

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: P938876

Luminaire Tested: **GLAN-SB1A-950-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 2448 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 30.9  
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



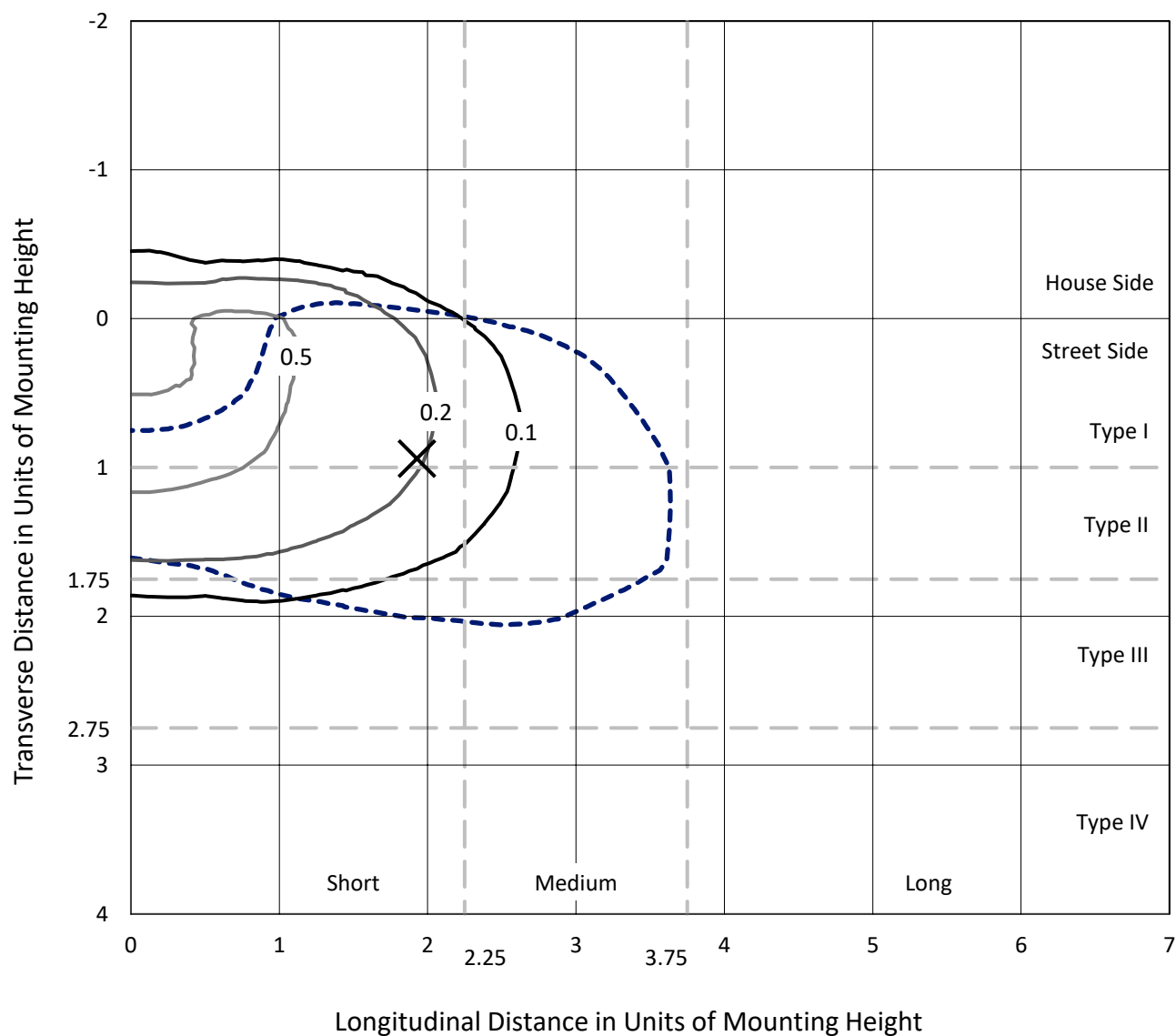
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

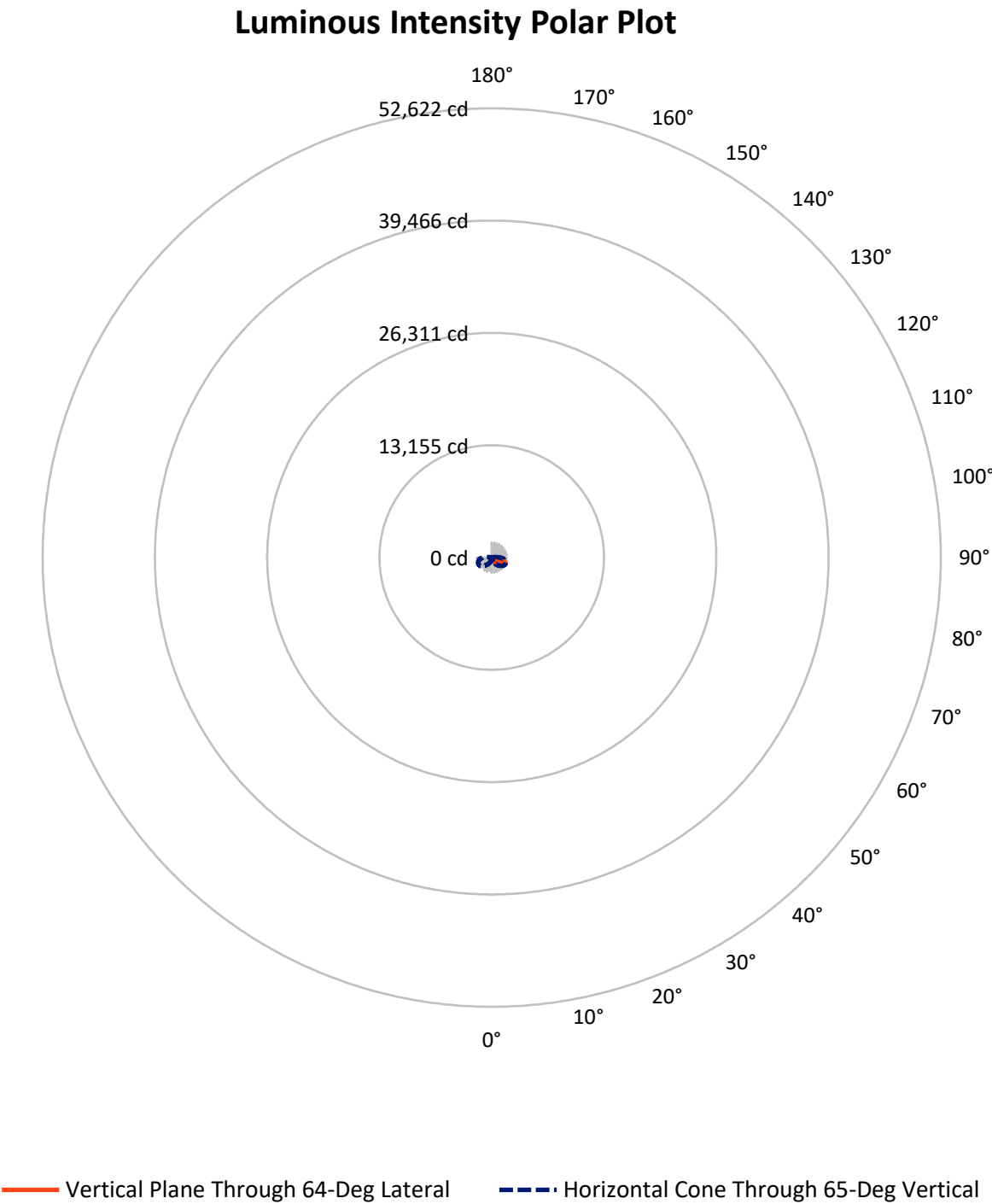
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc

Type III - Short - N/A

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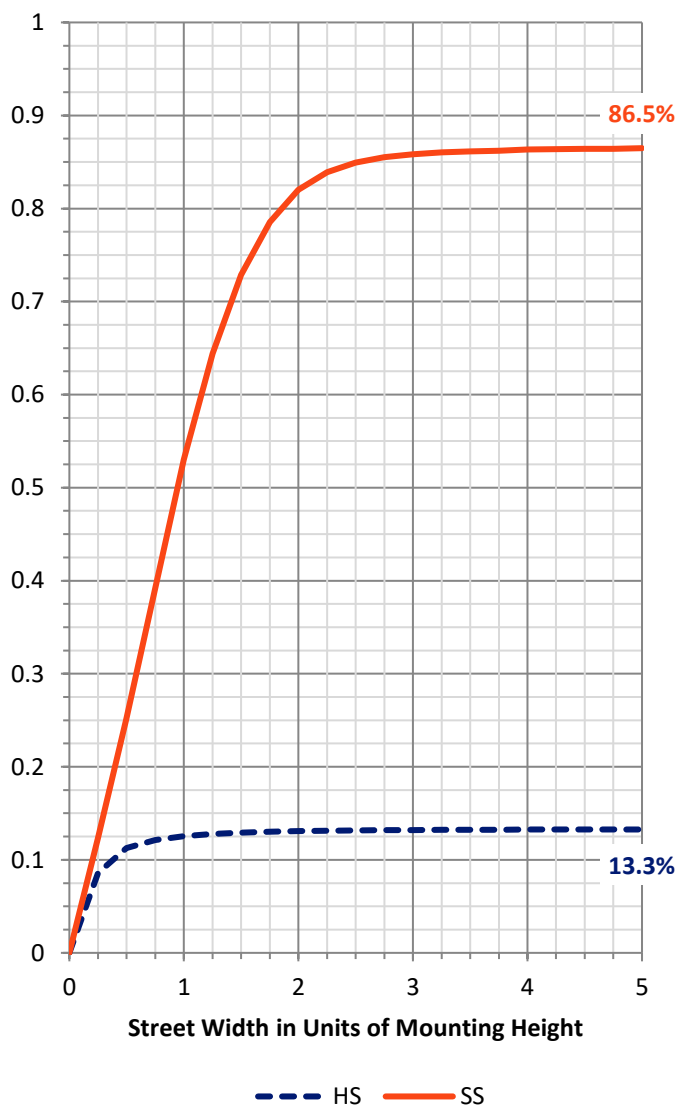
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 327.4    | 0.0    | 327.4  |
|                    | % Fixture | 13.4     | 0.0    | 13.4   |
| <b>Street Side</b> | Lumens    | 2120.6   | 0.0    | 2120.6 |
|                    | % Fixture | 86.6     | 0.0    | 86.6   |
| <b>Total</b>       | Lumens    | 2448.0   | 0.0    | 2448.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.3   | 1.1       |
| 10°-20°   | 71.2   | 2.9       |
| 20°-30°   | 135.0  | 5.5       |
| 30°-40°   | 273.2  | 11.2      |
| 40°-50°   | 465.4  | 19.0      |
| 50°-60°   | 632.9  | 25.9      |
| 60°-70°   | 594.3  | 24.3      |
| 70°-80°   | 238.1  | 9.7       |
| 80°-90°   | 11.5   | 0.5       |
| 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°    | 2448.0 | 100.0     |
| 0°-180°   | 2448.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P938876

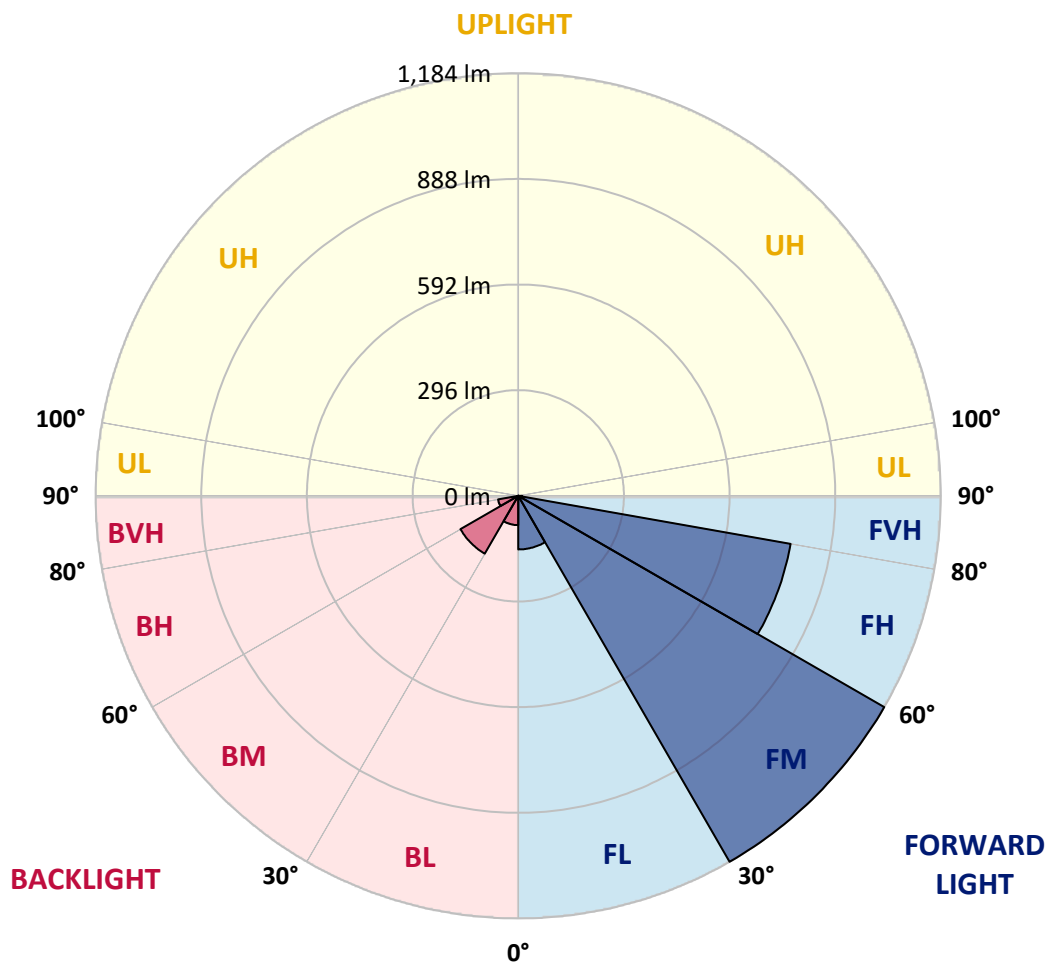
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 150.3  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 1184.3 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 775.0  | 31.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 11.0   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 82.2   | 3.4       | B0/110                  |      |         |
| BM   | (30°-60°)   | 187.2  | 7.6       | B0/220                  |      |         |
| BH   | (60°-80°)   | 57.5   | 2.3       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.6    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 284.7  | 284.7  | 284.7  | 284.7  | 284.7  | 284.7  | 284.7  | 284.7  | 284.7  | 284.7  |
| 2.5°  | 283.7  | 285.7  | 285.2  | 284.7  | 284.6  | 284.9  | 285.1  | 284.9  | 284.9  | 284.9  |
| 5°    | 278.3  | 280.0  | 280.0  | 281.1  | 282.8  | 284.7  | 286.2  | 286.5  | 286.9  | 287.4  |
| 7.5°  | 268.0  | 269.3  | 270.3  | 274.1  | 278.2  | 283.4  | 287.8  | 290.1  | 290.5  | 292.3  |
| 10°   | 260.9  | 262.6  | 264.2  | 268.2  | 274.1  | 281.9  | 289.5  | 295.1  | 295.9  | 300.2  |
| 12.5° | 260.6  | 262.2  | 264.4  | 268.6  | 275.5  | 283.9  | 293.1  | 301.1  | 302.6  | 308.9  |
| 15°   | 264.1  | 266.0  | 268.0  | 273.2  | 280.6  | 290.8  | 300.6  | 310.7  | 312.1  | 321.0  |
