

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: P946319

Luminaire Tested: **GLAN-SB2A-730-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946319  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-730-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6910 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 57.3  
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



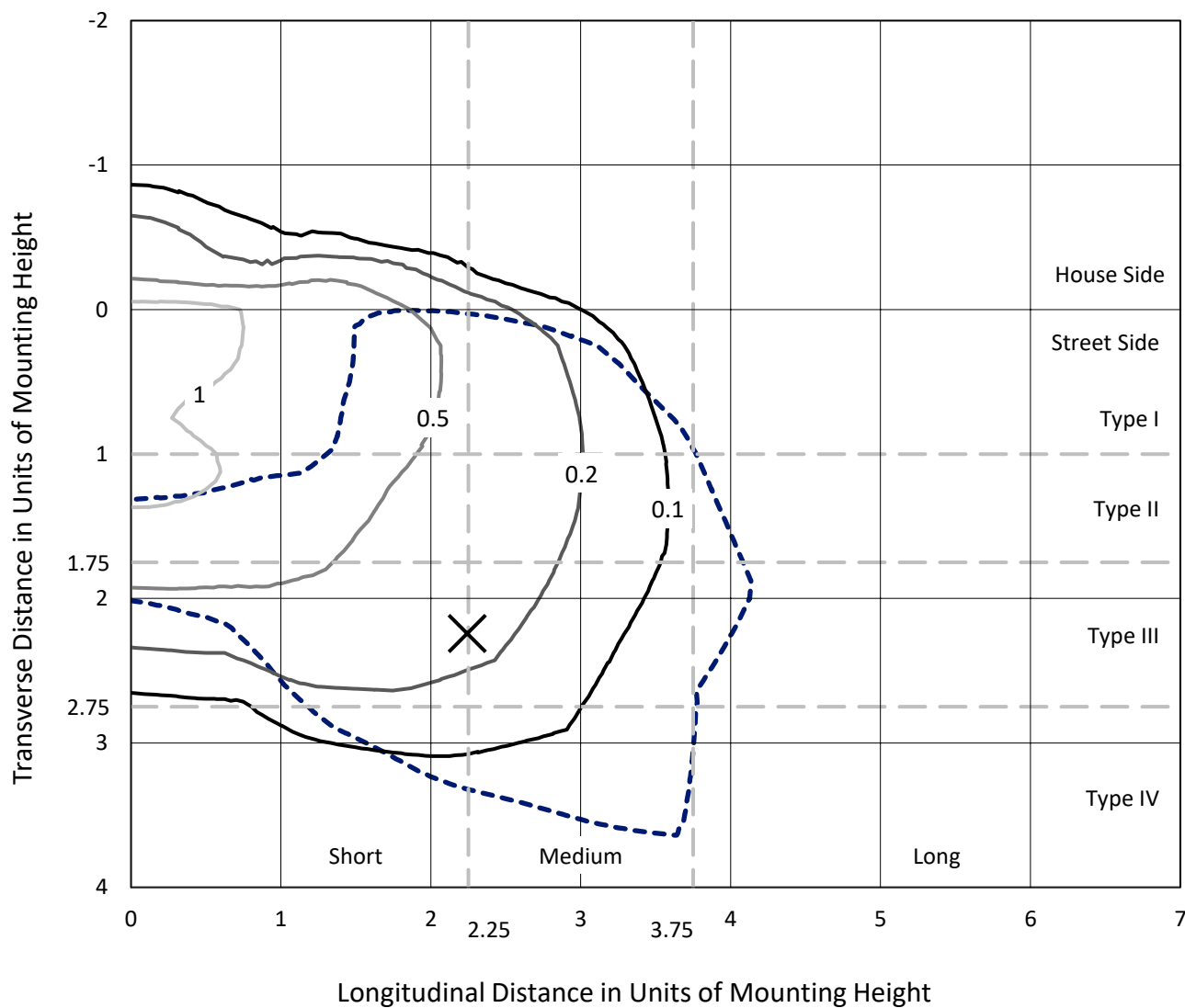
REPORT NUMBER: P946319

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

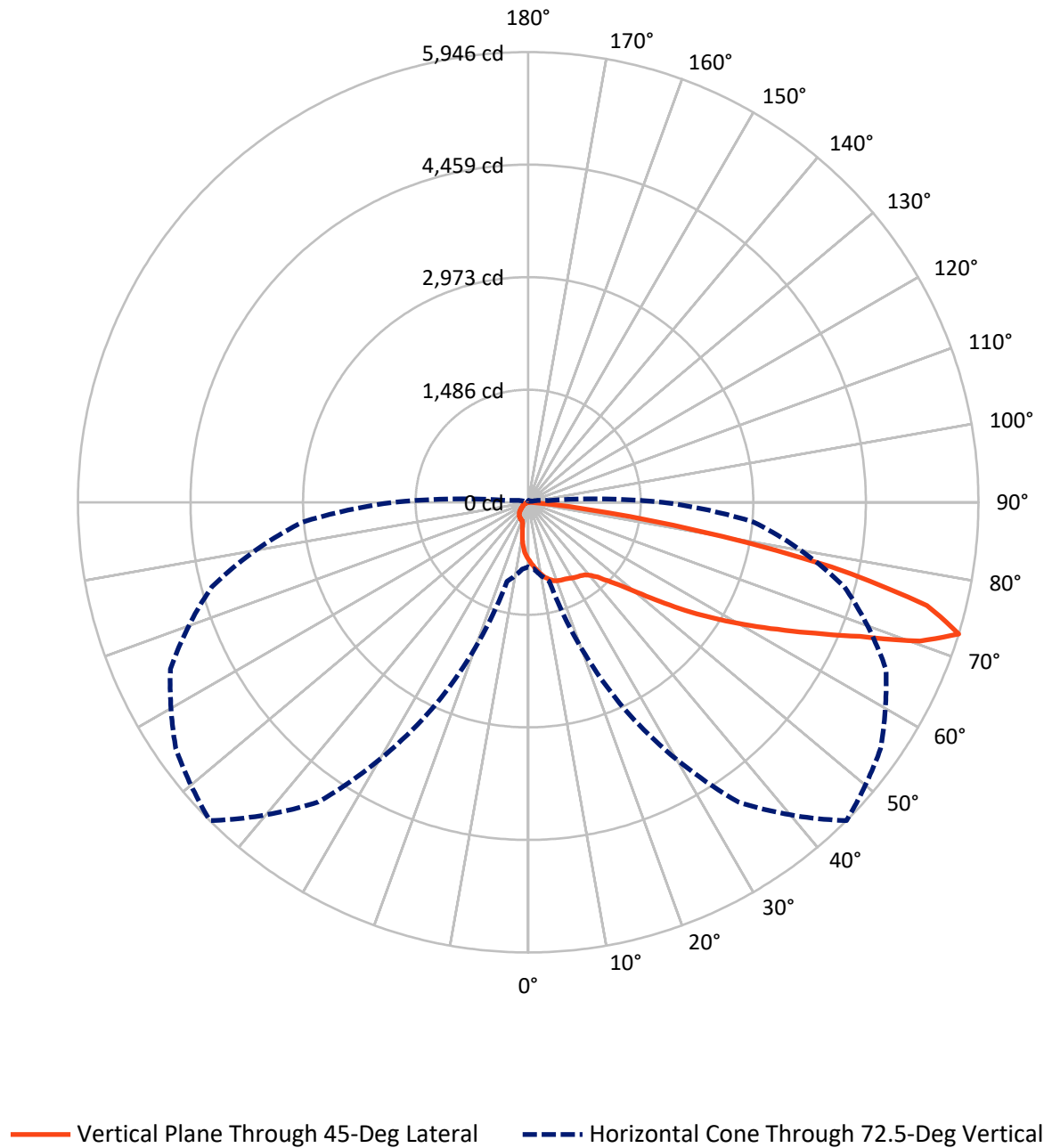
--- 1/2 Max cd



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

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## Luminous Intensity Polar Plot



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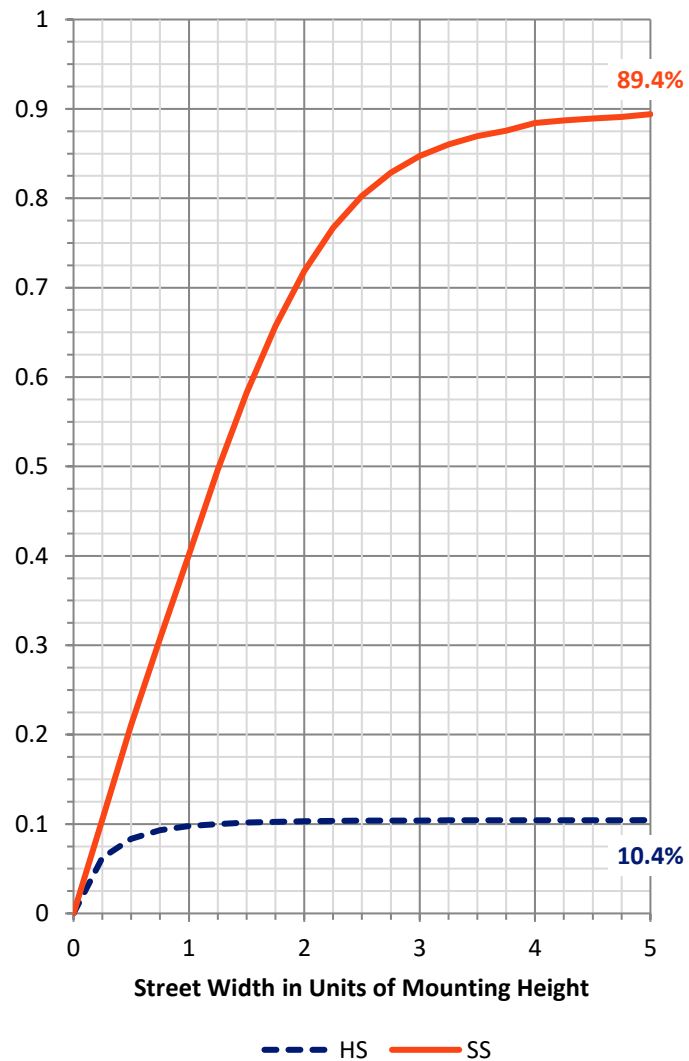
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 726.0    | 0.0    | 726.0  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 6183.9   | 0.0    | 6183.9 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 6910.0   | 0.0    | 6910.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 71.3   | 1.0       |
| 10°-20°   | 208.5  | 3.0       |
| 20°-30°   | 342.3  | 5.0       |
| 30°-40°   | 485.5  | 7.0       |
| 40°-50°   | 802.4  | 11.6      |
| 50°-60°   | 1441.5 | 20.9      |
| 60°-70°   | 2001.6 | 29.0      |
| 70°-80°   | 1451.9 | 21.0      |
| 80°-90°   | 105.0  | 1.5       |
| 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°    | 6910.0 | 100.0     |
| 0°-180°   | 6910.0 | 100.0     |

**Coefficient of Utilization**



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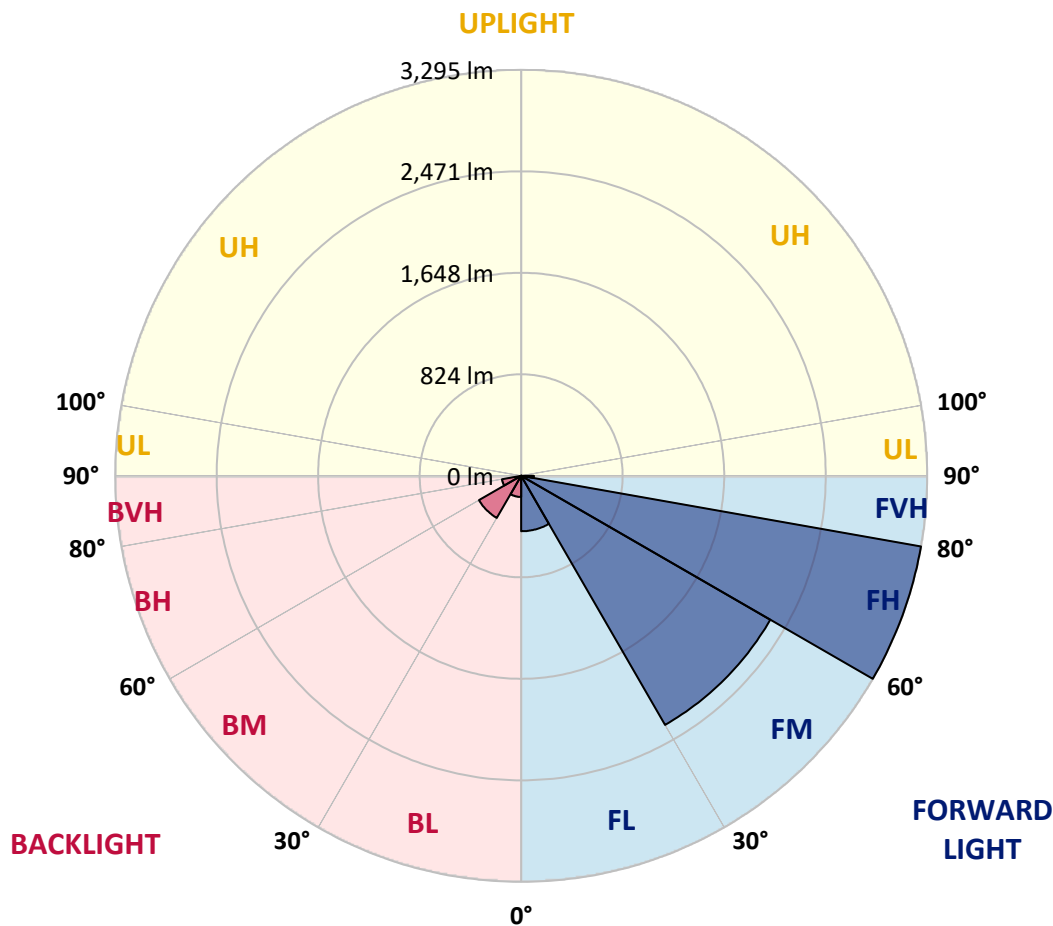
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 450.1  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 2334.6 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 3295.2 | 47.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 104.1  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 172.0  | 2.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 394.9  | 5.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 158.3  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.9    | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 46°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 757.0  | 757.0  | 757.0  | 757.0  | 757.0  | 757.0  | 757.0  | 757.0  | 757.0  | 757.0  |
| 2.5°  | 826.8  | 828.2  | 827.3  | 821.6  | 812.2  | 807.0  | 804.2  | 794.7  | 788.6  | 777.8  |
| 5°    | 902.7  | 908.4  | 905.1  | 893.8  | 875.9  | 863.1  | 859.4  | 840.0  | 822.6  | 802.3  |
| 7.5°  | 983.4  | 986.2  | 980.1  | 965.5  | 941.4  | 919.7  | 916.4  | 889.5  | 861.7  | 830.6  |
| 10°   | 1053.2 | 1056.5 | 1047.1 | 1025.8 | 998.5  | 971.6  | 966.9  | 937.2  | 904.2  | 866.0  |
| 12.5° | 1111.7 | 1115.0 | 1102.7 | 1077.3 | 1047.1 | 1019.2 | 1014.5 | 983.4  | 947.1  | 904.6  |
| 15°   | 1156.0 | 1162.2 | 1145.6 | 1118.3 | 1085.7 | 1057.9 | 1055.6 | 1024.9 | 989.5  | 942.4  |
| 17.5° | 1182.0 | 1188.1 | 1172.5 | 1139.5 | 1111.7 | 1088.1 | 1085.3 | 1059.8 | 1026.8 | 981.5  |
| 20°   | 1186.2 | 1191.9 | 1175.4 | 1146.6 | 1123.5 | 1104.6 | 1103.2 | 1084.8 | 1060.8 | 1017.4 |
| 22.5° | 1173.5 | 1180.6 | 1165.5 | 1142.3 | 1126.3 | 1116.4 | 1114.5 | 1104.1 | 1090.5 | 1053.7 |
| 25°   | 1160.3 | 1165.9 | 1154.6 | 1134.3 | 1125.8 | 1124.9 | 1126.3 | 1124.4 | 1121.6 | 1090.5 |
| 27.5° | 1159.3 | 1165.5 | 1152.7 | 1133.4 | 1128.7 | 1138.6 | 1140.0 | 1148.9 | 1151.3 | 1124.0 |
| 30°   | 1167.3 | 1171.6 | 1159.3 | 1139.0 | 1136.7 | 1159.3 | 1159.8 | 1175.8 | 1179.6 | 1152.3 |
| 32.5° | 1184.8 | 1189.5 | 1177.2 | 1147.5 | 1144.2 | 1175.8 | 1177.2 | 1198.5 | 1204.6 | 1182.4 |
| 35°   | 1225.8 | 1231.5 | 1217.3 | 1171.1 | 1159.3 | 1191.4 | 1195.6 | 1220.6 | 1232.9 | 1214.5 |
| 37.5° | 1328.2 | 1311.7 | 1292.3 | 1218.8 | 1193.8 | 1215.9 | 1223.0 | 1252.2 | 1273.9 | 1252.7 |
| 40°   | 1582.4 | 1530.5 | 1470.1 | 1299.9 | 1254.1 | 1268.3 | 1273.9 | 1303.2 | 1332.9 | 1312.1 |
| 42.5° | 1964.0 | 1902.7 | 1805.5 | 1486.7 | 1345.2 | 1352.2 | 1356.5 | 1381.9 | 1423.9 | 1407.4 |
| 45°   | 2304.0 | 2281.9 | 2182.8 | 1805.5 | 1515.4 | 1480.5 | 1485.7 | 1498.9 | 1560.7 | 1554.6 |
| 47.5° | 2565.3 | 2552.6 | 2476.2 | 2171.5 | 1803.1 | 1637.6 | 1652.2 | 1658.3 | 1747.5 | 1769.2 |
| 50°   | 2766.3 | 2761.5 | 2693.1 | 2496.9 | 2179.0 | 1869.2 | 1874.4 | 1861.1 | 1994.6 | 2048.4 |
| 52.5° | 2955.9 | 2971.9 | 2921.4 | 2799.3 | 2580.4 | 2172.4 | 2171.5 | 2109.2 | 2289.4 | 2370.5 |
| 55°   | 3127.1 | 3132.7 | 3137.9 | 3107.7 | 2984.2 | 2517.7 | 2508.7 | 2406.9 | 2631.4 | 2715.3 |
| 57.5° | 3287.9 | 3290.3 | 3336.5 | 3398.3 | 3404.4 | 2888.4 | 2871.9 | 2749.7 | 3004.9 | 3064.8 |
| 60°   | 3395.9 | 3406.8 | 3504.4 | 3676.1 | 3751.1 | 3270.9 | 3262.0 | 3137.4 | 3385.1 | 3412.9 |
| 62.5° | 3240.3 | 3306.3 | 3552.5 | 3893.0 | 4078.4 | 3694.9 | 3690.7 | 3573.7 | 3785.0 | 3762.4 |
| 65°   | 2622.9 | 2734.7 | 3167.6 | 4039.7 | 4399.6 | 4168.5 | 4174.6 | 4050.1 | 4195.8 | 4122.3 |
| 67.5° | 1834.7 | 1952.6 | 2464.9 | 4051.5 | 4758.5 | 4724.6 | 4759.9 | 4564.7 | 4632.1 | 4467.0 |
| 70°   | 1268.8 | 1329.6 | 1663.1 | 3797.8 | 5038.2 | 5490.5 | 5489.6 | 5196.7 | 5066.0 | 4624.1 |
| 72.5° | 853.2  | 884.8  | 1080.1 | 3012.9 | 4832.6 | 5945.7 | 5918.3 | 5679.7 | 5212.3 | 4324.6 |
| 75°   | 359.9  | 383.0  | 500.0  | 1693.2 | 3823.2 | 5439.6 | 5365.5 | 5019.3 | 4631.2 | 3405.3 |
| 77.5° | 114.1  | 124.0  | 197.2  | 606.1  | 2105.9 | 4088.8 | 4010.5 | 3134.6 | 3104.0 | 1708.3 |
| 80°   | 54.2   | 63.2   | 110.8  | 243.4  | 828.7  | 2223.9 | 2213.0 | 1422.0 | 1335.3 | 461.3  |
| 82.5° | 23.6   | 27.8   | 61.3   | 130.2  | 370.7  | 793.3  | 809.4  | 483.9  | 400.4  | 175.0  |
| 85°   | 7.5    | 9.9    | 28.3   | 59.9   | 156.6  | 197.2  | 194.8  | 115.1  | 161.3  | 95.3   |
| 87.5° | 0.0    | 0.0    | 9.4    | 13.7   | 16.0   | 11.3   | 12.7   | 9.9    | 44.8   | 26.4   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 757.0  | 0°    | 757.0  | 757.0  | 757.0 | 757.0 | 757.0 | 757.0 | 757.0 | 757.0 | 757.0 | 757.0 |
| 766.4  | 2.5°  | 760.8  | 753.2  | 740.0 | 727.8 | 716.9 | 706.1 | 699.5 | 690.0 | 689.1 | 689.1 |
| 778.7  | 5°    | 766.0  | 753.7  | 730.1 | 705.1 | 676.4 | 649.0 | 621.6 | 595.2 | 586.7 | 580.6 |
| 798.5  | 7.5°  | 781.1  | 761.7  | 724.5 | 676.8 | 622.1 | 562.2 | 520.2 | 475.0 | 457.5 | 448.1 |
| 824.9  | 10°   | 802.8  | 776.3  | 719.7 | 636.3 | 547.6 | 466.0 | 406.1 | 357.0 | 338.2 | 330.2 |
| 853.7  | 12.5° | 826.8  | 794.3  | 711.3 | 585.8 | 466.0 | 368.4 | 309.9 | 287.2 | 284.4 | 284.4 |
| 888.1  | 15°   | 855.6  | 816.0  | 696.6 | 526.4 | 380.6 | 291.5 | 270.7 | 271.7 | 274.5 | 276.4 |
| 921.6  | 17.5° | 885.3  | 839.1  | 673.5 | 459.9 | 305.2 | 262.2 | 262.7 | 264.1 | 266.5 | 268.4 |
| 957.9  | 20°   | 917.4  | 862.2  | 642.9 | 389.1 | 261.8 | 253.8 | 255.2 | 256.6 | 258.5 | 259.4 |
| 991.9  | 22.5° | 951.8  | 883.9  | 606.5 | 319.8 | 247.1 | 246.7 | 247.1 | 248.6 | 250.9 | 250.9 |
| 1031.5 | 25°   | 988.6  | 907.9  | 565.0 | 269.3 | 239.6 | 239.6 | 240.5 | 241.5 | 243.4 | 243.4 |
| 1069.7 | 27.5° | 1026.3 | 930.1  | 521.2 | 242.9 | 233.0 | 232.5 | 232.5 | 233.9 | 234.9 | 235.4 |
| 1107.4 | 30°   | 1067.8 | 956.0  | 477.3 | 237.2 | 227.8 | 225.5 | 224.0 | 225.0 | 225.9 | 226.4 |
| 1147.1 | 32.5° | 1110.3 | 981.0  | 438.2 | 239.6 | 222.6 | 218.4 | 213.7 | 212.7 | 212.7 | 214.6 |
| 1188.1 | 35°   | 1157.4 | 1008.4 | 408.0 | 247.6 | 219.8 | 208.0 | 200.5 | 196.2 | 196.7 | 199.5 |
| 1237.1 | 37.5° | 1214.0 | 1041.4 | 385.8 | 254.7 | 217.9 | 196.2 | 183.9 | 178.8 | 175.5 | 178.8 |
| 1304.6 | 40°   | 1288.1 | 1090.0 | 369.8 | 260.4 | 215.5 | 182.5 | 166.0 | 157.5 | 151.4 | 153.3 |
| 1409.3 | 42.5° | 1397.0 | 1166.4 | 363.6 | 260.8 | 210.4 | 166.5 | 147.6 | 136.3 | 127.3 | 127.8 |
| 1566.8 | 45°   | 1549.9 | 1287.1 | 395.2 | 254.7 | 199.0 | 149.0 | 128.3 | 113.2 | 107.5 | 106.1 |
| 1802.2 | 47.5° | 1759.3 | 1463.1 | 468.4 | 242.0 | 182.5 | 132.1 | 109.4 | 96.7  | 92.4  | 90.1  |
| 2111.1 | 50°   | 2039.9 | 1689.0 | 549.5 | 227.8 | 166.0 | 116.0 | 93.9  | 85.8  | 83.0  | 80.7  |
| 2477.6 | 52.5° | 2365.3 | 1918.2 | 616.0 | 213.7 | 149.5 | 101.9 | 84.0  | 79.2  | 76.9  | 75.0  |
| 2831.3 | 55°   | 2663.9 | 2076.2 | 612.2 | 198.6 | 133.5 | 90.6  | 76.9  | 74.0  | 71.2  | 69.3  |
| 3136.0 | 57.5° | 2849.7 | 2098.4 | 504.7 | 182.1 | 115.1 | 81.6  | 70.3  | 68.4  | 65.1  | 62.7  |
| 3399.7 | 60°   | 2935.1 | 1972.0 | 353.7 | 160.4 | 96.7  | 73.1  | 63.2  | 62.3  | 58.0  | 54.7  |
| 3649.2 | 62.5° | 2950.7 | 1737.1 | 235.8 | 133.5 | 80.7  | 65.1  | 56.1  | 54.7  | 49.1  | 43.4  |
| 3852.0 | 65°   | 2887.5 | 1401.3 | 163.2 | 104.2 | 68.9  | 56.6  | 48.1  | 45.3  | 39.1  | 33.5  |
| 3900.1 | 67.5° | 2687.5 | 983.9  | 113.7 | 75.0  | 58.5  | 44.8  | 38.2  | 37.3  | 32.5  | 27.8  |
| 3654.8 | 70°   | 2321.0 | 560.8  | 75.9  | 56.1  | 46.2  | 30.7  | 30.2  | 31.1  | 26.4  | 22.6  |
| 2986.0 | 72.5° | 1779.6 | 256.6  | 47.2  | 41.0  | 31.6  | 20.8  | 24.1  | 24.5  | 20.3  | 17.0  |
| 1863.0 | 75°   | 1047.5 | 109.9  | 29.7  | 26.4  | 16.0  | 13.7  | 17.5  | 17.9  | 13.7  | 10.8  |
| 681.1  | 77.5° | 356.6  | 41.5   | 18.9  | 15.6  | 8.0   | 7.5   | 11.3  | 11.3  | 7.5   | 4.2   |
| 136.8  | 80°   | 81.1   | 15.6   | 9.4   | 6.1   | 3.8   | 3.3   | 3.8   | 3.3   | 1.9   | 0.5   |
| 42.0   | 82.5° | 23.1   | 6.1    | 3.8   | 2.4   | 1.4   | 1.4   | 0.5   | 0.0   | 0.0   | 0.0   |
| 14.6   | 85°   | 6.6    | 2.8    | 0.9   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5.2    | 87.5° | 2.8    | 0.5    | 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°  |
|-------|
| 757.0 |
| 691.4 |
| 583.4 |
| 449.5 |
| 330.2 |
| 284.4 |
| 276.4 |
| 268.4 |
| 259.9 |
| 251.9 |
| 243.8 |
| 235.8 |
| 227.3 |
| 216.0 |
| 200.9 |
| 177.8 |
| 152.3 |
| 125.9 |
| 104.2 |
| 88.7  |
| 80.2  |
| 74.5  |
| 68.4  |
| 62.3  |
| 53.8  |
| 40.6  |
| 31.6  |
| 26.4  |
| 20.8  |
| 15.1  |
| 9.4   |
| 3.3   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |

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