

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: P526180

Luminaire Tested: **GLAN-SA1A-760-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1A-760-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3914 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

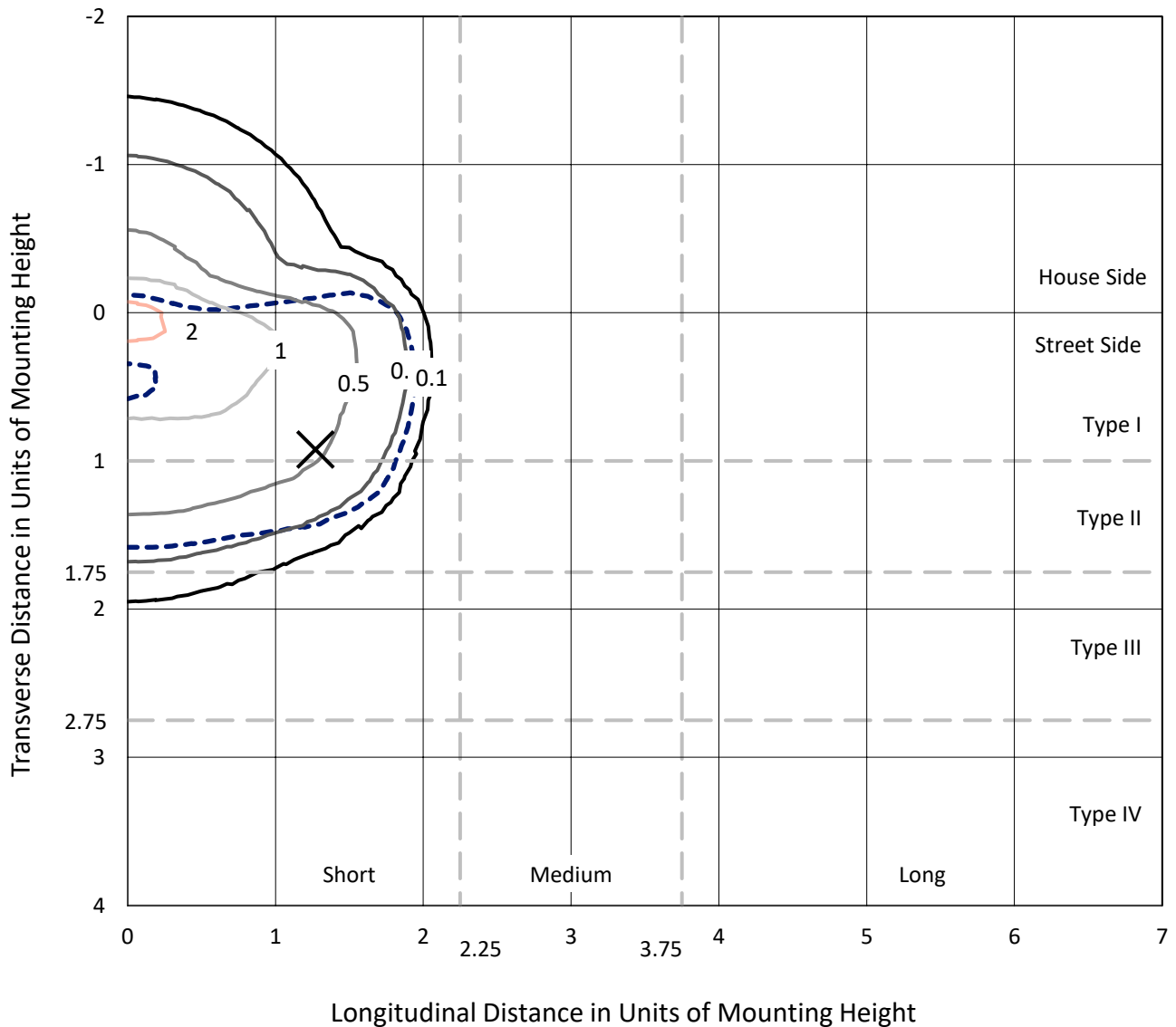
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

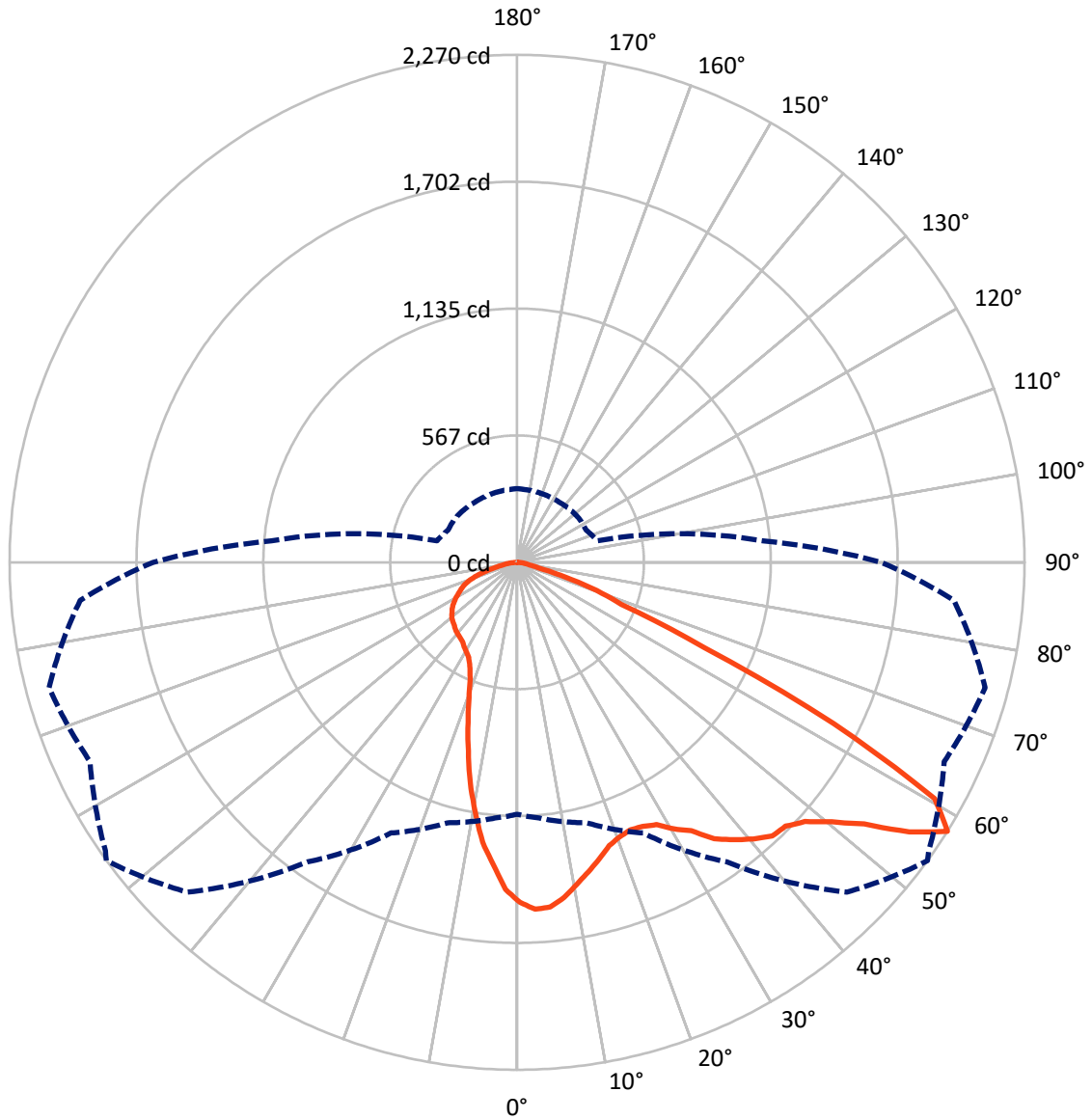
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1082.8   | 0.0    | 1082.8 |
|                    | % Fixture | 27.7     | 0.0    | 27.7   |
| <b>Street Side</b> | Lumens    | 2831.2   | 0.0    | 2831.2 |
|                    | % Fixture | 72.3     | 0.0    | 72.3   |
| <b>Total</b>       | Lumens    | 3914.0   | 0.0    | 3914.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 131.2  | 3.4       |
| 10°-20°   | 303.8  | 7.8       |
| 20°-30°   | 426.8  | 10.9      |
| 30°-40°   | 596.7  | 15.2      |
| 40°-50°   | 807.8  | 20.6      |
| 50°-60°   | 983.9  | 25.1      |
| 60°-70°   | 512.5  | 13.1      |
| 70°-80°   | 131.3  | 3.4       |
| 80°-90°   | 20.0   | 0.5       |
| 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°    | 3914.0 | 100.0     |
| 0°-180°   | 3914.0 | 100.0     |

**Coefficient of Utilization**

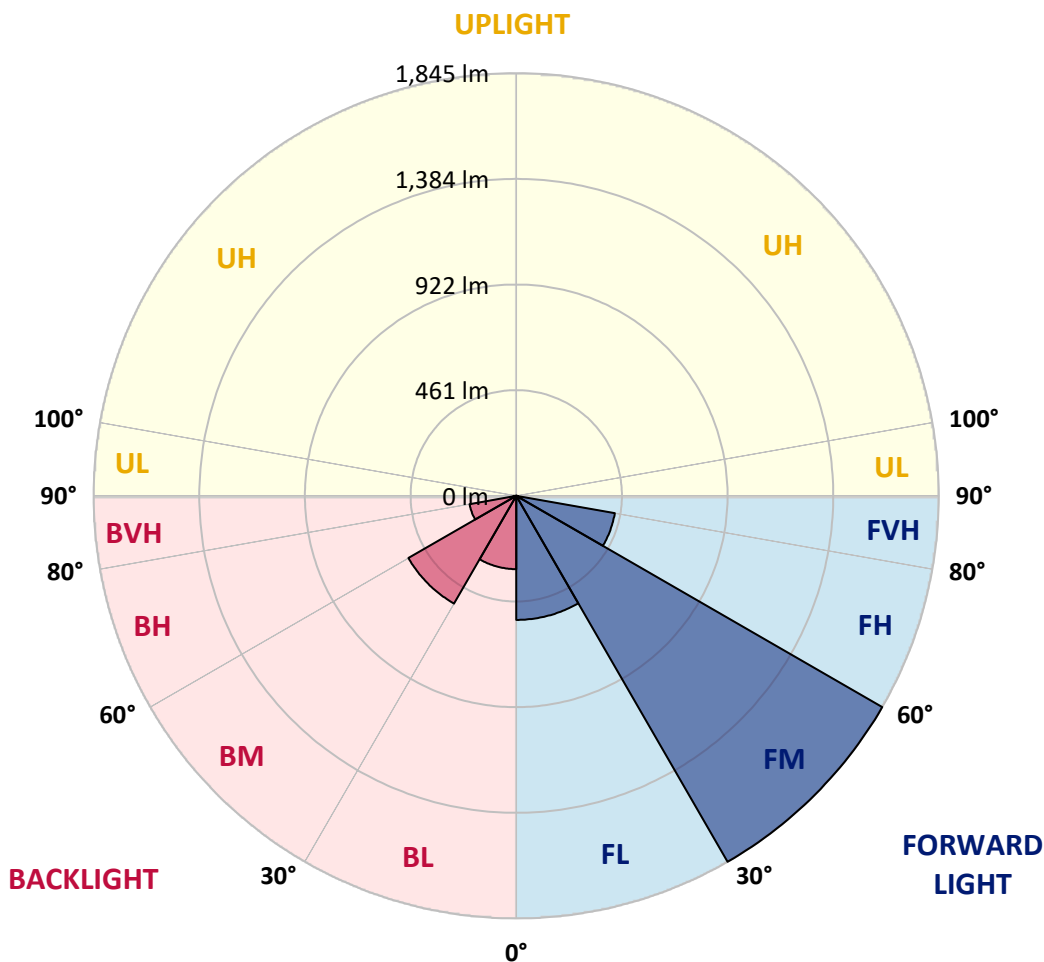


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 541.8  | 13.8      |                         |      |        |
| FM (30°-60°)   | 1844.9 | 47.1      |                         |      |        |
| FH (60°-80°)   | 436.9  | 11.2      |                         |      | G0/660 |
| FVH (80°-90°)  | 7.6    | 0.2       |                         |      | G0/10  |