| 17.5° | 271.1  | 273.7  | 275.2  | 280.5  | 288.3  | 299.7  | 312.6  | 324.1  | 325.4  | 335.8  |
| 20°   | 285.1  | 288.2  | 288.7  | 292.9  | 300.6  | 312.8  | 328.2  | 342.5  | 344.1  | 356.0  |
| 22.5° | 313.9  | 318.4  | 314.4  | 316.6  | 323.5  | 335.6  | 352.3  | 370.4  | 372.7  | 386.1  |
| 25°   | 364.8  | 371.0  | 360.9  | 357.3  | 360.2  | 372.9  | 393.9  | 416.7  | 419.3  | 430.1  |
| 27.5° | 464.8  | 456.7  | 441.3  | 426.2  | 417.3  | 424.5  | 448.2  | 476.4  | 479.7  | 490.2  |
| 30°   | 574.5  | 567.5  | 546.6  | 513.2  | 492.2  | 491.0  | 512.8  | 544.3  | 548.1  | 558.1  |
| 32.5° | 684.5  | 677.8  | 655.1  | 613.9  | 577.5  | 559.4  | 574.5  | 609.5  | 611.5  | 617.9  |
| 35°   | 792.6  | 785.8  | 763.1  | 720.9  | 676.1  | 635.1  | 632.1  | 671.5  | 672.2  | 678.9  |
| 37.5° | 901.4  | 895.7  | 871.6  | 830.2  | 786.1  | 729.5  | 702.1  | 730.3  | 731.1  | 737.7  |
| 40°   | 979.1  | 981.5  | 965.0  | 933.0  | 895.0  | 833.2  | 780.5  | 792.8  | 787.9  | 798.9  |
| 42.5° | 1045.7 | 1050.6 | 1036.2 | 1020.1 | 998.1  | 943.6  | 877.7  | 875.5  | 867.6  | 873.5  |
| 45°   | 1103.3 | 1107.4 | 1094.4 | 1090.7 | 1090.2 | 1051.9 | 983.8  | 971.0  | 960.0  | 958.9  |
| 47.5° | 1124.5 | 1132.3 | 1137.9 | 1150.6 | 1175.2 | 1159.1 | 1093.6 | 1073.8 | 1061.5 | 1052.4 |
| 50°   | 1132.5 | 1140.9 | 1159.9 | 1196.7 | 1254.9 | 1261.8 | 1202.9 | 1180.6 | 1165.5 | 1149.1 |
| 52.5° | 1121.7 | 1136.6 | 1162.2 | 1224.1 | 1308.6 | 1344.2 | 1307.8 | 1288.2 | 1271.0 | 1244.3 |
| 55°   | 1057.8 | 1072.8 | 1125.1 | 1223.8 | 1335.3 | 1402.0 | 1406.9 | 1398.2 | 1378.8 | 1336.7 |
| 57.5° | 923.3  | 945.4  | 1028.3 | 1182.1 | 1334.9 | 1451.7 | 1504.1 | 1510.3 | 1488.6 | 1428.2 |
| 60°   | 736.8  | 766.9  | 868.0  | 1089.7 | 1293.7 | 1478.6 | 1589.2 | 1620.4 | 1597.4 | 1518.5 |
| 62.5° | 514.2  | 548.9  | 644.6  | 944.9  | 1199.5 | 1459.3 | 1651.4 | 1709.0 | 1691.6 | 1599.2 |
| 65°   | 313.6  | 324.8  | 401.9  | 743.6  | 1039.3 | 1378.2 | 1670.6 | 1756.9 | 1751.2 | 1648.6 |
| 67.5° | 208.9  | 218.3  | 240.4  | 509.9  | 806.8  | 1216.2 | 1624.7 | 1748.6 | 1750.2 | 1640.6 |
| 70°   | 125.9  | 133.9  | 148.4  | 296.5  | 522.8  | 962.7  | 1482.4 | 1641.9 | 1651.4 | 1533.1 |
| 72.5° | 51.9   | 57.3   | 70.4   | 134.4  | 270.8  | 611.0  | 1180.4 | 1409.7 | 1431.8 | 1289.1 |
| 75°   | 29.4   | 32.2   | 41.4   | 67.4   | 117.5  | 284.7  | 715.0  | 1000.7 | 1033.4 | 888.5  |
| 77.5° | 19.5   | 20.8   | 26.7   | 43.7   | 66.1   | 97.2   | 305.6  | 521.4  | 583.7  | 485.3  |
| 80°   | 13.1   | 14.3   | 18.4   | 29.2   | 43.0   | 41.7   | 97.3   | 193.2  | 237.6  | 166.7  |
| 82.5° | 8.9    | 9.0    | 13.1   | 19.2   | 27.2   | 20.2   | 28.7   | 60.1   | 75.5   | 48.2   |
| 85°   | 5.1    | 4.9    | 9.7    | 11.2   | 12.1   | 8.4    | 8.7    | 18.1   | 23.6   | 20.3   |
