

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: P526252

Luminaire Tested: **GLAN-SA1B-722-U-AFL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1B-722-U-AFL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2200K, 800mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3819 lumens  
Efficiency: N/A  
Efficacy: 86.8 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): 44  
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

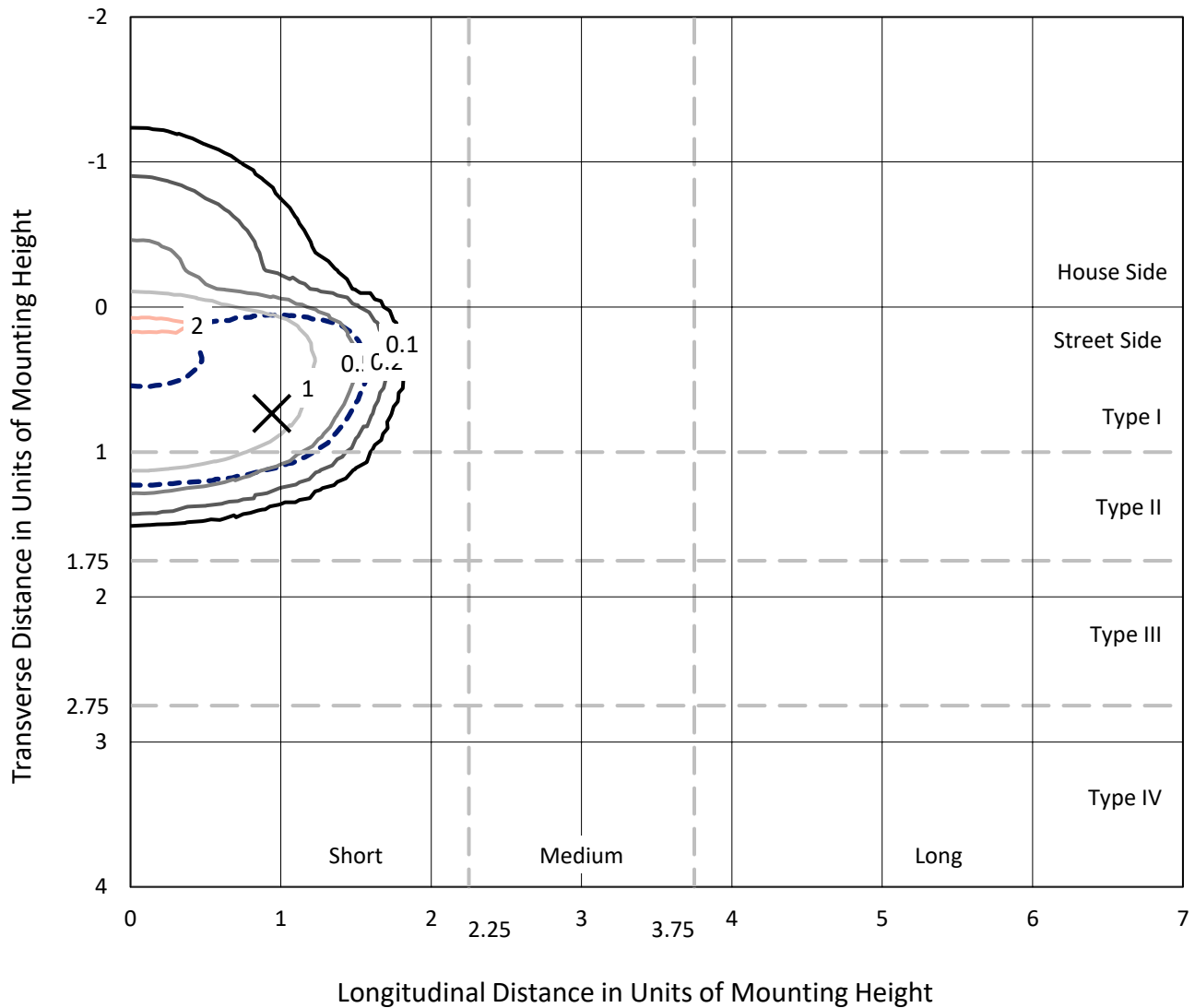


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## Iso-Footcandle Lines of Horizontal Illumination

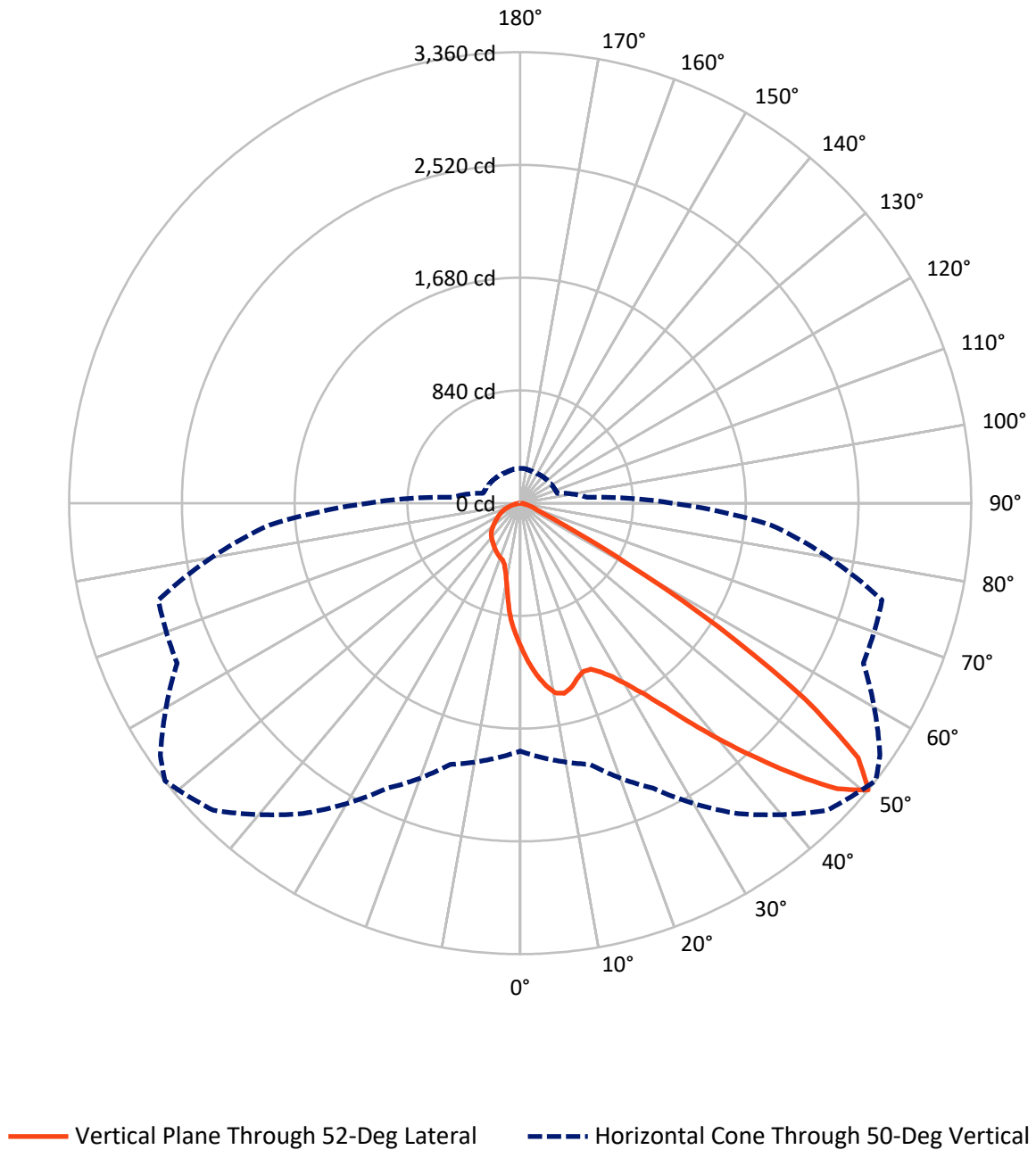
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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    | 717.9    | 0.0    | 717.9  |
|                    | % Fixture | 18.8     | 0.0    | 18.8   |
| <b>Street Side</b> | Lumens    | 3101.1   | 0.0    | 3101.1 |
|                    | % Fixture | 81.2     | 0.0    | 81.2   |
| <b>Total</b>       | Lumens    | 3819.0   | 0.0    | 3819.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.2   | 2.6       |
| 10°-20°   | 265.9  | 7.0       |
| 20°-30°   | 448.0  | 11.7      |
| 30°-40°   | 751.7  | 19.7      |
| 40°-50°   | 1149.9 | 30.1      |
| 50°-60°   | 838.4  | 22.0      |
| 60°-70°   | 186.6  | 4.9       |
| 70°-80°   | 67.3   | 1.8       |
| 80°-90°   | 11.9   | 0.3       |
| 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°    | 3819.0 | 100.0     |
| 0°-180°   | 3819.0 | 100.0     |

**Coefficient of Utilization**



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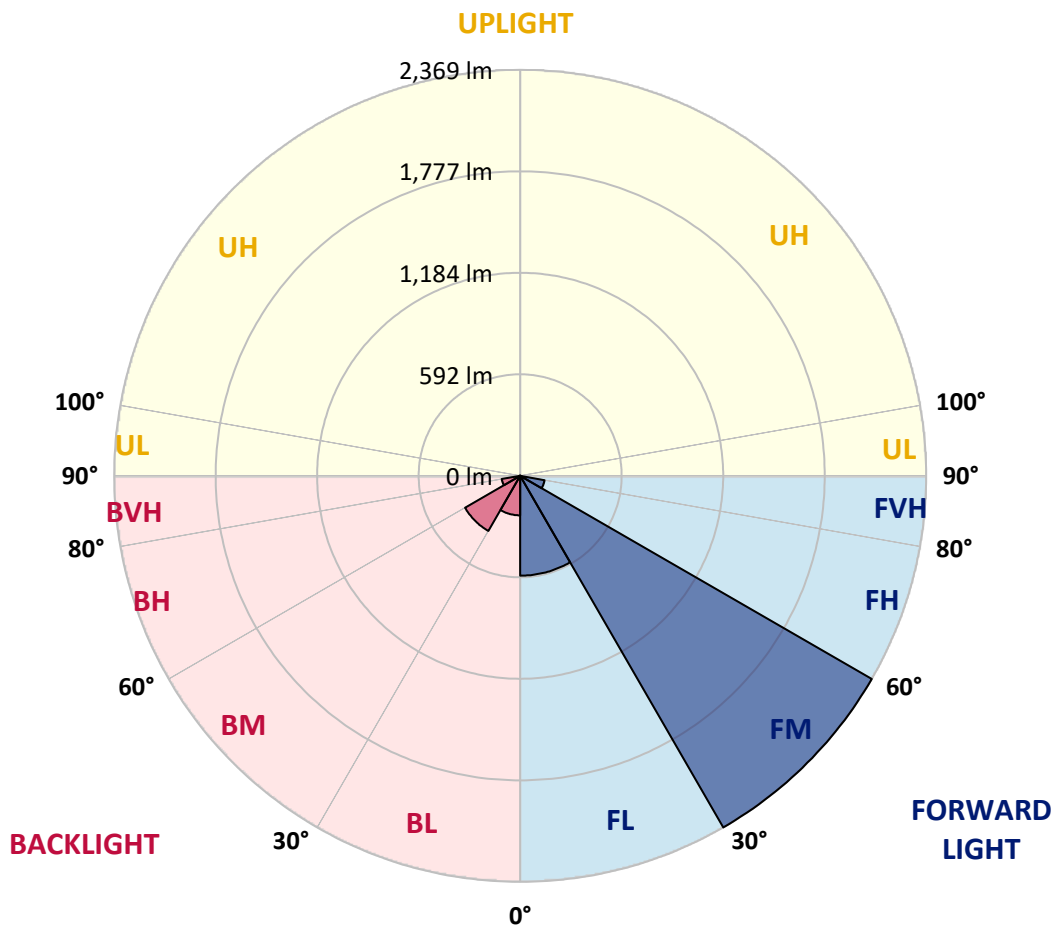
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 582.5  | 15.3      |                         |      |        |
| FM   | (30°-60°)   | 2368.7 | 62.0      |                         |      |        |
| FH   | (60°-80°)   | 144.5  | 3.8       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 5.3    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 230.6  | 6.0       | B1/500                  |      |        |
| BM   | (30°-60°)   | 371.3  | 9.7       | B1/1000                 |      |        |
| BH   | (60°-80°)   | 109.4  | 2.9       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 6.6    | 0.2       |                         |      | 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°    | 52°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 |
| 2.5°  | 1267.5 | 1243.1 | 1245.9 | 1228.4 | 1209.5 | 1204.0 | 1184.7 | 1166.3 | 1152.5 | 1123.0 | 1095.8 |
| 5°    | 1385.3 | 1378.0 | 1366.9 | 1353.1 | 1338.9 | 1303.9 | 1284.1 | 1261.1 | 1210.4 | 1164.9 | 1119.8 |
| 7.5°  | 1402.4 | 1401.0 | 1407.0 | 1407.0 | 1412.0 | 1398.7 | 1370.6 | 1354.5 | 1300.7 | 1226.6 | 1142.8 |
| 10°   | 1282.7 | 1286.8 | 1315.8 | 1353.6 | 1406.0 | 1442.4 | 1437.8 | 1433.7 | 1374.8 | 1273.5 | 1169.9 |
| 12.5° | 1187.4 | 1178.2 | 1195.3 | 1227.5 | 1306.2 | 1394.1 | 1453.5 | 1453.9 | 1438.7 | 1348.5 | 1189.7 |
| 15°   | 1133.6 | 1140.0 | 1144.6 | 1159.8 | 1219.2 | 1320.9 | 1425.4 | 1456.2 | 1523.0 | 1401.4 | 1221.0 |
| 17.5° | 1168.1 | 1146.5 | 1145.5 | 1149.2 | 1179.6 | 1256.0 | 1373.4 | 1426.3 | 1569.0 | 1469.6 | 1259.7 |
| 20°   | 1213.2 | 1212.7 | 1199.9 | 1195.3 | 1194.8 | 1262.9 | 1339.3 | 1411.1 | 1593.4 | 1557.9 | 1298.8 |
| 22.5° | 1292.4 | 1292.4 | 1271.2 | 1261.1 | 1239.4 | 1295.1 | 1343.9 | 1392.7 | 1633.9 | 1618.7 | 1317.7 |
| 25°   | 1424.9 | 1403.3 | 1366.9 | 1342.1 | 1329.6 | 1349.4 | 1392.7 | 1436.4 | 1669.3 | 1683.1 | 1356.8 |
| 27.5° | 1547.3 | 1513.3 | 1495.3 | 1452.5 | 1436.0 | 1424.5 | 1464.0 | 1508.2 | 1710.7 | 1783.4 | 1378.0 |
| 30°   | 1686.3 | 1680.4 | 1648.1 | 1592.9 | 1551.9 | 1530.8 | 1567.1 | 1610.9 | 1786.7 | 1886.1 | 1426.8 |
| 32.5° | 1934.9 | 1880.6 | 1836.8 | 1769.2 | 1702.4 | 1657.3 | 1693.2 | 1722.2 | 1912.8 | 1993.3 | 1480.1 |
| 35°   | 2203.2 | 2185.7 | 2110.2 | 1988.3 | 1886.1 | 1845.6 | 1866.8 | 1888.4 | 2059.6 | 2157.2 | 1569.9 |
| 37.5° | 2466.9 | 2443.0 | 2380.8 | 2278.2 | 2153.9 | 2071.6 | 2086.8 | 2112.1 | 2224.4 | 2378.1 | 1679.4 |
| 40°   | 2656.5 | 2627.1 | 2595.8 | 2580.6 | 2457.2 | 2344.5 | 2335.7 | 2342.2 | 2447.1 | 2585.2 | 1800.9 |
| 42.5° | 2670.3 | 2706.7 | 2716.4 | 2777.6 | 2748.6 | 2656.1 | 2602.2 | 2603.6 | 2659.8 | 2790.0 | 1923.8 |
| 45°   | 2641.3 | 2607.7 | 2679.1 | 2846.2 | 2941.9 | 2985.1 | 2894.5 | 2883.0 | 2791.4 | 2908.7 | 1985.0 |
| 47.5° | 2337.1 | 2346.3 | 2466.9 | 2731.1 | 3007.7 | 3201.0 | 3179.8 | 3141.6 | 2861.8 | 2904.6 | 1975.4 |
| 50°   | 1847.4 | 1903.1 | 2015.0 | 2344.0 | 2823.6 | 3235.1 | 3359.8 | 3271.4 | 2819.9 | 2790.5 | 1876.9 |
| 52.5° | 1230.2 | 1253.2 | 1326.9 | 1751.7 | 2270.4 | 2891.7 | 3152.7 | 3172.9 | 2781.3 | 2640.9 | 1752.2 |
| 55°   | 547.7  | 545.9  | 649.4  | 915.0  | 1424.5 | 2200.4 | 2576.0 | 2699.3 | 2632.6 | 2488.5 | 1630.6 |
| 57.5° | 232.0  | 239.8  | 282.1  | 395.4  | 700.5  | 1327.8 | 1745.2 | 1853.4 | 2024.6 | 2043.5 | 1250.9 |
| 60°   | 156.9  | 157.9  | 169.4  | 197.9  | 293.2  | 623.6  | 915.4  | 1045.2 | 1167.6 | 1159.4 | 663.7  |
| 62.5° | 123.3  | 126.6  | 135.3  | 146.8  | 174.0  | 283.1  | 409.6  | 481.9  | 489.7  | 411.9  | 251.8  |
| 65°   | 105.4  | 105.9  | 114.6  | 124.3  | 136.2  | 164.8  | 197.4  | 201.1  | 203.4  | 196.1  | 185.0  |
| 67.5° | 87.0   | 87.9   | 94.8   | 105.9  | 116.9  | 126.1  | 135.3  | 139.9  | 150.5  | 171.2  | 168.4  |
| 70°   | 69.0   | 70.4   | 76.4   | 85.6   | 95.7   | 101.3  | 112.8  | 116.9  | 126.6  | 142.7  | 149.1  |
| 72.5° | 52.5   | 52.9   | 58.0   | 64.4   | 73.6   | 79.2   | 88.8   | 93.4   | 99.9   | 113.7  | 119.7  |
| 75°   | 37.7   | 39.1   | 42.8   | 46.0   | 47.4   | 51.1   | 60.3   | 65.4   | 74.6   | 80.5   | 81.0   |
| 77.5° | 19.8   | 20.7   | 21.6   | 21.6   | 26.2   | 33.1   | 39.1   | 41.9   | 48.3   | 52.9   | 50.6   |
| 80°   | 7.8    | 8.3    | 10.6   | 14.3   | 18.4   | 23.9   | 28.1   | 29.5   | 35.0   | 37.7   | 39.1   |
| 82.5° | 4.6    | 5.1    | 6.9    | 10.1   | 13.3   | 17.0   | 20.3   | 21.6   | 25.3   | 28.5   | 29.5   |
| 85°   | 2.3    | 2.8    | 4.1    | 6.4    | 8.7    | 10.6   | 10.1   | 9.7    | 9.7    | 9.2    | 9.7    |
| 87.5° | 0.9    | 0.9    | 1.4    | 1.4    | 1.4    | 1.8    | 2.3    | 2.3    | 2.3    | 2.8    | 2.8    |
| 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°    | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 | 1076.5 |
| 2.5°  | 1077.9 | 1059.5 | 1042.5 | 1011.2 | 977.1  | 967.4  | 927.9  | 913.6  | 903.5  | 891.5  | 887.8  |
| 5°    | 1083.4 | 1059.0 | 1004.3 | 941.2  | 891.0  | 826.6  | 784.3  | 738.7  | 705.6  | 697.3  | 695.0  |
| 7.5°  | 1094.9 | 1053.0 | 958.7  | 863.4  | 760.8  | 673.3  | 606.6  | 570.7  | 538.9  | 537.1  | 533.9  |
| 10°   | 1107.8 | 1035.1 | 909.0  | 759.4  | 628.2  | 547.2  | 507.2  | 491.5  | 483.7  | 481.9  | 481.0  |
| 12.5° | 1118.4 | 1031.4 | 853.3  | 658.2  | 534.3  | 485.6  | 473.6  | 472.2  | 475.4  | 476.4  | 478.2  |
| 15°   | 1123.0 | 1016.7 | 786.1  | 567.5  | 475.9  | 457.9  | 463.0  | 468.5  | 470.8  | 476.8  | 472.2  |
| 17.5° | 1131.7 | 997.8  | 703.3  | 495.7  | 443.2  | 446.4  | 455.2  | 461.6  | 465.3  | 469.4  | 463.5  |
| 20°   | 1136.3 | 980.8  | 625.5  | 452.9  | 431.7  | 437.7  | 449.7  | 454.7  | 459.3  | 461.2  | 454.3  |
| 22.5° | 1132.2 | 945.8  | 556.9  | 418.4  | 420.7  | 428.5  | 439.1  | 444.6  | 441.8  | 434.5  | 430.3  |
| 25°   | 1121.2 | 896.6  | 485.6  | 396.3  | 405.0  | 418.8  | 427.1  | 423.0  | 417.9  | 413.8  | 412.4  |
| 27.5° | 1120.7 | 836.3  | 434.0  | 376.0  | 391.7  | 410.5  | 407.8  | 404.1  | 406.4  | 403.2  | 399.5  |
| 30°   | 1123.0 | 777.8  | 391.7  | 364.5  | 382.0  | 391.2  | 394.4  | 390.7  | 393.5  | 387.5  | 389.4  |
| 32.5° | 1111.0 | 720.7  | 364.1  | 351.2  | 370.5  | 370.0  | 380.6  | 383.4  | 376.9  | 364.5  | 366.4  |
| 35°   | 1116.1 | 674.7  | 340.6  | 345.2  | 357.6  | 357.6  | 365.9  | 362.7  | 345.6  | 338.3  | 340.1  |
| 37.5° | 1151.1 | 629.6  | 329.1  | 336.9  | 345.2  | 348.9  | 346.1  | 332.3  | 328.2  | 328.2  | 329.1  |
| 40°   | 1184.2 | 591.0  | 322.2  | 335.1  | 333.7  | 336.0  | 315.7  | 317.1  | 317.1  | 317.6  | 315.3  |
| 42.5° | 1213.7 | 564.7  | 316.6  | 324.0  | 326.3  | 314.3  | 301.9  | 300.5  | 303.8  | 303.3  | 301.5  |
| 45°   | 1224.3 | 543.1  | 308.8  | 311.6  | 313.4  | 293.6  | 287.7  | 284.9  | 288.6  | 290.0  | 291.8  |
| 47.5° | 1183.7 | 525.1  | 300.1  | 294.6  | 290.9  | 278.0  | 270.2  | 265.1  | 269.7  | 277.5  | 279.4  |
| 50°   | 1131.7 | 501.7  | 286.3  | 275.7  | 267.9  | 262.3  | 256.8  | 251.8  | 255.0  | 260.5  | 259.1  |
| 52.5° | 1054.9 | 464.8  | 268.8  | 257.7  | 244.4  | 245.8  | 240.7  | 237.9  | 239.8  | 239.8  | 238.4  |
| 55°   | 945.3  | 382.0  | 239.3  | 231.5  | 220.5  | 224.1  | 225.1  | 221.4  | 217.7  | 220.9  | 218.2  |
| 57.5° | 645.3  | 269.7  | 213.6  | 213.6  | 202.5  | 207.6  | 207.1  | 198.4  | 189.6  | 190.5  | 188.7  |
| 60°   | 373.3  | 214.9  | 197.0  | 195.1  | 183.6  | 187.8  | 188.7  | 182.7  | 169.4  | 170.3  | 168.4  |
| 62.5° | 212.2  | 183.6  | 172.1  | 169.4  | 167.1  | 170.8  | 170.8  | 162.9  | 151.4  | 152.3  | 150.5  |
| 65°   | 180.4  | 170.3  | 153.7  | 153.3  | 152.3  | 153.3  | 149.6  | 141.3  | 131.2  | 127.0  | 127.5  |
| 67.5° | 163.8  | 157.4  | 141.3  | 137.2  | 134.4  | 133.9  | 127.0  | 119.2  | 114.6  | 110.9  | 110.5  |
| 70°   | 143.6  | 138.5  | 126.6  | 121.0  | 118.3  | 111.8  | 104.9  | 99.9   | 93.4   | 91.6   | 93.4   |
| 72.5° | 113.7  | 113.2  | 108.6  | 102.6  | 96.7   | 91.6   | 85.6   | 78.7   | 72.7   | 71.3   | 68.1   |
| 75°   | 78.7   | 79.6   | 80.5   | 79.6   | 74.6   | 68.1   | 61.2   | 55.7   | 48.3   | 44.2   | 43.3   |
| 77.5° | 51.5   | 52.9   | 54.3   | 52.5   | 49.2   | 43.3   | 38.7   | 31.8   | 26.2   | 23.0   | 22.6   |
| 80°   | 37.7   | 39.6   | 40.5   | 39.1   | 35.4   | 30.8   | 25.8   | 20.3   | 16.1   | 13.3   | 13.3   |
| 82.5° | 29.0   | 30.8   | 31.8   | 29.5   | 25.8   | 22.1   | 18.4   | 14.3   | 11.0   | 8.7    | 8.3    |
| 85°   | 10.1   | 9.7    | 11.5   | 12.0   | 14.3   | 13.3   | 11.0   | 8.3    | 6.4    | 4.6    | 4.1    |
| 87.5° | 2.8    | 2.8    | 3.2    | 3.2    | 2.8    | 2.3    | 2.3    | 2.3    | 1.8    | 1.4    | 1.4    |
| 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)