| BL (0°-30°)    | 320.0  | 8.2       | B1/500                  |      |        |
| BM (30°-60°)   | 543.5  | 13.9      | B1/1000                 |      |        |
| BH (60°-80°)   | 206.9  | 5.3       | B1/500                  |      | G1/500 |
| BVH (80°-90°)  | 12.5   | 0.3       |                         |      | 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 Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 54°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 |
| 2.5°  | 1564.6 | 1558.6 | 1559.6 | 1567.6 | 1557.5 | 1553.5 | 1553.5 | 1533.9 | 1535.4 | 1521.8 | 1518.3 |
| 5°    | 1528.4 | 1514.3 | 1523.8 | 1535.9 | 1537.9 | 1542.0 | 1548.5 | 1543.5 | 1529.4 | 1514.8 | 1491.1 |
| 7.5°  | 1433.8 | 1446.4 | 1449.9 | 1458.4 | 1476.6 | 1493.2 | 1513.8 | 1499.7 | 1499.2 | 1484.6 | 1470.5 |
| 10°   | 1350.8 | 1343.2 | 1362.4 | 1374.9 | 1405.1 | 1432.8 | 1464.5 | 1463.0 | 1470.5 | 1453.9 | 1429.8 |
| 12.5° | 1268.3 | 1262.2 | 1271.3 | 1300.0 | 1342.2 | 1382.5 | 1420.2 | 1406.1 | 1446.4 | 1443.3 | 1391.5 |
| 15°   | 1180.7 | 1185.3 | 1198.3 | 1225.0 | 1280.3 | 1328.6 | 1376.4 | 1376.9 | 1412.7 | 1424.7 | 1355.3 |
| 17.5° | 1119.4 | 1114.3 | 1130.9 | 1170.7 | 1220.0 | 1277.8 | 1332.2 | 1343.2 | 1398.1 | 1405.1 | 1344.2 |
| 20°   | 1073.6 | 1080.6 | 1102.3 | 1122.4 | 1179.2 | 1249.2 | 1310.5 | 1314.6 | 1395.1 | 1414.2 | 1326.6 |
| 22.5° | 1062.5 | 1058.5 | 1065.5 | 1098.2 | 1145.0 | 1221.0 | 1299.0 | 1314.1 | 1394.5 | 1411.2 | 1293.4 |
| 25°   | 1050.9 | 1064.0 | 1063.5 | 1096.2 | 1130.4 | 1198.3 | 1308.5 | 1325.1 | 1421.2 | 1426.7 | 1298.0 |
| 27.5° | 1077.1 | 1075.6 | 1089.7 | 1092.2 | 1134.5 | 1204.4 | 1328.6 | 1341.2 | 1465.5 | 1461.0 | 1301.5 |
