

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: P527063

Luminaire Tested: **GLAN-SA2A-740-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527063  
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-SA2A-740-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH 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: 5378 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

Input Watts (W): 63  
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



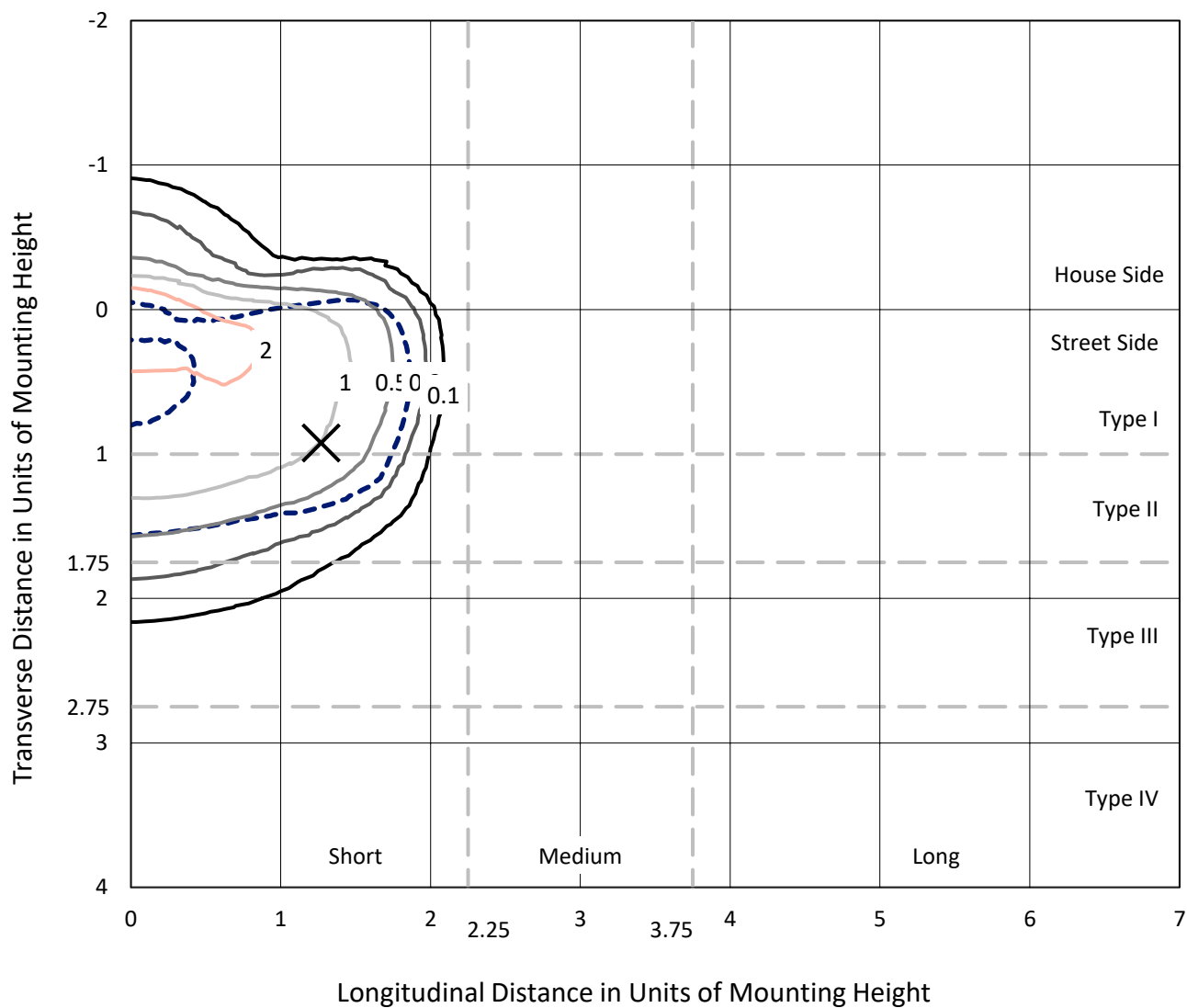
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

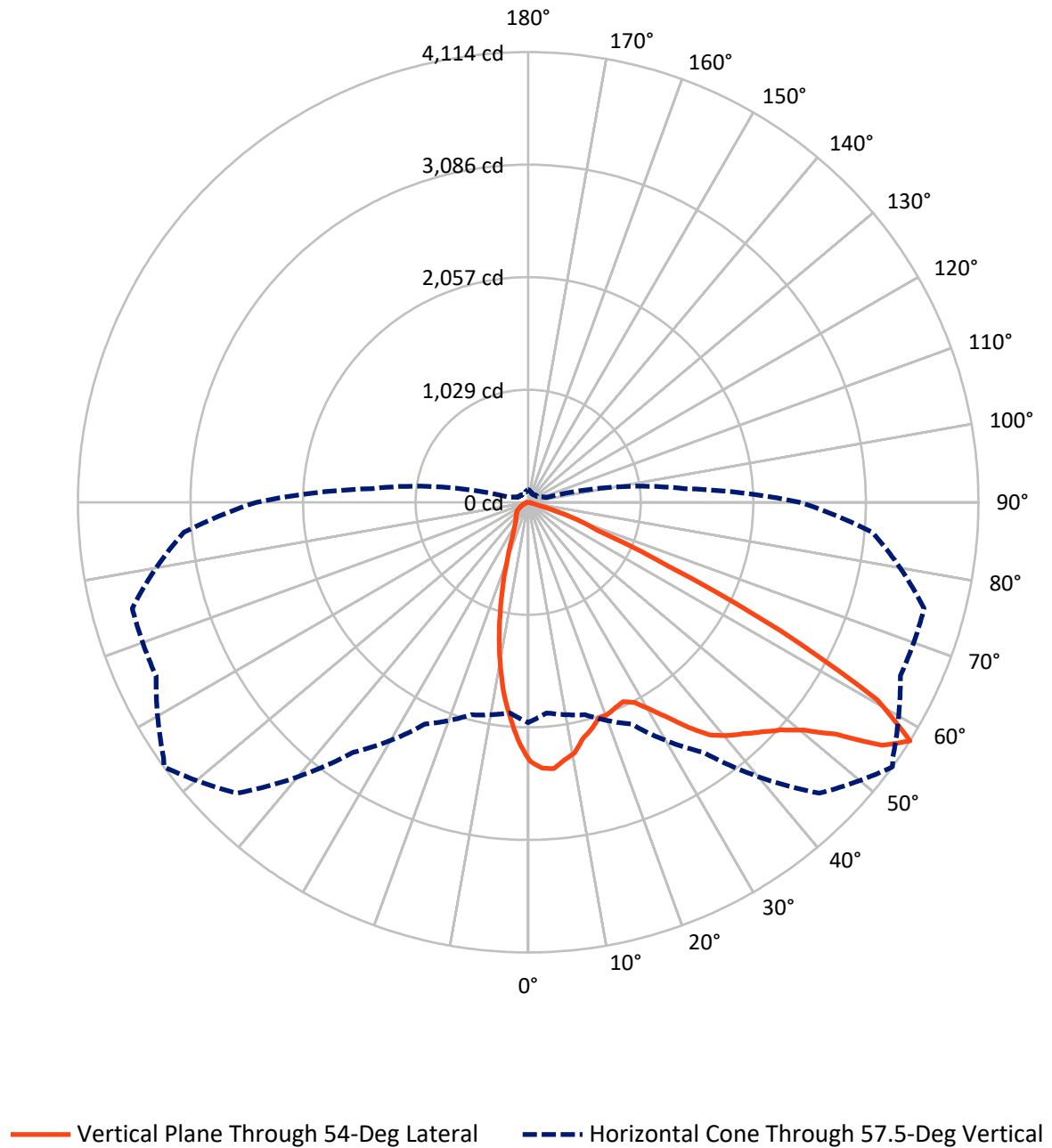


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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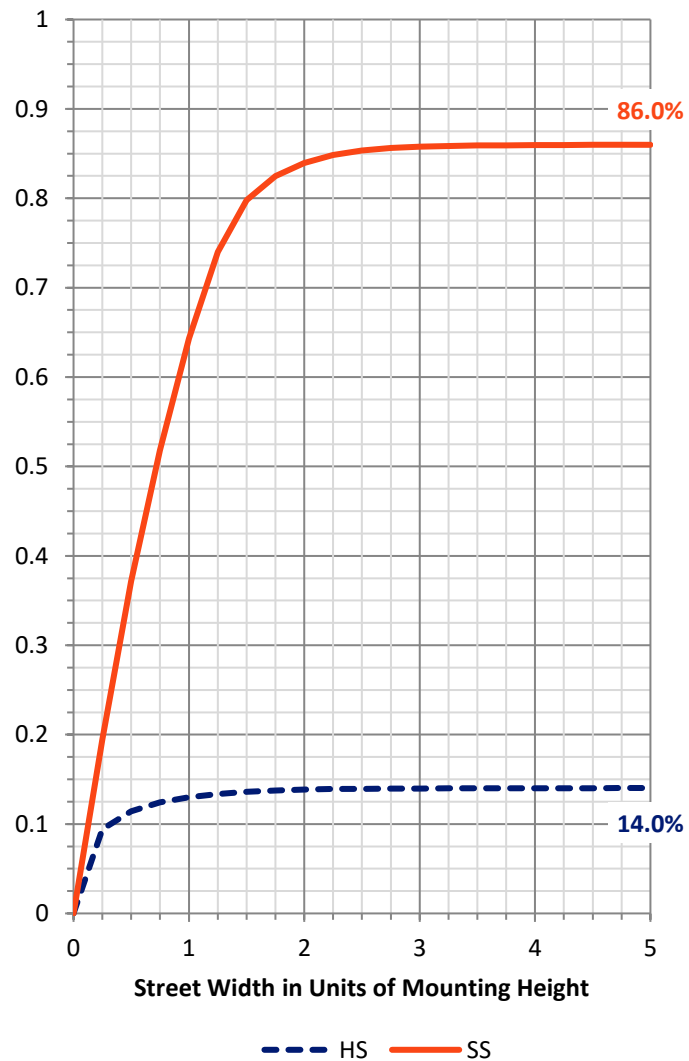
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 760.0    | 0.0    | 760.0  |
|                    | % Fixture | 14.1     | 0.0    | 14.1   |
| <b>Street Side</b> | Lumens    | 4618.0   | 0.0    | 4618.0 |
|                    | % Fixture | 85.9     | 0.0    | 85.9   |
| <b>Total</b>       | Lumens    | 5378.0   | 0.0    | 5378.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 198.3  | 3.7       |
| 10°-20°   | 423.3  | 7.9       |
| 20°-30°   | 560.9  | 10.4      |
| 30°-40°   | 815.2  | 15.2      |
| 40°-50°   | 1208.8 | 22.5      |
| 50°-60°   | 1511.5 | 28.1      |
| 60°-70°   | 596.2  | 11.1      |
| 70°-80°   | 59.4   | 1.1       |
| 80°-90°   | 4.6    | 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°    | 5378.0 | 100.0     |
| 0°-180°   | 5378.0 | 100.0     |

**Coefficient of Utilization**



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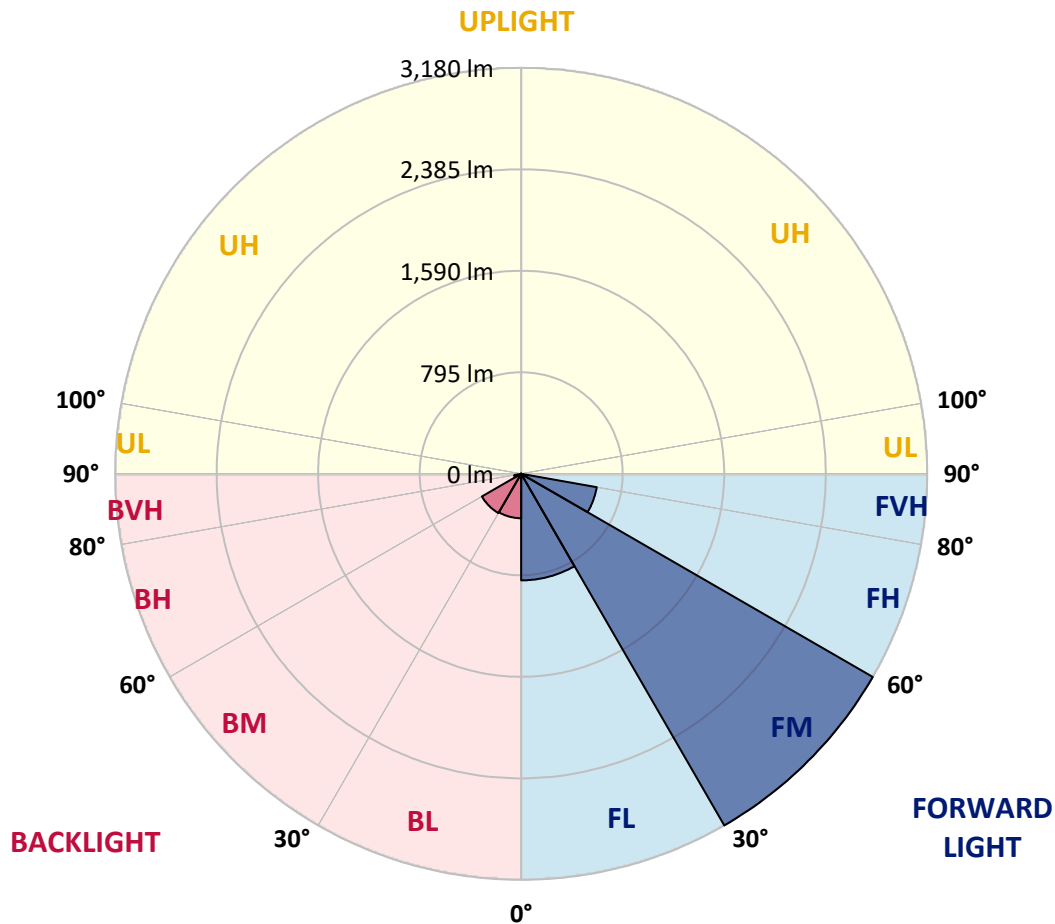
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 834.8  | 15.5      |                         |      |        |
| FM   | (30°-60°)   | 3180.0 | 59.1      |                         |      |        |
| FH   | (60°-80°)   | 601.1  | 11.2      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 2.1    | 0.0       |                         |      | G0/10  |
| BL   | (0°-30°)    | 347.6  | 6.5       | B1/500                  |      |        |
| BM   | (30°-60°)   | 355.4  | 6.6       | B1/1000                 |      |        |
| BH   | (60°-80°)   | 54.5   | 1.0       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 2.5    | 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°    | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 |
| 2.5°  | 2507.1 | 2481.1 | 2483.1 | 2474.1 | 2462.1 | 2471.1 | 2432.1 | 2441.1 | 2440.1 | 2387.1 | 2352.1 |
| 5°    | 2444.1 | 2472.1 | 2443.1 | 2467.1 | 2444.1 | 2469.1 | 2445.1 | 2427.1 | 2398.1 | 2359.1 | 2294.1 |
| 7.5°  | 2337.1 | 2310.1 | 2318.1 | 2348.1 | 2353.1 | 2409.1 | 2379.1 | 2402.1 | 2390.1 | 2313.1 | 2224.1 |
| 10°   | 2122.1 | 2116.1 | 2156.1 | 2196.1 | 2245.1 | 2305.1 | 2328.1 | 2315.1 | 2306.1 | 2277.1 | 2158.1 |
| 12.5° | 1957.1 | 1974.1 | 1973.1 | 2039.1 | 2122.1 | 2156.1 | 2216.1 | 2214.1 | 2264.1 | 2210.1 | 2096.1 |
| 15°   | 1800.1 | 1809.1 | 1851.1 | 1892.1 | 1984.1 | 2081.1 | 2155.1 | 2165.1 | 2225.1 | 2187.1 | 2048.1 |
| 17.5° | 1704.1 | 1691.1 | 1724.1 | 1773.1 | 1867.1 | 1994.1 | 2076.1 | 2100.1 | 2182.1 | 2174.1 | 1993.1 |
| 20°   | 1609.1 | 1609.1 | 1636.1 | 1694.1 | 1780.1 | 1923.1 | 2069.1 | 2062.1 | 2182.1 | 2159.1 | 1934.1 |
| 22.5° | 1577.1 | 1593.1 | 1600.1 | 1644.1 | 1746.1 | 1869.1 | 2039.1 | 2052.1 | 2199.1 | 2152.1 | 1908.1 |
| 25°   | 1621.1 | 1600.1 | 1602.1 | 1637.1 | 1733.1 | 1843.1 | 2017.1 | 2046.1 | 2230.1 | 2187.1 | 1887.1 |
| 27.5° | 1628.1 | 1649.1 | 1655.1 | 1679.1 | 1743.1 | 1851.1 | 2072.1 | 2131.1 | 2307.1 | 2269.1 | 1893.1 |
| 30°   | 1689.1 | 1710.1 | 1709.1 | 1750.1 | 1794.1 | 1916.1 | 2195.1 | 2207.1 | 2466.1 | 2372.1 | 1930.1 |
| 32.5° | 1763.1 | 1785.1 | 1792.1 | 1840.1 | 1875.1 | 2035.1 | 2345.1 | 2376.1 | 2619.1 | 2534.1 | 2027.1 |
| 35°   | 1855.1 | 1847.1 | 1879.1 | 1927.1 | 2002.1 | 2209.1 | 2528.1 | 2580.1 | 2784.1 | 2744.1 | 2127.1 |
| 37.5° | 1970.1 | 1960.1 | 1991.1 | 2069.1 | 2171.1 | 2415.1 | 2697.1 | 2731.1 | 2904.1 | 2939.1 | 2312.1 |
| 40°   | 2051.1 | 2055.1 | 2149.1 | 2254.1 | 2362.1 | 2611.1 | 2804.1 | 2837.1 | 2988.1 | 3121.1 | 2452.1 |
| 42.5° | 2186.1 | 2211.1 | 2324.1 | 2452.1 | 2565.1 | 2758.1 | 2891.1 | 2923.1 | 3027.1 | 3267.1 | 2641.1 |
| 45°   | 2382.1 | 2371.1 | 2496.1 | 2639.1 | 2764.1 | 2911.1 | 2994.1 | 2983.1 | 3050.1 | 3412.1 | 2760.1 |
| 47.5° | 2634.1 | 2636.1 | 2719.1 | 2841.1 | 2971.1 | 3044.1 | 3109.1 | 3070.1 | 3098.1 | 3565.1 | 2919.1 |
| 50°   | 2806.1 | 2821.1 | 2888.1 | 3013.1 | 3078.1 | 3190.1 | 3273.1 | 3249.1 | 3240.1 | 3657.1 | 3019.1 |
| 52.5° | 2850.1 | 2895.1 | 2931.1 | 3087.1 | 3239.1 | 3416.1 | 3522.1 | 3573.1 | 3413.1 | 3688.1 | 3146.1 |
| 55°   | 2518.1 | 2558.1 | 2685.1 | 2899.1 | 3300.1 | 3774.1 | 3920.1 | 3921.1 | 3639.1 | 3826.1 | 3235.1 |
| 57.5° | 2013.1 | 1932.1 | 2010.1 | 2237.1 | 2790.1 | 3759.1 | 4114.1 | 4067.1 | 3752.1 | 3745.1 | 3158.1 |
| 60°   | 1392.0 | 1372.0 | 1377.0 | 1467.1 | 1931.1 | 2990.1 | 3666.1 | 3727.1 | 3455.1 | 3246.1 | 2500.1 |
| 62.5° | 1103.0 | 1086.0 | 1064.0 | 1054.0 | 1199.0 | 1863.1 | 2586.1 | 2672.1 | 2416.1 | 2105.1 | 1482.1 |
| 65°   | 864.0  | 854.0  | 857.0  | 897.0  | 896.0  | 1057.0 | 1414.0 | 1379.0 | 1104.0 | 816.0  | 466.0  |
| 67.5° | 583.0  | 598.0  | 610.0  | 731.0  | 793.0  | 736.0  | 683.0  | 663.0  | 359.0  | 151.0  | 103.0  |
| 70°   | 328.0  | 330.0  | 343.0  | 457.0  | 602.0  | 571.0  | 471.0  | 471.0  | 179.0  | 55.0   | 59.0   |
| 72.5° | 179.0  | 173.0  | 161.0  | 197.0  | 268.0  | 272.0  | 210.0  | 183.0  | 53.0   | 36.0   | 33.0   |
| 75°   | 87.0   | 86.0   | 74.0   | 61.0   | 58.0   | 48.0   | 37.0   | 34.0   | 24.0   | 23.0   | 20.0   |
| 77.5° | 18.0   | 17.0   | 9.0    | 9.0    | 10.0   | 11.0   | 14.0   | 14.0   | 17.0   | 17.0   | 14.0   |
| 80°   | 0.0    | 0.0    | 1.0    | 4.0    | 7.0    | 10.0   | 12.0   | 12.0   | 14.0   | 14.0   | 11.0   |
| 82.5° | 0.0    | 0.0    | 1.0    | 3.0    | 6.0    | 9.0    | 11.0   | 12.0   | 14.0   | 15.0   | 12.0   |
| 85°   | 0.0    | 0.0    | 0.0    | 2.0    | 5.0    | 7.0    | 6.0    | 6.0    | 5.0    | 4.0    | 2.0    |
| 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°    | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 | 2369.1 |
| 2.5°  | 2334.1 | 2332.1 | 2286.1 | 2260.1 | 2213.1 | 2172.1 | 2139.1 | 2115.1 | 2115.1 | 2100.1 | 2086.1 |
| 5°    | 2268.1 | 2251.1 | 2153.1 | 2090.1 | 2001.1 | 1935.1 | 1890.1 | 1855.1 | 1800.1 | 1815.1 | 1756.1 |
| 7.5°  | 2186.1 | 2143.1 | 2013.1 | 1917.1 | 1794.1 | 1700.1 | 1604.1 | 1519.1 | 1437.0 | 1400.0 | 1420.0 |
| 10°   | 2098.1 | 2023.1 | 1848.1 | 1696.1 | 1543.1 | 1371.0 | 1259.0 | 1123.0 | 1039.0 | 1034.0 | 1012.0 |
| 12.5° | 2005.1 | 1920.1 | 1707.1 | 1497.1 | 1296.0 | 1089.0 | 918.0  | 791.0  | 734.0  | 671.0  | 683.0  |
| 15°   | 1935.1 | 1809.1 | 1550.1 | 1297.0 | 1030.0 | 821.0  | 649.0  | 551.0  | 497.0  | 482.0  | 477.0  |
| 17.5° | 1859.1 | 1724.1 | 1390.0 | 1084.0 | 808.0  | 591.0  | 467.0  | 420.0  | 399.0  | 399.0  | 396.0  |
| 20°   | 1780.1 | 1628.1 | 1231.0 | 886.0  | 606.0  | 441.0  | 374.0  | 359.0  | 358.0  | 357.0  | 357.0  |
| 22.5° | 1728.1 | 1518.1 | 1087.0 | 704.0  | 457.0  | 353.0  | 325.0  | 319.0  | 323.0  | 335.0  | 335.0  |
| 25°   | 1673.1 | 1412.0 | 928.0  | 543.0  | 354.0  | 303.0  | 287.0  | 291.0  | 301.0  | 312.0  | 308.0  |
| 27.5° | 1617.1 | 1343.0 | 778.0  | 426.0  | 290.0  | 265.0  | 259.0  | 268.0  | 279.0  | 289.0  | 286.0  |
| 30°   | 1604.1 | 1269.0 | 636.0  | 323.0  | 249.0  | 231.0  | 235.0  | 243.0  | 254.0  | 258.0  | 262.0  |
| 32.5° | 1624.1 | 1211.0 | 521.0  | 265.0  | 217.0  | 212.0  | 212.0  | 216.0  | 223.0  | 232.0  | 229.0  |
| 35°   | 1681.1 | 1178.0 | 412.0  | 230.0  | 199.0  | 194.0  | 193.0  | 197.0  | 201.0  | 204.0  | 201.0  |
| 37.5° | 1768.1 | 1152.0 | 337.0  | 204.0  | 187.0  | 179.0  | 177.0  | 176.0  | 180.0  | 181.0  | 183.0  |
| 40°   | 1879.1 | 1166.0 | 286.0  | 188.0  | 175.0  | 166.0  | 160.0  | 160.0  | 160.0  | 163.0  | 164.0  |
| 42.5° | 1999.1 | 1185.0 | 247.0  | 179.0  | 164.0  | 153.0  | 147.0  | 145.0  | 147.0  | 151.0  | 150.0  |
| 45°   | 2125.1 | 1222.0 | 222.0  | 165.0  | 154.0  | 140.0  | 132.0  | 130.0  | 135.0  | 143.0  | 142.0  |
| 47.5° | 2243.1 | 1275.0 | 203.0  | 156.0  | 144.0  | 131.0  | 121.0  | 119.0  | 128.0  | 139.0  | 140.0  |
| 50°   | 2361.1 | 1367.0 | 196.0  | 149.0  | 137.0  | 122.0  | 113.0  | 111.0  | 121.0  | 135.0  | 138.0  |
| 52.5° | 2497.1 | 1466.1 | 191.0  | 140.0  | 129.0  | 115.0  | 105.0  | 103.0  | 114.0  | 132.0  | 133.0  |
| 55°   | 2586.1 | 1550.1 | 187.0  | 124.0  | 114.0  | 104.0  | 96.0   | 95.0   | 107.0  | 123.0  | 127.0  |
| 57.5° | 2482.1 | 1433.0 | 173.0  | 108.0  | 97.0   | 92.0   | 85.0   | 85.0   | 95.0   | 110.0  | 113.0  |
| 60°   | 1882.1 | 943.0  | 123.0  | 87.0   | 82.0   | 79.0   | 76.0   | 76.0   | 84.0   | 95.0   | 96.0   |
| 62.5° | 1102.0 | 508.0  | 79.0   | 70.0   | 70.0   | 67.0   | 62.0   | 62.0   | 70.0   | 76.0   | 77.0   |
| 65°   | 327.0  | 163.0  | 64.0   | 60.0   | 59.0   | 54.0   | 49.0   | 48.0   | 54.0   | 57.0   | 56.0   |
| 67.5° | 94.0   | 75.0   | 53.0   | 50.0   | 49.0   | 41.0   | 38.0   | 37.0   | 38.0   | 36.0   | 35.0   |
| 70°   | 56.0   | 51.0   | 41.0   | 42.0   | 37.0   | 30.0   | 27.0   | 26.0   | 24.0   | 21.0   | 19.0   |
| 72.5° | 31.0   | 31.0   | 30.0   | 32.0   | 26.0   | 20.0   | 17.0   | 14.0   | 11.0   | 9.0    | 8.0    |
| 75°   | 19.0   | 20.0   | 21.0   | 22.0   | 17.0   | 13.0   | 11.0   | 7.0    | 4.0    | 2.0    | 2.0    |
| 77.5° | 13.0   | 14.0   | 15.0   | 16.0   | 14.0   | 12.0   | 9.0    | 5.0    | 1.0    | 0.0    | 0.0    |
| 80°   | 10.0   | 11.0   | 13.0   | 14.0   | 15.0   | 16.0   | 12.0   | 5.0    | 1.0    | 0.0    | 0.0    |
| 82.5° | 11.0   | 12.0   | 15.0   | 14.0   | 14.0   | 14.0   | 11.0   | 5.0    | 1.0    | 0.0    | 0.0    |
| 85°   | 2.0    | 3.0    | 5.0    | 5.0    | 7.0    | 9.0    | 7.0    | 2.0    | 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)