

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: P938871

Luminaire Tested: **GLAN-SB1A-950-U-SL4-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938871  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-950-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

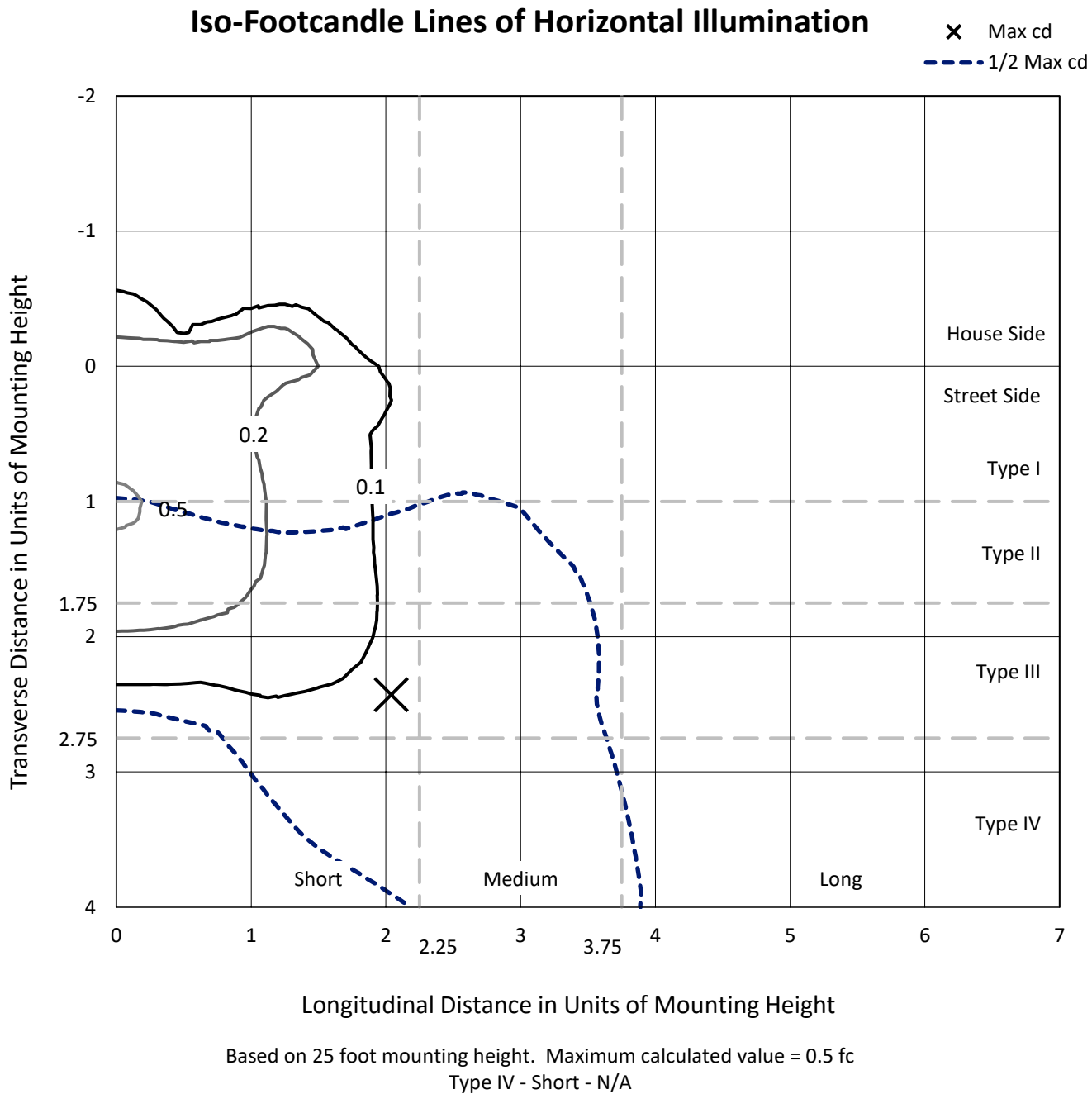
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2179 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

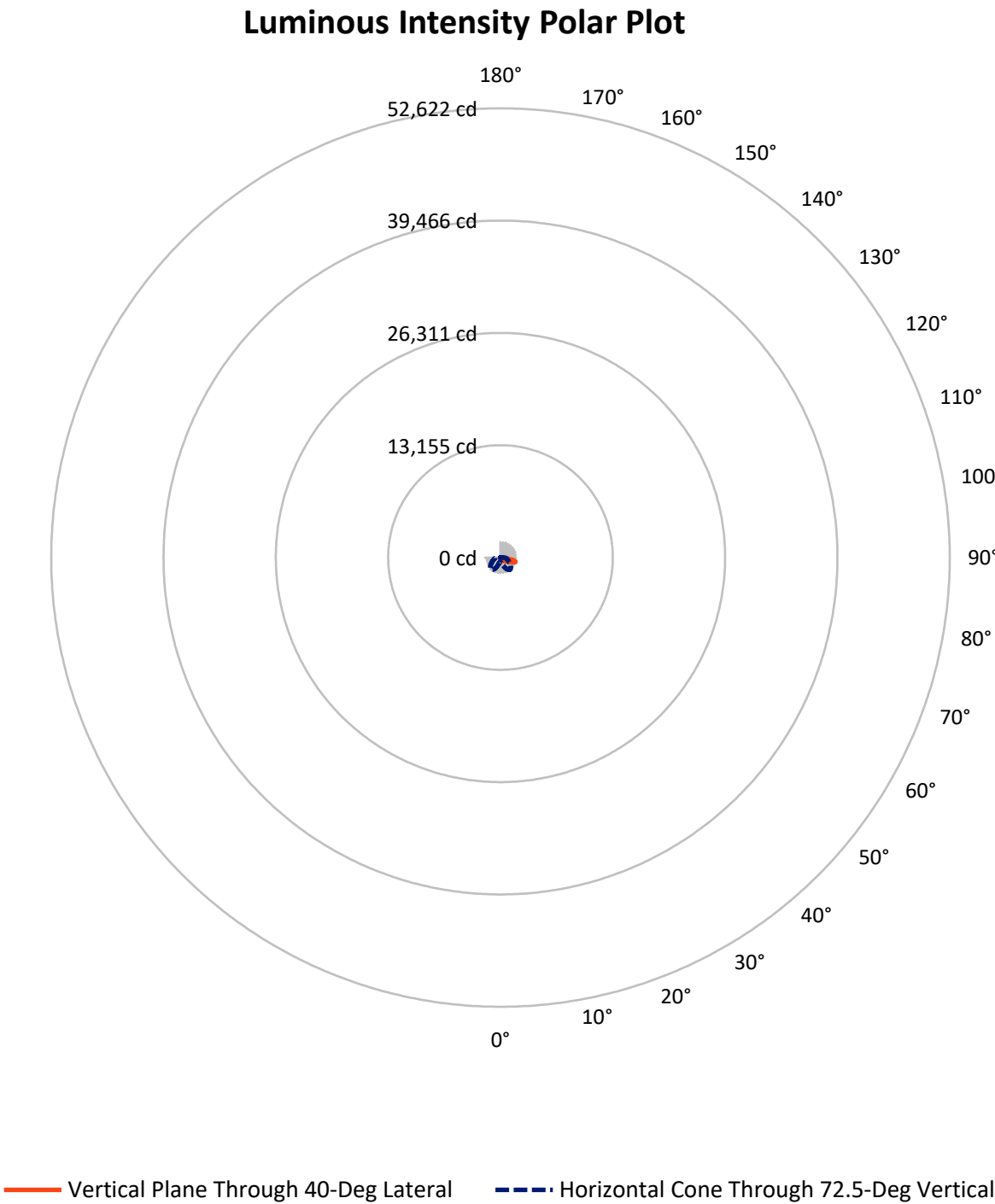
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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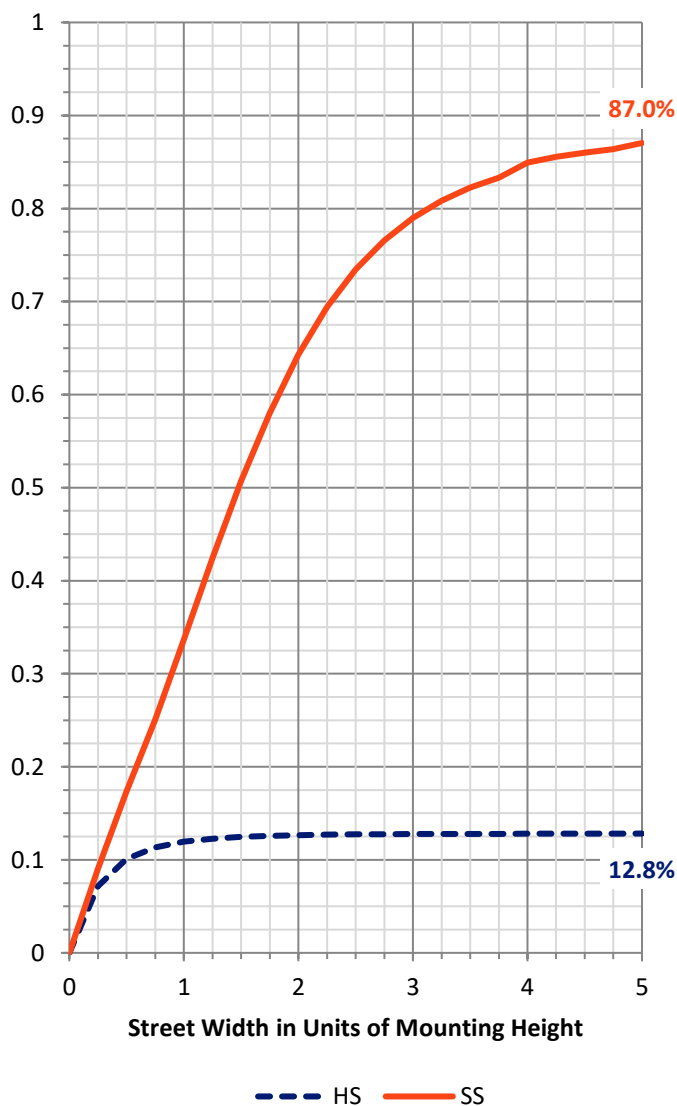
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 281.4    | 0.0    | 281.4  |
|                    | % Fixture | 12.9     | 0.0    | 12.9   |
| <b>Street Side</b> | Lumens    | 1897.6   | 0.0    | 1897.6 |
|                    | % Fixture | 87.1     | 0.0    | 87.1   |
| <b>Total</b>       | Lumens    | 2179.0   | 0.0    | 2179.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.3   | 1.2       |
| 10°-20°   | 71.6   | 3.3       |
| 20°-30°   | 115.8  | 5.3       |
| 30°-40°   | 170.9  | 7.8       |
| 40°-50°   | 287.7  | 13.2      |
| 50°-60°   | 446.7  | 20.5      |
| 60°-70°   | 559.0  | 25.7      |
| 70°-80°   | 457.6  | 21.0      |
| 80°-90°   | 43.4   | 2.0       |
| 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°    | 2179.0 | 100.0     |
| 0°-180°   | 2179.0 | 100.0     |

**Coefficient of Utilization**



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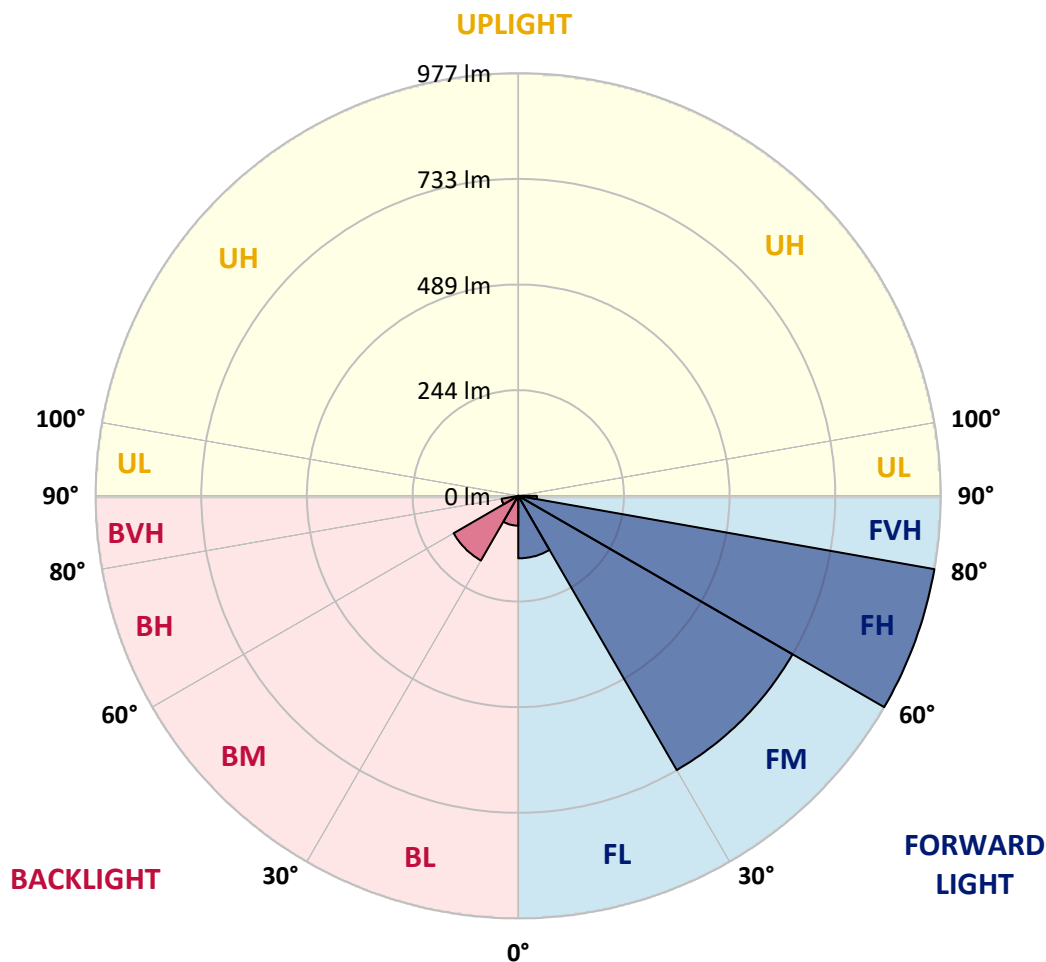
CATALOG NUMBER: GLAN-SB1A-950-U-SL4-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 144.6  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 732.5  | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 977.4  | 44.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 43.1   | 2.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 69.1   | 3.2       | B0/110                  |      |         |
| BM   | (30°-60°)   | 172.8  | 7.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 39.2   | 1.8       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.3    | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 288.5  | 288.5  | 288.5  | 288.5  | 288.5  | 288.5  | 288.5  | 288.5  | 288.5  | 288.5 |
| 2.5°  | 297.2  | 298.4  | 297.7  | 296.4  | 296.1  | 295.4  | 294.6  | 294.3  | 293.1  | 292.1 |
| 5°    | 305.6  | 306.7  | 305.9  | 304.1  | 303.3  | 302.5  | 301.3  | 300.3  | 298.0  | 295.9 |
| 7.5°  | 314.8  | 315.8  | 314.8  | 312.2  | 310.8  | 309.9  | 308.2  | 306.7  | 304.1  | 301.0 |
| 10°   | 325.0  | 325.8  | 324.3  | 320.8  | 318.7  | 317.2  | 315.8  | 314.1  | 311.7  | 308.2 |
| 12.5° | 334.5  | 335.5  | 333.2  | 329.1  | 326.6  | 325.1  | 323.5  | 322.2  | 319.7  | 316.4 |
| 15°   | 343.2  | 344.6  | 340.7  | 336.3  | 333.5  | 332.3  | 330.7  | 329.9  | 328.2  | 325.9 |
| 17.5° | 349.7  | 350.7  | 346.6  | 341.4  | 338.2  | 337.4  | 336.3  | 336.8  | 336.4  | 335.3 |
| 20°   | 355.3  | 356.0  | 350.6  | 344.2  | 340.7  | 340.9  | 340.5  | 342.2  | 342.8  | 342.8 |
| 22.5° | 362.2  | 362.4  | 355.5  | 347.4  | 343.3  | 344.5  | 345.0  | 346.8  | 348.1  | 349.4 |
| 25°   | 371.2  | 370.9  | 362.7  | 351.7  | 348.1  | 349.7  | 350.9  | 351.5  | 353.0  | 355.1 |
| 27.5° | 384.7  | 383.7  | 373.2  | 358.6  | 354.3  | 355.8  | 357.9  | 357.6  | 357.0  | 358.6 |
| 30°   | 401.8  | 400.4  | 386.5  | 368.3  | 364.3  | 365.7  | 366.3  | 363.4  | 358.6  | 360.1 |
| 32.5° | 428.8  | 426.5  | 407.2  | 379.1  | 373.0  | 374.5  | 373.7  | 367.6  | 360.6  | 362.0 |
| 35°   | 475.9  | 470.4  | 443.0  | 401.8  | 382.9  | 381.2  | 379.3  | 373.4  | 364.7  | 363.2 |
| 37.5° | 576.0  | 566.2  | 519.4  | 445.9  | 405.2  | 394.5  | 388.5  | 382.6  | 369.1  | 363.2 |
| 40°   | 689.0  | 679.0  | 625.0  | 519.8  | 442.3  | 424.2  | 409.8  | 393.4  | 373.7  | 365.3 |
| 42.5° | 806.8  | 795.8  | 740.3  | 611.3  | 495.3  | 458.2  | 431.3  | 402.1  | 381.2  | 371.9 |
| 45°   | 938.4  | 924.6  | 852.1  | 706.9  | 572.3  | 514.7  | 465.9  | 420.0  | 394.4  | 383.5 |
| 47.5° | 1077.3 | 1059.4 | 963.5  | 799.6  | 655.2  | 592.8  | 529.3  | 452.0  | 413.7  | 400.9 |
| 50°   | 1200.4 | 1182.6 | 1078.6 | 896.6  | 732.6  | 667.1  | 601.5  | 496.3  | 442.8  | 425.6 |
| 52.5° | 1288.8 | 1275.4 | 1183.3 | 996.7  | 813.2  | 736.9  | 667.0  | 547.8  | 479.5  | 457.1 |
| 55°   | 1348.1 | 1335.7 | 1257.5 | 1091.5 | 906.9  | 813.7  | 731.5  | 603.8  | 523.9  | 494.8 |
| 57.5° | 1384.0 | 1376.9 | 1311.1 | 1176.2 | 999.8  | 897.7  | 805.3  | 665.3  | 576.0  | 539.3 |
| 60°   | 1396.8 | 1391.1 | 1344.4 | 1257.0 | 1112.1 | 998.7  | 892.1  | 734.8  | 639.4  | 589.8 |
| 62.5° | 1362.7 | 1363.8 | 1368.4 | 1352.7 | 1230.4 | 1116.8 | 996.2  | 818.1  | 709.6  | 647.1 |
| 65°   | 1202.0 | 1211.5 | 1298.8 | 1458.7 | 1387.1 | 1264.8 | 1128.6 | 919.9  | 790.1  | 712.3 |
| 67.5° | 995.2  | 1009.0 | 1117.6 | 1520.7 | 1554.2 | 1457.0 | 1313.1 | 1049.5 | 885.9  | 778.6 |
| 70°   | 761.8  | 776.6  | 908.2  | 1507.7 | 1710.6 | 1667.1 | 1541.2 | 1214.5 | 985.2  | 824.5 |
| 72.5° | 543.7  | 551.3  | 655.0  | 1392.4 | 1774.8 | 1810.2 | 1709.3 | 1370.7 | 1035.9 | 799.1 |
| 75°   | 382.1  | 380.8  | 449.5  | 1121.2 | 1674.8 | 1792.8 | 1650.4 | 1286.2 | 937.4  | 634.8 |
| 77.5° | 166.4  | 166.7  | 224.5  | 680.9  | 1336.7 | 1531.2 | 1371.9 | 805.6  | 653.5  | 336.4 |
| 80°   | 43.2   | 44.5   | 82.4   | 271.1  | 804.8  | 1010.6 | 836.7  | 354.2  | 302.0  | 82.1  |
| 82.5° | 15.3   | 16.2   | 37.9   | 85.2   | 296.9  | 463.5  | 372.5  | 113.2  | 78.8   | 23.5  |
| 85°   | 4.4    | 5.3    | 20.4   | 26.1   | 61.4   | 131.0  | 90.4   | 22.0   | 19.4   | 12.1  |
| 87.5° | 0.0    | 0.7    | 4.1    | 3.6    | 3.6    | 2.5    | 4.6    | 2.5    | 3.1    | 1.5   |
| 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°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 288.5 | 0°    | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 |
| 291.0 | 2.5°  | 290.0 | 288.8 | 286.4 | 283.8 | 281.3 | 279.0 | 278.3 | 275.9 | 274.7 | 274.9 |
| 293.3 | 5°    | 291.5 | 289.3 | 284.6 | 278.8 | 272.9 | 266.2 | 260.6 | 252.7 | 246.0 | 245.2 |
| 297.7 | 7.5°  | 295.4 | 292.0 | 284.3 | 273.1 | 258.3 | 239.8 | 222.5 | 205.5 | 195.8 | 190.5 |
| 304.3 | 10°   | 301.5 | 296.9 | 285.1 | 263.7 | 232.4 | 199.2 | 173.1 | 151.6 | 140.6 | 135.6 |
| 312.3 | 12.5° | 308.7 | 303.6 | 286.4 | 247.8 | 198.9 | 155.4 | 127.2 | 114.1 | 111.8 | 111.4 |
| 322.2 | 15°   | 318.9 | 313.3 | 287.9 | 226.3 | 162.6 | 118.3 | 105.4 | 105.5 | 107.3 | 108.3 |
| 332.8 | 17.5° | 330.2 | 324.6 | 285.7 | 200.1 | 126.9 | 101.1 | 100.8 | 102.2 | 104.9 | 105.9 |
| 342.7 | 20°   | 341.7 | 336.4 | 278.2 | 169.2 | 102.6 | 96.3  | 97.6  | 99.3  | 101.9 | 103.2 |
| 352.4 | 22.5° | 353.5 | 348.9 | 266.2 | 136.4 | 92.6  | 92.9  | 94.5  | 96.2  | 99.1  | 100.6 |
| 361.9 | 25°   | 366.1 | 362.2 | 250.3 | 109.3 | 88.3  | 89.3  | 91.4  | 93.4  | 96.5  | 98.3  |
| 369.9 | 27.5° | 378.9 | 376.0 | 232.2 | 91.2  | 84.4  | 85.5  | 88.0  | 90.6  | 93.7  | 95.8  |
| 377.0 | 30°   | 392.9 | 391.3 | 217.8 | 84.5  | 80.6  | 81.6  | 84.4  | 87.3  | 90.8  | 93.4  |
| 384.0 | 32.5° | 407.2 | 406.8 | 210.7 | 89.4  | 77.1  | 77.8  | 80.3  | 83.2  | 87.5  | 90.8  |
| 389.9 | 35°   | 421.3 | 421.9 | 206.6 | 103.4 | 76.0  | 74.2  | 75.8  | 78.4  | 83.5  | 87.6  |
| 396.7 | 37.5° | 439.3 | 441.0 | 206.5 | 118.5 | 78.8  | 70.6  | 71.7  | 73.5  | 78.0  | 82.7  |
| 407.2 | 40°   | 466.3 | 475.0 | 217.0 | 131.5 | 83.7  | 67.3  | 67.6  | 67.9  | 70.2  | 74.2  |
| 421.1 | 42.5° | 502.0 | 527.5 | 254.9 | 140.3 | 85.7  | 64.3  | 63.2  | 61.4  | 61.1  | 63.2  |
| 440.2 | 45°   | 546.5 | 591.0 | 321.5 | 145.2 | 83.7  | 61.1  | 57.9  | 53.2  | 51.4  | 52.8  |
| 465.9 | 47.5° | 598.9 | 660.6 | 400.4 | 146.4 | 80.4  | 56.9  | 51.4  | 45.1  | 43.7  | 44.1  |
| 500.6 | 50°   | 649.9 | 712.8 | 469.9 | 136.9 | 75.0  | 51.7  | 44.1  | 38.9  | 37.9  | 38.1  |
| 541.4 | 52.5° | 695.0 | 730.6 | 489.6 | 114.4 | 67.8  | 45.3  | 37.9  | 34.3  | 33.6  | 33.6  |
| 586.6 | 55°   | 724.9 | 711.3 | 436.6 | 87.5  | 58.8  | 38.7  | 32.5  | 30.7  | 30.4  | 30.2  |
| 636.9 | 57.5° | 731.1 | 648.3 | 329.7 | 63.2  | 46.0  | 32.7  | 28.9  | 27.9  | 27.2  | 26.6  |
| 688.6 | 60°   | 708.8 | 543.2 | 209.9 | 44.1  | 34.5  | 27.9  | 25.6  | 24.9  | 23.6  | 22.3  |
| 737.2 | 62.5° | 660.6 | 410.3 | 116.2 | 30.7  | 27.7  | 23.8  | 22.6  | 21.8  | 19.4  | 17.2  |
| 775.8 | 65°   | 595.7 | 272.8 | 51.4  | 24.0  | 22.6  | 20.0  | 19.4  | 18.2  | 15.3  | 12.8  |
| 790.4 | 67.5° | 530.6 | 157.1 | 23.1  | 19.2  | 18.2  | 16.4  | 15.9  | 15.1  | 13.0  | 10.7  |
| 753.1 | 70°   | 456.2 | 79.6  | 15.9  | 15.3  | 14.1  | 12.5  | 13.0  | 12.8  | 10.7  | 8.7   |
| 614.3 | 72.5° | 339.7 | 39.6  | 12.0  | 11.5  | 10.2  | 8.9   | 10.7  | 10.5  | 8.4   | 6.6   |
| 378.8 | 75°   | 192.3 | 19.5  | 8.7   | 8.0   | 6.1   | 6.6   | 8.5   | 8.0   | 5.7   | 4.3   |
| 159.8 | 77.5° | 76.3  | 10.0  | 5.7   | 4.9   | 3.6   | 4.4   | 6.2   | 5.4   | 3.0   | 1.8   |
| 30.5  | 80°   | 17.6  | 4.9   | 3.0   | 2.1   | 1.6   | 2.6   | 3.3   | 2.0   | 0.8   | 0.2   |
| 8.2   | 82.5° | 4.9   | 2.1   | 1.0   | 0.8   | 0.8   | 1.0   | 0.8   | 0.3   | 0.0   | 0.0   |
| 2.1   | 85°   | 1.6   | 1.0   | 0.3   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   |
| 0.7   | 87.5° | 0.7   | 0.3   | 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°  |
|-------|
| 288.5 |
| 274.7 |
| 244.7 |
| 190.2 |
| 134.6 |
| 111.3 |
| 108.2 |
| 105.7 |
| 103.2 |
| 100.6 |
| 98.3  |
| 96.0  |
| 93.7  |
| 91.1  |
| 88.3  |
| 83.5  |
| 75.5  |
| 64.3  |
| 52.8  |
| 44.0  |
| 38.1  |
| 33.5  |
| 29.9  |
| 26.3  |
| 21.8  |
| 16.6  |
| 12.3  |
| 10.3  |
| 8.4   |
| 6.2   |
| 3.9   |
| 1.6   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |