

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: P526127

Luminaire Tested: **GLAN-SA1A-740-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526127  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1A-740-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2706 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

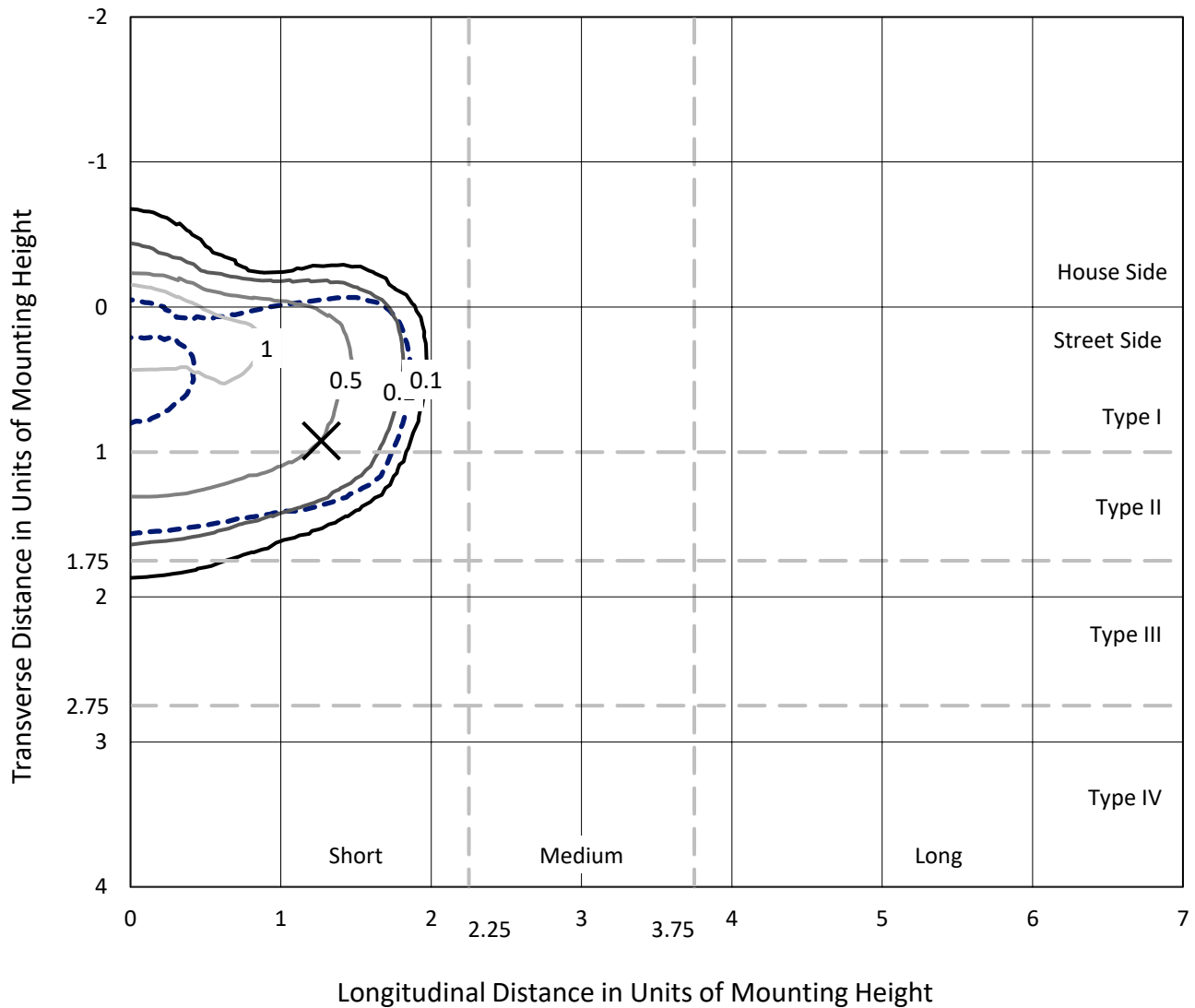
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

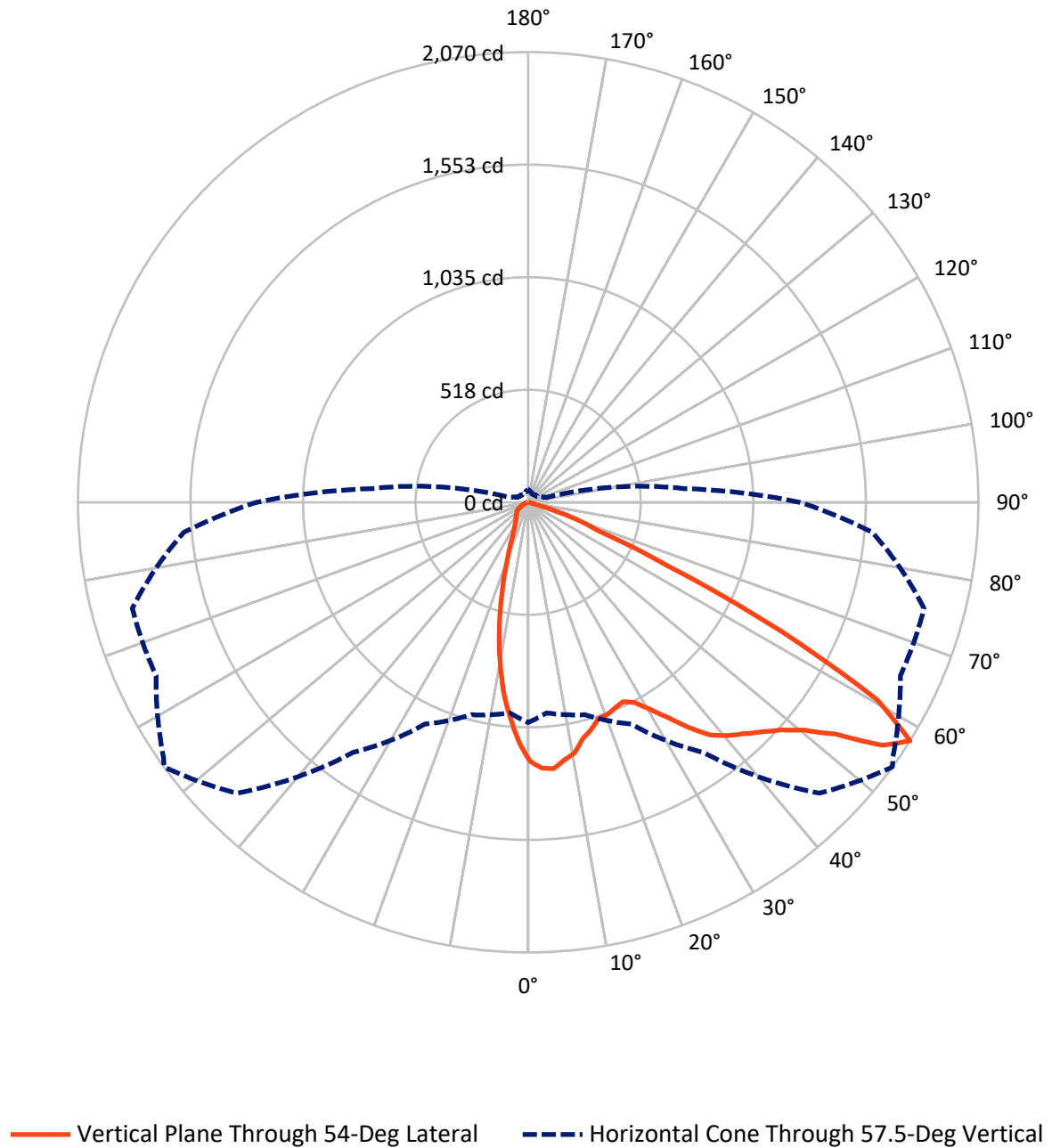


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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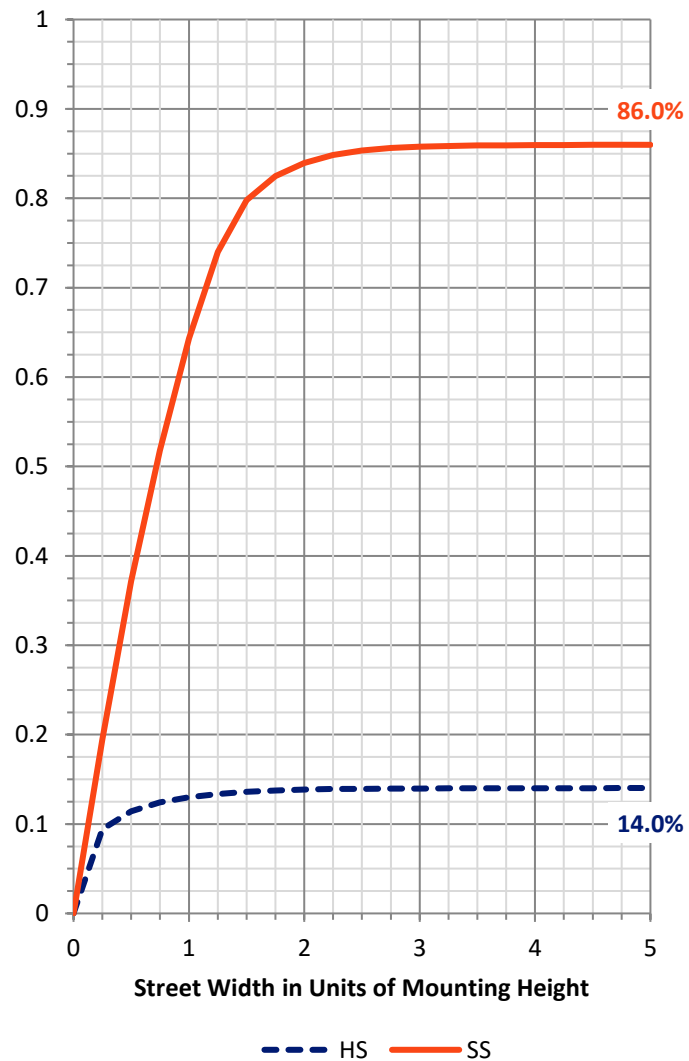
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 382.4    | 0.0    | 382.4  |
|                    | % Fixture | 14.1     | 0.0    | 14.1   |
| <b>Street Side</b> | Lumens    | 2323.6   | 0.0    | 2323.6 |
|                    | % Fixture | 85.9     | 0.0    | 85.9   |
| <b>Total</b>       | Lumens    | 2706.0   | 0.0    | 2706.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.8   | 3.7       |
| 10°-20°   | 213.0  | 7.9       |
| 20°-30°   | 282.2  | 10.4      |
| 30°-40°   | 410.1  | 15.2      |
| 40°-50°   | 608.2  | 22.5      |
| 50°-60°   | 760.5  | 28.1      |
| 60°-70°   | 300.0  | 11.1      |
| 70°-80°   | 29.9   | 1.1       |
| 80°-90°   | 2.3    | 0.1       |
| 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°    | 2706.0 | 100.0     |
| 0°-180°   | 2706.0 | 100.0     |

**Coefficient of Utilization**



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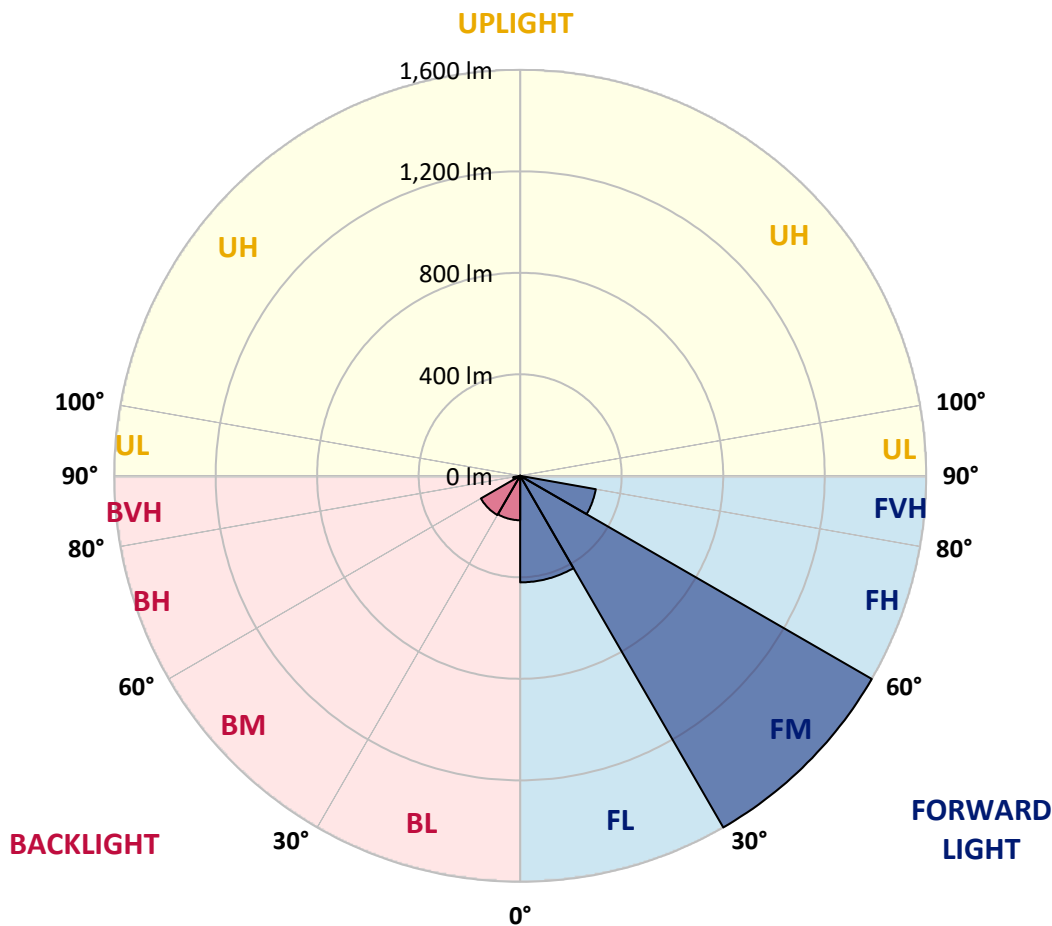
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 420.0  | 15.5      |                         |      |        |
| FM   | (30°-60°)   | 1600.1 | 59.1      |                         |      |        |
| FH   | (60°-80°)   | 302.4  | 11.2      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 1.0    | 0.0       |                         |      | G0/10  |
| BL   | (0°-30°)    | 174.9  | 6.5       | B1/500                  |      |        |
| BM   | (30°-60°)   | 178.8  | 6.6       | B0/220                  |      |        |
| BH   | (60°-80°)   | 27.4   | 1.0       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 1.3    | 0.0       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B1-U0-G0**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 54°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 |
| 2.5°  | 1261.5 | 1248.4 | 1249.4 | 1244.9 | 1238.8 | 1243.4 | 1223.7 | 1228.3 | 1227.8 | 1201.1 | 1183.5 |
| 5°    | 1229.8 | 1243.9 | 1229.3 | 1241.3 | 1229.8 | 1242.3 | 1230.3 | 1221.2 | 1206.6 | 1187.0 | 1154.3 |
| 7.5°  | 1175.9 | 1162.3 | 1166.4 | 1181.5 | 1184.0 | 1212.2 | 1197.1 | 1208.6 | 1202.6 | 1163.9 | 1119.1 |
| 10°   | 1067.7 | 1064.7 | 1084.9 | 1105.0 | 1129.6 | 1159.8 | 1171.4 | 1164.9 | 1160.3 | 1145.7 | 1085.9 |
| 12.5° | 984.7  | 993.3  | 992.8  | 1026.0 | 1067.7 | 1084.9 | 1115.0 | 1114.0 | 1139.2 | 1112.0 | 1054.7 |
| 15°   | 905.7  | 910.2  | 931.4  | 952.0  | 998.3  | 1047.1 | 1084.3 | 1089.4 | 1119.6 | 1100.5 | 1030.5 |
| 17.5° | 857.4  | 850.9  | 867.5  | 892.1  | 939.4  | 1003.3 | 1044.6 | 1056.7 | 1097.9 | 1093.9 | 1002.8 |
| 20°   | 809.6  | 809.6  | 823.2  | 852.4  | 895.7  | 967.6  | 1041.1 | 1037.6 | 1097.9 | 1086.4 | 973.1  |
| 22.5° | 793.5  | 801.6  | 805.1  | 827.2  | 878.5  | 940.4  | 1026.0 | 1032.5 | 1106.5 | 1082.8 | 960.1  |
| 25°   | 815.7  | 805.1  | 806.1  | 823.7  | 872.0  | 927.4  | 1014.9 | 1029.5 | 1122.1 | 1100.5 | 949.5  |
| 27.5° | 819.2  | 829.7  | 832.8  | 844.8  | 877.0  | 931.4  | 1042.6 | 1072.3 | 1160.8 | 1141.7 | 952.5  |
| 30°   | 849.9  | 860.4  | 859.9  | 880.6  | 902.7  | 964.1  | 1104.5 | 1110.5 | 1240.8 | 1193.5 | 971.1  |
| 32.5° | 887.1  | 898.2  | 901.7  | 925.8  | 943.5  | 1024.0 | 1180.0 | 1195.6 | 1317.8 | 1275.1 | 1019.9 |
| 35°   | 933.4  | 929.4  | 945.5  | 969.6  | 1007.4 | 1111.5 | 1272.0 | 1298.2 | 1400.8 | 1380.7 | 1070.3 |
| 37.5° | 991.3  | 986.2  | 1001.8 | 1041.1 | 1092.4 | 1215.2 | 1357.1 | 1374.2 | 1461.2 | 1478.8 | 1163.3 |
| 40°   | 1032.0 | 1034.0 | 1081.3 | 1134.2 | 1188.5 | 1313.8 | 1410.9 | 1427.5 | 1503.5 | 1570.4 | 1233.8 |
| 42.5° | 1099.9 | 1112.5 | 1169.4 | 1233.8 | 1290.7 | 1387.8 | 1454.7 | 1470.8 | 1523.1 | 1643.9 | 1328.9 |
| 45°   | 1198.6 | 1193.0 | 1255.9 | 1327.9 | 1390.8 | 1464.8 | 1506.5 | 1501.0 | 1534.7 | 1716.8 | 1388.8 |
| 47.5° | 1325.4 | 1326.4 | 1368.1 | 1429.5 | 1494.9 | 1531.7 | 1564.4 | 1544.8 | 1558.8 | 1793.8 | 1468.8 |
| 50°   | 1411.9 | 1419.5 | 1453.2 | 1516.1 | 1548.8 | 1605.1 | 1646.9 | 1634.8 | 1630.3 | 1840.1 | 1519.1 |
| 52.5° | 1434.1 | 1456.7 | 1474.8 | 1553.3 | 1629.8 | 1718.9 | 1772.2 | 1797.9 | 1717.3 | 1855.7 | 1583.0 |
| 55°   | 1267.0 | 1287.1 | 1351.0 | 1458.7 | 1660.5 | 1899.0 | 1972.5 | 1973.0 | 1831.1 | 1925.2 | 1627.8 |
| 57.5° | 1012.9 | 972.1  | 1011.4 | 1125.6 | 1403.9 | 1891.4 | 2070.1 | 2046.4 | 1887.9 | 1884.4 | 1589.0 |
| 60°   | 700.4  | 690.4  | 692.9  | 738.2  | 971.6  | 1504.5 | 1844.7 | 1875.3 | 1738.5 | 1633.3 | 1257.9 |
| 62.5° | 555.0  | 546.5  | 535.4  | 530.3  | 603.3  | 937.4  | 1301.2 | 1344.5 | 1215.7 | 1059.2 | 745.7  |
| 65°   | 434.7  | 429.7  | 431.2  | 451.4  | 450.8  | 531.9  | 711.5  | 693.9  | 555.5  | 410.6  | 234.5  |
| 67.5° | 293.4  | 300.9  | 306.9  | 367.8  | 399.0  | 370.3  | 343.7  | 333.6  | 180.6  | 76.0   | 51.8   |
| 70°   | 165.0  | 166.0  | 172.6  | 230.0  | 302.9  | 287.3  | 237.0  | 237.0  | 90.1   | 27.7   | 29.7   |
| 72.5° | 90.1   | 87.0   | 81.0   | 99.1   | 134.9  | 136.9  | 105.7  | 92.1   | 26.7   | 18.1   | 16.6   |
| 75°   | 43.8   | 43.3   | 37.2   | 30.7   | 29.2   | 24.2   | 18.6   | 17.1   | 12.1   | 11.6   | 10.1   |
| 77.5° | 9.1    | 8.6    | 4.5    | 4.5    | 5.0    | 5.5    | 7.0    | 7.0    | 8.6    | 8.6    | 7.0    |
| 80°   | 0.0    | 0.0    | 0.5    | 2.0    | 3.5    | 5.0    | 6.0    | 6.0    | 7.0    | 7.0    | 5.5    |
| 82.5° | 0.0    | 0.0    | 0.5    | 1.5    | 3.0    | 4.5    | 5.5    | 6.0    | 7.0    | 7.5    | 6.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 1.0    | 2.5    | 3.5    | 3.0    | 3.0    | 2.5    | 2.0    | 1.0    |
| 87.5° | 0.0    | 0.0    | 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    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 | 1192.0 |
| 2.5°  | 1174.4 | 1173.4 | 1150.3 | 1137.2 | 1113.5 | 1092.9 | 1076.3 | 1064.2 | 1064.2 | 1056.7 | 1049.6 |
| 5°    | 1141.2 | 1132.7 | 1083.3 | 1051.6 | 1006.9 | 973.7  | 951.0  | 933.4  | 905.7  | 913.3  | 883.6  |
| 7.5°  | 1099.9 | 1078.3 | 1012.9 | 964.6  | 902.7  | 855.4  | 807.1  | 764.3  | 723.1  | 704.4  | 714.5  |
| 10°   | 1055.7 | 1017.9 | 929.9  | 853.4  | 776.4  | 689.9  | 633.5  | 565.1  | 522.8  | 520.3  | 509.2  |
| 12.5° | 1008.9 | 966.1  | 858.9  | 753.3  | 652.1  | 548.0  | 461.9  | 398.0  | 369.3  | 337.6  | 343.7  |
| 15°   | 973.7  | 910.2  | 779.9  | 652.6  | 518.3  | 413.1  | 326.6  | 277.3  | 250.1  | 242.5  | 240.0  |
| 17.5° | 935.4  | 867.5  | 699.4  | 545.4  | 406.6  | 297.4  | 235.0  | 211.3  | 200.8  | 200.8  | 199.3  |
| 20°   | 895.7  | 819.2  | 619.4  | 445.8  | 304.9  | 221.9  | 188.2  | 180.6  | 180.1  | 179.6  | 179.6  |
| 22.5° | 869.5  | 763.8  | 547.0  | 354.2  | 230.0  | 177.6  | 163.5  | 160.5  | 162.5  | 168.6  | 168.6  |
| 25°   | 841.8  | 710.5  | 466.9  | 273.2  | 178.1  | 152.5  | 144.4  | 146.4  | 151.5  | 157.0  | 155.0  |
| 27.5° | 813.6  | 675.8  | 391.5  | 214.4  | 145.9  | 133.3  | 130.3  | 134.9  | 140.4  | 145.4  | 143.9  |
| 30°   | 807.1  | 638.5  | 320.0  | 162.5  | 125.3  | 116.2  | 118.2  | 122.3  | 127.8  | 129.8  | 131.8  |
| 32.5° | 817.2  | 609.3  | 262.2  | 133.3  | 109.2  | 106.7  | 106.7  | 108.7  | 112.2  | 116.7  | 115.2  |
| 35°   | 845.8  | 592.7  | 207.3  | 115.7  | 100.1  | 97.6   | 97.1   | 99.1   | 101.1  | 102.6  | 101.1  |
| 37.5° | 889.6  | 579.7  | 169.6  | 102.6  | 94.1   | 90.1   | 89.1   | 88.6   | 90.6   | 91.1   | 92.1   |
| 40°   | 945.5  | 586.7  | 143.9  | 94.6   | 88.1   | 83.5   | 80.5   | 80.5   | 80.5   | 82.0   | 82.5   |
| 42.5° | 1005.9 | 596.3  | 124.3  | 90.1   | 82.5   | 77.0   | 74.0   | 73.0   | 74.0   | 76.0   | 75.5   |
| 45°   | 1069.3 | 614.9  | 111.7  | 83.0   | 77.5   | 70.4   | 66.4   | 65.4   | 67.9   | 72.0   | 71.5   |
| 47.5° | 1128.6 | 641.6  | 102.1  | 78.5   | 72.5   | 65.9   | 60.9   | 59.9   | 64.4   | 69.9   | 70.4   |
| 50°   | 1188.0 | 687.8  | 98.6   | 75.0   | 68.9   | 61.4   | 56.9   | 55.9   | 60.9   | 67.9   | 69.4   |
| 52.5° | 1256.4 | 737.7  | 96.1   | 70.4   | 64.9   | 57.9   | 52.8   | 51.8   | 57.4   | 66.4   | 66.9   |
| 55°   | 1301.2 | 779.9  | 94.1   | 62.4   | 57.4   | 52.3   | 48.3   | 47.8   | 53.8   | 61.9   | 63.9   |
| 57.5° | 1248.9 | 721.1  | 87.0   | 54.3   | 48.8   | 46.3   | 42.8   | 42.8   | 47.8   | 55.3   | 56.9   |
| 60°   | 947.0  | 474.5  | 61.9   | 43.8   | 41.3   | 39.8   | 38.2   | 38.2   | 42.3   | 47.8   | 48.3   |
| 62.5° | 554.5  | 255.6  | 39.8   | 35.2   | 35.2   | 33.7   | 31.2   | 31.2   | 35.2   | 38.2   | 38.7   |
| 65°   | 164.5  | 82.0   | 32.2   | 30.2   | 29.7   | 27.2   | 24.7   | 24.2   | 27.2   | 28.7   | 28.2   |
| 67.5° | 47.3   | 37.7   | 26.7   | 25.2   | 24.7   | 20.6   | 19.1   | 18.6   | 19.1   | 18.1   | 17.6   |
| 70°   | 28.2   | 25.7   | 20.6   | 21.1   | 18.6   | 15.1   | 13.6   | 13.1   | 12.1   | 10.6   | 9.6    |
| 72.5° | 15.6   | 15.6   | 15.1   | 16.1   | 13.1   | 10.1   | 8.6    | 7.0    | 5.5    | 4.5    | 4.0    |
| 75°   | 9.6    | 10.1   | 10.6   | 11.1   | 8.6    | 6.5    | 5.5    | 3.5    | 2.0    | 1.0    | 1.0    |
| 77.5° | 6.5    | 7.0    | 7.5    | 8.1    | 7.0    | 6.0    | 4.5    | 2.5    | 0.5    | 0.0    | 0.0    |
| 80°   | 5.0    | 5.5    | 6.5    | 7.0    | 7.5    | 8.1    | 6.0    | 2.5    | 0.5    | 0.0    | 0.0    |
| 82.5° | 5.5    | 6.0    | 7.5    | 7.0    | 7.0    | 7.0    | 5.5    | 2.5    | 0.5    | 0.0    | 0.0    |
| 85°   | 1.0    | 1.5    | 2.5    | 2.5    | 3.5    | 4.5    | 3.5    | 1.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 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    | 0.0    |

(END OF REPORT)