| 87.5° | 0.7    | 1.0    | 3.8    | 3.0    | 1.6    | 1.8    | 1.8    | 3.1    | 4.6    | 4.9    |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 284.7  | 0°    | 284.7  | 284.7 | 284.7 | 284.7 | 284.7 | 284.7 | 284.7 | 284.7 | 284.7 | 284.7 |
| 285.1  | 2.5°  | 285.1  | 284.9 | 284.4 | 283.9 | 282.8 | 282.1 | 282.4 | 282.1 | 281.9 | 282.1 |
| 287.2  | 5°    | 287.2  | 286.7 | 285.4 | 283.7 | 281.4 | 278.7 | 276.9 | 274.2 | 271.8 | 270.3 |
| 292.9  | 7.5°  | 292.9  | 292.4 | 290.6 | 286.0 | 278.7 | 267.0 | 256.3 | 247.0 | 239.9 | 235.8 |
| 302.1  | 10°   | 302.1  | 301.3 | 298.5 | 288.3 | 269.0 | 243.5 | 222.4 | 204.8 | 193.3 | 187.9 |
| 313.0  | 12.5° | 313.0  | 312.0 | 307.0 | 286.2 | 250.6 | 210.9 | 181.7 | 162.1 | 151.5 | 146.7 |
| 325.4  | 15°   | 325.8  | 324.4 | 314.8 | 276.0 | 223.8 | 174.8 | 148.0 | 133.4 | 126.5 | 122.3 |
| 341.3  | 17.5° | 341.7  | 339.4 | 320.5 | 260.8 | 194.8 | 147.2 | 127.3 | 116.4 | 110.3 | 106.2 |
| 362.2  | 20°   | 362.4  | 358.6 | 325.1 | 242.6 | 168.0 | 129.8 | 113.4 | 104.2 | 99.6  | 96.0  |
| 391.7  | 22.5° | 391.2  | 385.8 | 330.7 | 222.9 | 149.2 | 117.8 | 103.1 | 96.3  | 92.6  | 88.5  |
| 432.9  | 25°   | 427.0  | 420.6 | 337.6 | 204.6 | 136.2 | 107.5 | 95.5  | 89.9  | 85.5  | 80.7  |
| 486.9  | 27.5° | 477.1  | 465.6 | 345.8 | 189.7 | 125.1 | 98.6  | 88.6  | 82.4  | 77.3  | 73.4  |
| 548.1  | 30°   | 532.9  | 514.0 | 353.0 | 180.7 | 114.9 | 90.4  | 79.6  | 73.4  | 68.6  | 65.8  |
| 603.1  | 32.5° | 585.7  | 560.1 | 357.8 | 176.7 | 105.7 | 81.1  | 69.7  | 63.0  | 59.4  | 58.6  |
| 656.9  | 35°   | 635.6  | 601.8 | 357.3 | 173.0 | 97.5  | 71.7  | 60.1  | 53.2  | 50.4  | 50.9  |
| 714.9  | 37.5° | 693.0  | 646.3 | 353.8 | 167.1 | 90.8  | 63.2  | 51.7  | 45.6  | 43.2  | 43.3  |
| 785.3  | 40°   | 759.8  | 697.6 | 351.7 | 155.9 | 83.4  | 55.3  | 44.8  | 39.9  | 38.1  | 37.4  |
| 859.4  | 42.5° | 831.0  | 747.3 | 352.0 | 143.3 | 74.2  | 48.2  | 40.0  | 35.9  | 34.3  | 33.8  |
| 942.0  | 45°   | 902.6  | 794.8 | 352.5 | 130.1 | 64.5  | 42.8  | 36.6  | 33.1  | 32.2  | 31.5  |
| 1025.7 | 47.5° | 969.9  | 835.1 | 343.3 | 116.0 | 55.0  | 38.7  | 33.8  | 31.5  | 30.7  | 29.9  |
| 1109.7 | 50°   | 1032.6 | 862.1 | 321.2 | 99.6  | 47.4  | 35.4  | 31.7  | 30.0  | 29.2  | 28.4  |
| 1185.8 | 52.5° | 1081.3 | 866.3 | 284.6 | 82.7  | 42.2  | 33.0  | 30.4  | 28.9  | 27.9  | 27.1  |
| 1247.4 | 55°   | 1103.0 | 839.6 | 232.5 | 67.0  | 38.1  | 30.9  | 29.0  | 27.6  | 26.4  | 25.6  |
| 1295.8 | 57.5° | 1097.4 | 783.3 | 181.3 | 53.8  | 34.1  | 28.7  | 27.4  | 26.4  | 25.1  | 23.8  |
| 1335.0 | 60°   | 1070.0 | 708.0 | 136.7 | 44.8  | 30.5  | 26.4  | 25.6  | 24.8  | 23.0  | 21.0  |
| 1350.1 | 62.5° | 1022.6 | 613.3 | 97.5  | 37.1  | 26.6  | 23.8  | 23.5  | 22.8  | 20.2  | 16.6  |
| 1327.8 | 65°   | 950.0  | 498.2 | 65.6  | 30.9  | 22.8  | 20.8  | 21.0  | 19.9  | 16.4  | 12.3  |
| 1246.1 | 67.5° | 844.0  | 364.3 | 42.0  | 25.3  | 19.0  | 17.4  | 17.6  | 16.9  | 13.9  | 10.5  |
| 1091.2 | 70°   | 708.9  | 241.2 | 27.4  | 19.2  | 15.3  | 13.5  | 14.4  | 14.6  | 11.8  | 8.5   |
| 837.4  | 72.5° | 519.7  | 142.4 | 19.2  | 14.3  | 11.2  | 9.4   | 11.8  | 12.1  | 9.5   | 6.4   |
| 503.8  | 75°   | 296.2  | 67.6  | 14.4  | 10.3  | 6.9   | 6.6   | 9.2   | 9.2   | 6.6   | 4.3   |
| 218.1  | 77.5° | 124.4  | 28.2  | 10.2  | 6.7   | 3.9   | 3.8   | 6.2   | 5.7   | 3.3   | 2.0   |
| 53.2   | 80°   | 35.9   | 12.6  | 5.4   | 3.3   | 1.6   | 1.5   | 2.5   | 1.8   | 0.8   | 0.3   |
| 20.2   | 82.5° | 14.1   | 5.6   | 2.1   | 1.3   | 0.7   | 0.7   | 0.3   | 0.0   | 0.0   | 0.0   |
| 11.5   | 85°   | 8.4    | 2.3   | 1.0   | 0.5   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5    | 87.5° | 2.1    | 0.5   | 0.3   | 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°  |
|-------|
| 284.7 |
| 282.8 |
| 270.6 |
| 236.0 |
| 187.4 |
| 146.2 |
| 122.4 |
| 105.8 |
| 95.3  |
| 87.8  |
| 80.2  |
| 72.5  |
| 65.3  |
| 59.1  |
| 50.9  |
| 44.0  |
| 37.3  |
| 33.6  |
| 31.5  |
| 29.9  |
| 28.4  |
| 26.9  |
| 25.4  |
| 23.6  |
| 20.7  |
| 16.2  |
| 12.0  |
| 10.0  |
| 8.2   |
| 6.1   |
| 3.9   |
| 2.0   |
| 0.3   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |