

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: P946202

Luminaire Tested: **GLAN-SB1D-935-U-SL3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946202  
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-SB1D-935-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3500K, 900mA 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: 5703 lumens  
Efficiency: N/A  
Efficacy: 71.6 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

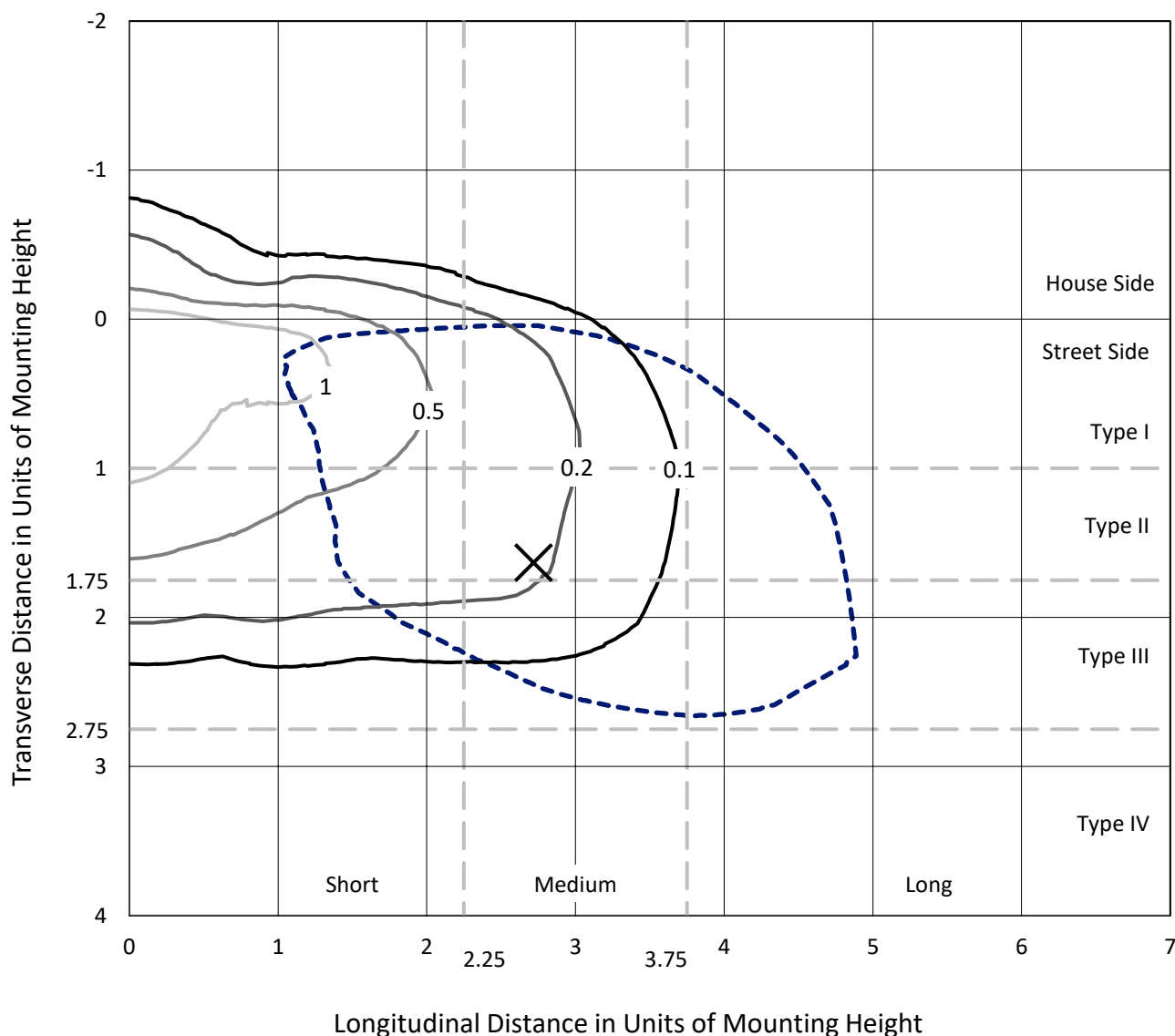
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

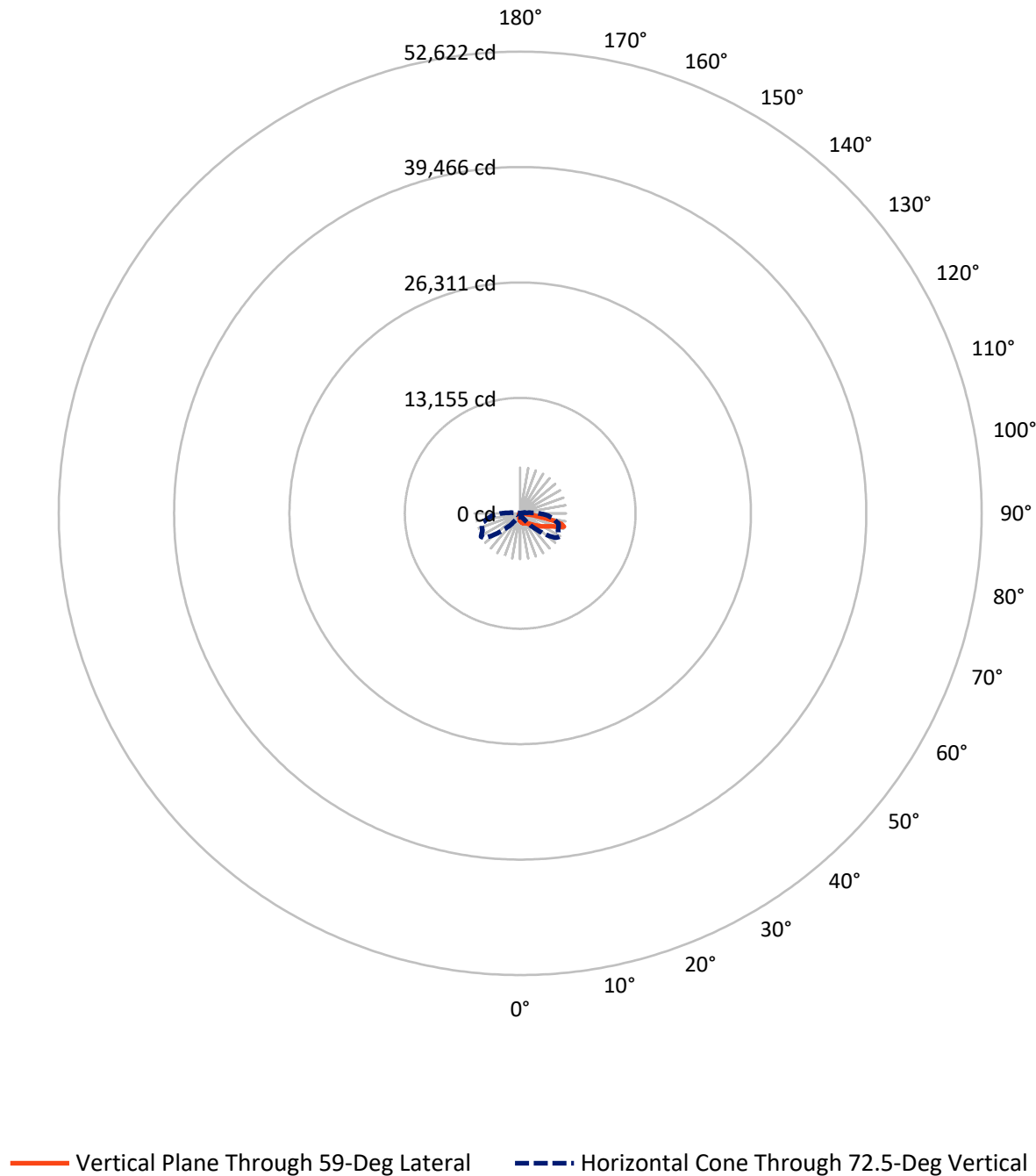
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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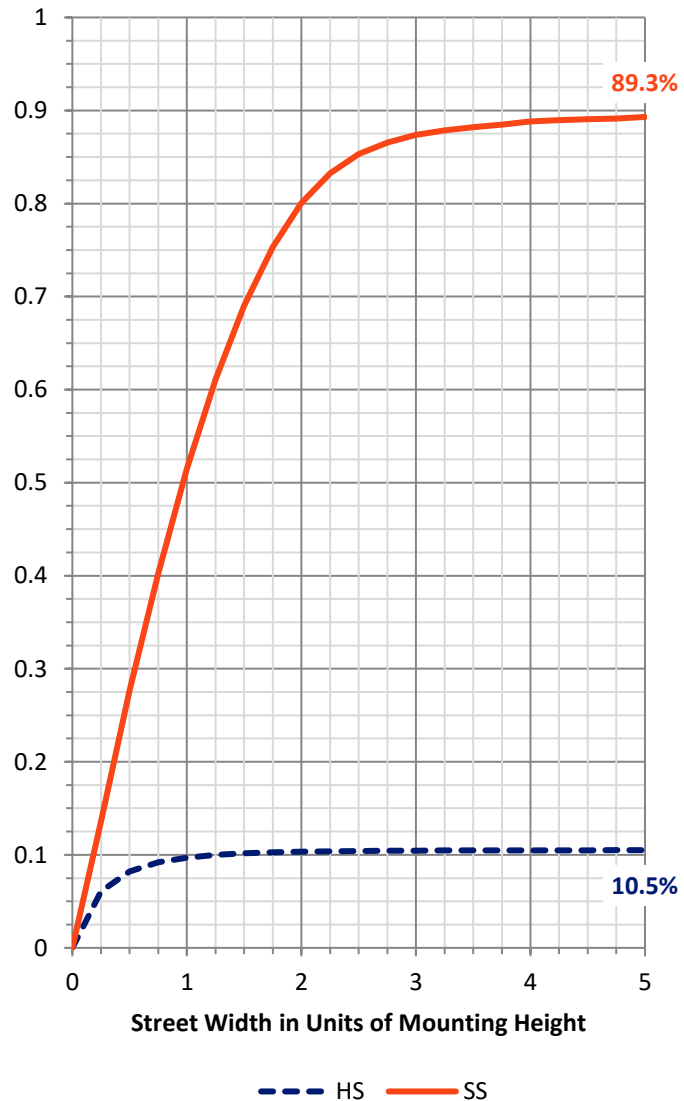
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 602.4    | 0.0    | 602.4  |
|                    | % Fixture | 10.6     | 0.0    | 10.6   |
| <b>Street Side</b> | Lumens    | 5100.6   | 0.0    | 5100.6 |
|                    | % Fixture | 89.4     | 0.0    | 89.4   |
| <b>Total</b>       | Lumens    | 5703.0   | 0.0    | 5703.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.3   | 1.3       |
| 10°-20°   | 202.7  | 3.6       |
| 20°-30°   | 321.2  | 5.6       |
| 30°-40°   | 515.5  | 9.0       |
| 40°-50°   | 823.3  | 14.4      |
| 50°-60°   | 1192.0 | 20.9      |
| 60°-70°   | 1414.6 | 24.8      |
| 70°-80°   | 1050.1 | 18.4      |
| 80°-90°   | 107.4  | 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°    | 5703.0 | 100.0     |
| 0°-180°   | 5703.0 | 100.0     |

**Coefficient of Utilization**



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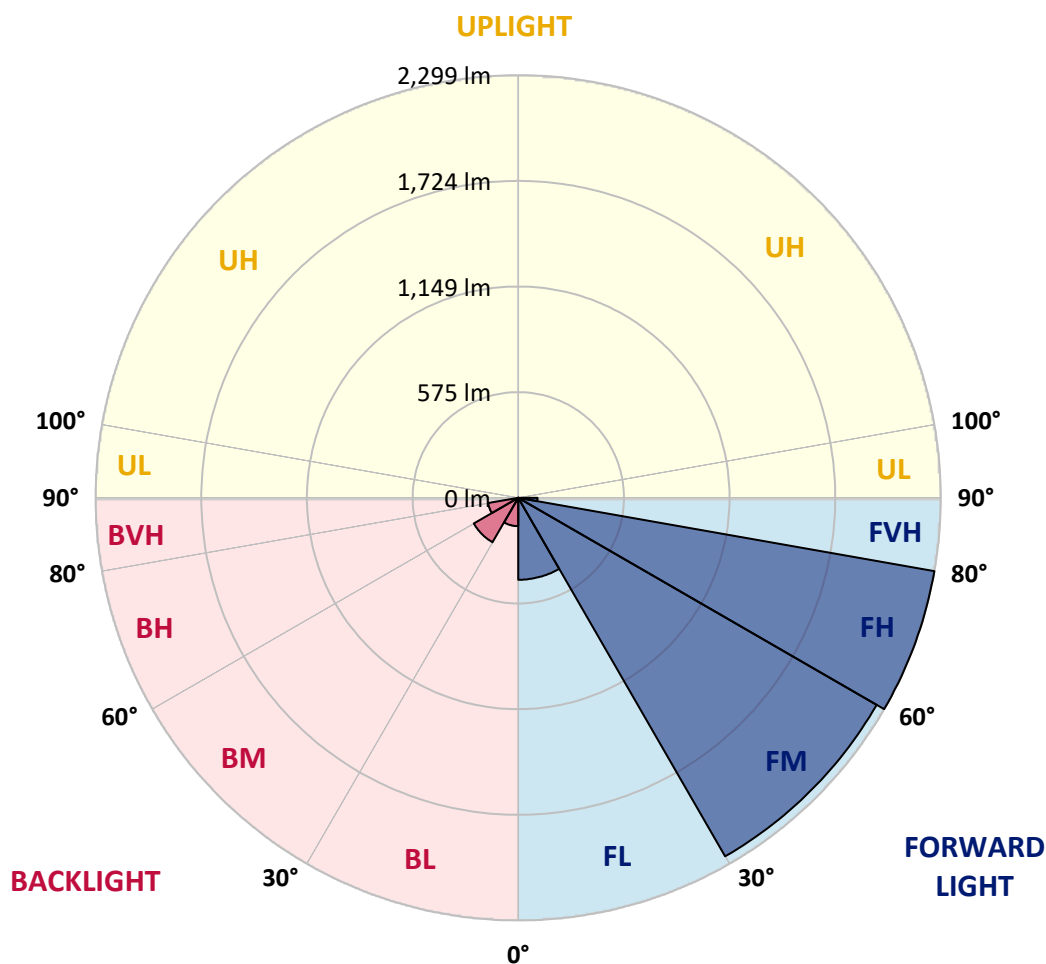
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 445.8  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 2251.5 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 2298.6 | 40.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 104.7  | 1.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 154.3  | 2.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 279.3  | 4.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 166.1  | 2.9       | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 843.3  | 843.3  | 843.3  | 843.3  | 843.3  | 843.3  | 843.3  | 843.3  | 843.3  | 843.3  |
| 2.5°  | 935.7  | 930.5  | 931.2  | 922.3  | 915.9  | 909.2  | 896.2  | 894.3  | 885.0  | 868.7  |
| 5°    | 1017.2 | 1013.9 | 1010.9 | 1000.8 | 987.8  | 971.4  | 949.5  | 941.6  | 924.5  | 896.2  |
| 7.5°  | 1076.8 | 1072.7 | 1074.2 | 1064.1 | 1053.7 | 1035.5 | 1005.3 | 990.8  | 968.1  | 924.9  |
| 10°   | 1088.3 | 1086.1 | 1095.8 | 1099.5 | 1099.5 | 1088.0 | 1058.5 | 1044.0 | 1010.9 | 955.8  |
| 12.5° | 1023.5 | 1023.9 | 1048.1 | 1077.2 | 1115.1 | 1125.9 | 1106.2 | 1090.6 | 1057.8 | 988.5  |
| 15°   | 948.0  | 948.3  | 971.8  | 1009.0 | 1071.2 | 1133.4 | 1149.0 | 1139.0 | 1105.1 | 1023.9 |
| 17.5° | 902.5  | 900.7  | 916.3  | 946.8  | 1012.0 | 1099.5 | 1175.1 | 1181.8 | 1154.2 | 1063.0 |
| 20°   | 896.2  | 892.9  | 901.0  | 916.3  | 962.9  | 1057.1 | 1178.1 | 1209.7 | 1204.9 | 1107.3 |
| 22.5° | 934.9  | 929.7  | 925.3  | 926.0  | 945.7  | 1021.7 | 1170.6 | 1225.4 | 1257.0 | 1160.6 |
| 25°   | 1011.6 | 1003.4 | 988.9  | 970.3  | 966.2  | 1014.2 | 1165.4 | 1242.5 | 1305.4 | 1228.7 |
| 27.5° | 1105.5 | 1093.9 | 1066.0 | 1038.1 | 1014.2 | 1035.1 | 1176.2 | 1269.7 | 1360.1 | 1308.0 |
| 30°   | 1208.6 | 1194.4 | 1166.5 | 1113.7 | 1075.7 | 1081.6 | 1201.9 | 1305.4 | 1430.1 | 1397.7 |
| 32.5° | 1360.1 | 1327.4 | 1278.6 | 1197.8 | 1147.5 | 1131.9 | 1240.6 | 1350.8 | 1516.9 | 1517.3 |
| 35°   | 1490.1 | 1471.8 | 1422.7 | 1322.2 | 1219.0 | 1198.5 | 1291.6 | 1414.9 | 1637.2 | 1675.5 |
| 37.5° | 1575.3 | 1550.4 | 1507.2 | 1431.6 | 1330.0 | 1267.1 | 1359.8 | 1493.4 | 1764.5 | 1855.7 |
| 40°   | 1670.7 | 1646.1 | 1588.8 | 1517.6 | 1458.8 | 1384.7 | 1445.8 | 1583.9 | 1904.1 | 2040.8 |
| 42.5° | 1785.7 | 1753.7 | 1685.9 | 1609.2 | 1547.8 | 1539.6 | 1558.2 | 1696.7 | 2047.5 | 2241.8 |
| 45°   | 1920.9 | 1890.7 | 1812.9 | 1716.1 | 1662.1 | 1647.6 | 1699.7 | 1828.2 | 2207.2 | 2462.2 |
| 47.5° | 2047.5 | 2012.5 | 1928.7 | 1840.4 | 1780.5 | 1734.7 | 1850.1 | 1983.4 | 2388.2 | 2692.7 |
| 50°   | 2155.1 | 2119.3 | 2042.6 | 1948.4 | 1907.8 | 1847.9 | 1997.9 | 2156.6 | 2567.6 | 2926.9 |
| 52.5° | 2228.8 | 2197.1 | 2107.0 | 2043.0 | 2015.4 | 1985.3 | 2171.1 | 2340.1 | 2746.3 | 3141.4 |
| 55°   | 2212.0 | 2183.7 | 2104.4 | 2100.0 | 2098.1 | 2129.8 | 2378.1 | 2548.3 | 2928.4 | 3344.3 |
| 57.5° | 2158.8 | 2126.8 | 2027.7 | 2095.9 | 2161.8 | 2258.6 | 2602.2 | 2794.4 | 3128.0 | 3535.7 |
| 60°   | 2002.0 | 1990.9 | 1930.6 | 2088.1 | 2188.6 | 2384.8 | 2858.4 | 3041.6 | 3343.9 | 3704.0 |
| 62.5° | 1670.3 | 1680.0 | 1679.6 | 2104.4 | 2237.0 | 2528.5 | 3091.1 | 3291.8 | 3555.1 | 3866.0 |
| 65°   | 1250.7 | 1284.2 | 1327.0 | 1957.0 | 2301.8 | 2785.1 | 3369.3 | 3563.2 | 3769.5 | 4054.4 |
| 67.5° | 840.4  | 867.2  | 896.2  | 1605.5 | 2108.9 | 3054.6 | 3831.3 | 3935.2 | 4026.4 | 4263.2 |
| 70°   | 481.1  | 489.6  | 530.2  | 1002.7 | 1625.6 | 2980.2 | 4583.8 | 4621.4 | 4409.6 | 4520.5 |
| 72.5° | 269.6  | 266.6  | 320.2  | 475.8  | 908.5  | 2552.0 | 4847.4 | 5214.2 | 4752.5 | 4516.4 |
| 75°   | 180.2  | 180.6  | 220.4  | 300.1  | 354.1  | 1786.5 | 4177.2 | 4834.8 | 4547.0 | 4004.8 |
| 77.5° | 122.9  | 127.0  | 162.0  | 232.0  | 163.8  | 871.6  | 2763.5 | 3386.8 | 3681.3 | 3092.6 |
| 80°   | 53.2   | 53.6   | 106.9  | 166.4  | 110.6  | 277.4  | 1432.7 | 1814.4 | 2308.8 | 1736.6 |
| 82.5° | 27.6   | 31.3   | 68.1   | 107.6  | 69.6   | 97.2   | 676.9  | 792.7  | 968.8  | 509.7  |
| 85°   | 9.7    | 11.5   | 42.1   | 52.9   | 35.0   | 34.6   | 235.7  | 240.2  | 205.2  | 76.7   |
| 87.5° | 0.0    | 1.9    | 16.4   | 13.0   | 4.5    | 4.1    | 27.9   | 23.5   | 18.6   | 10.8   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 843.3  | 0°    | 843.3  | 843.3  | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 | 843.3 |
| 851.9  | 2.5°  | 844.1  | 834.0  | 817.6 | 797.5 | 774.1 | 761.4 | 743.2 | 732.0 | 722.0 | 722.3 |
| 863.4  | 5°    | 845.2  | 828.4  | 786.7 | 742.4 | 693.3 | 657.2 | 617.0 | 588.7 | 567.1 | 561.9 |
| 875.4  | 7.5°  | 848.6  | 820.3  | 752.1 | 678.4 | 596.5 | 535.8 | 480.3 | 445.3 | 425.6 | 420.4 |
| 887.6  | 10°   | 853.0  | 811.3  | 713.0 | 600.2 | 498.6 | 425.6 | 379.4 | 357.1 | 348.1 | 341.4 |
| 903.3  | 12.5° | 856.7  | 802.0  | 663.9 | 519.4 | 411.4 | 354.5 | 319.5 | 300.8 | 293.0 | 288.2 |
| 921.5  | 15°   | 863.1  | 789.7  | 610.6 | 444.2 | 352.6 | 306.1 | 272.9 | 259.1 | 256.9 | 257.7 |
| 941.6  | 17.5° | 869.4  | 777.8  | 551.1 | 385.4 | 309.4 | 263.6 | 243.5 | 241.3 | 244.3 | 247.2 |
| 964.7  | 20°   | 876.5  | 760.7  | 490.7 | 341.1 | 269.6 | 234.2 | 229.0 | 230.5 | 232.0 | 237.2 |
| 996.4  | 22.5° | 886.9  | 739.1  | 437.9 | 303.5 | 236.4 | 220.0 | 217.4 | 218.6 | 219.7 | 224.9 |
| 1038.1 | 25°   | 901.8  | 716.0  | 395.0 | 268.8 | 215.6 | 208.5 | 205.9 | 205.9 | 207.4 | 212.2 |
| 1086.5 | 27.5° | 917.4  | 683.2  | 360.4 | 236.8 | 203.3 | 195.8 | 191.4 | 191.4 | 193.2 | 198.8 |
| 1147.2 | 30°   | 934.9  | 653.4  | 333.2 | 213.0 | 192.9 | 183.2 | 177.2 | 175.7 | 178.0 | 185.1 |
| 1235.0 | 32.5° | 966.6  | 634.1  | 313.9 | 201.8 | 183.6 | 171.6 | 163.5 | 159.4 | 161.6 | 169.8 |
| 1357.9 | 35°   | 1014.6 | 629.6  | 300.5 | 196.2 | 174.6 | 161.2 | 149.7 | 143.3 | 145.2 | 153.8 |
| 1509.4 | 37.5° | 1070.8 | 638.9  | 287.4 | 188.8 | 166.1 | 151.2 | 135.9 | 127.7 | 130.7 | 138.5 |
| 1682.6 | 40°   | 1151.6 | 677.6  | 277.4 | 183.2 | 157.5 | 139.3 | 122.1 | 113.9 | 118.8 | 125.5 |
| 1862.8 | 42.5° | 1249.2 | 746.5  | 274.8 | 178.0 | 147.1 | 126.6 | 109.5 | 103.5 | 107.2 | 113.6 |
| 2044.9 | 45°   | 1370.2 | 834.4  | 286.7 | 171.3 | 135.5 | 114.3 | 99.4  | 96.1  | 97.2  | 103.5 |
| 2216.9 | 47.5° | 1500.1 | 924.5  | 319.5 | 165.3 | 125.5 | 104.3 | 91.6  | 88.6  | 87.9  | 93.8  |
| 2374.0 | 50°   | 1631.6 | 1004.6 | 358.2 | 160.8 | 118.4 | 96.1  | 85.6  | 81.9  | 80.1  | 83.8  |
| 2529.3 | 52.5° | 1761.5 | 1068.2 | 383.5 | 153.4 | 111.3 | 87.9  | 80.4  | 74.8  | 71.5  | 73.3  |
| 2683.8 | 55°   | 1893.3 | 1124.1 | 385.0 | 142.2 | 104.6 | 82.7  | 75.2  | 68.9  | 64.8  | 64.8  |
| 2832.7 | 57.5° | 2016.6 | 1173.2 | 363.0 | 127.3 | 95.3  | 77.8  | 68.1  | 62.9  | 58.5  | 57.0  |
| 2964.9 | 60°   | 2125.7 | 1209.7 | 326.5 | 110.6 | 87.1  | 71.5  | 61.1  | 57.0  | 51.4  | 48.4  |
| 3082.6 | 62.5° | 2222.8 | 1227.6 | 276.6 | 93.5  | 77.1  | 64.0  | 54.4  | 49.9  | 42.4  | 38.7  |
| 3202.1 | 65°   | 2305.1 | 1209.3 | 224.5 | 77.4  | 68.5  | 55.9  | 46.5  | 42.1  | 33.9  | 29.4  |
| 3336.5 | 67.5° | 2386.7 | 1125.9 | 169.8 | 65.2  | 59.6  | 46.9  | 38.4  | 34.3  | 28.3  | 24.6  |
| 3434.4 | 70°   | 2397.1 | 950.6  | 118.8 | 54.7  | 49.5  | 36.1  | 30.9  | 28.3  | 23.1  | 19.7  |
| 3215.9 | 72.5° | 2133.8 | 684.0  | 72.2  | 44.7  | 38.7  | 25.7  | 24.6  | 22.3  | 17.1  | 14.9  |
| 2627.6 | 75°   | 1705.7 | 419.2  | 42.4  | 33.5  | 25.7  | 18.2  | 18.2  | 16.0  | 11.5  | 9.7   |
| 1814.0 | 77.5° | 1178.8 | 219.3  | 24.9  | 21.6  | 15.3  | 10.8  | 11.9  | 9.7   | 5.6   | 4.5   |
| 718.6  | 80°   | 472.1  | 83.4   | 13.4  | 10.1  | 7.1   | 4.8   | 4.1   | 2.2   | 1.1   | 0.7   |
| 147.4  | 82.5° | 94.2   | 22.0   | 4.5   | 2.6   | 2.6   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   |
| 40.6   | 85°   | 24.2   | 4.8    | 1.1   | 0.7   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 13.4   | 87.5° | 7.4    | 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   |

(END O



| 180°  |
|-------|
| 843.3 |
| 730.5 |
| 569.7 |
| 425.6 |
| 345.5 |
| 290.8 |
| 258.8 |
| 248.3 |
| 238.7 |
| 226.4 |
| 214.1 |
| 201.1 |
| 186.9 |
| 172.0 |
| 156.4 |
| 140.7 |
| 126.6 |
| 114.7 |
| 106.5 |
| 97.6  |
| 85.3  |
| 74.8  |
| 65.5  |
| 57.3  |
| 47.7  |
| 38.4  |
| 29.4  |
| 24.6  |
| 19.4  |
| 14.5  |
| 9.7   |
| 4.5   |
| 1.1   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |