.5    | 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-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 |
| 2.5°  | 1248.6 | 1232.9 | 1230.6 | 1227.5 | 1197.6 | 1175.2 | 1142.8 | 1107.3 | 1067.3 | 1026.7 |
| 5°    | 1442.5 | 1430.2 | 1427.8 | 1413.4 | 1379.4 | 1341.3 | 1283.6 | 1210.8 | 1136.4 | 1048.8 |
| 7.5°  | 1480.1 | 1477.8 | 1488.4 | 1487.8 | 1483.2 | 1453.1 | 1404.4 | 1317.6 | 1205.9 | 1076.1 |
| 10°   | 1312.5 | 1318.4 | 1349.8 | 1377.4 | 1451.8 | 1495.0 | 1484.5 | 1412.9 | 1277.5 | 1107.3 |
| 12.5° | 1159.8 | 1152.8 | 1175.2 | 1206.4 | 1292.9 | 1421.7 | 1517.7 | 1492.5 | 1359.3 | 1142.5 |
| 15°   | 1064.0 | 1061.2 | 1073.8 | 1088.2 | 1154.1 | 1283.9 | 1479.1 | 1557.1 | 1438.1 | 1184.2 |
| 17.5° | 1033.4 | 1031.0 | 1034.9 | 1038.5 | 1081.2 | 1181.7 | 1387.2 | 1596.8 | 1513.6 | 1231.9 |
| 20°   | 1058.3 | 1055.2 | 1054.7 | 1051.9 | 1069.7 | 1138.2 | 1304.0 | 1599.6 | 1581.3 | 1275.1 |
| 22.5° | 1131.2 | 1127.6 | 1115.0 | 1103.6 | 1105.2 | 1144.1 | 1266.9 | 1571.3 | 1632.3 | 1315.6 |
| 25°   | 1263.3 | 1257.4 | 1231.1 | 1193.0 | 1168.8 | 1185.3 | 1272.6 | 1533.9 | 1681.0 | 1347.2 |
| 27.5° | 1428.6 | 1420.9 | 1387.2 | 1330.5 | 1275.1 | 1255.1 | 1313.5 | 1508.2 | 1721.4 | 1371.4 |
| 30°   | 1590.6 | 1580.5 | 1547.3 | 1503.3 | 1422.4 | 1359.1 | 1387.4 | 1519.5 | 1769.5 | 1396.7 |
| 32.5° | 1765.4 | 1755.9 | 1711.9 | 1657.3 | 1590.3 | 1505.1 | 1488.6 | 1574.9 | 1828.5 | 1432.0 |
| 35°   | 1986.6 | 1971.7 | 1909.1 | 1834.7 | 1763.6 | 1677.4 | 1625.6 | 1670.4 | 1907.1 | 1485.8 |
| 37.5° | 2238.5 | 2218.4 | 2150.9 | 2048.2 | 1955.5 | 1858.9 | 1792.5 | 1801.7 | 2022.2 | 1557.9 |
| 40°   | 2475.9 | 2457.6 | 2395.3 | 2298.5 | 2182.1 | 2064.9 | 1994.1 | 1973.5 | 2181.0 | 1645.7 |
| 42.5° | 2618.3 | 2601.8 | 2575.5 | 2534.6 | 2436.5 | 2317.0 | 2227.6 | 2183.1 | 2369.0 | 1750.7 |
| 45°   | 2626.3 | 2611.8 | 2647.1 | 2694.7 | 2675.4 | 2595.9 | 2486.9 | 2405.3 | 2557.8 | 1849.4 |
| 47.5° | 2498.5 | 2488.7 | 2595.9 | 2762.2 | 2845.1 | 2878.6 | 2778.2 | 2609.0 | 2713.5 | 1920.2 |
| 50°   | 2150.4 | 2146.8 | 2367.2 | 2672.6 | 2909.8 | 3126.3 | 3085.4 | 2798.5 | 2834.3 | 1956.7 |
| 52.5° | 1864.6 | 1851.4 | 1979.9 | 2385.7 | 2815.8 | 3256.6 | 3385.6 | 2984.4 | 2918.8 | 1963.7 |
| 55°   | 1414.2 | 1402.6 | 1563.8 | 1905.8 | 2512.7 | 3210.3 | 3605.3 | 3176.3 | 2979.3 | 1945.9 |
| 57.5° | 758.6  | 751.4  | 955.1  | 1268.4 | 1964.2 | 2932.2 | 3644.9 | 3379.2 | 3030.3 | 1898.8 |
| 60°   | 295.4  | 294.1  | 370.3  | 615.4  | 1193.8 | 2385.5 | 3444.8 | 3501.0 | 3062.2 | 1840.9 |
| 62.5° | 178.7  | 182.6  | 194.9  | 276.3  | 527.4  | 1481.9 | 2983.7 | 3362.4 | 3083.6 | 1787.8 |
| 65°   | 147.8  | 148.1  | 149.6  | 189.8  | 252.6  | 620.1  | 2246.2 | 2906.7 | 3030.8 | 1693.3 |
| 67.5° | 126.7  | 129.0  | 134.9  | 150.6  | 178.2  | 271.9  | 1293.2 | 2251.6 | 2709.7 | 1473.4 |
| 70°   | 99.9   | 103.0  | 110.5  | 123.9  | 137.5  | 170.2  | 477.9  | 1498.1 | 2070.0 | 1110.6 |
| 72.5° | 84.2   | 83.9   | 87.8   | 100.7  | 109.2  | 119.7  | 183.9  | 839.5  | 1203.0 | 530.2  |
| 75°   | 65.1   | 67.7   | 72.6   | 84.2   | 89.4   | 86.8   | 99.7   | 306.7  | 431.1  | 160.7  |
| 77.5° | 51.0   | 53.0   | 57.4   | 68.8   | 73.9   | 61.5   | 57.4   | 109.7  | 138.5  | 57.7   |
| 80°   | 22.9   | 24.7   | 39.1   | 50.7   | 60.3   | 42.5   | 31.2   | 56.1   | 61.5   | 26.3   |
| 82.5° | 4.1    | 7.0    | 22.9   | 26.8   | 30.9   | 27.6   | 16.2   | 29.1   | 30.1   | 10.6   |
| 85°   | 0.3    | 0.5    | 8.0    | 9.8    | 12.4   | 9.0    | 4.9    | 11.6   | 10.0   | 3.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.3    | 0.3    | 1.3    | 1.5    | 2.1    | 1.5    | 1.3    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1006.3 | 0°    | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 | 1006.3 |
| 1008.6 | 2.5°  | 990.1  | 953.5  | 918.0  | 888.9  | 871.9  | 843.1  | 824.0  | 820.9  | 812.9  | 819.9  |
| 1011.2 | 5°    | 971.0  | 905.6  | 839.5  | 780.2  | 731.6  | 668.7  | 621.9  | 602.0  | 584.8  | 590.7  |
| 1017.9 | 7.5°  | 962.0  | 858.8  | 755.8  | 654.6  | 550.5  | 450.1  | 375.4  | 344.3  | 320.6  | 323.9  |
| 1025.4 | 10°   | 949.9  | 810.1  | 648.6  | 494.1  | 354.8  | 255.7  | 204.2  | 185.1  | 174.6  | 174.8  |
| 1036.4 | 12.5° | 940.7  | 751.9  | 524.3  | 335.0  | 216.0  | 163.3  | 147.3  | 142.7  | 139.6  | 139.8  |
| 1053.2 | 15°   | 936.0  | 683.4  | 401.4  | 223.3  | 154.5  | 138.3  | 134.4  | 132.4  | 130.3  | 130.0  |
| 1071.7 | 17.5° | 928.3  | 607.2  | 293.8  | 163.0  | 135.2  | 129.5  | 126.2  | 123.9  | 121.3  | 120.8  |
| 1087.7 | 20°   | 916.7  | 520.7  | 214.8  | 137.8  | 126.7  | 122.3  | 117.7  | 114.6  | 111.5  | 111.0  |
| 1097.7 | 22.5° | 895.3  | 429.3  | 165.1  | 127.5  | 120.5  | 115.6  | 110.0  | 106.3  | 103.3  | 102.7  |
| 1092.8 | 25°   | 855.7  | 343.5  | 139.1  | 121.0  | 115.1  | 109.2  | 103.0  | 98.1   | 95.3   | 94.8   |
| 1082.3 | 27.5° | 805.5  | 269.9  | 126.2  | 115.1  | 108.2  | 102.7  | 95.8   | 91.2   | 88.6   | 88.1   |
| 1068.4 | 30°   | 746.2  | 207.8  | 118.7  | 108.4  | 99.9   | 95.3   | 89.1   | 85.2   | 83.7   | 83.7   |
| 1058.6 | 32.5° | 682.4  | 166.1  | 115.6  | 101.7  | 92.7   | 87.6   | 82.7   | 81.1   | 80.6   | 80.3   |
| 1064.0 | 35°   | 622.4  | 144.2  | 114.1  | 96.3   | 86.3   | 81.4   | 79.3   | 79.6   | 80.6   | 80.6   |
| 1080.7 | 37.5° | 569.1  | 137.2  | 113.3  | 92.4   | 80.6   | 76.2   | 77.5   | 79.8   | 78.8   | 78.8   |
| 1110.1 | 40°   | 520.9  | 138.0  | 112.8  | 89.6   | 76.0   | 73.4   | 76.0   | 74.2   | 71.6   | 71.3   |
| 1145.9 | 42.5° | 484.1  | 144.5  | 111.8  | 87.3   | 73.1   | 71.3   | 70.3   | 67.5   | 67.2   | 67.7   |
| 1183.0 | 45°   | 457.3  | 150.1  | 111.5  | 86.3   | 70.0   | 66.7   | 65.4   | 62.6   | 67.7   | 69.0   |
| 1198.2 | 47.5° | 425.6  | 150.1  | 111.5  | 82.7   | 64.9   | 63.6   | 61.5   | 58.5   | 63.6   | 64.9   |
| 1183.7 | 50°   | 384.7  | 140.6  | 107.1  | 78.5   | 60.8   | 60.0   | 56.4   | 52.5   | 51.5   | 52.3   |
| 1150.0 | 52.5° | 332.9  | 123.3  | 96.0   | 72.9   | 56.7   | 55.1   | 50.7   | 47.9   | 47.1   | 47.1   |
| 1089.5 | 55°   | 274.0  | 103.3  | 81.1   | 64.6   | 52.3   | 49.4   | 46.4   | 45.1   | 44.3   | 43.8   |
| 1004.8 | 57.5° | 222.7  | 84.7   | 65.1   | 57.4   | 48.2   | 44.5   | 43.5   | 42.0   | 40.7   | 39.9   |
| 934.0  | 60°   | 182.8  | 66.7   | 53.8   | 51.0   | 44.0   | 40.7   | 40.4   | 38.4   | 35.0   | 34.5   |
| 875.5  | 62.5° | 141.1  | 48.9   | 45.3   | 44.3   | 39.9   | 37.1   | 36.6   | 32.4   | 27.3   | 26.3   |
| 792.6  | 65°   | 99.7   | 38.1   | 36.6   | 38.9   | 35.5   | 33.0   | 31.7   | 25.5   | 20.1   | 19.3   |
| 663.3  | 67.5° | 70.0   | 31.9   | 28.8   | 34.0   | 30.9   | 27.6   | 26.8   | 21.6   | 16.7   | 16.2   |
| 501.6  | 70°   | 50.0   | 26.0   | 23.7   | 29.1   | 24.7   | 24.2   | 22.7   | 18.0   | 13.6   | 13.1   |
| 248.2  | 72.5° | 35.3   | 19.8   | 18.3   | 25.2   | 17.0   | 20.9   | 18.5   | 13.9   | 10.3   | 9.8    |
| 84.5   | 75°   | 26.0   | 14.2   | 12.9   | 14.7   | 12.4   | 15.7   | 13.1   | 9.3    | 6.4    | 6.2    |
| 38.1   | 77.5° | 19.1   | 9.0    | 7.7    | 7.2    | 7.2    | 9.8    | 7.2    | 3.9    | 2.8    | 2.6    |
| 19.3   | 80°   | 13.4   | 4.1    | 3.6    | 3.1    | 2.8    | 2.3    | 1.0    | 0.5    | 0.3    | 0.3    |
| 6.7    | 82.5° | 8.0    | 1.8    | 1.8    | 1.3    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 2.6    | 85°   | 1.8    | 0.8    | 0.8    | 0.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 1.0    | 87.5° | 0.3    | 0.3    | 0.0    | 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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