

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: P527307

Luminaire Tested: **GLAN-SA2B-740-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527307  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2B-740-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

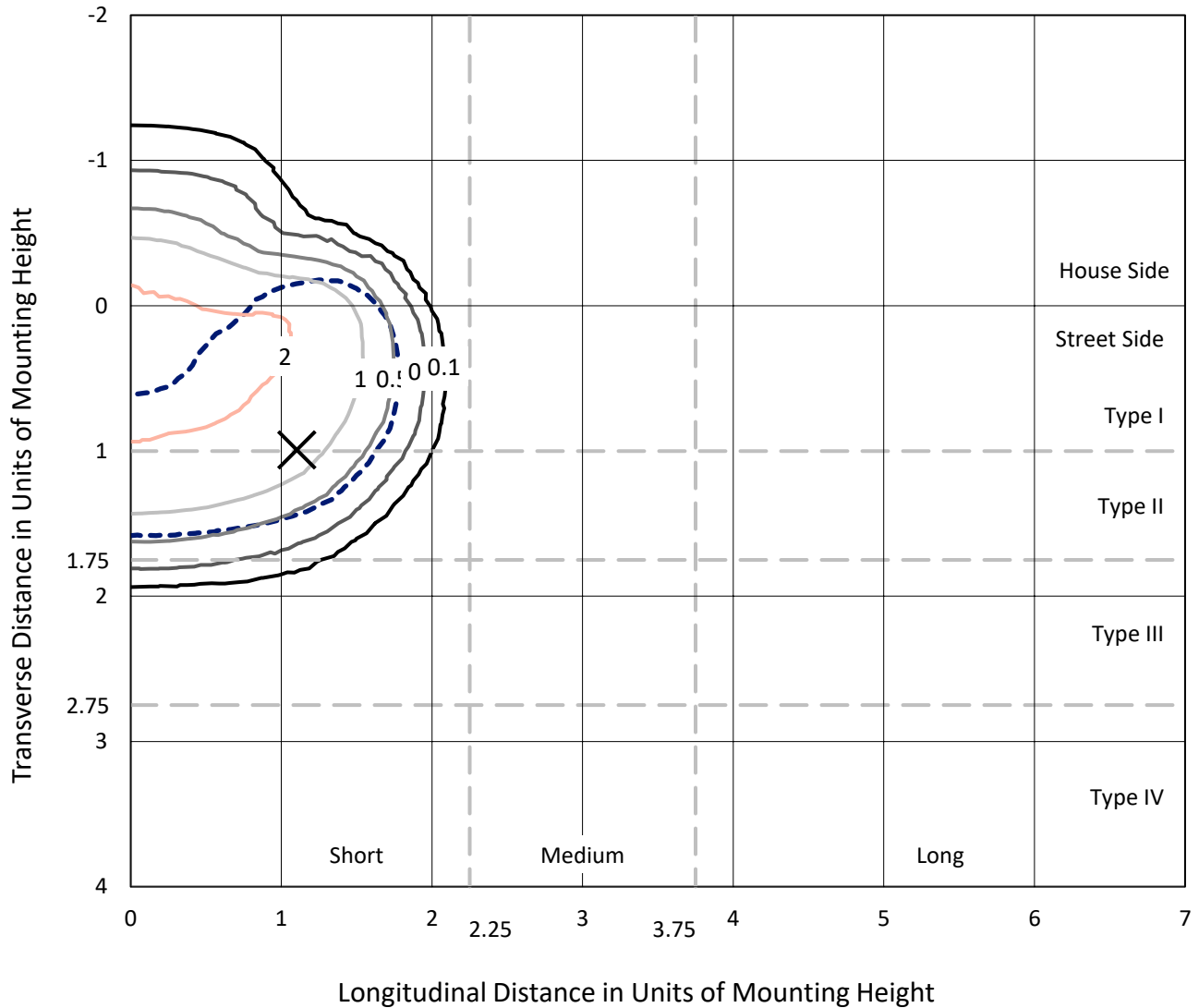
Lumens per Lamp: N/A  
Luminaire Lumens: 6833 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

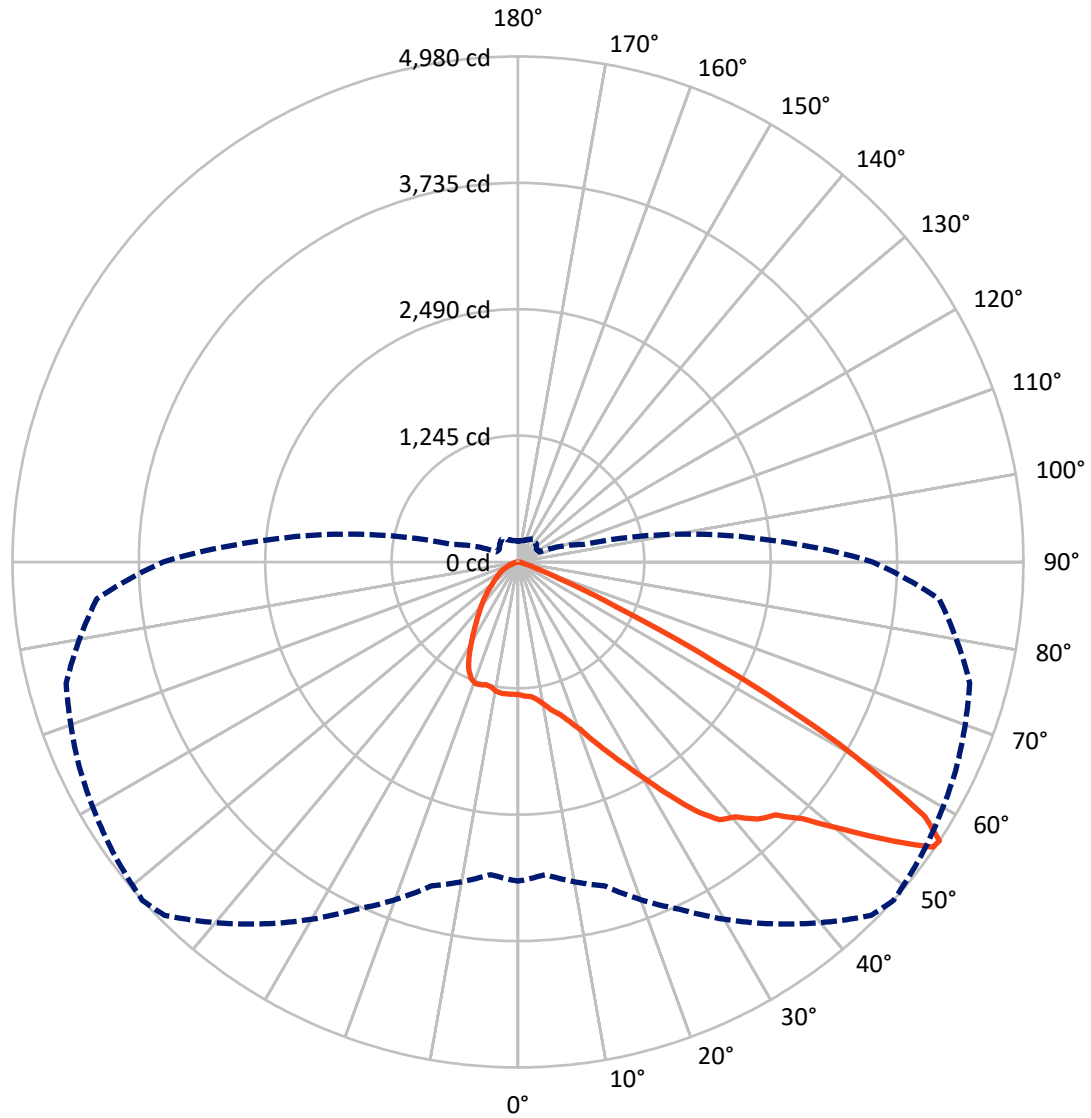
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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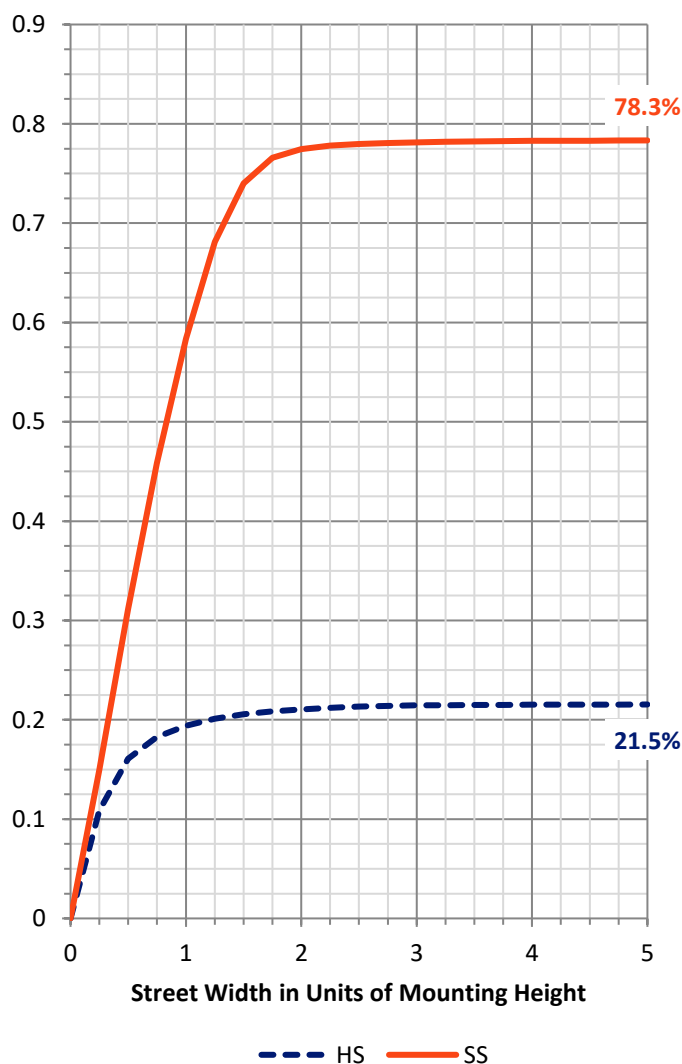
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1486.0   | 0.0    | 1486.0 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 5346.9   | 0.0    | 5346.9 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 6833.0   | 0.0    | 6833.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 127.1  | 1.9       |
| 10°-20°   | 406.3  | 5.9       |
| 20°-30°   | 736.9  | 10.8      |
| 30°-40°   | 1157.6 | 16.9      |
| 40°-50°   | 1688.7 | 24.7      |
| 50°-60°   | 2034.5 | 29.8      |
| 60°-70°   | 595.7  | 8.7       |
| 70°-80°   | 75.6   | 1.1       |
| 80°-90°   | 10.6   | 0.2       |
| 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°    | 6833.0 | 100.0     |
| 0°-180°   | 6833.0 | 100.0     |

**Coefficient of Utilization**

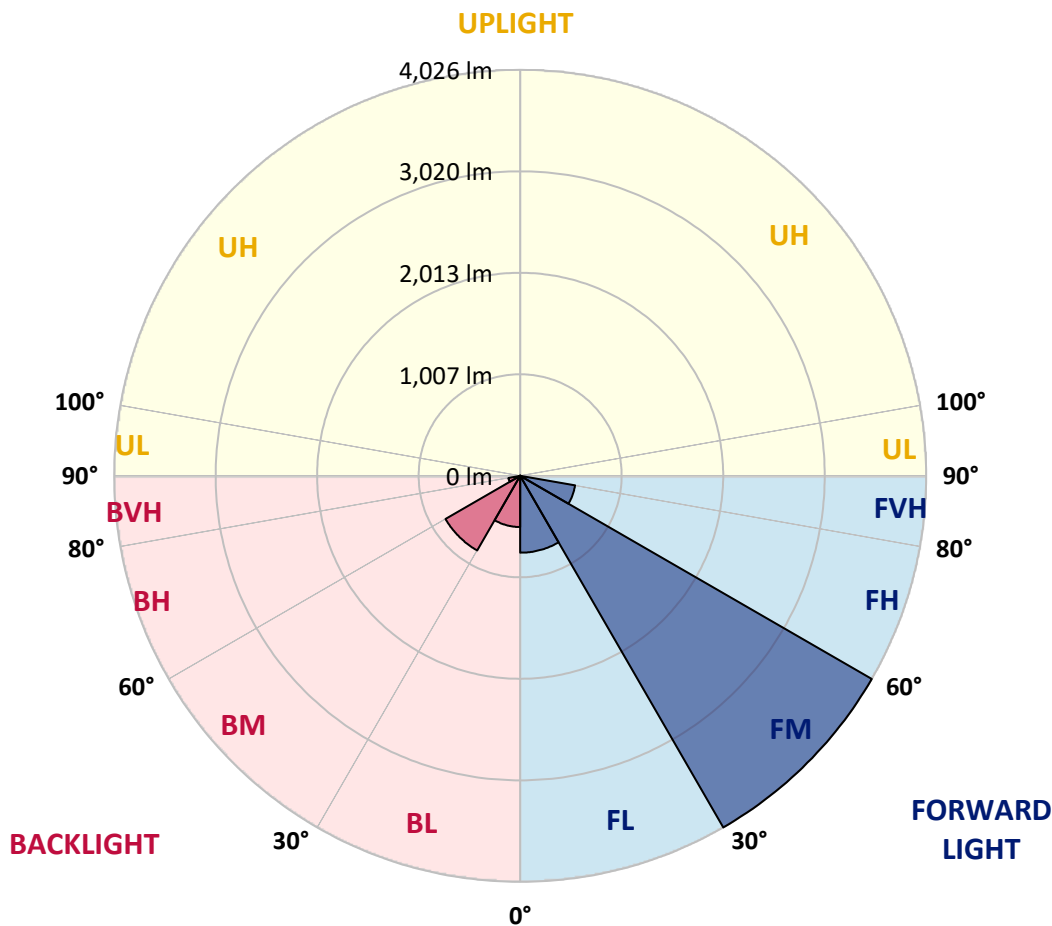


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 762.4  | 11.2      |                         |      |        |
| FM (30°-60°)   | 4026.0 | 58.9      |                         |      |        |
| FH (60°-80°)   | 553.2  | 8.1       |                         |      | G0/660 |
| FVH (80°-90°)  | 5.3    | 0.1       |                         |      | G0/10  |
| BL (0°-30°)    | 507.9  | 7.4       | B2/1000                 |      |        |
| BM (30°-60°)   | 854.8  | 12.5      | B1/1000                 |      |        |
| BH (60°-80°)   | 118.1  | 1.7       | B1/500                  |      | G1/500 |
| BVH (80°-90°)  | 5.3    | 0.1       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 48°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 |
| 2.5°  | 1328.7 | 1322.5 | 1322.5 | 1312.6 | 1323.8 | 1318.8 | 1322.5 | 1310.1 | 1322.5 | 1303.9 | 1318.8 |
| 5°    | 1335.0 | 1336.2 | 1331.2 | 1337.5 | 1337.5 | 1344.9 | 1332.5 | 1343.7 | 1349.9 | 1336.2 | 1330.0 |
| 7.5°  | 1367.3 | 1369.8 | 1368.6 | 1363.6 | 1373.5 | 1372.3 | 1371.0 | 1362.3 | 1364.8 | 1359.8 | 1352.4 |
| 10°   | 1430.8 | 1429.5 | 1435.7 | 1423.3 | 1415.8 | 1424.5 | 1427.0 | 1413.3 | 1403.4 | 1399.7 | 1376.0 |
| 12.5° | 1522.8 | 1507.9 | 1499.2 | 1486.8 | 1490.5 | 1478.0 | 1500.4 | 1476.8 | 1471.8 | 1449.4 | 1425.8 |
| 15°   | 1597.5 | 1595.0 | 1596.2 | 1576.3 | 1553.9 | 1558.9 | 1558.9 | 1546.5 | 1539.0 | 1511.6 | 1478.0 |
| 17.5° | 1750.5 | 1698.3 | 1709.5 | 1684.6 | 1665.9 | 1664.7 | 1653.5 | 1656.0 | 1636.0 | 1578.8 | 1527.8 |
| 20°   | 1869.9 | 1847.6 | 1830.1 | 1787.8 | 1759.2 | 1767.9 | 1763.0 | 1750.5 | 1744.3 | 1669.6 | 1597.5 |
| 22.5° | 1976.9 | 1984.4 | 1955.8 | 1944.6 | 1904.8 | 1908.5 | 1918.5 | 1907.3 | 1860.0 | 1782.9 | 1675.9 |
| 25°   | 2127.5 | 2118.8 | 2080.2 | 2066.5 | 2029.2 | 2042.9 | 2081.5 | 2072.7 | 2042.9 | 1903.5 | 1736.8 |
| 27.5° | 2305.4 | 2275.5 | 2283.0 | 2220.8 | 2184.7 | 2223.3 | 2269.3 | 2312.9 | 2228.3 | 2045.4 | 1809.0 |
| 30°   | 2431.1 | 2400.0 | 2397.5 | 2395.0 | 2386.3 | 2431.1 | 2484.6 | 2524.4 | 2455.9 | 2187.2 | 1928.4 |
| 32.5° | 2493.3 | 2500.7 | 2521.9 | 2514.4 | 2590.3 | 2682.4 | 2738.4 | 2795.6 | 2709.7 | 2418.6 | 2086.4 |
| 35°   | 2658.7 | 2611.5 | 2658.7 | 2663.7 | 2742.1 | 2937.4 | 3008.3 | 3145.2 | 3124.0 | 2745.8 | 2279.3 |
| 37.5° | 2755.8 | 2752.0 | 2758.3 | 2805.5 | 2881.4 | 3122.8 | 3223.6 | 3329.3 | 3289.5 | 2942.4 | 2519.4 |
| 40°   | 2916.3 | 2926.2 | 2925.0 | 2961.1 | 3044.4 | 3262.1 | 3303.2 | 3389.0 | 3392.8 | 3214.9 | 2872.7 |
| 42.5° | 3173.8 | 3134.0 | 3107.9 | 3145.2 | 3262.1 | 3382.8 | 3464.9 | 3447.5 | 3570.7 | 3545.8 | 3326.8 |
| 45°   | 3405.2 | 3428.9 | 3390.3 | 3452.5 | 3494.8 | 3559.5 | 3557.0 | 3594.3 | 3751.1 | 3869.3 | 3669.0 |
| 47.5° | 3621.7 | 3636.6 | 3655.3 | 3697.6 | 3789.7 | 3799.6 | 3778.5 | 3762.3 | 3978.8 | 4100.7 | 3934.0 |
| 50°   | 3751.1 | 3764.8 | 3851.9 | 3927.8 | 4099.5 | 4121.8 | 4134.3 | 4093.2 | 4240.0 | 4253.7 | 4184.1 |
| 52.5° | 3716.3 | 3731.2 | 3853.1 | 4103.2 | 4376.9 | 4582.2 | 4544.9 | 4475.2 | 4466.5 | 4520.0 | 4415.5 |
| 55°   | 3407.7 | 3394.0 | 3562.0 | 3951.4 | 4464.0 | 4956.7 | 4961.6 | 4888.2 | 4747.6 | 4711.6 | 4380.6 |
| 56°   | 3145.2 | 3091.7 | 3305.7 | 3776.0 | 4352.0 | 4924.3 | 4980.3 | 4901.9 | 4770.0 | 4608.3 | 4165.4 |
| 57.5° | 2576.6 | 2627.6 | 2840.4 | 3229.8 | 3965.1 | 4691.7 | 4724.0 | 4705.3 | 4605.8 | 4334.6 | 3665.2 |
| 60°   | 1420.8 | 1510.4 | 1698.3 | 2174.8 | 2823.0 | 3600.5 | 3626.7 | 3778.5 | 3797.1 | 3319.4 | 2521.9 |
| 62.5° | 603.4  | 593.5  | 788.8  | 1139.6 | 1607.4 | 2173.5 | 2222.0 | 2377.6 | 2406.2 | 1913.5 | 1265.3 |
| 65°   | 245.1  | 258.8  | 357.1  | 573.5  | 849.7  | 990.3  | 1058.8 | 1109.8 | 1204.3 | 790.0  | 466.6  |
| 67.5° | 161.7  | 160.5  | 210.3  | 327.2  | 457.8  | 441.7  | 441.7  | 466.6  | 431.7  | 322.2  | 201.6  |
| 70°   | 115.7  | 119.4  | 150.5  | 226.4  | 284.9  | 211.5  | 202.8  | 194.1  | 220.2  | 212.7  | 163.0  |
| 72.5° | 75.9   | 80.9   | 100.8  | 135.6  | 148.1  | 115.7  | 115.7  | 139.3  | 181.6  | 171.7  | 133.1  |
| 75°   | 49.8   | 51.0   | 62.2   | 78.4   | 73.4   | 59.7   | 65.9   | 93.3   | 131.9  | 126.9  | 94.6   |
| 77.5° | 33.6   | 34.8   | 42.3   | 51.0   | 41.1   | 33.6   | 36.1   | 47.3   | 64.7   | 64.7   | 49.8   |
| 80°   | 12.4   | 13.7   | 17.4   | 16.2   | 18.7   | 23.6   | 26.1   | 32.3   | 38.6   | 38.6   | 33.6   |
| 82.5° | 0.0    | 1.2    | 3.7    | 8.7    | 13.7   | 18.7   | 21.2   | 24.9   | 28.6   | 32.3   | 31.1   |
| 85°   | 0.0    | 1.2    | 3.7    | 6.2    | 10.0   | 11.2   | 12.4   | 8.7    | 7.5    | 7.5    | 6.2    |
| 87.5° | 0.0    | 0.0    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 2.5    | 1.2    | 1.2    |
| 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°    | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 | 1305.1 |
| 2.5°  | 1305.1 | 1303.9 | 1303.9 | 1300.1 | 1307.6 | 1303.9 | 1306.4 | 1305.1 | 1288.9 | 1301.4 | 1292.7 |
| 5°    | 1318.8 | 1327.5 | 1313.8 | 1311.3 | 1301.4 | 1305.1 | 1305.1 | 1292.7 | 1303.9 | 1302.6 | 1300.1 |
| 7.5°  | 1353.6 | 1338.7 | 1323.8 | 1308.8 | 1306.4 | 1302.6 | 1288.9 | 1284.0 | 1292.7 | 1282.7 | 1297.6 |
| 10°   | 1368.6 | 1371.0 | 1348.7 | 1328.7 | 1310.1 | 1284.0 | 1265.3 | 1254.1 | 1240.4 | 1255.3 | 1264.0 |
| 12.5° | 1437.0 | 1412.1 | 1373.5 | 1342.4 | 1279.0 | 1252.9 | 1234.2 | 1229.2 | 1252.9 | 1257.8 | 1249.1 |
| 15°   | 1460.6 | 1456.9 | 1407.1 | 1337.5 | 1271.5 | 1240.4 | 1244.1 | 1234.2 | 1236.7 | 1224.2 | 1226.7 |
| 17.5° | 1509.1 | 1466.8 | 1408.4 | 1321.3 | 1270.3 | 1262.8 | 1240.4 | 1200.6 | 1178.2 | 1168.3 | 1177.0 |
| 20°   | 1562.6 | 1521.6 | 1437.0 | 1327.5 | 1281.5 | 1261.6 | 1188.2 | 1139.6 | 1093.6 | 1068.7 | 1070.0 |
| 22.5° | 1609.9 | 1558.9 | 1424.5 | 1330.0 | 1291.4 | 1209.3 | 1121.0 | 1025.2 | 967.9  | 929.4  | 930.6  |
| 25°   | 1667.2 | 1595.0 | 1429.5 | 1335.0 | 1265.3 | 1125.9 | 999.0  | 905.7  | 837.3  | 811.2  | 819.9  |
| 27.5° | 1699.5 | 1617.4 | 1456.9 | 1346.2 | 1196.9 | 1007.8 | 870.9  | 783.8  | 744.0  | 731.6  | 730.3  |
| 30°   | 1796.5 | 1667.2 | 1490.5 | 1323.8 | 1082.4 | 880.9  | 754.0  | 700.5  | 661.9  | 650.7  | 653.2  |
| 32.5° | 1940.9 | 1758.0 | 1534.0 | 1265.3 | 965.5  | 767.6  | 678.1  | 638.2  | 602.2  | 581.0  | 578.5  |
| 35°   | 2061.5 | 1913.5 | 1580.1 | 1174.5 | 829.8  | 680.5  | 624.6  | 574.8  | 520.1  | 496.4  | 490.2  |
| 37.5° | 2291.7 | 2088.9 | 1570.1 | 1037.6 | 700.5  | 615.9  | 567.3  | 506.4  | 459.1  | 426.7  | 423.0  |
| 40°   | 2597.8 | 2294.2 | 1521.6 | 870.9  | 604.7  | 558.6  | 506.4  | 447.9  | 389.4  | 362.0  | 359.6  |
| 42.5° | 2969.8 | 2545.5 | 1433.3 | 701.7  | 508.9  | 501.4  | 454.1  | 386.9  | 334.7  | 314.8  | 316.0  |
| 45°   | 3272.1 | 2760.8 | 1343.7 | 563.6  | 437.9  | 445.4  | 404.3  | 340.9  | 304.8  | 288.6  | 288.6  |
| 47.5° | 3540.8 | 2906.3 | 1246.6 | 465.3  | 372.0  | 389.4  | 353.3  | 316.0  | 284.9  | 272.5  | 270.0  |
| 50°   | 3799.6 | 3054.4 | 1149.6 | 377.0  | 317.3  | 334.7  | 330.9  | 301.1  | 276.2  | 261.3  | 262.5  |
| 52.5° | 3961.4 | 3078.0 | 1026.4 | 308.5  | 277.4  | 297.4  | 309.8  | 282.4  | 255.0  | 246.3  | 243.9  |
| 55°   | 3763.5 | 2773.2 | 796.3  | 253.8  | 235.1  | 261.3  | 284.9  | 253.8  | 232.7  | 217.7  | 216.5  |
| 56°   | 3497.3 | 2479.6 | 665.6  | 233.9  | 222.7  | 251.3  | 276.2  | 242.6  | 219.0  | 210.3  | 204.0  |
| 57.5° | 2961.1 | 2029.2 | 491.4  | 207.8  | 206.5  | 233.9  | 262.5  | 231.4  | 204.0  | 196.6  | 196.6  |
| 60°   | 1846.3 | 1142.1 | 297.4  | 174.2  | 179.2  | 207.8  | 236.4  | 206.5  | 181.6  | 181.6  | 185.4  |
| 62.5° | 841.0  | 475.3  | 180.4  | 148.1  | 154.3  | 179.2  | 210.3  | 186.6  | 172.9  | 186.6  | 189.1  |
| 65°   | 286.2  | 205.3  | 130.6  | 118.2  | 121.9  | 148.1  | 180.4  | 189.1  | 187.9  | 196.6  | 201.6  |
| 67.5° | 160.5  | 131.9  | 109.5  | 98.3   | 95.8   | 109.5  | 148.1  | 189.1  | 181.6  | 177.9  | 180.4  |
| 70°   | 135.6  | 112.0  | 97.0   | 87.1   | 83.4   | 88.3   | 114.5  | 143.1  | 128.1  | 124.4  | 121.9  |
| 72.5° | 109.5  | 93.3   | 84.6   | 78.4   | 67.2   | 57.2   | 52.3   | 54.7   | 61.0   | 64.7   | 70.9   |
| 75°   | 77.1   | 70.9   | 70.9   | 63.5   | 48.5   | 36.1   | 28.6   | 23.6   | 16.2   | 11.2   | 12.4   |
| 77.5° | 43.5   | 43.5   | 44.8   | 38.6   | 31.1   | 23.6   | 17.4   | 12.4   | 6.2    | 2.5    | 1.2    |
| 80°   | 29.9   | 32.3   | 34.8   | 31.1   | 26.1   | 21.2   | 14.9   | 8.7    | 3.7    | 0.0    | 0.0    |
| 82.5° | 29.9   | 33.6   | 36.1   | 31.1   | 26.1   | 19.9   | 14.9   | 8.7    | 3.7    | 1.2    | 0.0    |
| 85°   | 6.2    | 7.5    | 8.7    | 10.0   | 14.9   | 14.9   | 11.2   | 7.5    | 3.7    | 1.2    | 0.0    |
| 87.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 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)