

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: P526841

Luminaire Tested: **GLAN-SA1D-740-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-740-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4760 lumens
Efficiency: N/A
Efficacy: 73.2 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

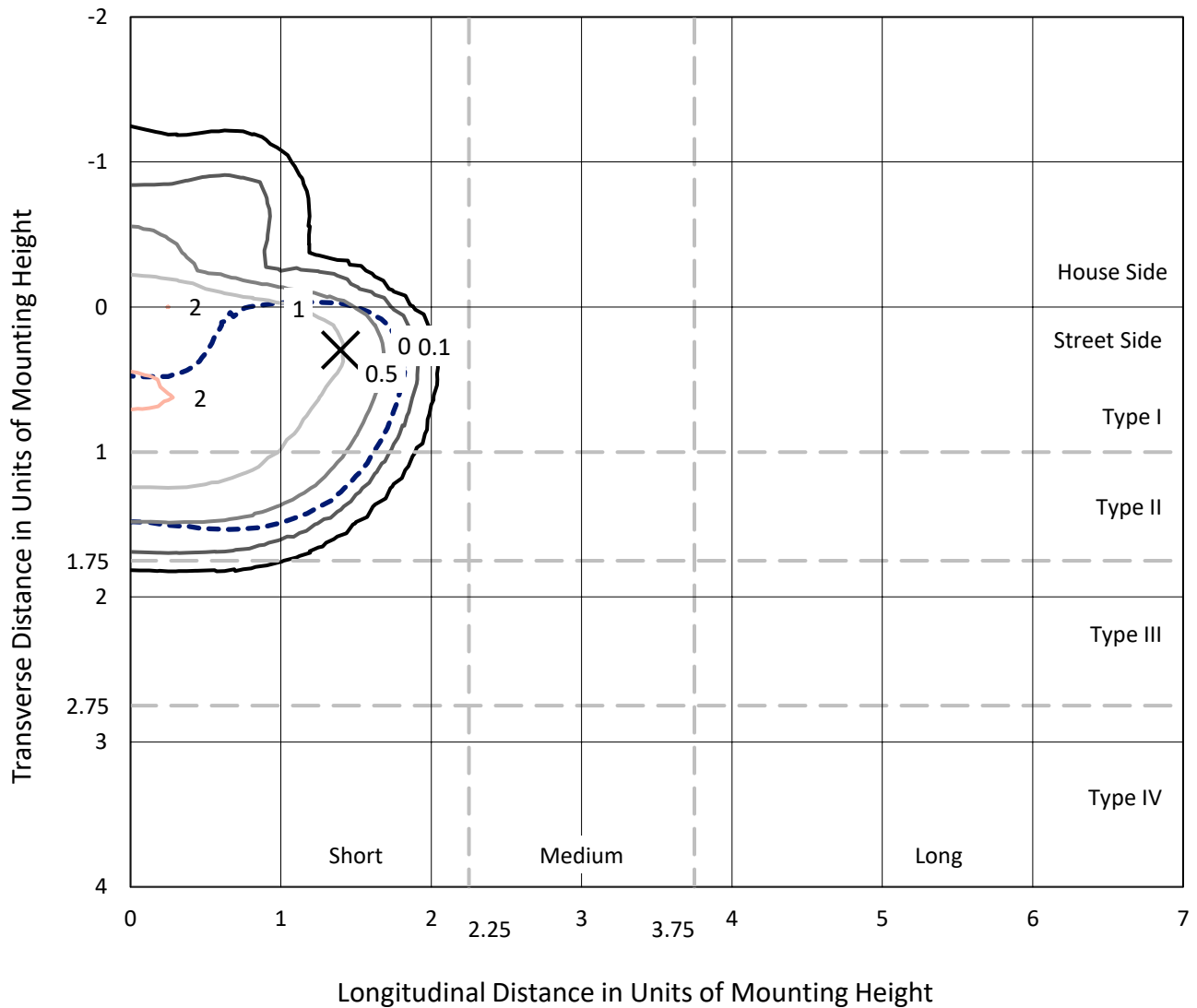
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

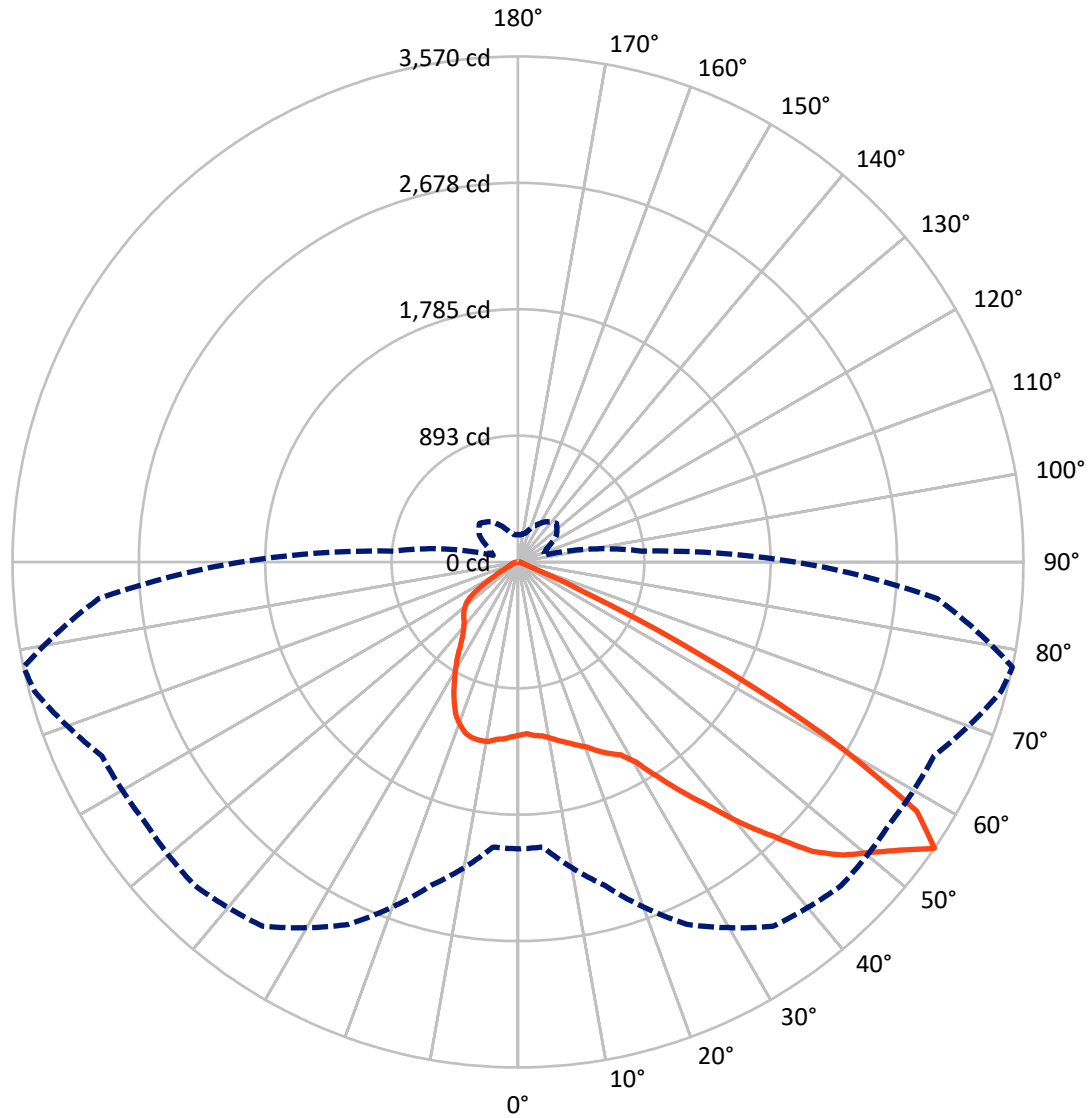
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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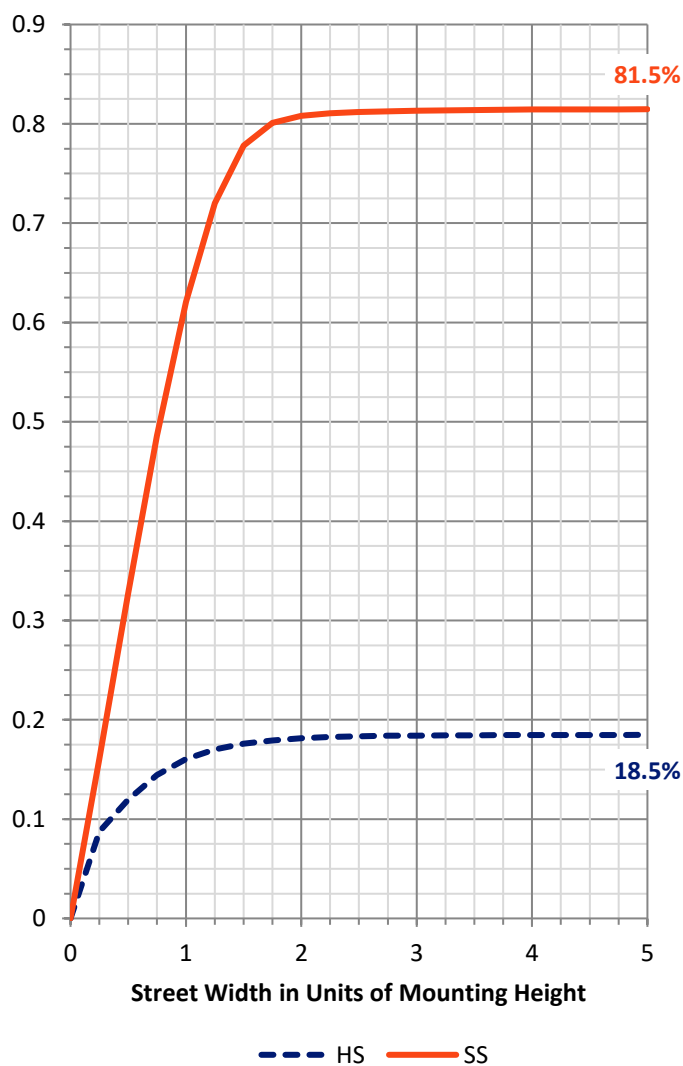
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 884.1 | 0.0 | 884.1 |
| | % Fixture | 18.6 | 0.0 | 18.6 |
| Street Side | Lumens | 3875.9 | 0.0 | 3875.9 |
| | % Fixture | 81.4 | 0.0 | 81.4 |
| Total | Lumens | 4760.0 | 0.0 | 4760.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 109.1 | 2.3 |
| 10°-20° | 288.8 | 6.1 |
| 20°-30° | 506.2 | 10.6 |
| 30°-40° | 834.7 | 17.5 |
| 40°-50° | 1214.6 | 25.5 |
| 50°-60° | 1376.2 | 28.9 |
| 60°-70° | 393.5 | 8.3 |
| 70°-80° | 30.6 | 0.6 |
| 80°-90° | 6.4 | 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° | 4760.0 | 100.0 |
| 0°-180° | 4760.0 | 100.0 |

Coefficient of Utilization



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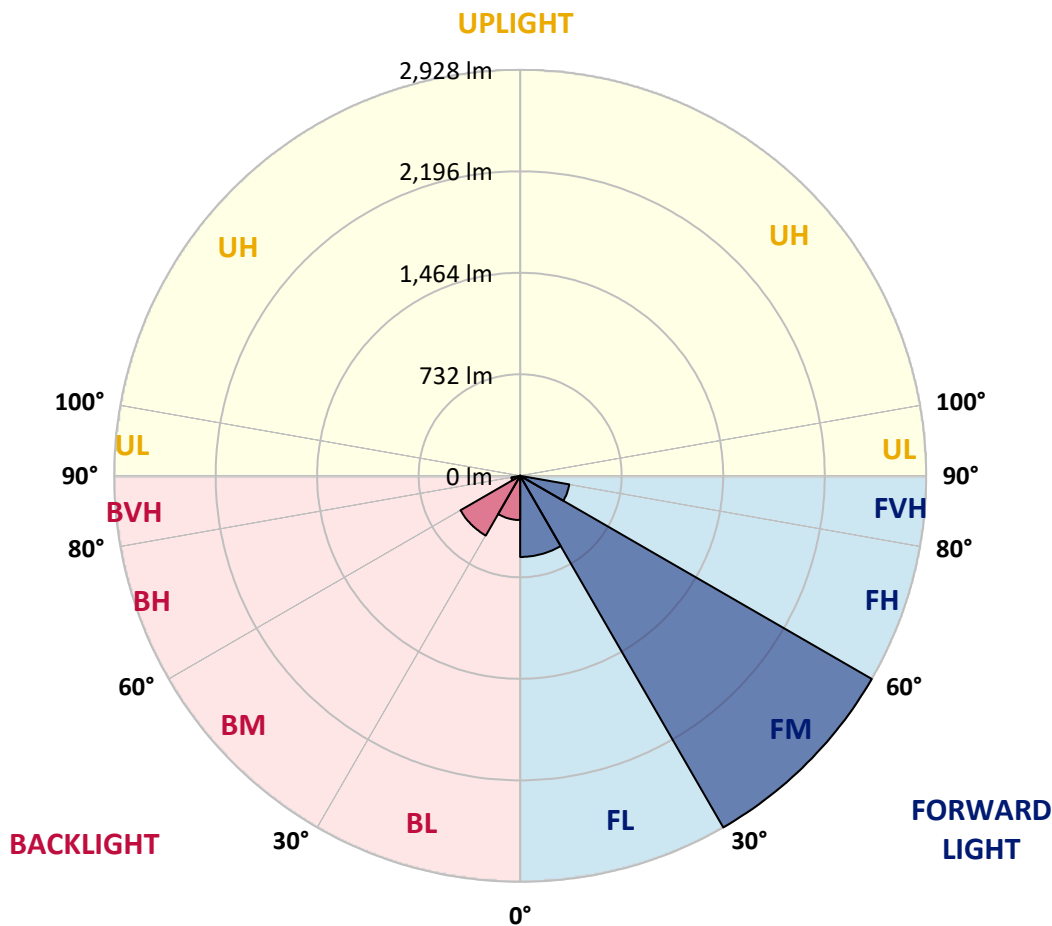
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 585.1 | 12.3 | | | |
| FM (30°-60°) | 2928.1 | 61.5 | | | |
| FH (60°-80°) | 359.5 | 7.6 | | | G0/660 |
| FVH (80°-90°) | 3.1 | 0.1 | | | G0/10 |
| BL (0°-30°) | 319.0 | 6.7 | B1/500 | | |
| BM (30°-60°) | 497.3 | 10.4 | B1/1000 | | |
| BH (60°-80°) | 64.5 | 1.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 3.3 | 0.1 | | | 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° | 55° | 65° | 75° | 78° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 |
| 2.5° | 1150.6 | 1161.7 | 1163.4 | 1177.0 | 1176.1 | 1199.1 | 1205.9 | 1206.8 | 1222.1 | 1214.4 | 1234.0 |
| 5° | 1118.3 | 1112.3 | 1109.8 | 1133.6 | 1140.4 | 1160.8 | 1177.8 | 1188.1 | 1219.5 | 1230.6 | 1251.0 |
| 7.5° | 1089.3 | 1089.3 | 1091.0 | 1112.3 | 1109.8 | 1136.1 | 1154.0 | 1185.5 | 1231.5 | 1240.8 | 1265.5 |
| 10° | 1061.2 | 1051.0 | 1063.8 | 1085.9 | 1104.7 | 1116.6 | 1154.0 | 1183.8 | 1237.4 | 1264.6 | 1298.7 |
| 12.5° | 1046.8 | 1051.9 | 1053.6 | 1069.8 | 1090.2 | 1125.9 | 1146.4 | 1195.7 | 1280.0 | 1296.1 | 1332.7 |
| 15° | 1137.8 | 1127.6 | 1103.0 | 1088.5 | 1105.5 | 1122.5 | 1173.6 | 1223.8 | 1302.1 | 1325.1 | 1365.9 |
| 17.5° | 1243.4 | 1234.9 | 1214.4 | 1175.3 | 1137.0 | 1168.5 | 1208.5 | 1254.4 | 1325.9 | 1360.0 | 1420.4 |
| 20° | 1381.2 | 1367.6 | 1347.2 | 1270.6 | 1237.4 | 1203.4 | 1245.9 | 1300.4 | 1365.1 | 1395.7 | 1457.8 |
| 22.5° | 1545.5 | 1545.5 | 1499.5 | 1406.8 | 1337.8 | 1305.5 | 1323.4 | 1354.9 | 1408.5 | 1450.2 | 1511.5 |
| 25° | 1716.6 | 1711.4 | 1669.7 | 1573.6 | 1457.0 | 1418.7 | 1439.1 | 1461.2 | 1475.7 | 1498.7 | 1539.5 |
| 27.5° | 1912.3 | 1882.5 | 1829.7 | 1723.4 | 1620.4 | 1546.3 | 1568.5 | 1548.9 | 1531.0 | 1542.9 | 1601.7 |
| 30° | 2045.1 | 2063.8 | 1996.5 | 1894.4 | 1797.4 | 1714.9 | 1719.1 | 1702.1 | 1620.4 | 1637.4 | 1672.3 |
| 32.5° | 2182.9 | 2194.8 | 2157.4 | 2101.2 | 2004.2 | 1908.0 | 1873.1 | 1858.7 | 1797.4 | 1805.1 | 1771.0 |
| 35° | 2297.8 | 2320.8 | 2287.6 | 2262.9 | 2234.8 | 2157.4 | 2061.2 | 2108.0 | 2009.3 | 1990.6 | 1902.1 |
| 37.5° | 2403.3 | 2396.5 | 2435.7 | 2410.2 | 2404.2 | 2349.7 | 2244.2 | 2253.6 | 2187.2 | 2182.9 | 2080.8 |
| 40° | 2497.8 | 2499.5 | 2553.1 | 2565.0 | 2541.2 | 2444.2 | 2291.0 | 2365.0 | 2418.7 | 2423.8 | 2292.7 |
| 42.5° | 2576.1 | 2599.1 | 2645.0 | 2741.2 | 2705.5 | 2543.8 | 2339.5 | 2420.4 | 2619.5 | 2651.0 | 2493.6 |
| 45° | 2644.2 | 2691.0 | 2748.0 | 2834.0 | 2813.5 | 2685.0 | 2460.4 | 2534.4 | 2834.0 | 2916.5 | 2682.5 |
| 47.5° | 2648.4 | 2709.7 | 2771.8 | 2899.5 | 2925.0 | 2760.8 | 2585.5 | 2714.8 | 3004.2 | 3093.5 | 2820.4 |
| 50° | 2631.4 | 2663.8 | 2788.0 | 2926.7 | 2984.6 | 2884.2 | 2760.8 | 2866.3 | 3169.3 | 3225.5 | 2890.1 |
| 52.5° | 2429.7 | 2454.4 | 2703.8 | 2952.3 | 3091.8 | 3023.8 | 2993.1 | 3077.4 | 3337.8 | 3379.5 | 2955.7 |
| 55° | 2025.5 | 2021.2 | 2364.2 | 2823.8 | 3141.2 | 3230.6 | 3211.8 | 3241.6 | 3532.7 | 3570.1 | 2971.8 |
| 57.5° | 1385.5 | 1462.9 | 1759.1 | 2351.4 | 2839.1 | 3182.0 | 3201.6 | 3152.3 | 3305.4 | 3319.9 | 2590.6 |
| 60° | 747.2 | 779.6 | 1017.8 | 1569.3 | 2161.6 | 2593.1 | 2644.2 | 2554.8 | 2542.9 | 2502.1 | 1849.3 |
| 62.5° | 297.0 | 313.2 | 448.5 | 777.0 | 1177.8 | 1576.1 | 1685.9 | 1649.3 | 1571.0 | 1463.8 | 957.4 |
| 65° | 141.3 | 151.5 | 223.0 | 363.4 | 522.5 | 657.0 | 766.8 | 800.8 | 590.6 | 531.9 | 315.7 |
| 67.5° | 96.2 | 103.8 | 162.5 | 207.7 | 186.4 | 194.9 | 253.6 | 235.7 | 138.7 | 118.3 | 87.7 |
| 70° | 73.2 | 78.3 | 130.2 | 141.3 | 83.4 | 58.7 | 65.5 | 61.3 | 57.0 | 57.9 | 57.0 |
| 72.5° | 51.9 | 56.2 | 95.3 | 83.4 | 36.6 | 27.2 | 34.9 | 41.7 | 41.7 | 41.7 | 40.9 |
| 75° | 31.5 | 35.7 | 55.3 | 32.3 | 14.5 | 14.5 | 22.1 | 28.1 | 29.8 | 30.6 | 28.9 |
| 77.5° | 16.2 | 20.4 | 18.7 | 9.4 | 9.4 | 11.1 | 16.2 | 19.6 | 21.3 | 21.3 | 20.4 |
| 80° | 3.4 | 3.4 | 3.4 | 5.1 | 9.4 | 11.9 | 16.2 | 17.9 | 20.4 | 20.4 | 18.7 |
| 82.5° | 0.0 | 0.9 | 2.6 | 5.1 | 8.5 | 11.1 | 15.3 | 17.9 | 20.4 | 21.3 | 19.6 |
| 85° | 0.0 | 0.9 | 1.7 | 3.4 | 6.0 | 6.8 | 6.0 | 5.1 | 5.1 | 5.1 | 5.1 |
| 87.5° | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 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° | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 | 1223.8 |
| 2.5° | 1235.7 | 1238.3 | 1234.0 | 1233.2 | 1229.8 | 1240.0 | 1215.3 | 1209.3 | 1224.6 | 1210.2 | 1213.6 |
| 5° | 1251.9 | 1257.8 | 1250.2 | 1237.4 | 1218.7 | 1189.8 | 1165.1 | 1132.7 | 1117.4 | 1106.4 | 1104.7 |
| 7.5° | 1263.8 | 1268.1 | 1260.4 | 1219.5 | 1163.4 | 1090.2 | 1035.7 | 995.7 | 964.2 | 954.9 | 939.6 |
| 10° | 1312.3 | 1313.2 | 1274.9 | 1184.7 | 1074.9 | 978.7 | 895.3 | 834.0 | 802.5 | 783.0 | 774.4 |
| 12.5° | 1344.6 | 1342.9 | 1265.5 | 1115.7 | 969.3 | 841.7 | 746.4 | 672.3 | 643.4 | 634.0 | 628.1 |
| 15° | 1385.5 | 1376.1 | 1243.4 | 1045.1 | 833.2 | 695.3 | 609.3 | 558.3 | 555.7 | 549.8 | 555.7 |
| 17.5° | 1417.8 | 1391.5 | 1211.0 | 916.6 | 703.0 | 572.8 | 516.6 | 520.0 | 526.8 | 532.8 | 533.6 |
| 20° | 1470.6 | 1416.1 | 1137.0 | 804.2 | 582.1 | 491.1 | 490.2 | 505.5 | 522.5 | 529.3 | 536.2 |
| 22.5° | 1510.6 | 1426.3 | 1057.8 | 684.2 | 483.4 | 457.9 | 472.3 | 495.3 | 508.1 | 514.9 | 525.1 |
| 25° | 1525.1 | 1398.3 | 952.3 | 564.2 | 435.7 | 442.5 | 464.7 | 480.0 | 496.2 | 503.8 | 499.6 |
| 27.5° | 1539.5 | 1383.8 | 826.4 | 464.7 | 410.2 | 432.3 | 451.1 | 466.4 | 471.5 | 481.7 | 488.5 |
| 30° | 1574.4 | 1333.6 | 713.2 | 401.7 | 397.4 | 425.5 | 439.1 | 444.2 | 457.9 | 463.8 | 463.8 |
| 32.5° | 1602.5 | 1314.0 | 593.2 | 371.9 | 395.7 | 428.9 | 430.6 | 430.6 | 432.3 | 428.1 | 426.4 |
| 35° | 1660.4 | 1246.8 | 485.9 | 354.0 | 394.9 | 429.8 | 434.0 | 419.6 | 380.4 | 365.1 | 360.8 |
| 37.5° | 1731.9 | 1203.4 | 406.8 | 349.8 | 400.8 | 440.0 | 446.8 | 392.3 | 341.3 | 316.6 | 312.3 |
| 40° | 1818.7 | 1172.7 | 354.9 | 348.1 | 414.5 | 463.8 | 443.4 | 371.1 | 304.7 | 268.9 | 267.2 |
| 42.5° | 1920.0 | 1144.7 | 320.0 | 347.2 | 431.5 | 488.5 | 440.0 | 353.2 | 267.2 | 243.4 | 246.8 |
| 45° | 2000.8 | 1129.3 | 296.2 | 341.3 | 437.4 | 503.0 | 442.5 | 321.7 | 251.9 | 236.6 | 238.3 |
| 47.5° | 2063.8 | 1097.0 | 276.6 | 331.1 | 436.6 | 508.1 | 419.6 | 308.9 | 244.2 | 248.5 | 252.8 |
| 50° | 2065.5 | 1053.6 | 251.9 | 308.9 | 423.8 | 498.7 | 393.2 | 297.0 | 242.5 | 260.4 | 268.9 |
| 52.5° | 2042.5 | 992.3 | 225.5 | 277.4 | 394.0 | 466.4 | 369.4 | 291.9 | 234.9 | 233.2 | 243.4 |
| 55° | 1960.8 | 877.4 | 181.3 | 224.7 | 332.8 | 384.7 | 348.1 | 282.5 | 211.9 | 192.3 | 194.0 |
| 57.5° | 1584.6 | 628.9 | 133.6 | 160.8 | 235.7 | 281.7 | 314.0 | 278.3 | 190.6 | 163.4 | 164.3 |
| 60° | 981.3 | 356.6 | 97.9 | 109.8 | 145.5 | 171.1 | 254.5 | 258.7 | 170.2 | 137.9 | 136.2 |
| 62.5° | 503.8 | 176.2 | 75.7 | 77.4 | 89.4 | 100.4 | 174.5 | 217.0 | 154.0 | 131.1 | 131.1 |
| 65° | 168.5 | 86.8 | 66.4 | 59.6 | 59.6 | 62.1 | 105.5 | 150.6 | 130.2 | 109.8 | 109.8 |
| 67.5° | 72.3 | 64.7 | 57.9 | 51.9 | 47.7 | 45.1 | 59.6 | 87.7 | 97.0 | 83.4 | 80.0 |
| 70° | 56.2 | 54.5 | 50.2 | 43.4 | 37.4 | 34.0 | 34.9 | 45.1 | 55.3 | 53.6 | 51.9 |
| 72.5° | 41.7 | 41.7 | 40.0 | 34.0 | 28.9 | 24.7 | 23.0 | 23.8 | 26.4 | 27.2 | 28.1 |
| 75° | 28.9 | 29.8 | 29.8 | 26.4 | 21.3 | 17.9 | 15.3 | 12.8 | 10.2 | 8.5 | 7.7 |
| 77.5° | 19.6 | 20.4 | 22.1 | 19.6 | 16.2 | 11.9 | 9.4 | 6.8 | 4.3 | 1.7 | 1.7 |
| 80° | 17.0 | 19.6 | 21.3 | 19.6 | 17.0 | 12.8 | 9.4 | 5.1 | 2.6 | 0.0 | 0.0 |
| 82.5° | 17.9 | 19.6 | 22.1 | 18.7 | 16.2 | 11.9 | 9.4 | 6.0 | 2.6 | 0.9 | 0.0 |
| 85° | 4.3 | 4.3 | 5.1 | 6.0 | 7.7 | 8.5 | 6.8 | 4.3 | 2.6 | 0.9 | 0.0 |
| 87.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.9 | 0.9 | 0.9 | 0.9 | 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)