

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: P938877

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
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  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3124 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - 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



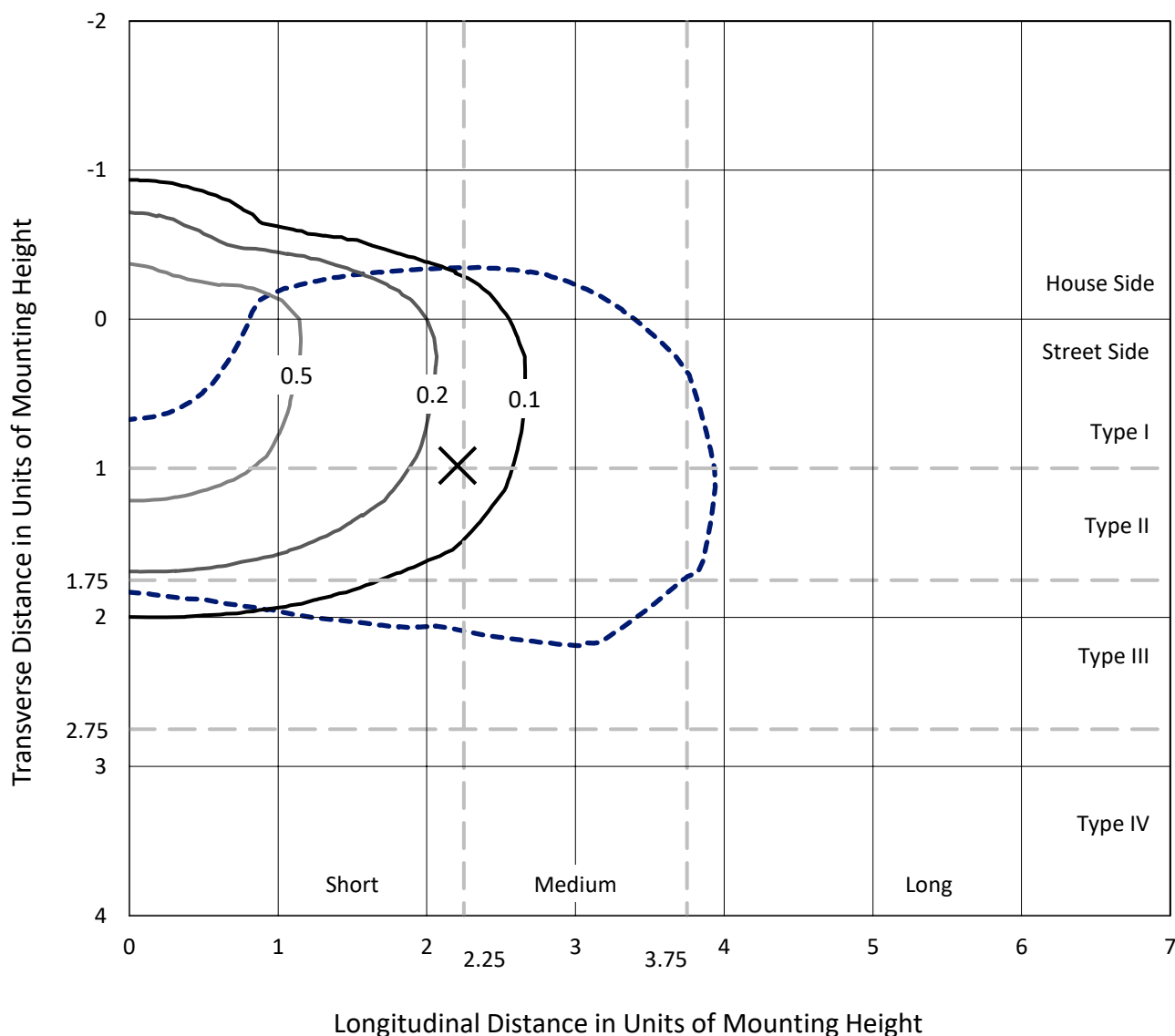
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

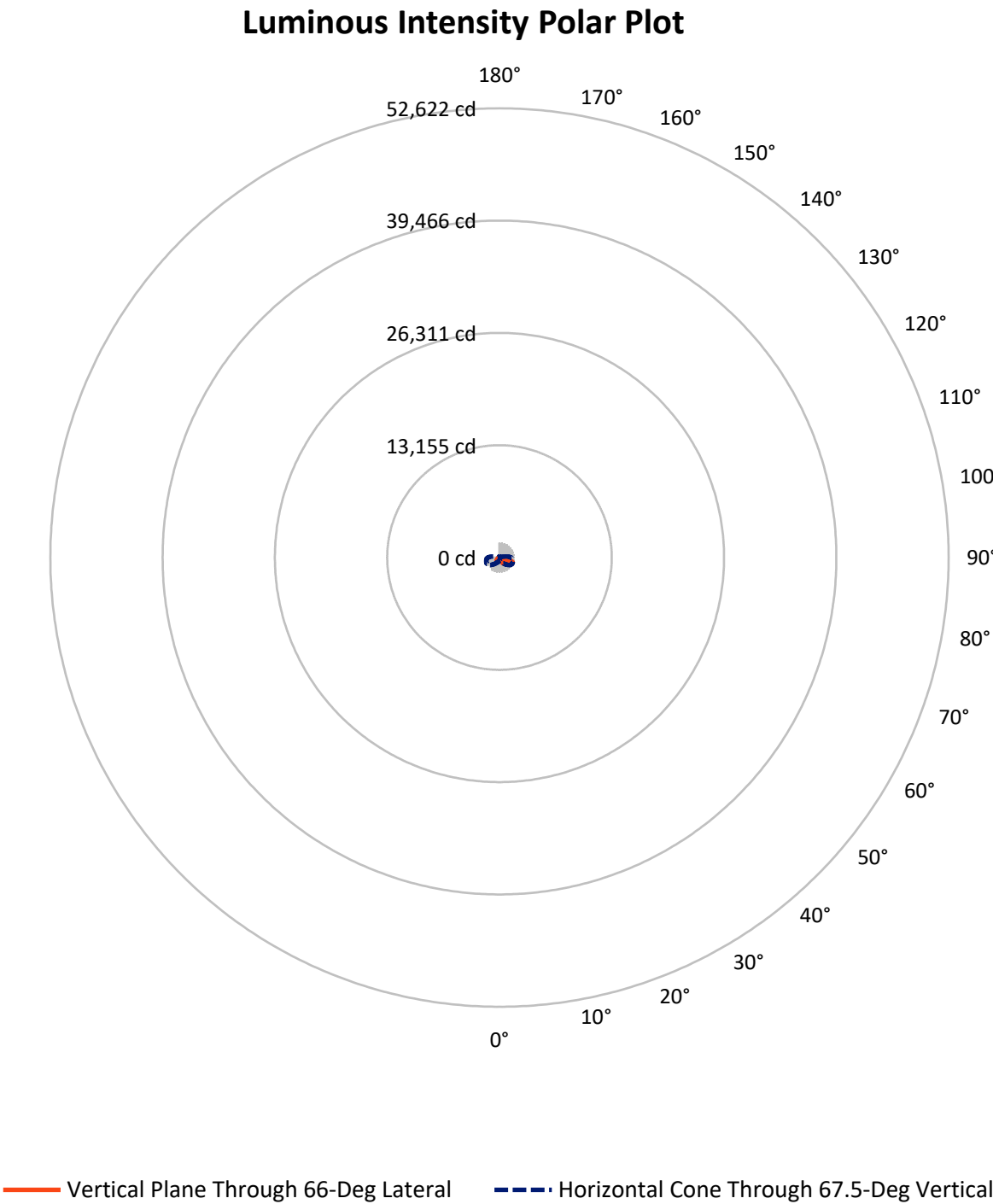
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc

Type III - Short - N/A

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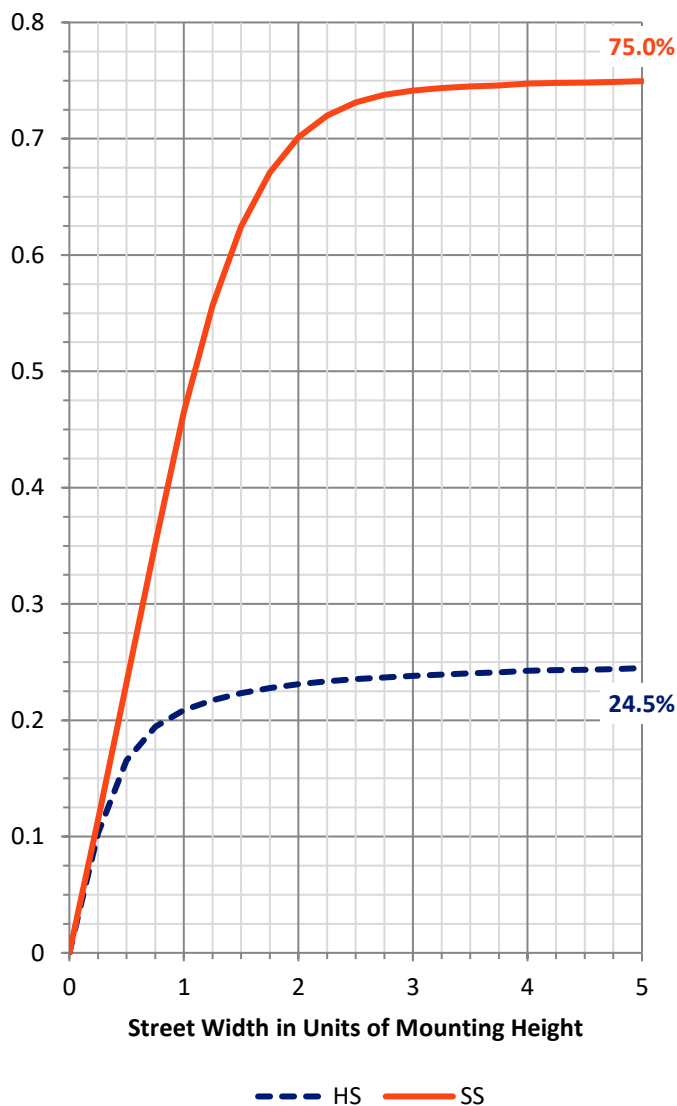
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 776.8    | 0.0    | 776.8  |
|                    | % Fixture | 24.9     | 0.0    | 24.9   |
| <b>Street Side</b> | Lumens    | 2347.2   | 0.0    | 2347.2 |
|                    | % Fixture | 75.1     | 0.0    | 75.1   |
| <b>Total</b>       | Lumens    | 3124.0   | 0.0    | 3124.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 34.4   | 1.1       |
| 10°-20°   | 113.5  | 3.6       |
| 20°-30°   | 218.8  | 7.0       |
| 30°-40°   | 383.6  | 12.3      |
| 40°-50°   | 570.2  | 18.3      |
| 50°-60°   | 722.8  | 23.1      |
| 60°-70°   | 707.3  | 22.6      |
| 70°-80°   | 337.4  | 10.8      |
| 80°-90°   | 36.1   | 1.2       |
| 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°    | 3124.0 | 100.0     |
| 0°-180°   | 3124.0 | 100.0     |

**Coefficient of Utilization**



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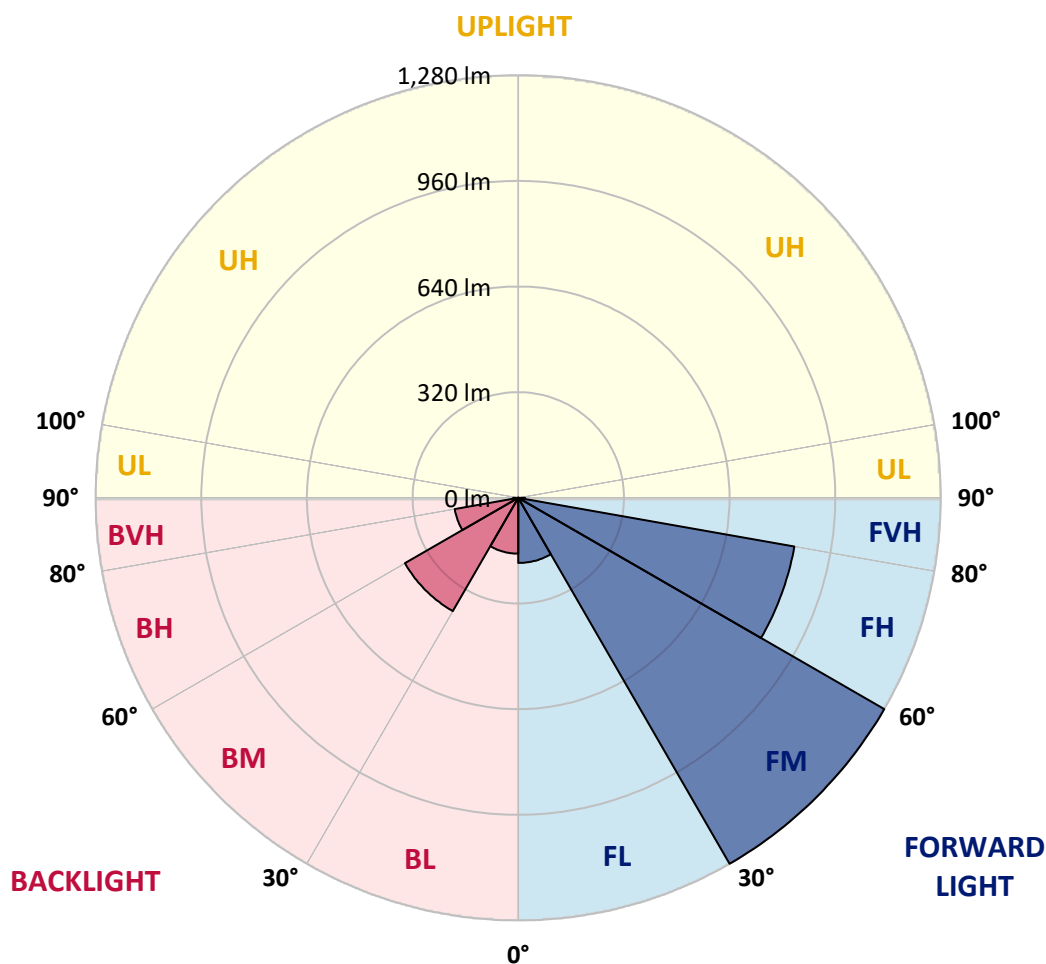
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 197.4  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 1280.2 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 849.2  | 27.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 20.4   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 169.2  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 396.5  | 12.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 195.5  | 6.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 15.6   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 346.5  | 346.5  | 346.5  | 346.5  | 346.5  | 346.5  | 346.5  | 346.5  | 346.5  | 346.5  |
| 2.5°  | 342.9  | 344.9  | 344.4  | 343.5  | 343.4  | 343.7  | 344.2  | 344.7  | 344.5  | 345.3  |
| 5°    | 341.9  | 343.9  | 343.7  | 343.7  | 344.4  | 345.7  | 346.5  | 347.3  | 346.5  | 347.5  |
| 7.5°  | 342.6  | 344.0  | 344.7  | 345.3  | 347.0  | 349.4  | 351.4  | 353.2  | 352.2  | 353.4  |
| 10°   | 350.9  | 352.1  | 352.7  | 352.7  | 353.9  | 356.7  | 358.6  | 361.9  | 361.1  | 362.9  |
| 12.5° | 366.2  | 367.3  | 367.3  | 366.7  | 367.5  | 369.3  | 370.0  | 373.6  | 372.1  | 375.1  |
| 15°   | 384.9  | 387.2  | 385.4  | 384.2  | 384.6  | 386.4  | 386.2  | 389.0  | 387.5  | 390.0  |
| 17.5° | 405.6  | 408.5  | 405.6  | 405.4  | 404.8  | 406.7  | 406.9  | 409.4  | 406.7  | 408.5  |
| 20°   | 430.0  | 434.1  | 431.7  | 432.5  | 431.0  | 431.8  | 432.7  | 436.3  | 432.2  | 433.5  |
| 22.5° | 464.5  | 469.4  | 466.8  | 469.9  | 468.9  | 468.3  | 468.1  | 474.5  | 468.1  | 468.6  |
| 25°   | 514.7  | 520.6  | 516.0  | 520.3  | 520.3  | 522.4  | 524.9  | 533.1  | 522.4  | 519.3  |
| 27.5° | 588.9  | 594.8  | 585.8  | 588.4  | 587.6  | 592.9  | 590.2  | 610.6  | 599.1  | 594.0  |
| 30°   | 678.2  | 688.7  | 671.6  | 671.0  | 670.2  | 678.5  | 682.3  | 695.8  | 684.1  | 679.0  |
| 32.5° | 774.7  | 785.7  | 765.4  | 759.5  | 756.3  | 761.4  | 758.3  | 769.1  | 761.1  | 753.2  |
| 35°   | 876.8  | 887.7  | 868.3  | 856.8  | 844.3  | 833.7  | 822.5  | 825.3  | 817.7  | 805.7  |
| 37.5° | 973.3  | 993.2  | 972.7  | 960.4  | 937.4  | 916.5  | 885.4  | 872.4  | 865.3  | 854.3  |
| 40°   | 1071.6 | 1083.0 | 1067.4 | 1056.9 | 1031.9 | 999.3  | 949.4  | 922.0  | 912.4  | 901.8  |
| 42.5° | 1144.0 | 1154.9 | 1146.5 | 1139.3 | 1119.7 | 1081.8 | 1017.3 | 983.0  | 969.2  | 957.2  |
| 45°   | 1201.5 | 1209.5 | 1204.3 | 1206.9 | 1198.5 | 1161.8 | 1087.7 | 1048.5 | 1034.2 | 1019.6 |
| 47.5° | 1224.6 | 1233.2 | 1241.5 | 1257.1 | 1271.4 | 1244.3 | 1163.4 | 1119.4 | 1104.3 | 1089.4 |
| 50°   | 1222.0 | 1230.7 | 1255.0 | 1288.1 | 1332.5 | 1323.4 | 1243.2 | 1194.9 | 1181.0 | 1163.9 |
| 52.5° | 1201.0 | 1210.8 | 1242.0 | 1297.2 | 1367.8 | 1382.7 | 1324.4 | 1272.9 | 1259.8 | 1239.4 |
| 55°   | 1145.8 | 1151.7 | 1198.5 | 1276.7 | 1376.1 | 1424.1 | 1404.0 | 1355.9 | 1342.8 | 1314.4 |
| 57.5° | 1043.6 | 1052.1 | 1120.2 | 1221.3 | 1355.1 | 1452.1 | 1473.9 | 1443.3 | 1430.6 | 1389.7 |
| 60°   | 910.1  | 923.8  | 1001.7 | 1128.4 | 1301.6 | 1452.0 | 1537.5 | 1529.1 | 1518.6 | 1463.9 |
| 62.5° | 759.1  | 774.9  | 849.9  | 997.1  | 1208.0 | 1410.8 | 1577.2 | 1601.0 | 1595.6 | 1532.4 |
| 65°   | 583.0  | 593.8  | 668.5  | 827.2  | 1062.5 | 1322.3 | 1581.8 | 1650.1 | 1651.1 | 1584.4 |
| 67.5° | 388.2  | 419.4  | 484.2  | 620.8  | 867.5  | 1177.7 | 1541.4 | 1658.1 | 1667.6 | 1602.3 |
| 70°   | 189.4  | 230.4  | 294.0  | 403.4  | 620.8  | 955.9  | 1435.9 | 1592.1 | 1613.3 | 1550.1 |
| 72.5° | 78.6   | 91.9   | 126.5  | 199.1  | 356.3  | 645.1  | 1223.8 | 1413.2 | 1452.4 | 1373.5 |
| 75°   | 53.0   | 57.4   | 72.4   | 102.1  | 162.3  | 318.1  | 882.6  | 1053.8 | 1117.0 | 1037.3 |
| 77.5° | 40.9   | 43.7   | 52.7   | 71.4   | 96.5   | 120.3  | 472.4  | 635.0  | 667.7  | 618.1  |
| 80°   | 32.2   | 34.3   | 39.4   | 52.0   | 68.4   | 64.3   | 161.0  | 287.7  | 306.6  | 257.2  |
| 82.5° | 27.9   | 28.7   | 28.2   | 35.3   | 45.5   | 37.6   | 52.9   | 106.2  | 117.2  | 85.0   |
| 85°   | 20.2   | 22.5   | 23.5   | 21.8   | 24.1   | 19.0   | 21.7   | 37.6   | 41.4   | 36.9   |
| 87.5° | 8.2    | 12.1   | 14.9   | 14.1   | 8.9    | 5.4    | 6.7    | 11.0   | 12.6   | 13.8   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 346.5  | 0°    | 346.5  | 346.5  | 346.5 | 346.5 | 346.5 | 346.5 | 346.5 | 346.5 | 346.5 | 346.5 |
| 346.7  | 2.5°  | 346.8  | 348.0  | 348.8 | 349.8 | 350.4 | 351.4 | 353.4 | 354.5 | 354.7 | 355.5 |
| 349.3  | 5°    | 349.9  | 351.6  | 353.4 | 356.0 | 359.0 | 361.4 | 365.2 | 367.8 | 368.8 | 369.6 |
| 355.7  | 7.5°  | 356.7  | 359.0  | 362.3 | 366.8 | 371.1 | 374.4 | 379.0 | 382.1 | 385.2 | 386.4 |
| 365.9  | 10°   | 366.7  | 370.0  | 374.7 | 381.0 | 385.6 | 389.8 | 394.6 | 397.2 | 400.3 | 401.6 |
| 378.0  | 12.5° | 379.2  | 382.6  | 388.8 | 397.5 | 401.8 | 404.8 | 406.4 | 405.7 | 406.4 | 407.6 |
| 392.6  | 15°   | 393.4  | 397.2  | 404.3 | 413.6 | 416.6 | 414.0 | 410.3 | 407.1 | 406.6 | 406.9 |
| 410.3  | 17.5° | 410.3  | 413.1  | 421.3 | 429.2 | 427.1 | 416.3 | 408.4 | 403.1 | 400.5 | 399.7 |
| 433.0  | 20°   | 434.0  | 434.0  | 440.7 | 445.6 | 431.4 | 413.0 | 400.7 | 392.1 | 386.7 | 384.4 |
| 463.9  | 22.5° | 462.7  | 460.1  | 464.3 | 460.9 | 430.5 | 403.8 | 386.7 | 371.9 | 363.7 | 360.4 |
| 507.0  | 25°   | 499.1  | 496.0  | 494.9 | 473.5 | 424.6 | 389.2 | 361.4 | 343.5 | 336.3 | 334.5 |
| 569.2  | 27.5° | 554.1  | 546.2  | 531.3 | 480.4 | 413.8 | 366.2 | 331.9 | 315.3 | 311.2 | 311.4 |
| 649.2  | 30°   | 627.3  | 611.6  | 575.0 | 481.6 | 396.1 | 333.7 | 301.7 | 289.9 | 287.9 | 288.7 |
| 716.3  | 32.5° | 695.1  | 680.2  | 619.6 | 476.3 | 368.8 | 301.8 | 274.6 | 266.7 | 263.8 | 264.8 |
| 767.5  | 35°   | 748.3  | 744.2  | 661.0 | 468.9 | 335.3 | 272.0 | 250.3 | 243.6 | 237.8 | 236.5 |
| 815.8  | 37.5° | 798.5  | 796.9  | 692.0 | 458.6 | 302.2 | 250.8 | 230.8 | 221.9 | 213.5 | 208.9 |
| 869.1  | 40°   | 853.7  | 852.0  | 712.4 | 442.7 | 272.8 | 232.4 | 213.2 | 201.6 | 191.2 | 182.8 |
| 929.5  | 42.5° | 915.7  | 906.0  | 722.0 | 419.9 | 247.8 | 216.8 | 198.9 | 183.2 | 169.6 | 161.8 |
| 997.8  | 45°   | 983.5  | 961.7  | 721.9 | 390.8 | 226.8 | 202.5 | 183.7 | 161.3 | 148.7 | 141.5 |
| 1067.9 | 47.5° | 1055.4 | 1014.9 | 713.0 | 358.6 | 206.5 | 186.8 | 160.0 | 143.0 | 134.6 | 130.2 |
| 1144.0 | 50°   | 1129.6 | 1064.6 | 697.9 | 321.7 | 185.6 | 168.9 | 145.3 | 133.6 | 127.2 | 123.1 |
| 1219.5 | 52.5° | 1199.3 | 1109.7 | 679.7 | 279.9 | 164.5 | 151.5 | 138.7 | 129.7 | 122.9 | 118.3 |
| 1292.7 | 55°   | 1264.2 | 1148.6 | 653.9 | 237.0 | 147.2 | 139.8 | 135.6 | 128.0 | 120.3 | 114.9 |
| 1367.1 | 57.5° | 1321.8 | 1173.9 | 609.4 | 196.8 | 134.9 | 131.8 | 132.3 | 125.2 | 116.4 | 111.8 |
| 1440.3 | 60°   | 1369.7 | 1192.5 | 543.6 | 159.5 | 124.9 | 123.9 | 127.2 | 120.0 | 109.6 | 104.4 |
| 1502.2 | 62.5° | 1398.4 | 1192.1 | 462.9 | 130.7 | 116.4 | 116.7 | 120.5 | 113.4 | 102.9 | 98.0  |
| 1534.5 | 65°   | 1396.0 | 1162.9 | 374.2 | 111.8 | 108.2 | 108.5 | 113.4 | 106.2 | 97.3  | 94.4  |
| 1518.3 | 67.5° | 1346.6 | 1091.7 | 287.1 | 99.5  | 99.1  | 100.6 | 106.4 | 101.3 | 93.9  | 93.6  |
| 1421.4 | 70°   | 1212.8 | 943.8  | 206.8 | 89.6  | 89.8  | 91.9  | 99.5  | 98.2  | 92.1  | 92.7  |
| 1195.1 | 72.5° | 972.5  | 719.6  | 138.9 | 79.3  | 79.4  | 82.9  | 92.9  | 95.7  | 90.3  | 99.0  |
| 847.9  | 75°   | 647.7  | 448.8  | 89.3  | 68.3  | 68.4  | 72.9  | 87.2  | 90.9  | 85.4  | 98.6  |
| 441.2  | 77.5° | 311.2  | 201.7  | 64.7  | 57.4  | 57.4  | 61.6  | 75.3  | 81.4  | 72.7  | 76.7  |
| 141.8  | 80°   | 107.5  | 75.8   | 50.9  | 46.3  | 45.3  | 48.1  | 63.5  | 70.6  | 62.7  | 57.8  |
| 46.3   | 82.5° | 42.3   | 39.4   | 40.9  | 35.9  | 32.7  | 34.5  | 49.4  | 58.3  | 46.1  | 41.7  |
| 26.1   | 85°   | 24.3   | 25.6   | 28.9  | 23.8  | 18.9  | 21.2  | 36.3  | 41.9  | 34.8  | 30.7  |
| 8.5    | 87.5° | 6.6    | 9.0    | 13.3  | 12.3  | 8.5   | 9.0   | 17.2  | 23.1  | 20.0  | 15.4  |
| 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°  |
|-------|
| 346.5 |
| 355.4 |
| 369.5 |
| 386.5 |
| 402.3 |
| 407.9 |
| 408.0 |
| 400.8 |
| 383.9 |
| 360.0 |
| 334.8 |
| 311.9 |
| 291.5 |
| 266.1 |
| 237.5 |
| 209.1 |
| 183.7 |
| 162.3 |
| 141.2 |
| 129.2 |
| 121.6 |
| 116.4 |
| 112.8 |
| 108.8 |
| 102.1 |
| 96.5  |
| 94.2  |
| 94.1  |
| 92.6  |
| 100.3 |
| 99.5  |
| 70.3  |
| 54.2  |
| 41.5  |
| 31.4  |
| 15.9  |
| 0.0   |