| 30°   | 1103.3 | 1095.7 | 1104.3 | 1134.0 | 1153.6 | 1239.1 | 1384.0 | 1383.0 | 1522.8 | 1519.8 | 1312.5 |
| 32.5° | 1135.5 | 1131.9 | 1137.5 | 1163.6 | 1196.8 | 1285.4 | 1430.8 | 1460.5 | 1581.2 | 1600.3 | 1350.8 |
| 35°   | 1141.5 | 1156.1 | 1169.2 | 1204.4 | 1251.7 | 1360.3 | 1518.8 | 1543.5 | 1648.6 | 1708.5 | 1423.7 |
| 37.5° | 1179.7 | 1185.3 | 1216.0 | 1278.3 | 1321.6 | 1460.5 | 1574.7 | 1590.2 | 1710.0 | 1777.9 | 1500.7 |
| 40°   | 1220.5 | 1227.0 | 1273.3 | 1338.7 | 1398.1 | 1525.9 | 1627.0 | 1632.0 | 1729.6 | 1831.2 | 1551.0 |
| 42.5° | 1275.8 | 1281.9 | 1327.6 | 1409.6 | 1489.1 | 1581.7 | 1673.3 | 1678.8 | 1728.1 | 1892.6 | 1631.0 |
| 45°   | 1333.2 | 1347.8 | 1401.6 | 1494.7 | 1566.1 | 1647.1 | 1683.8 | 1706.5 | 1742.2 | 1947.4 | 1695.9 |
| 47.5° | 1413.7 | 1427.3 | 1471.5 | 1562.6 | 1646.1 | 1704.4 | 1732.6 | 1754.8 | 1775.9 | 1995.2 | 1737.7 |
| 50°   | 1499.2 | 1501.7 | 1555.5 | 1638.0 | 1699.4 | 1769.3 | 1823.7 | 1831.2 | 1820.2 | 2050.6 | 1808.6 |
| 52.5° | 1562.1 | 1570.1 | 1611.9 | 1692.4 | 1783.9 | 1870.0 | 1944.4 | 1952.5 | 1930.8 | 2071.2 | 1832.7 |
| 55°   | 1457.9 | 1453.4 | 1521.3 | 1628.5 | 1840.8 | 2019.9 | 2128.0 | 2134.1 | 2011.3 | 2135.1 | 1911.7 |
| 57.5° | 1126.9 | 1148.5 | 1206.4 | 1335.7 | 1635.5 | 2086.3 | 2269.9 | 2248.3 | 2107.9 | 2167.3 | 1962.0 |
| 60°   | 819.0  | 814.0  | 852.7  | 939.3  | 1232.6 | 1798.0 | 2146.2 | 2168.3 | 2028.9 | 1953.5 | 1617.9 |
| 62.5° | 667.1  | 660.0  | 663.1  | 666.1  | 795.4  | 1193.3 | 1588.7 | 1588.2 | 1562.6 | 1404.1 | 1091.2 |
| 65°   | 533.3  | 549.9  | 551.4  | 574.0  | 590.6  | 712.9  | 920.6  | 969.9  | 844.7  | 692.7  | 502.6  |
| 67.5° | 402.0  | 395.9  | 416.1  | 496.5  | 527.7  | 514.7  | 502.6  | 508.1  | 361.2  | 260.6  | 245.5  |
| 70°   | 237.0  | 234.4  | 258.6  | 346.1  | 434.7  | 409.0  | 378.8  | 379.3  | 248.0  | 182.1  | 202.7  |
| 72.5° | 129.8  | 129.3  | 134.3  | 175.6  | 247.0  | 256.6  | 227.4  | 234.4  | 147.9  | 147.4  | 158.5  |
| 75°   | 72.4   | 70.9   | 69.4   | 77.5   | 89.0   | 94.1   | 96.1   | 97.1   | 101.6  | 113.7  | 118.2  |
| 77.5° | 26.7   | 25.7   | 25.7   | 29.7   | 37.7   | 47.3   | 59.9   | 60.9   | 71.9   | 82.5   | 87.0   |
| 80°   | 9.1    | 10.1   | 13.6   | 18.6   | 25.2   | 33.7   | 40.7   | 41.8   | 50.8   | 57.9   | 59.4   |
| 82.5° | 5.5    | 6.0    | 9.1    | 13.1   | 18.1   | 23.6   | 30.2   | 30.7   | 37.7   | 42.3   | 44.3   |
| 85°   | 2.5    | 3.0    | 5.0    | 8.0    | 11.6   | 15.6   | 16.1   | 16.1   | 15.6   | 16.1   | 15.1   |
| 87.5° | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    | 1.5    | 2.0    | 1.5    | 2.5    | 3.0    | 3.0    |
| 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°    | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 | 1521.3 |
| 2.5°  | 1507.7 | 1502.2 | 1485.1 | 1470.0 | 1465.5 | 1445.4 | 1415.7 | 1419.2 | 1397.6 | 1407.6 | 1397.1 |
| 5°    | 1487.1 | 1468.5 | 1424.7 | 1406.1 | 1357.3 | 1335.2 | 1320.1 | 1282.4 | 1264.8 | 1261.2 | 1246.1 |
| 7.5°  | 1434.3 | 1422.7 | 1367.9 | 1317.6 | 1265.8 | 1221.5 | 1164.6 | 1125.9 | 1098.2 | 1090.7 | 1068.6 |
| 10°   | 1392.5 | 1366.9 | 1290.9 | 1214.4 | 1140.5 | 1063.5 | 989.6  | 931.7  | 903.5  | 870.8  | 859.8  |
| 12.5° | 1351.3 | 1312.5 | 1209.9 | 1111.8 | 1016.2 | 919.1  | 829.6  | 759.2  | 697.8  | 683.2  | 678.2  |
| 15°   | 1325.6 | 1258.2 | 1137.5 | 1019.2 | 883.4  | 756.6  | 667.1  | 620.8  | 583.1  | 567.5  | 578.5  |
| 17.5° | 1291.9 | 1213.4 | 1068.0 | 910.6  | 761.2  | 644.5  | 569.5  | 540.8  | 527.2  | 528.7  | 524.2  |
| 20°   | 1249.7 | 1171.2 | 977.0  | 812.0  | 652.0  | 558.9  | 516.2  | 505.6  | 507.6  | 511.1  | 509.6  |
| 22.5° | 1219.5 | 1119.9 | 911.1  | 711.4  | 563.5  | 511.6  | 494.0  | 486.5  | 493.0  | 496.0  | 493.5  |
| 25°   | 1196.3 | 1076.1 | 831.1  | 622.3  | 512.1  | 485.0  | 476.9  | 476.4  | 486.5  | 490.5  | 488.0  |
| 27.5° | 1175.2 | 1035.3 | 751.6  | 554.4  | 477.9  | 464.3  | 461.8  | 467.9  | 474.4  | 478.4  | 482.0  |
| 30°   | 1162.6 | 1004.2 | 677.2  | 497.6  | 460.8  | 454.3  | 449.8  | 455.3  | 458.8  | 462.8  | 460.8  |
| 32.5° | 1174.7 | 982.0  | 605.2  | 465.4  | 446.7  | 440.2  | 446.2  | 442.7  | 448.8  | 452.3  | 446.7  |
| 35°   | 1212.4 | 962.4  | 553.9  | 448.2  | 430.6  | 433.2  | 434.2  | 432.7  | 435.2  | 432.1  | 438.7  |
| 37.5° | 1249.7 | 955.4  | 506.6  | 433.7  | 423.1  | 423.1  | 422.1  | 419.1  | 424.1  | 423.1  | 426.1  |
| 40°   | 1297.0 | 959.9  | 466.4  | 418.1  | 416.1  | 415.0  | 411.0  | 410.5  | 408.5  | 409.0  | 410.0  |
| 42.5° | 1338.2 | 969.9  | 443.2  | 408.0  | 409.5  | 411.5  | 404.0  | 397.9  | 400.5  | 395.4  | 395.4  |
| 45°   | 1382.0 | 979.0  | 422.6  | 401.0  | 399.4  | 398.9  | 392.9  | 389.4  | 387.4  | 387.9  | 392.4  |
| 47.5° | 1450.9 | 992.1  | 407.0  | 391.4  | 392.4  | 384.9  | 383.4  | 378.8  | 380.8  | 383.9  | 384.4  |
| 50°   | 1499.7 | 1019.8 | 394.9  | 380.3  | 383.9  | 378.8  | 369.8  | 367.8  | 367.8  | 372.8  | 371.8  |
| 52.5° | 1533.9 | 1058.5 | 383.4  | 368.3  | 369.8  | 365.7  | 362.7  | 358.2  | 355.2  | 362.2  | 365.7  |
| 55°   | 1638.5 | 1122.9 | 380.3  | 358.2  | 357.7  | 353.7  | 348.1  | 343.6  | 342.1  | 343.1  | 350.1  |
| 57.5° | 1628.5 | 1102.8 | 370.8  | 340.6  | 339.6  | 334.0  | 328.5  | 327.0  | 326.5  | 327.5  | 329.5  |
| 60°   | 1322.1 | 814.5  | 331.0  | 320.5  | 319.0  | 317.9  | 312.4  | 306.4  | 303.4  | 306.4  | 303.9  |
| 62.5° | 874.9  | 545.3  | 291.8  | 296.3  | 297.3  | 294.8  | 285.8  | 279.7  | 280.7  | 284.2  | 278.7  |
| 65°   | 429.6  | 320.5  | 264.6  | 276.7  | 277.7  | 270.7  | 262.1  | 255.1  | 251.5  | 254.6  | 252.0  |
| 67.5° | 245.5  | 245.0  | 242.5  | 255.1  | 254.6  | 247.5  | 233.9  | 227.9  | 221.9  | 222.9  | 221.4  |
| 70°   | 208.3  | 212.3  | 217.3  | 224.9  | 224.4  | 216.3  | 200.2  | 195.7  | 187.1  | 186.1  | 183.6  |
| 72.5° | 164.0  | 171.0  | 182.1  | 187.7  | 183.1  | 173.1  | 162.5  | 154.9  | 147.4  | 142.9  | 144.4  |
| 75°   | 121.7  | 131.8  | 137.8  | 141.4  | 134.3  | 128.8  | 120.2  | 111.2  | 102.1  | 98.1   | 96.6   |
| 77.5° | 88.5   | 91.6   | 97.1   | 99.6   | 95.1   | 89.5   | 84.5   | 75.5   | 66.9   | 61.4   | 59.9   |
| 80°   | 61.9   | 63.9   | 67.9   | 67.9   | 67.9   | 65.4   | 58.9   | 49.8   | 44.3   | 39.2   | 38.2   |
| 82.5° | 43.3   | 45.3   | 49.3   | 47.3   | 46.8   | 43.8   | 39.7   | 32.7   | 26.7   | 23.1   | 22.1   |
| 85°   | 15.1   | 16.6   | 20.1   | 24.1   | 25.7   | 25.2   | 22.6   | 18.1   | 14.1   | 11.6   | 10.6   |
| 87.5° | 3.5    | 3.5    | 4.0    | 3.5    | 3.5    | 4.0    | 3.5    | 3.5    | 3.5    | 2.5    | 2.0    |
| 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)