

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: P944941

Luminaire Tested: **GLAN-SB1A-750-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-750-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4719 lumens  
Efficiency: N/A  
Efficacy: 152.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
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

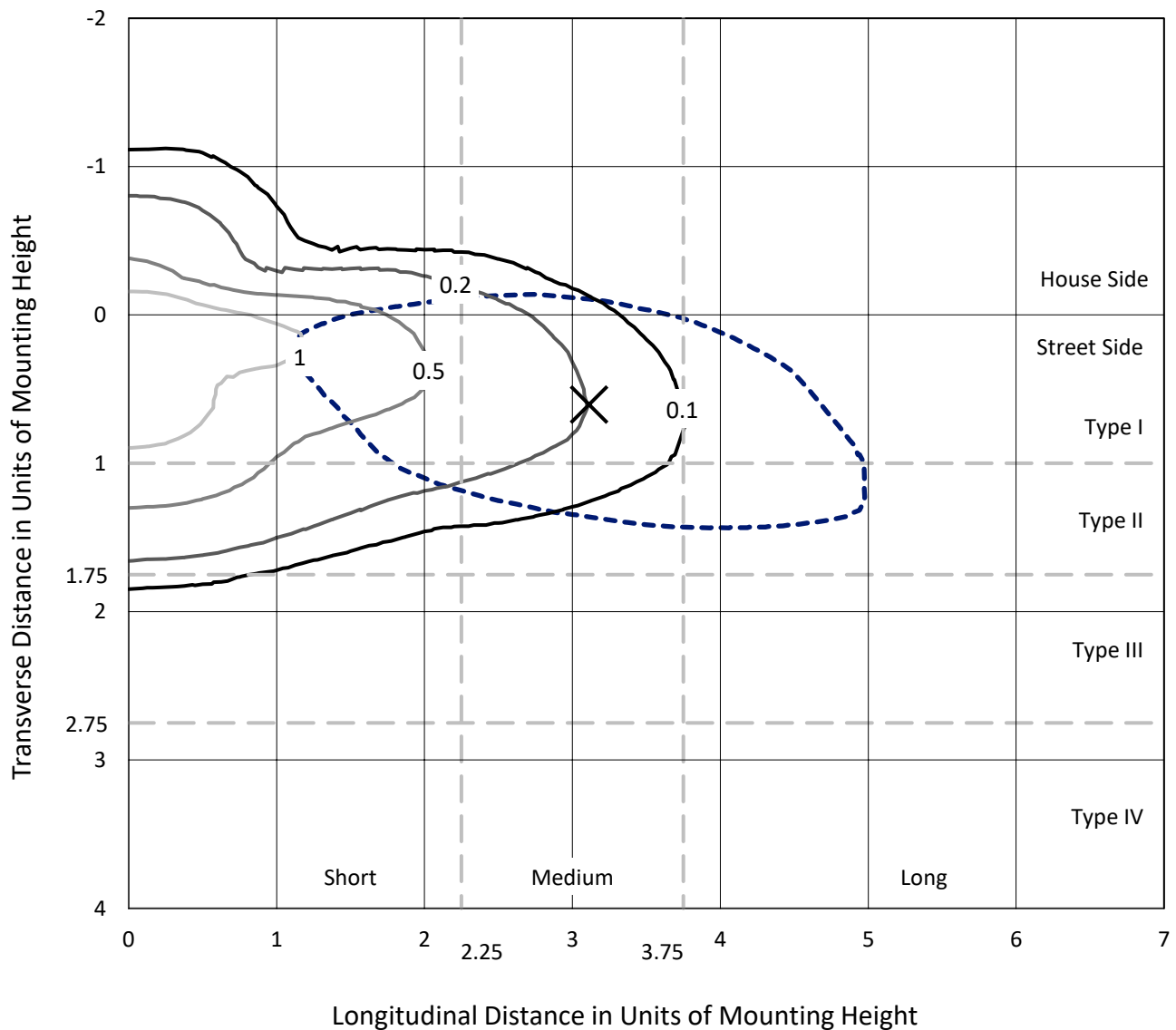


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## Iso-Footcandle Lines of Horizontal Illumination

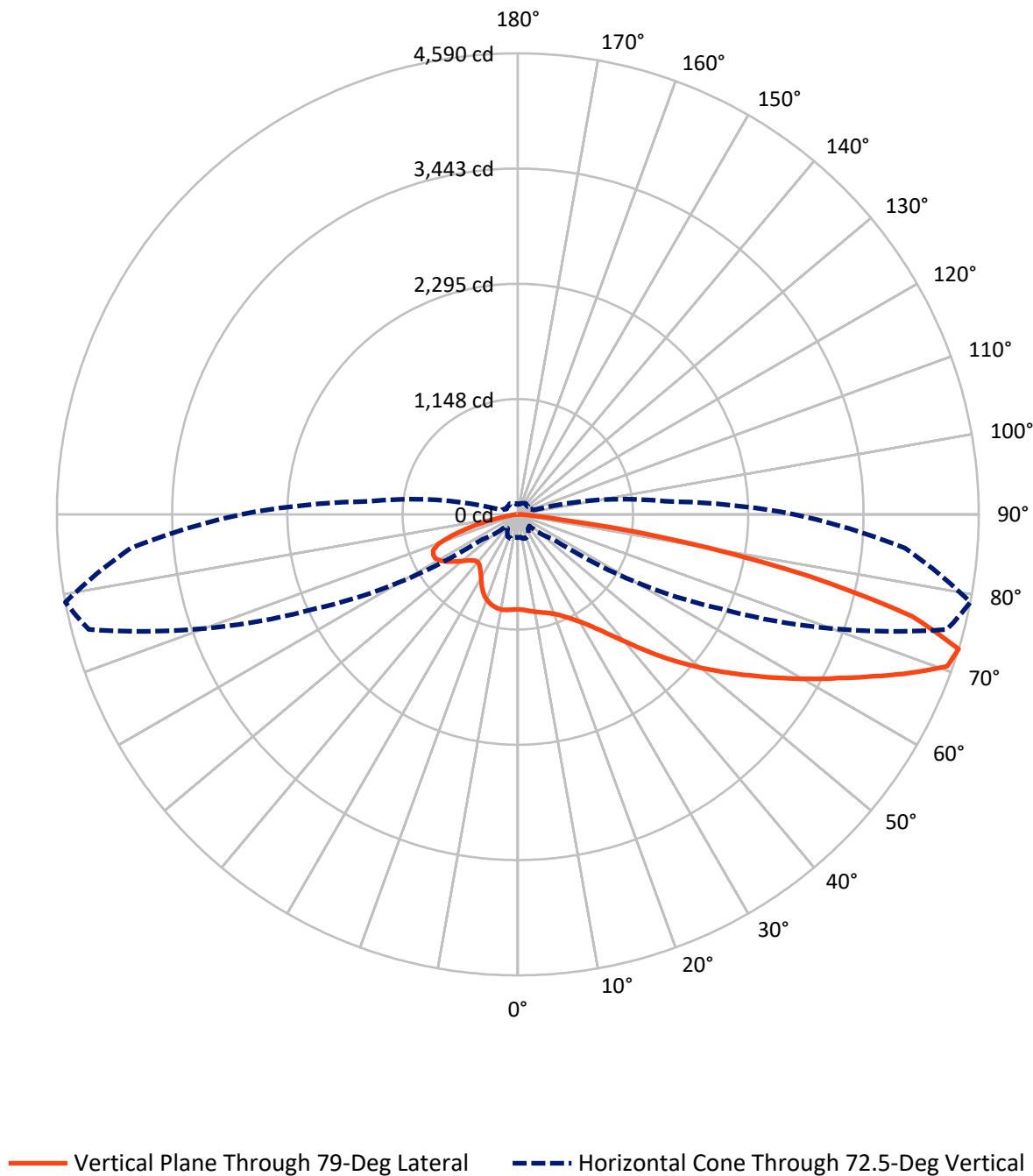
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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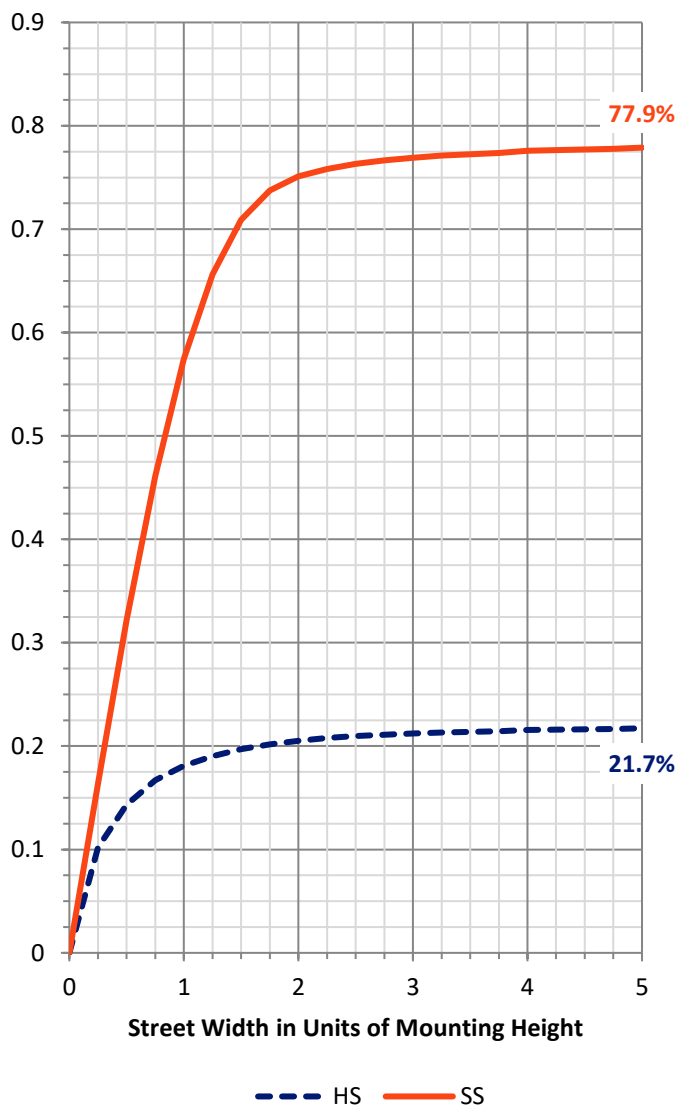
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1038.4   | 0.0    | 1038.4 |
|                    | % Fixture | 22.0     | 0.0    | 22.0   |
| <b>Street Side</b> | Lumens    | 3680.6   | 0.0    | 3680.6 |
|                    | % Fixture | 78.0     | 0.0    | 78.0   |
| <b>Total</b>       | Lumens    | 4719.0   | 0.0    | 4719.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.0   | 1.8       |
| 10°-20°   | 224.8  | 4.8       |
| 20°-30°   | 362.8  | 7.7       |
| 30°-40°   | 544.4  | 11.5      |
| 40°-50°   | 772.3  | 16.4      |
| 50°-60°   | 975.3  | 20.7      |
| 60°-70°   | 990.6  | 21.0      |
| 70°-80°   | 675.1  | 14.3      |
| 80°-90°   | 87.6   | 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°    | 4719.0 | 100.0     |
| 0°-180°   | 4719.0 | 100.0     |

**Coefficient of Utilization**



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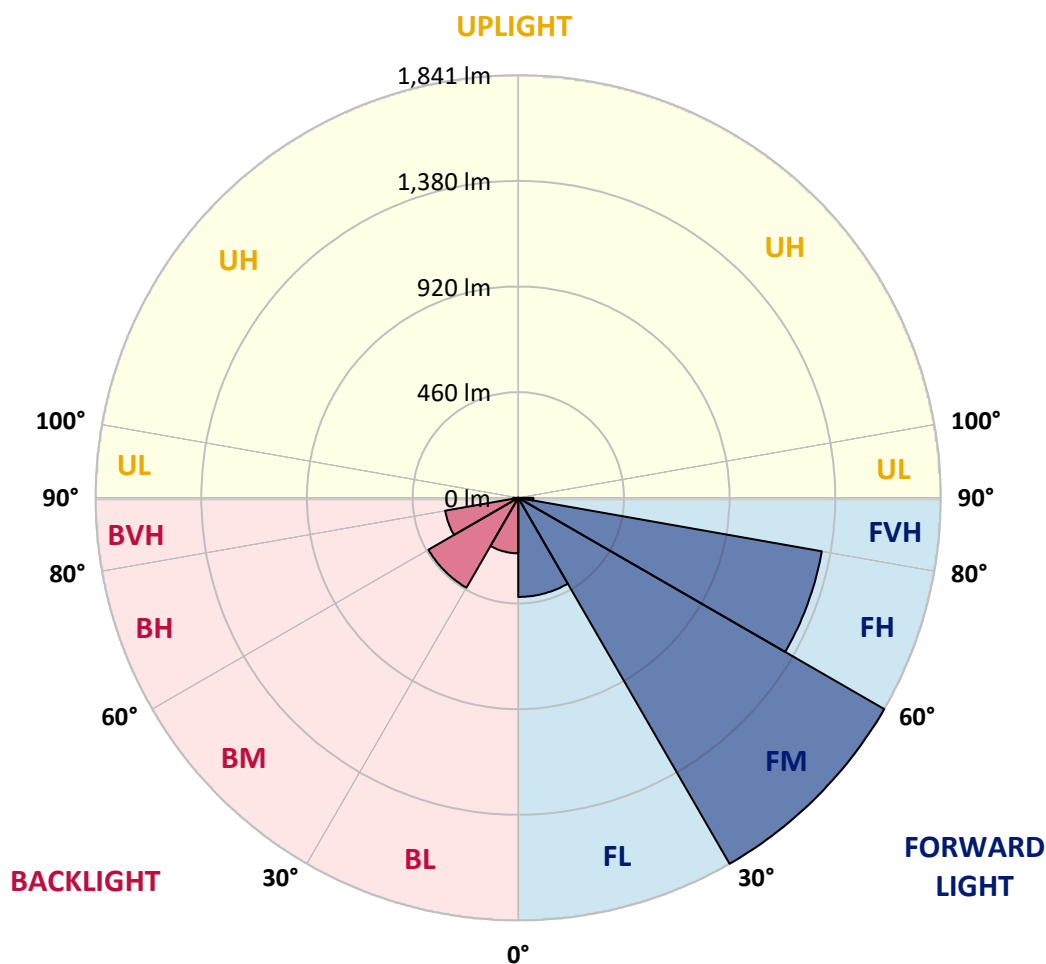
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 431.7  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 1840.5 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 1342.4 | 28.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 66.0   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 241.9  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 451.6  | 9.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 323.3  | 6.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 21.6   | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 947.3  | 947.3  | 947.3  | 947.3  | 947.3  | 947.3  | 947.3  | 947.3  | 947.3  | 947.3  |
| 2.5°  | 947.8  | 943.3  | 946.0  | 945.0  | 946.3  | 947.8  | 948.3  | 949.0  | 951.5  | 951.3  |
| 5°    | 945.8  | 941.3  | 945.0  | 943.8  | 947.0  | 950.5  | 953.5  | 956.3  | 960.3  | 962.0  |
| 7.5°  | 941.6  | 938.6  | 942.3  | 946.0  | 952.0  | 957.3  | 961.5  | 967.8  | 973.5  | 974.5  |
| 10°   | 916.8  | 914.6  | 923.3  | 933.1  | 949.5  | 963.8  | 973.0  | 980.2  | 986.5  | 987.5  |
| 12.5° | 891.1  | 888.4  | 898.1  | 911.3  | 938.1  | 963.8  | 983.2  | 992.7  | 998.2  | 1001.5 |
| 15°   | 886.9  | 884.6  | 890.1  | 901.6  | 923.8  | 957.0  | 990.2  | 1007.7 | 1012.4 | 1016.2 |
| 17.5° | 907.4  | 903.1  | 905.4  | 909.4  | 922.3  | 950.8  | 995.7  | 1024.7 | 1031.9 | 1035.9 |
| 20°   | 954.8  | 948.8  | 945.3  | 937.3  | 935.1  | 951.8  | 995.2  | 1045.1 | 1054.6 | 1059.6 |
| 22.5° | 1017.9 | 1013.9 | 1006.5 | 986.2  | 964.3  | 964.0  | 1004.7 | 1071.4 | 1089.1 | 1093.8 |
| 25°   | 1094.3 | 1088.3 | 1078.8 | 1051.4 | 1009.2 | 988.2  | 1020.7 | 1104.8 | 1134.5 | 1135.8 |
| 27.5° | 1182.2 | 1173.2 | 1160.2 | 1124.0 | 1067.1 | 1026.2 | 1045.1 | 1143.2 | 1186.7 | 1186.2 |
| 30°   | 1274.8 | 1265.8 | 1252.1 | 1208.1 | 1136.5 | 1077.3 | 1079.1 | 1184.7 | 1248.6 | 1245.8 |
| 32.5° | 1342.4 | 1335.7 | 1333.0 | 1299.0 | 1216.4 | 1137.8 | 1118.0 | 1230.6 | 1325.0 | 1322.5 |
| 35°   | 1394.4 | 1385.6 | 1388.9 | 1371.6 | 1303.5 | 1205.4 | 1165.7 | 1285.3 | 1417.8 | 1417.6 |
| 37.5° | 1445.8 | 1438.0 | 1440.8 | 1429.3 | 1384.1 | 1291.3 | 1223.9 | 1352.2 | 1532.9 | 1538.4 |
| 40°   | 1492.7 | 1484.5 | 1495.5 | 1484.7 | 1446.8 | 1382.6 | 1290.0 | 1427.8 | 1666.2 | 1676.7 |
| 42.5° | 1520.9 | 1514.4 | 1532.6 | 1532.9 | 1501.2 | 1459.8 | 1362.7 | 1511.2 | 1820.5 | 1843.9 |
| 45°   | 1530.6 | 1528.4 | 1555.9 | 1561.6 | 1549.4 | 1504.4 | 1428.1 | 1602.0 | 1986.7 | 2028.6 |
| 47.5° | 1520.2 | 1515.9 | 1553.9 | 1575.1 | 1584.8 | 1525.4 | 1482.2 | 1700.4 | 2156.4 | 2217.8 |
| 50°   | 1467.2 | 1459.0 | 1515.4 | 1560.1 | 1594.8 | 1539.1 | 1536.9 | 1814.0 | 2349.4 | 2416.5 |
| 52.5° | 1372.1 | 1365.9 | 1430.1 | 1507.7 | 1572.8 | 1545.9 | 1598.3 | 1938.0 | 2532.6 | 2619.5 |
| 55°   | 1250.6 | 1242.3 | 1313.0 | 1414.3 | 1518.2 | 1543.6 | 1659.7 | 2076.8 | 2748.8 | 2836.9 |
| 57.5° | 1057.9 | 1041.4 | 1130.8 | 1250.6 | 1429.1 | 1540.9 | 1723.6 | 2214.8 | 2968.4 | 3074.0 |
| 60°   | 776.8  | 752.3  | 861.9  | 1004.0 | 1254.8 | 1514.2 | 1802.7 | 2369.6 | 3232.0 | 3327.1 |
| 62.5° | 452.3  | 438.1  | 509.7  | 642.3  | 945.8  | 1356.9 | 1847.2 | 2549.6 | 3491.1 | 3591.0 |
| 65°   | 351.2  | 347.2  | 353.5  | 363.7  | 526.4  | 1015.9 | 1710.1 | 2725.1 | 3820.6 | 3890.5 |
| 67.5° | 321.3  | 318.3  | 321.0  | 301.8  | 267.1  | 565.9  | 1352.9 | 2769.5 | 4173.6 | 4216.0 |
| 70°   | 285.6  | 282.1  | 291.1  | 274.6  | 210.2  | 257.4  | 874.2  | 2608.2 | 4454.4 | 4534.0 |
| 72.5° | 232.6  | 228.6  | 249.6  | 242.1  | 177.0  | 165.2  | 439.1  | 2225.1 | 4425.0 | 4590.2 |
| 75°   | 178.7  | 176.5  | 201.4  | 207.7  | 144.3  | 130.1  | 210.7  | 1654.0 | 3894.0 | 4060.5 |
| 77.5° | 138.8  | 137.0  | 149.8  | 172.5  | 116.3  | 100.8  | 129.6  | 1049.1 | 2934.5 | 2963.7 |
| 80°   | 104.1  | 99.1   | 110.8  | 133.5  | 90.6   | 73.6   | 87.9   | 611.8  | 1854.9 | 1681.4 |
| 82.5° | 65.1   | 62.7   | 72.4   | 89.1   | 63.9   | 50.7   | 57.2   | 338.0  | 743.4  | 437.8  |
| 85°   | 37.2   | 36.2   | 39.4   | 50.9   | 34.7   | 29.2   | 32.7   | 149.3  | 135.8  | 93.4   |
| 87.5° | 15.0   | 14.5   | 18.0   | 22.7   | 12.7   | 10.7   | 11.5   | 35.9   | 30.0   | 27.7   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 947.3  | 0°    | 947.3  | 947.3  | 947.3 | 947.3 | 947.3 | 947.3 | 947.3 | 947.3 | 947.3 | 947.3 |
| 951.0  | 2.5°  | 950.0  | 950.0  | 946.5 | 941.1 | 934.8 | 930.8 | 924.3 | 922.6 | 915.8 | 913.8 |
| 959.5  | 5°    | 961.5  | 959.5  | 948.8 | 933.3 | 912.1 | 892.6 | 871.2 | 857.7 | 838.7 | 832.0 |
| 976.2  | 7.5°  | 976.0  | 970.5  | 952.0 | 918.1 | 873.7 | 830.0 | 784.5 | 750.1 | 717.1 | 705.4 |
| 990.0  | 10°   | 989.2  | 981.5  | 950.0 | 890.6 | 813.7 | 738.1 | 665.7 | 615.1 | 576.6 | 560.9 |
| 1005.2 | 12.5° | 1002.5 | 988.2  | 936.8 | 845.0 | 728.6 | 626.0 | 548.9 | 509.5 | 485.8 | 466.8 |
| 1017.7 | 15°   | 1014.9 | 995.0  | 916.3 | 783.8 | 635.3 | 531.2 | 474.3 | 442.8 | 423.8 | 411.4 |
| 1035.9 | 17.5° | 1029.4 | 1000.7 | 885.6 | 706.2 | 546.4 | 465.5 | 419.1 | 400.1 | 396.4 | 394.9 |
| 1060.9 | 20°   | 1049.6 | 1006.0 | 845.2 | 619.3 | 481.0 | 413.1 | 389.2 | 387.4 | 387.2 | 386.4 |
| 1090.8 | 22.5° | 1071.4 | 1012.2 | 791.8 | 540.4 | 425.3 | 380.4 | 376.2 | 372.7 | 370.4 | 370.2 |
| 1127.0 | 25°   | 1097.1 | 1014.2 | 724.9 | 475.8 | 377.9 | 364.9 | 359.9 | 354.7 | 353.2 | 353.2 |
| 1168.2 | 27.5° | 1122.0 | 1007.5 | 647.0 | 419.6 | 351.2 | 350.7 | 344.2 | 342.5 | 342.2 | 343.0 |
| 1215.1 | 30°   | 1147.0 | 994.7  | 569.6 | 367.7 | 335.7 | 335.7 | 333.5 | 334.7 | 335.7 | 338.2 |
| 1279.5 | 32.5° | 1180.7 | 981.2  | 505.0 | 329.2 | 322.3 | 319.8 | 322.0 | 324.5 | 325.5 | 328.7 |
| 1364.2 | 35°   | 1230.1 | 971.8  | 453.6 | 308.3 | 308.3 | 305.0 | 306.3 | 305.8 | 303.5 | 302.0 |
| 1466.5 | 37.5° | 1295.5 | 971.3  | 411.1 | 298.5 | 296.5 | 296.0 | 296.3 | 293.0 | 284.3 | 273.8 |
| 1590.3 | 40°   | 1374.1 | 984.7  | 378.4 | 291.8 | 290.3 | 293.3 | 291.8 | 283.1 | 259.1 | 240.9 |
| 1742.6 | 42.5° | 1479.7 | 1023.2 | 357.5 | 283.6 | 288.1 | 291.8 | 285.8 | 255.6 | 239.4 | 227.2 |
| 1916.1 | 45°   | 1604.0 | 1085.6 | 346.7 | 274.8 | 283.8 | 288.3 | 259.4 | 246.1 | 233.1 | 218.4 |
| 2105.3 | 47.5° | 1744.8 | 1164.2 | 344.2 | 266.6 | 274.3 | 277.1 | 248.1 | 242.1 | 227.4 | 211.4 |
| 2295.5 | 50°   | 1898.1 | 1257.3 | 351.0 | 256.9 | 260.6 | 251.1 | 244.4 | 238.9 | 223.7 | 207.9 |
| 2490.4 | 52.5° | 2056.6 | 1359.9 | 364.4 | 243.6 | 246.9 | 236.4 | 242.9 | 238.1 | 221.4 | 200.2 |
| 2691.9 | 55°   | 2212.4 | 1463.3 | 377.4 | 228.1 | 232.9 | 223.2 | 238.6 | 235.1 | 211.2 | 187.2 |
| 2906.8 | 57.5° | 2370.6 | 1566.1 | 390.2 | 214.4 | 219.4 | 210.4 | 231.9 | 227.2 | 199.7 | 175.2 |
| 3141.4 | 60°   | 2535.1 | 1665.9 | 396.1 | 201.2 | 204.7 | 198.7 | 221.7 | 213.4 | 186.7 | 163.0 |
| 3372.1 | 62.5° | 2689.1 | 1749.1 | 386.4 | 188.0 | 190.2 | 187.7 | 208.2 | 197.2 | 173.7 | 149.3 |
| 3612.4 | 65°   | 2843.6 | 1798.5 | 356.5 | 175.0 | 175.5 | 174.2 | 189.2 | 179.7 | 158.5 | 137.3 |
| 3822.9 | 67.5° | 2983.7 | 1826.2 | 308.8 | 161.0 | 159.8 | 159.3 | 171.5 | 160.8 | 143.8 | 125.3 |
| 3982.9 | 70°   | 3013.4 | 1755.8 | 235.9 | 144.5 | 144.5 | 143.3 | 152.0 | 141.0 | 127.6 | 112.6 |
| 3868.3 | 72.5° | 2752.3 | 1477.0 | 167.5 | 125.8 | 127.8 | 125.3 | 132.5 | 123.3 | 111.1 | 101.1 |
| 3333.9 | 75°   | 2219.3 | 1083.1 | 121.8 | 106.6 | 110.1 | 105.8 | 112.6 | 106.1 | 95.6  | 95.4  |
| 2297.5 | 77.5° | 1524.9 | 669.7  | 88.4  | 87.9  | 90.4  | 84.9  | 92.6  | 89.1  | 79.6  | 75.4  |
| 1000.0 | 80°   | 650.8  | 267.1  | 64.4  | 67.9  | 67.9  | 62.9  | 71.9  | 72.9  | 64.7  | 62.7  |
| 193.0  | 82.5° | 129.6  | 75.9   | 45.2  | 46.7  | 43.9  | 42.4  | 50.9  | 56.4  | 77.9  | 86.6  |
| 58.2   | 85°   | 38.9   | 28.0   | 27.2  | 25.5  | 22.5  | 22.7  | 30.0  | 56.7  | 69.9  | 39.9  |
| 19.2   | 87.5° | 10.7   | 7.0    | 7.2   | 5.7   | 4.7   | 6.2   | 10.2  | 42.9  | 23.5  | 10.0  |
| 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°  |
|-------|
| 947.3 |
| 917.1 |
| 837.0 |
| 706.9 |
| 564.4 |
| 473.0 |
| 413.6 |
| 395.9 |
| 388.9 |
| 372.9 |
| 354.7 |
| 345.0 |
| 340.0 |
| 331.5 |
| 305.5 |
| 274.1 |
| 240.4 |
| 226.7 |
| 217.4 |
| 210.2 |
| 206.2 |
| 198.7 |
| 186.0 |
| 174.7 |
| 162.3 |
| 149.0 |
| 135.8 |
| 123.8 |
| 112.1 |
| 98.1  |
| 85.9  |
| 70.6  |
| 62.7  |
| 86.9  |
| 34.4  |
| 8.5   |
| 0.0   |