

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: P947869

Luminaire Tested: **GLAN-SB3A-830-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-830-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

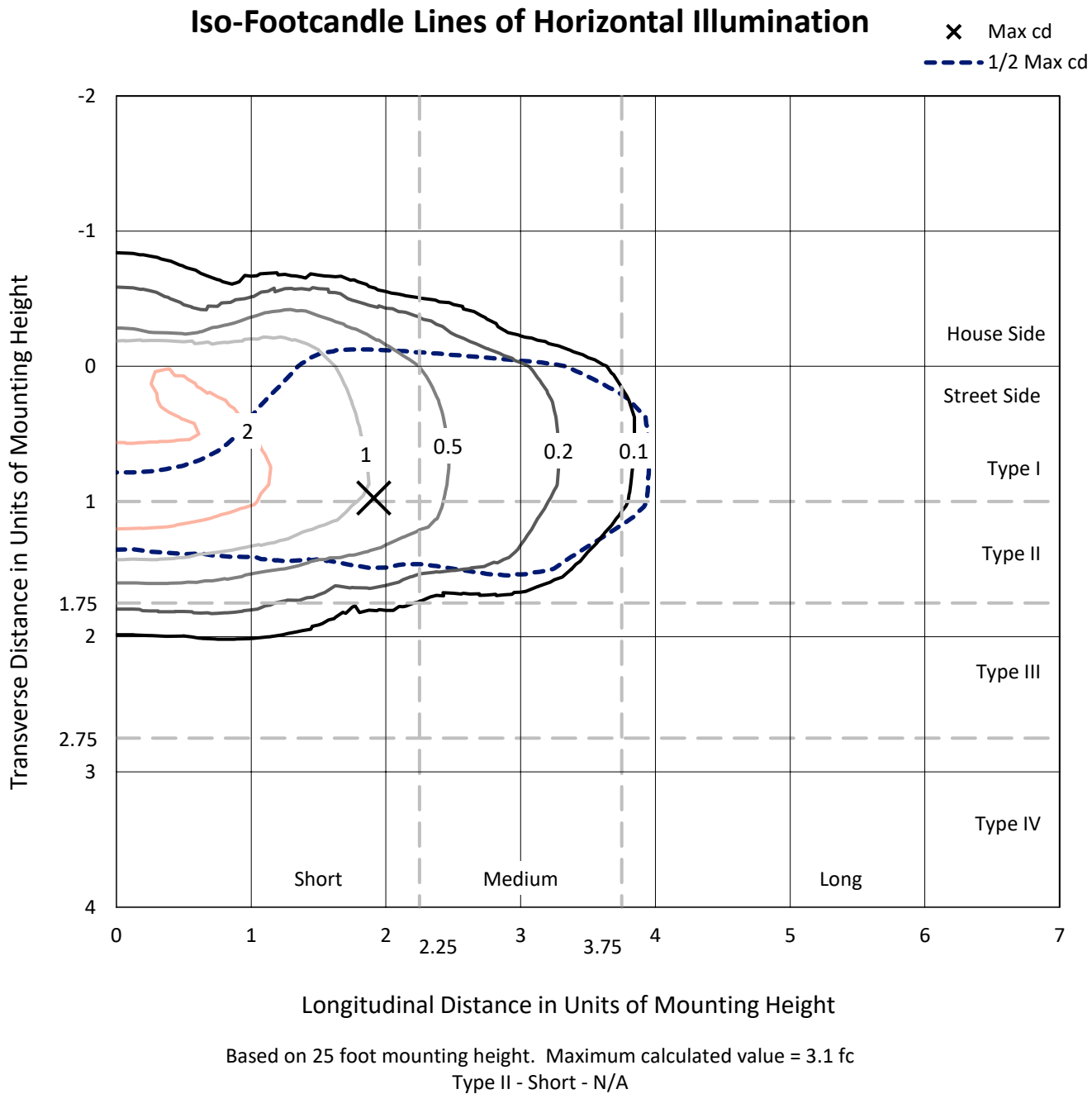
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9242 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
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

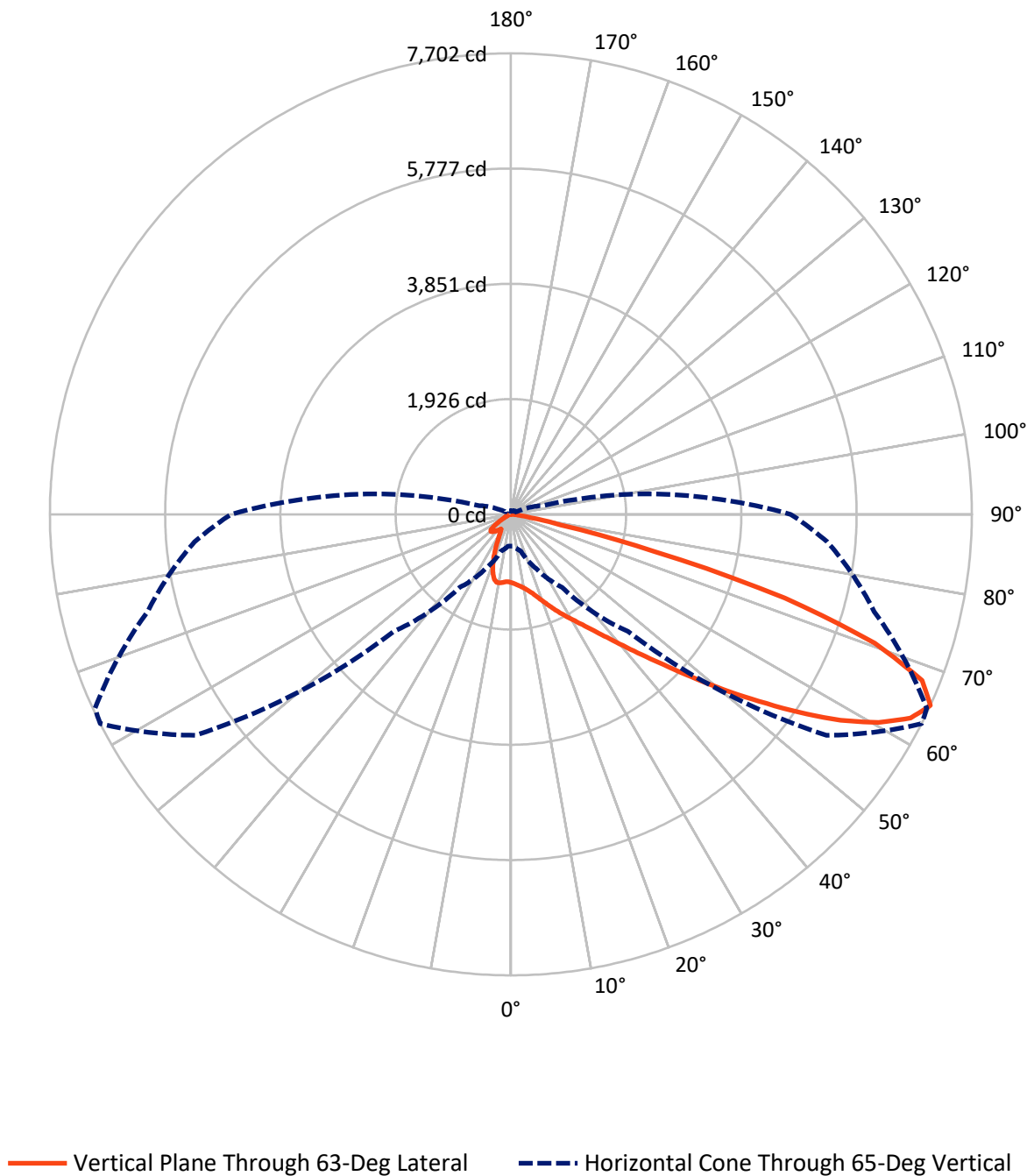


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## Luminous Intensity Polar Plot



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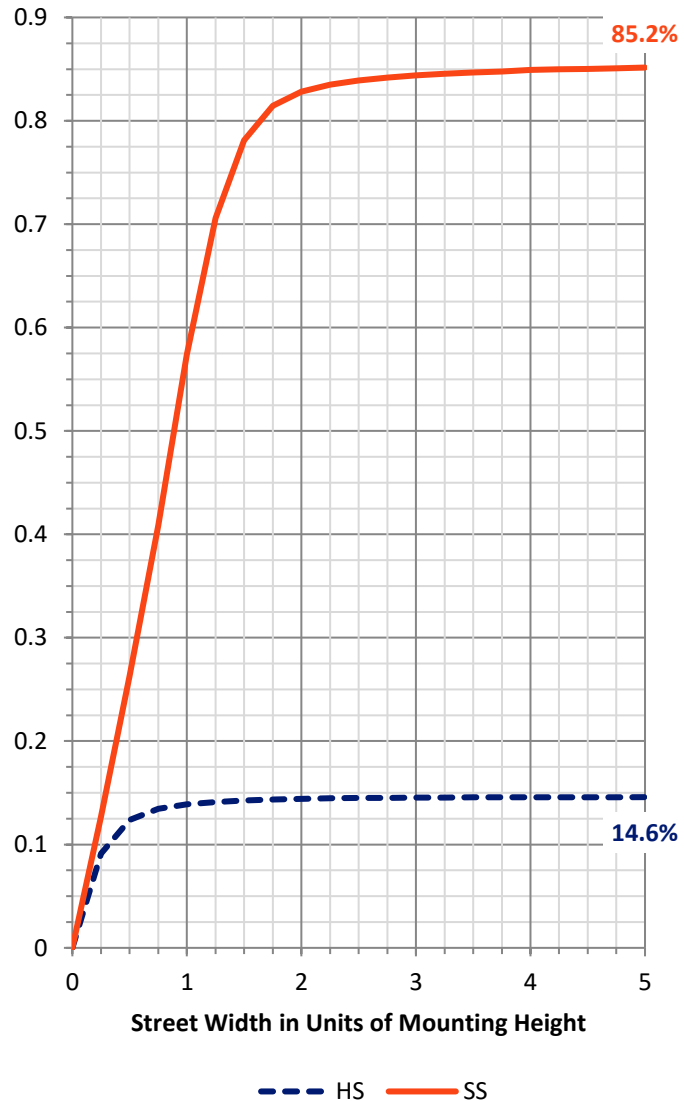
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1358.5   | 0.0    | 1358.5 |
|                    | % Fixture | 14.7     | 0.0    | 14.7   |
| <b>Street Side</b> | Lumens    | 7883.5   | 0.0    | 7883.5 |
|                    | % Fixture | 85.3     | 0.0    | 85.3   |
| <b>Total</b>       | Lumens    | 9242.0   | 0.0    | 9242.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.5  | 1.2       |
| 10°-20°   | 298.2  | 3.2       |
| 20°-30°   | 519.2  | 5.6       |
| 30°-40°   | 935.8  | 10.1      |
| 40°-50°   | 1856.1 | 20.1      |
| 50°-60°   | 2528.3 | 27.4      |
| 60°-70°   | 2018.1 | 21.8      |
| 70°-80°   | 913.2  | 9.9       |
| 80°-90°   | 65.6   | 0.7       |
| 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°    | 9242.0 | 100.0     |
| 0°-180°   | 9242.0 | 100.0     |

**Coefficient of Utilization**



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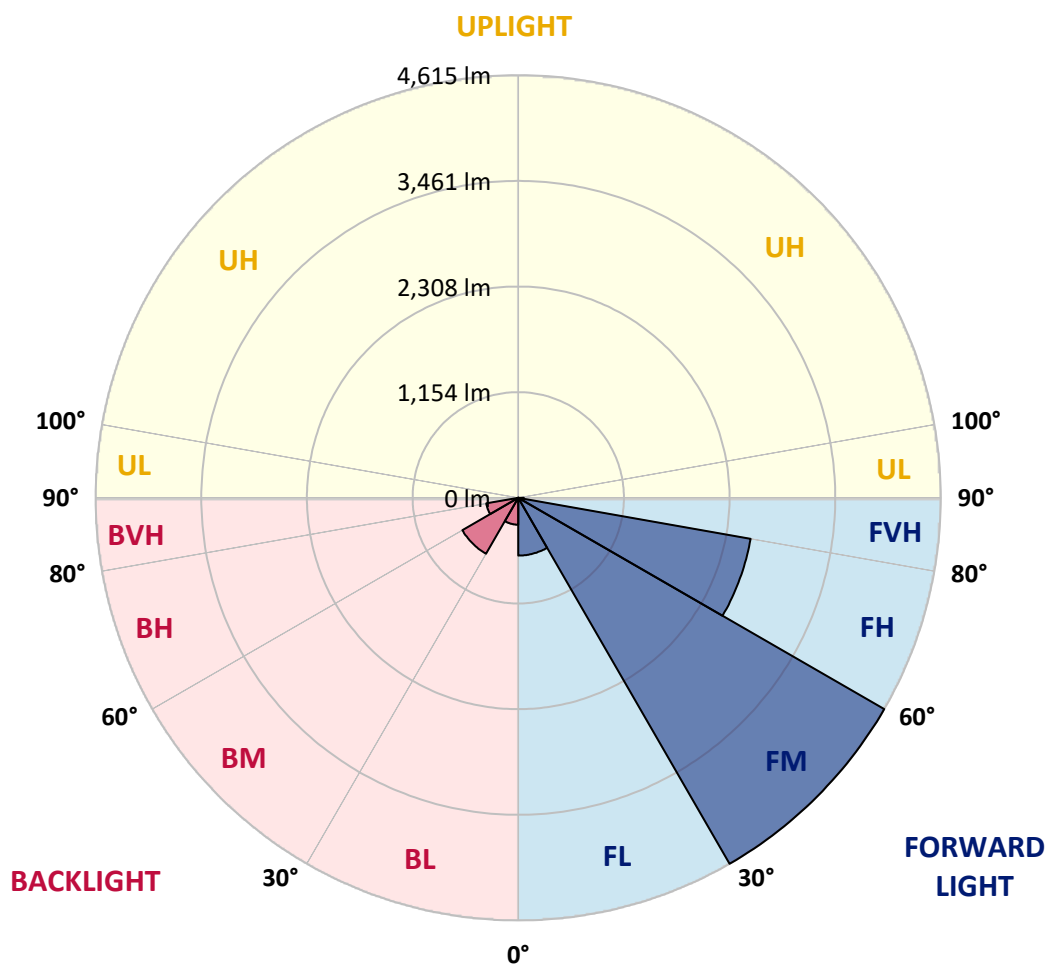
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 630.9  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 4615.2 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 2576.6 | 27.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 60.8   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 294.0  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 705.0  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 354.6  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.9    | 0.1       |                         |      | 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 II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 |
| 2.5°  | 1167.3 | 1164.2 | 1168.6 | 1166.7 | 1165.4 | 1162.9 | 1161.6 | 1160.3 | 1157.8 | 1155.9 |
| 5°    | 1170.5 | 1168.6 | 1173.1 | 1176.9 | 1180.7 | 1184.5 | 1186.4 | 1189.0 | 1186.4 | 1181.3 |
| 7.5°  | 1143.8 | 1142.5 | 1152.1 | 1163.5 | 1180.7 | 1195.3 | 1211.2 | 1220.1 | 1220.7 | 1218.8 |
| 10°   | 1141.9 | 1138.7 | 1148.3 | 1162.3 | 1184.5 | 1210.6 | 1238.6 | 1257.6 | 1260.2 | 1268.4 |
| 12.5° | 1171.8 | 1168.6 | 1182.0 | 1197.2 | 1220.1 | 1247.5 | 1281.8 | 1308.5 | 1312.3 | 1323.7 |
| 15°   | 1222.0 | 1217.6 | 1232.8 | 1252.5 | 1281.8 | 1312.9 | 1349.2 | 1373.3 | 1376.5 | 1390.5 |
| 17.5° | 1280.5 | 1276.1 | 1293.9 | 1314.8 | 1346.6 | 1389.2 | 1431.2 | 1457.9 | 1461.7 | 1470.6 |
| 20°   | 1355.5 | 1349.8 | 1363.8 | 1382.9 | 1416.6 | 1467.4 | 1517.7 | 1555.8 | 1555.2 | 1555.2 |
| 22.5° | 1442.6 | 1433.7 | 1445.8 | 1461.1 | 1492.9 | 1554.5 | 1621.3 | 1666.4 | 1666.4 | 1648.6 |
| 25°   | 1536.1 | 1527.2 | 1540.6 | 1554.5 | 1582.5 | 1652.5 | 1730.7 | 1786.6 | 1789.2 | 1758.6 |
| 27.5° | 1653.1 | 1641.7 | 1651.8 | 1668.4 | 1684.9 | 1756.1 | 1848.9 | 1913.8 | 1915.1 | 1868.0 |
| 30°   | 1878.2 | 1845.7 | 1814.0 | 1796.2 | 1803.8 | 1874.4 | 1973.5 | 2045.4 | 2051.7 | 1986.9 |
| 32.5° | 2290.2 | 2283.8 | 2171.9 | 2025.7 | 1949.4 | 2001.5 | 2112.8 | 2199.3 | 2203.1 | 2119.8 |
| 35°   | 2930.4 | 2922.8 | 2742.9 | 2464.4 | 2215.8 | 2171.9 | 2281.9 | 2384.3 | 2381.7 | 2287.6 |
| 37.5° | 3694.7 | 3687.7 | 3450.5 | 3077.9 | 2675.5 | 2429.4 | 2500.0 | 2607.4 | 2623.3 | 2500.0 |
| 40°   | 4347.6 | 4321.6 | 4171.5 | 3812.3 | 3285.8 | 2856.7 | 2810.3 | 2881.5 | 2898.0 | 2751.8 |
| 42.5° | 4842.3 | 4820.1 | 4743.8 | 4519.3 | 4024.7 | 3488.7 | 3175.9 | 3203.2 | 3221.6 | 3046.2 |
| 45°   | 5098.5 | 5093.4 | 5124.0 | 5103.0 | 4777.5 | 4264.4 | 3698.5 | 3584.7 | 3591.7 | 3372.3 |
| 47.5° | 5134.8 | 5132.2 | 5271.5 | 5468.6 | 5424.7 | 5139.2 | 4369.3 | 4060.3 | 4035.5 | 3740.5 |
| 50°   | 4921.1 | 4916.1 | 5183.1 | 5552.5 | 5857.1 | 5874.2 | 5131.0 | 4596.2 | 4541.6 | 4121.3 |
| 52.5° | 4238.9 | 4237.7 | 4676.4 | 5291.2 | 6009.0 | 6517.7 | 5883.8 | 5185.0 | 5093.4 | 4524.4 |
| 55°   | 3261.7 | 3285.2 | 3788.1 | 4514.9 | 5731.8 | 6827.3 | 6559.6 | 5838.6 | 5698.1 | 4930.0 |
| 57.5° | 2310.5 | 2344.9 | 2842.1 | 3489.3 | 4872.2 | 6644.2 | 7016.8 | 6493.5 | 6342.2 | 5334.4 |
| 60°   | 1241.1 | 1271.6 | 1769.5 | 2542.0 | 3624.7 | 5961.3 | 7257.7 | 7061.9 | 6918.8 | 5718.4 |
| 62.5° | 739.4  | 749.6  | 955.6  | 1641.0 | 2451.7 | 4554.3 | 7155.4 | 7494.9 | 7377.3 | 6040.8 |
| 65°   | 530.9  | 532.8  | 636.4  | 1002.0 | 1488.4 | 2767.0 | 6437.5 | 7702.2 | 7665.9 | 6283.7 |
| 67.5° | 447.0  | 445.7  | 488.9  | 665.7  | 1014.1 | 1386.1 | 4933.9 | 7409.1 | 7562.9 | 6437.5 |
| 70°   | 383.4  | 385.3  | 436.2  | 487.7  | 762.3  | 784.6  | 2452.9 | 6450.9 | 6779.0 | 6478.2 |
| 72.5° | 285.5  | 291.8  | 338.9  | 444.4  | 575.4  | 539.8  | 846.9  | 4783.2 | 5376.4 | 6103.7 |
| 75°   | 201.6  | 204.7  | 238.4  | 373.9  | 429.2  | 392.9  | 432.3  | 2472.7 | 3233.1 | 4679.5 |
| 77.5° | 155.1  | 160.9  | 180.6  | 261.3  | 422.8  | 275.9  | 264.5  | 855.8  | 1314.8 | 2826.8 |
| 80°   | 83.9   | 94.1   | 130.3  | 188.8  | 296.9  | 195.2  | 131.0  | 340.8  | 445.7  | 1321.8 |
| 82.5° | 43.2   | 48.3   | 90.9   | 136.1  | 169.1  | 170.4  | 64.9   | 141.8  | 183.7  | 408.2  |
| 85°   | 17.2   | 21.0   | 61.0   | 75.0   | 87.1   | 83.9   | 29.2   | 57.2   | 66.1   | 113.2  |
| 87.5° | 3.8    | 6.4    | 22.3   | 17.2   | 16.5   | 17.8   | 7.0    | 13.4   | 12.7   | 13.4   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1140.6 | 0°    | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 | 1140.6 |
| 1148.3 | 2.5°  | 1147.6 | 1145.1 | 1138.1 | 1130.5 | 1121.6 | 1116.5 | 1113.3 | 1112.7 | 1108.2 | 1105.0 |
| 1173.7 | 5°    | 1166.7 | 1164.2 | 1150.8 | 1134.9 | 1117.7 | 1104.4 | 1091.7 | 1080.2 | 1063.7 | 1060.5 |
| 1210.6 | 7.5°  | 1204.9 | 1197.9 | 1176.2 | 1154.6 | 1122.2 | 1083.4 | 1036.4 | 982.3  | 934.0  | 919.4  |
| 1259.5 | 10°   | 1251.9 | 1242.4 | 1215.0 | 1176.9 | 1105.0 | 999.5  | 885.7  | 780.1  | 696.2  | 672.7  |
| 1317.4 | 12.5° | 1305.3 | 1297.0 | 1260.8 | 1190.2 | 1033.2 | 841.8  | 667.6  | 536.6  | 455.2  | 434.9  |
| 1379.1 | 15°   | 1368.9 | 1356.8 | 1306.6 | 1169.9 | 904.8  | 639.6  | 458.4  | 380.8  | 351.6  | 347.8  |
| 1449.6 | 17.5° | 1436.3 | 1416.6 | 1347.3 | 1096.8 | 731.8  | 454.6  | 354.1  | 331.9  | 319.2  | 315.4  |
| 1520.8 | 20°   | 1498.0 | 1472.5 | 1371.4 | 986.1  | 546.8  | 354.1  | 317.3  | 302.6  | 291.2  | 286.7  |
| 1592.1 | 22.5° | 1559.6 | 1523.4 | 1371.4 | 835.5  | 410.1  | 314.1  | 291.2  | 277.8  | 264.5  | 258.8  |
| 1668.4 | 25°   | 1623.9 | 1575.5 | 1347.3 | 667.6  | 330.0  | 288.0  | 266.4  | 251.8  | 240.3  | 233.3  |
| 1740.8 | 27.5° | 1686.2 | 1619.4 | 1292.0 | 508.6  | 293.7  | 265.1  | 243.5  | 229.5  | 218.7  | 213.6  |
| 1819.7 | 30°   | 1745.3 | 1662.6 | 1214.4 | 385.9  | 270.2  | 242.9  | 222.5  | 210.5  | 199.6  | 194.6  |
| 1922.0 | 32.5° | 1825.4 | 1717.3 | 1131.7 | 316.6  | 249.9  | 221.9  | 203.5  | 192.0  | 182.5  | 178.7  |
| 2054.9 | 35°   | 1936.7 | 1798.1 | 1060.5 | 310.9  | 232.7  | 204.7  | 186.3  | 175.5  | 165.9  | 162.8  |
| 2226.6 | 37.5° | 2094.3 | 1928.4 | 1023.0 | 349.1  | 218.7  | 189.5  | 172.3  | 160.9  | 152.0  | 149.4  |
| 2444.7 | 40°   | 2288.9 | 2105.2 | 1043.4 | 387.2  | 209.2  | 176.1  | 159.6  | 148.1  | 140.5  | 137.3  |
| 2695.2 | 42.5° | 2519.7 | 2323.2 | 1155.9 | 416.5  | 202.8  | 164.7  | 147.5  | 134.8  | 129.7  | 128.4  |
| 2979.4 | 45°   | 2784.8 | 2562.9 | 1328.2 | 447.6  | 192.6  | 153.9  | 135.4  | 125.9  | 122.1  | 121.4  |
| 3288.4 | 47.5° | 3086.2 | 2826.2 | 1527.8 | 486.4  | 182.5  | 143.7  | 125.9  | 119.5  | 116.4  | 115.1  |
| 3610.7 | 50°   | 3385.0 | 3091.3 | 1733.2 | 508.0  | 174.2  | 134.2  | 118.3  | 113.2  | 110.6  | 110.0  |
| 3951.5 | 52.5° | 3697.9 | 3364.1 | 1899.2 | 487.7  | 167.2  | 126.5  | 111.9  | 108.1  | 105.5  | 104.9  |
| 4265.6 | 55°   | 3996.0 | 3584.7 | 1927.8 | 413.9  | 153.2  | 118.9  | 104.9  | 103.0  | 99.8   | 99.8   |
| 4584.2 | 57.5° | 4252.9 | 3695.3 | 1725.6 | 303.9  | 139.2  | 107.5  | 97.9   | 96.0   | 93.5   | 92.8   |
| 4871.6 | 60°   | 4488.8 | 3663.5 | 1332.0 | 204.7  | 124.0  | 96.0   | 89.0   | 87.7   | 85.2   | 82.0   |
| 5121.4 | 62.5° | 4621.7 | 3523.6 | 911.1  | 133.5  | 108.7  | 83.9   | 78.8   | 78.2   | 72.5   | 66.1   |
| 5306.4 | 65°   | 4671.9 | 3236.3 | 568.4  | 97.3   | 90.9   | 71.8   | 68.0   | 66.8   | 58.5   | 51.5   |
| 5411.4 | 67.5° | 4628.0 | 2763.2 | 286.7  | 76.9   | 71.8   | 59.8   | 56.0   | 56.0   | 50.2   | 43.9   |
| 5405.0 | 70°   | 4452.6 | 2071.5 | 120.8  | 61.7   | 55.3   | 45.8   | 45.8   | 48.3   | 42.6   | 35.6   |
| 5124.6 | 72.5° | 4071.7 | 1393.7 | 64.2   | 47.0   | 41.3   | 32.4   | 37.5   | 39.4   | 33.7   | 26.7   |
| 4194.4 | 75°   | 3236.9 | 850.1  | 44.5   | 35.0   | 26.1   | 22.9   | 28.6   | 29.9   | 22.9   | 17.8   |
| 2875.8 | 77.5° | 2213.9 | 488.3  | 29.9   | 22.3   | 16.5   | 13.4   | 19.7   | 18.4   | 12.1   | 8.3    |
| 1108.8 | 80°   | 972.1  | 203.5  | 17.2   | 10.2   | 6.4    | 5.1    | 7.0    | 5.1    | 3.8    | 2.5    |
| 152.0  | 82.5° | 113.8  | 47.7   | 6.4    | 3.8    | 2.5    | 1.3    | 0.6    | 0.0    | 0.0    | 0.0    |
| 46.4   | 85°   | 23.5   | 5.7    | 3.2    | 1.3    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 8.3    | 87.5° | 4.5    | 1.3    | 0.6    | 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°   |
|--------|
| 1140.6 |
| 1108.2 |
| 1059.3 |
| 912.4  |
| 663.8  |
| 429.2  |
| 344.0  |
| 313.5  |
| 284.2  |
| 255.6  |
| 230.8  |
| 213.6  |
| 195.2  |
| 178.7  |
| 162.8  |
| 148.8  |
| 136.7  |
| 128.4  |
| 120.8  |
| 115.1  |
| 110.0  |
| 104.9  |
| 99.2   |
| 92.2   |
| 81.4   |
| 64.9   |
| 50.9   |
| 43.2   |
| 35.0   |
| 26.7   |
| 17.2   |
| 8.9    |
| 2.5    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |