

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: P945677

Luminaire Tested: **GLAN-SB1C-760-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-760-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6383 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 54.4  
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



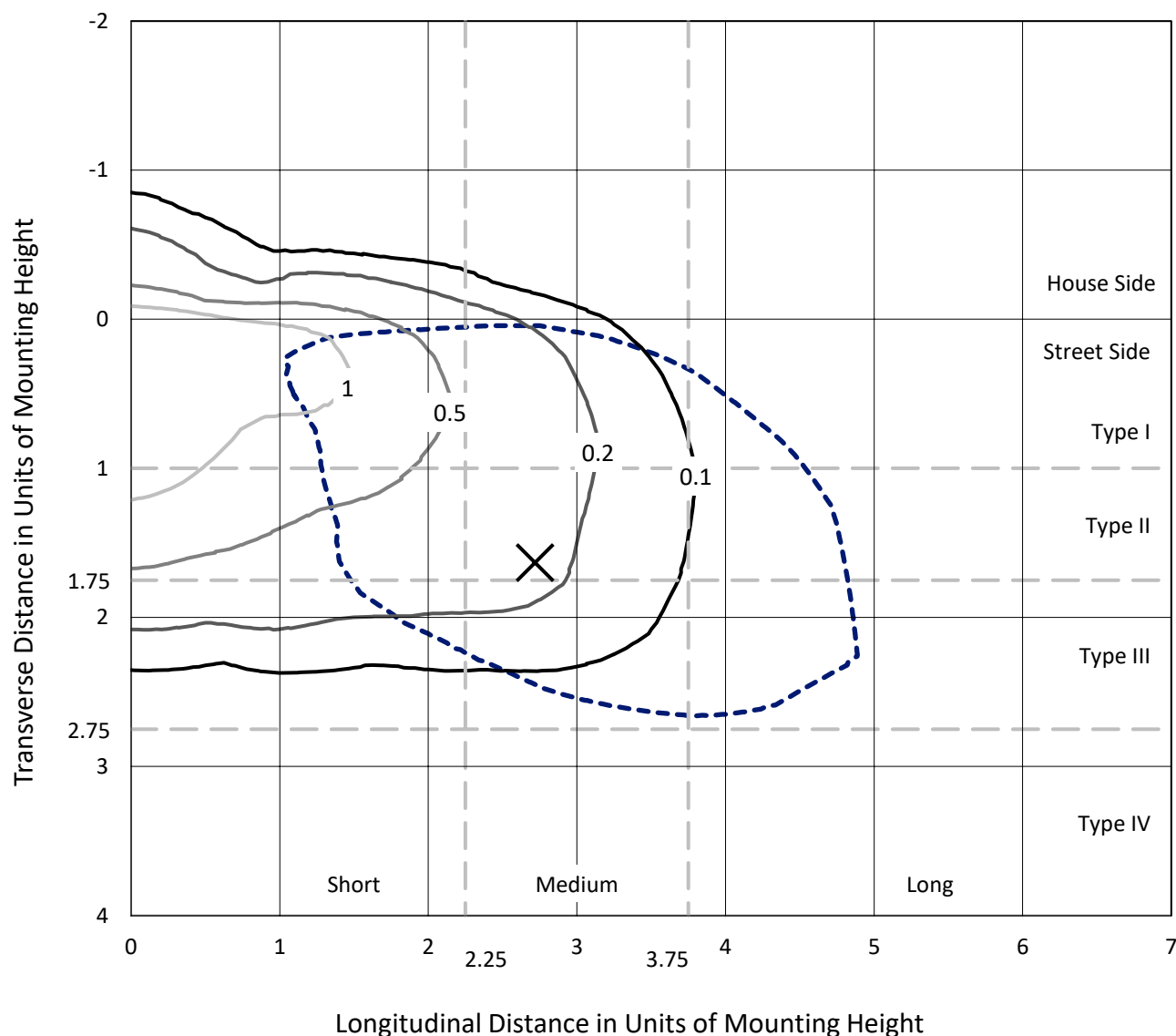
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

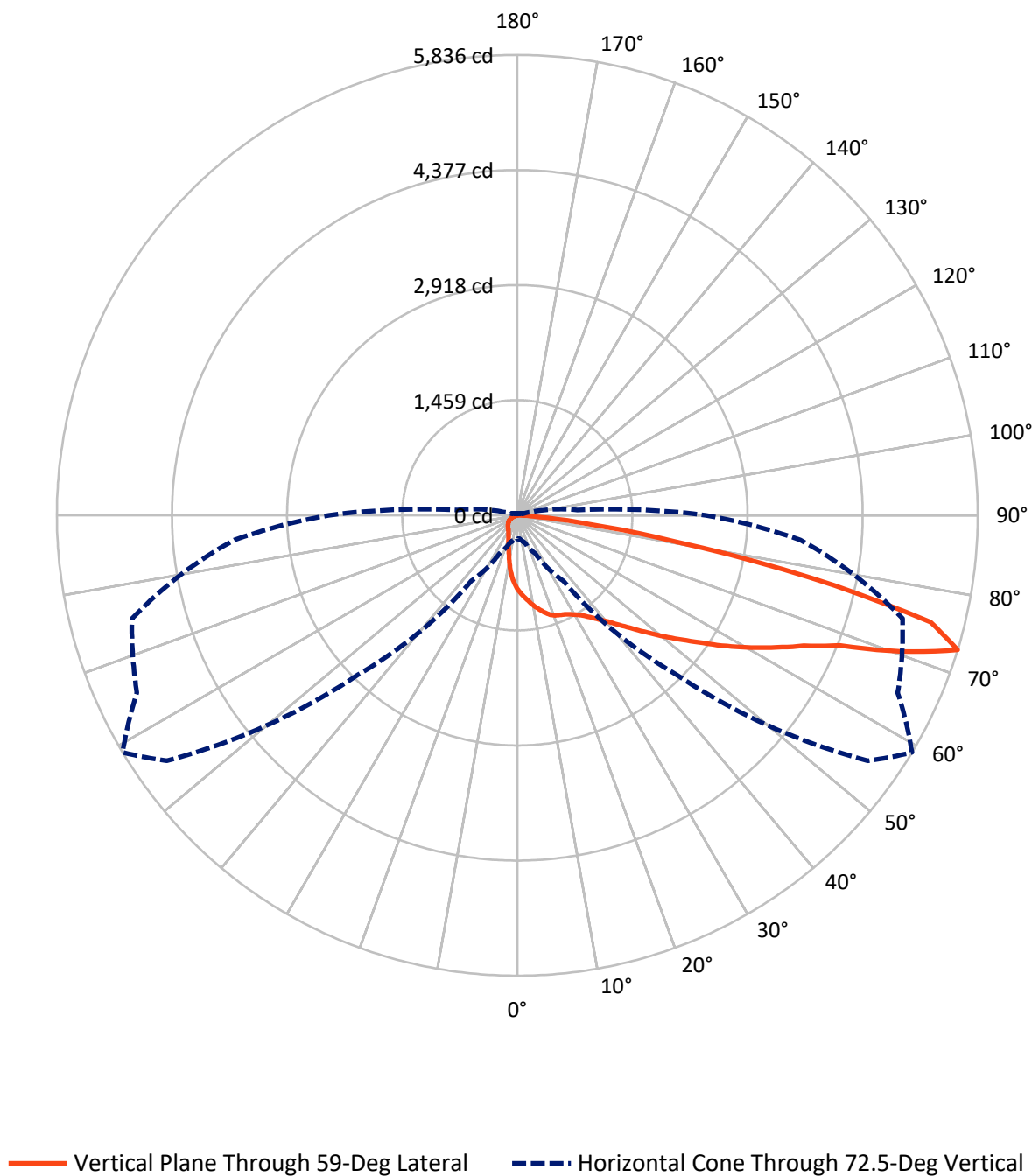
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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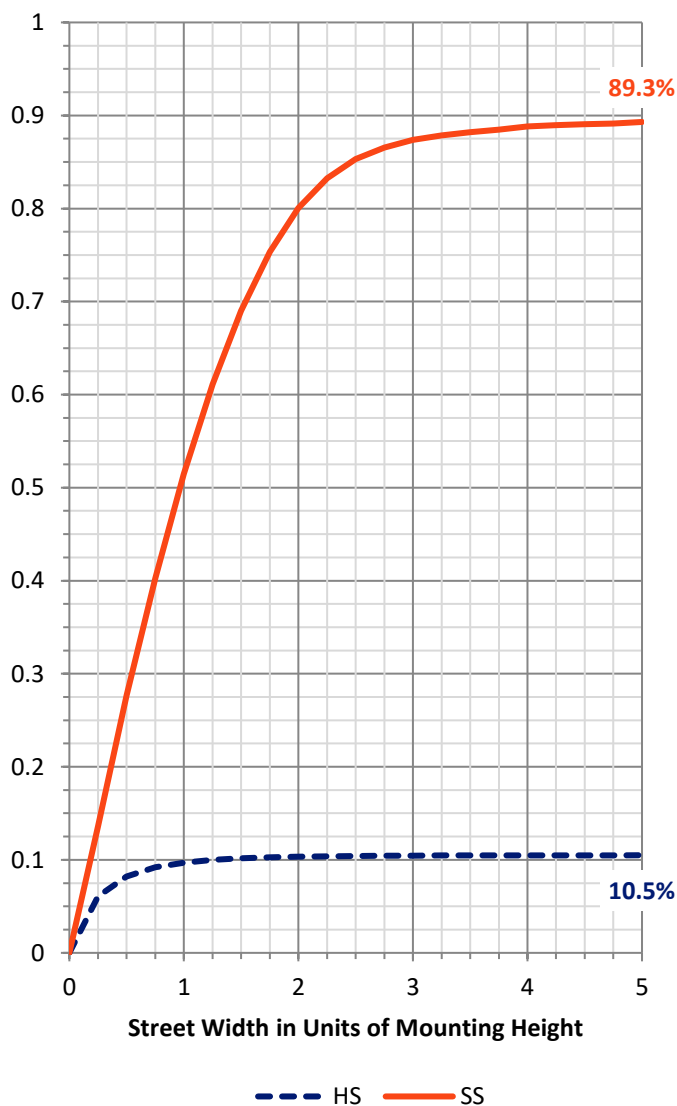
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 674.2    | 0.0    | 674.2  |
|                    | % Fixture | 10.6     | 0.0    | 10.6   |
| <b>Street Side</b> | Lumens    | 5708.8   | 0.0    | 5708.8 |
|                    | % Fixture | 89.4     | 0.0    | 89.4   |
| <b>Total</b>       | Lumens    | 6383.0   | 0.0    | 6383.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.4   | 1.3       |
| 10°-20°   | 226.8  | 3.6       |
| 20°-30°   | 359.5  | 5.6       |
| 30°-40°   | 576.9  | 9.0       |
| 40°-50°   | 921.4  | 14.4      |
| 50°-60°   | 1334.1 | 20.9      |
| 60°-70°   | 1583.3 | 24.8      |
| 70°-80°   | 1175.4 | 18.4      |
| 80°-90°   | 120.2  | 1.9       |
| 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°    | 6383.0 | 100.0     |
| 0°-180°   | 6383.0 | 100.0     |

**Coefficient of Utilization**



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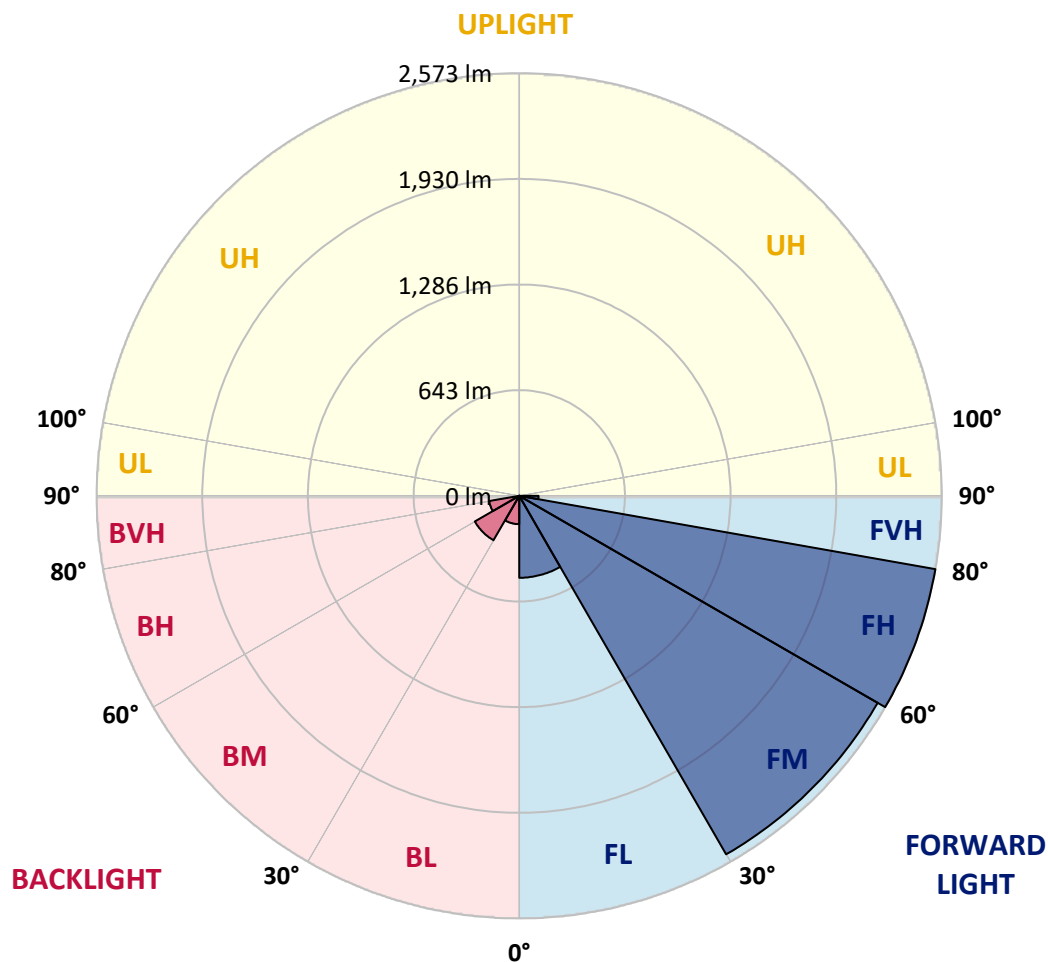
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 499.0  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 2519.9 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 2572.7 | 40.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 117.2  | 1.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 172.7  | 2.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 312.6  | 4.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 185.9  | 2.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 3.0    | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 943.9  | 943.9  | 943.9  | 943.9  | 943.9  | 943.9  | 943.9  | 943.9  | 943.9  | 943.9  |
| 2.5°  | 1047.2 | 1041.4 | 1042.2 | 1032.2 | 1025.2 | 1017.7 | 1003.1 | 1001.0 | 990.6  | 972.2  |
| 5°    | 1138.5 | 1134.8 | 1131.4 | 1120.2 | 1105.6 | 1087.2 | 1062.7 | 1053.9 | 1034.7 | 1003.1 |
| 7.5°  | 1205.2 | 1200.6 | 1202.3 | 1191.0 | 1179.3 | 1158.9 | 1125.2 | 1108.9 | 1083.5 | 1035.2 |
| 10°   | 1218.1 | 1215.6 | 1226.4 | 1230.6 | 1230.6 | 1217.7 | 1184.8 | 1168.5 | 1131.4 | 1069.7 |
| 12.5° | 1145.6 | 1146.0 | 1173.1 | 1205.6 | 1248.1 | 1260.2 | 1238.1 | 1220.6 | 1183.9 | 1106.4 |
| 15°   | 1061.0 | 1061.4 | 1087.7 | 1129.3 | 1198.9 | 1268.5 | 1286.0 | 1274.8 | 1236.9 | 1146.0 |
| 17.5° | 1010.2 | 1008.1 | 1025.6 | 1059.7 | 1132.7 | 1230.6 | 1315.2 | 1322.7 | 1291.9 | 1189.8 |
| 20°   | 1003.1 | 999.3  | 1008.5 | 1025.6 | 1077.7 | 1183.1 | 1318.5 | 1354.0 | 1348.5 | 1239.4 |
| 22.5° | 1046.4 | 1040.6 | 1035.6 | 1036.4 | 1058.5 | 1143.5 | 1310.2 | 1371.5 | 1406.9 | 1298.9 |
| 25°   | 1132.3 | 1123.1 | 1106.8 | 1086.0 | 1081.4 | 1135.2 | 1304.4 | 1390.6 | 1461.1 | 1375.2 |
| 27.5° | 1237.3 | 1224.4 | 1193.1 | 1161.8 | 1135.2 | 1158.5 | 1316.5 | 1421.0 | 1522.3 | 1464.0 |
| 30°   | 1352.7 | 1336.9 | 1305.6 | 1246.4 | 1203.9 | 1210.6 | 1345.2 | 1461.1 | 1600.7 | 1564.4 |
| 32.5° | 1522.3 | 1485.6 | 1431.1 | 1340.6 | 1284.4 | 1266.9 | 1388.5 | 1511.9 | 1697.8 | 1698.2 |
| 35°   | 1667.8 | 1647.3 | 1592.3 | 1479.8 | 1364.4 | 1341.5 | 1445.6 | 1583.6 | 1832.4 | 1875.3 |
| 37.5° | 1763.2 | 1735.3 | 1686.9 | 1602.3 | 1488.6 | 1418.1 | 1521.9 | 1671.5 | 1974.9 | 2077.0 |
| 40°   | 1869.9 | 1842.4 | 1778.2 | 1698.6 | 1632.7 | 1549.8 | 1618.2 | 1772.8 | 2131.2 | 2284.1 |
| 42.5° | 1998.6 | 1962.8 | 1887.0 | 1801.1 | 1732.3 | 1723.2 | 1744.0 | 1899.0 | 2291.6 | 2509.1 |
| 45°   | 2149.9 | 2116.2 | 2029.1 | 1920.7 | 1860.3 | 1844.0 | 1902.4 | 2046.1 | 2470.4 | 2755.8 |
| 47.5° | 2291.6 | 2252.4 | 2158.7 | 2059.9 | 1992.8 | 1941.5 | 2070.7 | 2219.9 | 2672.9 | 3013.8 |
| 50°   | 2412.0 | 2372.0 | 2286.2 | 2180.7 | 2135.3 | 2068.2 | 2236.2 | 2413.7 | 2873.8 | 3275.9 |
| 52.5° | 2494.5 | 2459.1 | 2358.3 | 2286.6 | 2255.8 | 2222.0 | 2430.0 | 2619.1 | 3073.8 | 3516.0 |
| 55°   | 2475.8 | 2444.1 | 2355.4 | 2350.4 | 2348.3 | 2383.7 | 2661.7 | 2852.1 | 3277.6 | 3743.1 |
| 57.5° | 2416.2 | 2380.4 | 2269.5 | 2345.8 | 2419.5 | 2527.9 | 2912.5 | 3127.6 | 3500.9 | 3957.3 |
| 60°   | 2240.8 | 2228.3 | 2160.7 | 2337.0 | 2449.5 | 2669.2 | 3199.2 | 3404.3 | 3742.7 | 4145.6 |
| 62.5° | 1869.5 | 1880.3 | 1879.9 | 2355.4 | 2503.7 | 2830.0 | 3459.7 | 3684.3 | 3978.9 | 4326.9 |
| 65°   | 1399.8 | 1437.3 | 1485.2 | 2190.3 | 2576.2 | 3117.1 | 3771.0 | 3988.1 | 4219.0 | 4537.8 |
| 67.5° | 940.6  | 970.6  | 1003.1 | 1796.9 | 2360.4 | 3418.9 | 4288.2 | 4404.4 | 4506.5 | 4771.6 |
| 70°   | 538.4  | 548.0  | 593.4  | 1122.3 | 1819.4 | 3335.5 | 5130.4 | 5172.5 | 4935.3 | 5059.5 |
| 72.5° | 301.7  | 298.4  | 358.4  | 532.6  | 1016.8 | 2856.3 | 5425.4 | 5835.9 | 5319.1 | 5054.9 |
| 75°   | 201.7  | 202.1  | 246.7  | 335.9  | 396.3  | 1999.5 | 4675.3 | 5411.2 | 5089.1 | 4482.3 |
| 77.5° | 137.5  | 142.1  | 181.3  | 259.6  | 183.4  | 975.6  | 3093.0 | 3790.6 | 4120.2 | 3461.4 |
| 80°   | 59.6   | 60.0   | 119.6  | 186.3  | 123.8  | 310.5  | 1603.6 | 2030.7 | 2584.1 | 1943.6 |
| 82.5° | 30.8   | 35.0   | 76.3   | 120.4  | 77.9   | 108.8  | 757.6  | 887.2  | 1084.3 | 570.5  |
| 85°   | 10.8   | 12.9   | 47.1   | 59.2   | 39.2   | 38.8   | 263.8  | 268.8  | 229.6  | 85.8   |
| 87.5° | 0.0    | 2.1    | 18.3   | 14.6   | 5.0    | 4.6    | 31.3   | 26.3   | 20.8   | 12.1   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 943.9  | 0°    | 943.9  | 943.9  | 943.9 | 943.9 | 943.9 | 943.9 | 943.9 | 943.9 | 943.9 | 943.9 |
| 953.5  | 2.5°  | 944.7  | 933.5  | 915.1 | 892.6 | 866.4 | 852.2 | 831.8 | 819.3 | 808.0 | 808.5 |
| 966.4  | 5°    | 946.0  | 927.2  | 880.6 | 831.0 | 776.0 | 735.5 | 690.5 | 658.9 | 634.7 | 628.8 |
| 979.7  | 7.5°  | 949.7  | 918.1  | 841.8 | 759.3 | 667.6 | 599.7 | 537.6 | 498.4 | 476.3 | 470.5 |
| 993.5  | 10°   | 954.7  | 908.1  | 798.0 | 671.8 | 558.0 | 476.3 | 424.6 | 399.6 | 389.6 | 382.1 |
| 1011.0 | 12.5° | 958.9  | 897.6  | 743.0 | 581.3 | 460.5 | 396.7 | 357.6 | 336.7 | 328.0 | 322.5 |
| 1031.4 | 15°   | 966.0  | 883.9  | 683.4 | 497.2 | 394.6 | 342.6 | 305.5 | 290.0 | 287.5 | 288.4 |
| 1053.9 | 17.5° | 973.1  | 870.5  | 616.8 | 431.3 | 346.3 | 295.0 | 272.5 | 270.0 | 273.4 | 276.7 |
| 1079.7 | 20°   | 981.0  | 851.4  | 549.3 | 381.7 | 301.7 | 262.1 | 256.3 | 258.0 | 259.6 | 265.5 |
| 1115.2 | 22.5° | 992.7  | 827.2  | 490.1 | 339.6 | 264.6 | 246.3 | 243.4 | 244.6 | 245.9 | 251.7 |
| 1161.8 | 25°   | 1009.3 | 801.4  | 442.2 | 300.9 | 241.3 | 233.4 | 230.5 | 230.5 | 232.1 | 237.5 |
| 1216.0 | 27.5° | 1026.8 | 764.7  | 403.4 | 265.0 | 227.5 | 219.2 | 214.2 | 214.2 | 216.3 | 222.5 |
| 1283.9 | 30°   | 1046.4 | 731.4  | 373.0 | 238.4 | 215.9 | 205.0 | 198.4 | 196.7 | 199.2 | 207.1 |
| 1382.3 | 32.5° | 1081.8 | 709.7  | 351.3 | 225.9 | 205.4 | 192.1 | 182.9 | 178.4 | 180.9 | 190.0 |
| 1519.8 | 35°   | 1135.6 | 704.7  | 336.3 | 219.6 | 195.4 | 180.4 | 167.5 | 160.4 | 162.5 | 172.1 |
| 1689.4 | 37.5° | 1198.5 | 715.1  | 321.7 | 211.3 | 185.9 | 169.2 | 152.1 | 142.9 | 146.3 | 155.0 |
| 1883.2 | 40°   | 1288.9 | 758.4  | 310.5 | 205.0 | 176.3 | 155.9 | 136.7 | 127.5 | 132.9 | 140.4 |
| 2084.9 | 42.5° | 1398.1 | 835.5  | 307.5 | 199.2 | 164.6 | 141.7 | 122.5 | 115.9 | 120.0 | 127.1 |
| 2288.7 | 45°   | 1533.6 | 933.9  | 320.9 | 191.7 | 151.7 | 127.9 | 111.3 | 107.5 | 108.8 | 115.9 |
| 2481.2 | 47.5° | 1679.0 | 1034.7 | 357.6 | 185.0 | 140.4 | 116.7 | 102.5 | 99.2  | 98.3  | 105.0 |
| 2657.1 | 50°   | 1826.1 | 1124.3 | 400.9 | 180.0 | 132.5 | 107.5 | 95.8  | 91.7  | 89.6  | 93.8  |
| 2830.8 | 52.5° | 1971.6 | 1195.6 | 429.2 | 171.7 | 124.6 | 98.3  | 90.0  | 83.8  | 80.0  | 82.1  |
| 3003.8 | 55°   | 2119.1 | 1258.1 | 430.9 | 159.2 | 117.1 | 92.5  | 84.2  | 77.1  | 72.5  | 72.5  |
| 3170.5 | 57.5° | 2257.0 | 1313.1 | 406.3 | 142.5 | 106.7 | 87.1  | 76.3  | 70.4  | 65.4  | 63.8  |
| 3318.4 | 60°   | 2379.1 | 1354.0 | 365.5 | 123.8 | 97.5  | 80.0  | 68.3  | 63.8  | 57.5  | 54.2  |
| 3450.1 | 62.5° | 2487.9 | 1374.0 | 309.6 | 104.6 | 86.3  | 71.7  | 60.8  | 55.8  | 47.5  | 43.3  |
| 3583.9 | 65°   | 2580.0 | 1353.5 | 251.3 | 86.7  | 76.7  | 62.5  | 52.1  | 47.1  | 37.9  | 32.9  |
| 3734.3 | 67.5° | 2671.2 | 1260.2 | 190.0 | 72.9  | 66.7  | 52.5  | 42.9  | 38.3  | 31.7  | 27.5  |
| 3843.9 | 70°   | 2682.9 | 1063.9 | 132.9 | 61.3  | 55.4  | 40.4  | 34.6  | 31.7  | 25.8  | 22.1  |
| 3599.3 | 72.5° | 2388.3 | 765.5  | 80.8  | 50.0  | 43.3  | 28.8  | 27.5  | 25.0  | 19.2  | 16.7  |
| 2940.9 | 75°   | 1909.0 | 469.2  | 47.5  | 37.5  | 28.8  | 20.4  | 20.4  | 17.9  | 12.9  | 10.8  |
| 2030.3 | 77.5° | 1319.4 | 245.5  | 27.9  | 24.2  | 17.1  | 12.1  | 13.3  | 10.8  | 6.3   | 5.0   |
| 804.3  | 80°   | 528.4  | 93.3   | 15.0  | 11.3  | 7.9   | 5.4   | 4.6   | 2.5   | 1.3   | 0.8   |
| 165.0  | 82.5° | 105.4  | 24.6   | 5.0   | 2.9   | 2.9   | 1.3   | 0.0   | 0.0   | 0.0   | 0.0   |
| 45.4   | 85°   | 27.1   | 5.4    | 1.3   | 0.8   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 15.0   | 87.5° | 8.3    | 0.0    | 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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| 180°  |
|-------|
| 943.9 |
| 817.6 |
| 637.6 |
| 476.3 |
| 386.7 |
| 325.5 |
| 289.6 |
| 278.0 |
| 267.1 |
| 253.4 |
| 239.6 |
| 225.0 |
| 209.2 |
| 192.5 |
| 175.0 |
| 157.5 |
| 141.7 |
| 128.4 |
| 119.2 |
| 109.2 |
| 95.4  |
| 83.8  |
| 73.3  |
| 64.2  |
| 53.3  |
| 42.9  |
| 32.9  |
| 27.5  |
| 21.7  |
| 16.3  |
| 10.8  |
| 5.0   |
| 1.3   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |