

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: P526737

Luminaire Tested: **GLAN-SA1D-722-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526737  
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-722-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2200K, 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: 3500 lumens  
Efficiency: N/A  
Efficacy: 53.8 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): 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

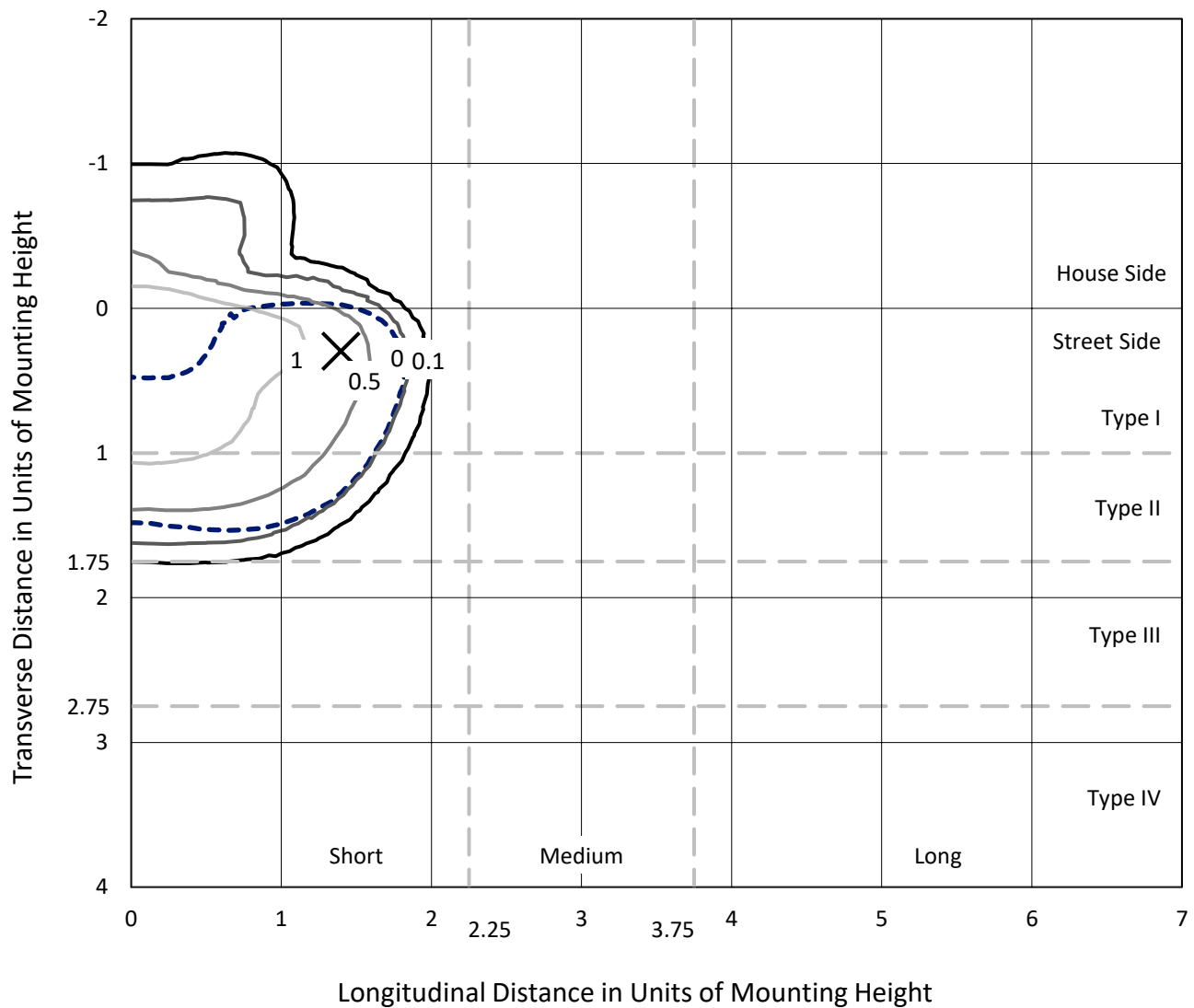


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

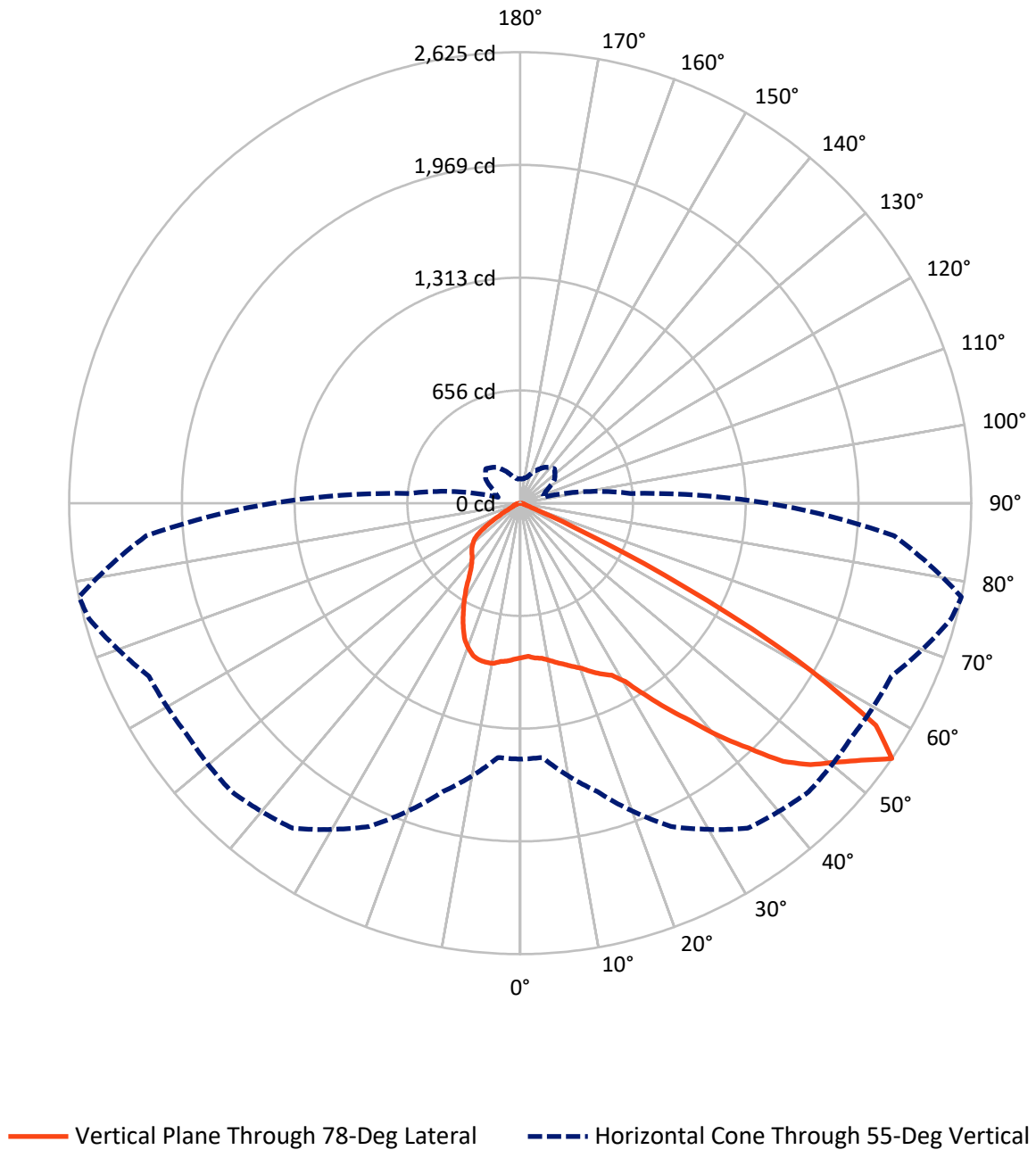


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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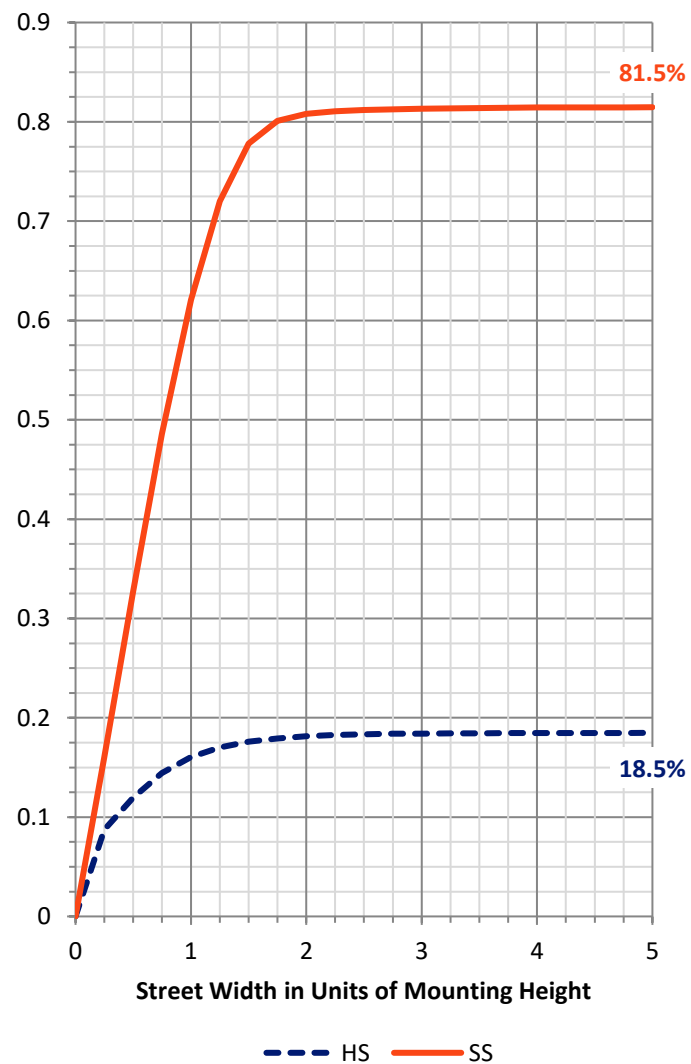
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 650.1    | 0.0    | 650.1  |
|                    | % Fixture | 18.6     | 0.0    | 18.6   |
| <b>Street Side</b> | Lumens    | 2849.9   | 0.0    | 2849.9 |
|                    | % Fixture | 81.4     | 0.0    | 81.4   |
| <b>Total</b>       | Lumens    | 3500.0   | 0.0    | 3500.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.2   | 2.3       |
| 10°-20°   | 212.3  | 6.1       |
| 20°-30°   | 372.2  | 10.6      |
| 30°-40°   | 613.7  | 17.5      |
| 40°-50°   | 893.1  | 25.5      |
| 50°-60°   | 1011.9 | 28.9      |
| 60°-70°   | 289.3  | 8.3       |
| 70°-80°   | 22.5   | 0.6       |
| 80°-90°   | 4.7    | 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°    | 3500.0 | 100.0     |
| 0°-180°   | 3500.0 | 100.0     |

**Coefficient of Utilization**



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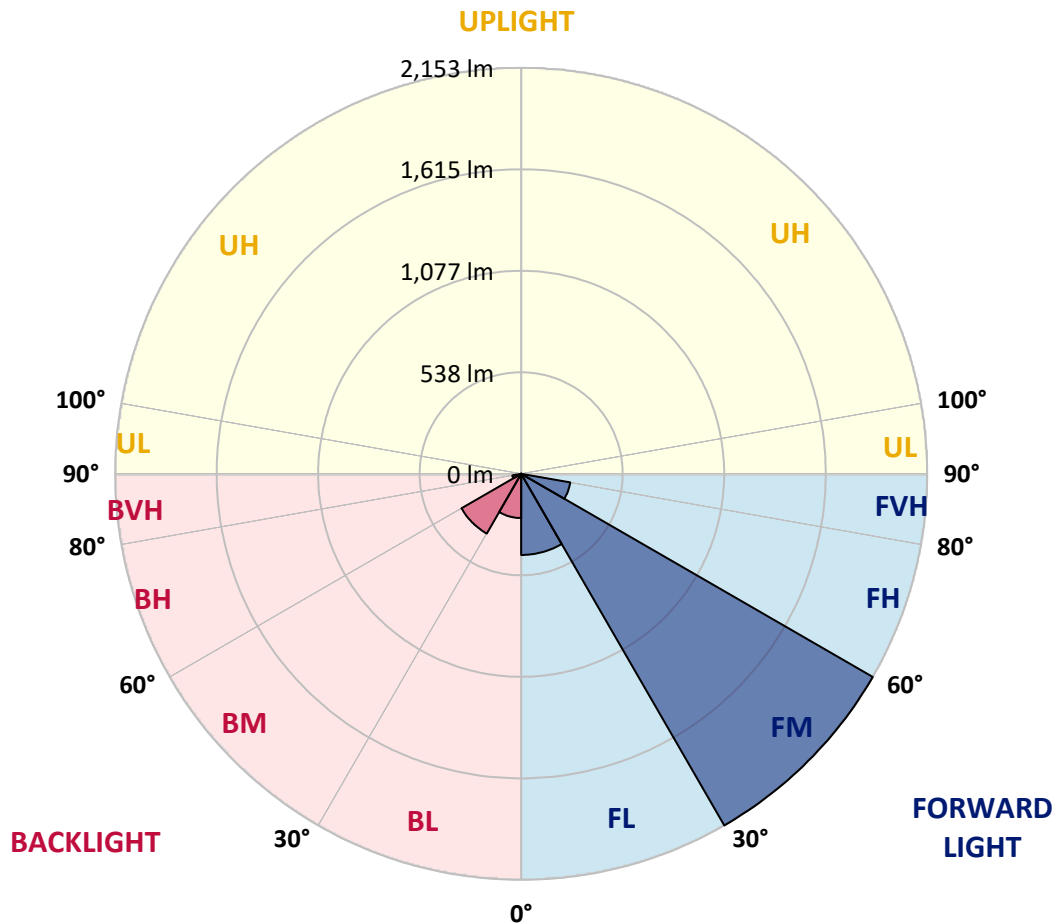
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 430.3  | 12.3      |                         |      |        |
| FM   | (30°-60°)   | 2153.0 | 61.5      |                         |      |        |
| FH   | (60°-80°)   | 264.3  | 7.6       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 2.3    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 234.6  | 6.7       | B1/500                  |      |        |
| BM   | (30°-60°)   | 365.7  | 10.4      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 47.5   | 1.4       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 2.4    | 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°    | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  | 899.9  |
| 2.5°  | 846.0  | 854.2  | 855.4  | 865.4  | 864.8  | 881.7  | 886.7  | 887.3  | 898.6  | 893.0  | 907.4  |
| 5°    | 822.3  | 817.9  | 816.0  | 833.5  | 838.5  | 853.5  | 866.1  | 873.6  | 896.7  | 904.9  | 919.9  |
| 7.5°  | 801.0  | 801.0  | 802.2  | 817.9  | 816.0  | 835.4  | 848.5  | 871.7  | 905.5  | 912.4  | 930.5  |
| 10°   | 780.3  | 772.8  | 782.2  | 798.5  | 812.2  | 821.0  | 848.5  | 870.4  | 909.9  | 929.9  | 954.9  |
| 12.5° | 769.7  | 773.4  | 774.7  | 786.6  | 801.6  | 827.9  | 842.9  | 879.2  | 941.2  | 953.0  | 980.0  |
| 15°   | 836.6  | 829.1  | 811.0  | 800.4  | 812.9  | 825.4  | 862.9  | 899.9  | 957.4  | 974.3  | 1004.4 |
| 17.5° | 914.2  | 908.0  | 893.0  | 864.2  | 836.0  | 859.2  | 888.6  | 922.4  | 974.9  | 1000.0 | 1044.4 |
| 20°   | 1015.6 | 1005.6 | 990.6  | 934.3  | 909.9  | 884.8  | 916.1  | 956.2  | 1003.7 | 1026.3 | 1071.9 |
| 22.5° | 1136.4 | 1136.4 | 1102.6 | 1034.4 | 983.7  | 959.9  | 973.1  | 996.2  | 1035.6 | 1066.3 | 1111.4 |
| 25°   | 1262.2 | 1258.4 | 1227.8 | 1157.0 | 1071.3 | 1043.2 | 1058.2 | 1074.4 | 1085.1 | 1102.0 | 1132.0 |
| 27.5° | 1406.1 | 1384.2 | 1345.4 | 1267.2 | 1191.5 | 1137.0 | 1153.3 | 1138.9 | 1125.8 | 1134.5 | 1177.7 |
| 30°   | 1503.7 | 1517.5 | 1468.0 | 1393.0 | 1321.6 | 1260.9 | 1264.0 | 1251.5 | 1191.5 | 1204.0 | 1229.6 |
| 32.5° | 1605.1 | 1613.9 | 1586.3 | 1545.0 | 1473.7 | 1403.0 | 1377.3 | 1366.7 | 1321.6 | 1327.3 | 1302.2 |
| 35°   | 1689.6 | 1706.5 | 1682.1 | 1663.9 | 1643.3 | 1586.3 | 1515.6 | 1550.0 | 1477.4 | 1463.7 | 1398.6 |
| 37.5° | 1767.2 | 1762.2 | 1790.9 | 1772.2 | 1767.8 | 1727.7 | 1650.1 | 1657.0 | 1608.2 | 1605.1 | 1530.0 |
| 40°   | 1836.6 | 1837.9 | 1877.3 | 1886.1 | 1868.5 | 1797.2 | 1684.6 | 1739.0 | 1778.4 | 1782.2 | 1685.8 |
| 42.5° | 1894.2 | 1911.1 | 1944.9 | 2015.6 | 1989.3 | 1870.4 | 1720.2 | 1779.7 | 1926.1 | 1949.3 | 1833.5 |
| 45°   | 1944.3 | 1978.7 | 2020.6 | 2083.8 | 2068.8 | 1974.3 | 1809.1 | 1863.5 | 2083.8 | 2144.5 | 1972.4 |
| 47.5° | 1947.4 | 1992.4 | 2038.1 | 2132.0 | 2150.8 | 2030.0 | 1901.1 | 1996.2 | 2209.0 | 2274.7 | 2073.8 |
| 50°   | 1934.9 | 1958.6 | 2050.0 | 2152.0 | 2194.6 | 2120.7 | 2030.0 | 2107.6 | 2330.4 | 2371.7 | 2125.1 |
| 52.5° | 1786.6 | 1804.7 | 1988.1 | 2170.8 | 2273.4 | 2223.3 | 2200.8 | 2262.8 | 2454.3 | 2484.9 | 2173.3 |
| 55°   | 1489.3 | 1486.2 | 1738.4 | 2076.3 | 2309.7 | 2375.4 | 2361.6 | 2383.5 | 2597.6 | 2625.1 | 2185.2 |
| 57.5° | 1018.7 | 1075.7 | 1293.5 | 1729.0 | 2087.6 | 2339.7 | 2354.1 | 2317.8 | 2430.5 | 2441.1 | 1904.8 |
| 60°   | 549.4  | 573.2  | 748.4  | 1153.9 | 1589.4 | 1906.7 | 1944.3 | 1878.6 | 1869.8 | 1839.8 | 1359.8 |
| 62.5° | 218.4  | 230.3  | 329.8  | 571.3  | 866.1  | 1158.9 | 1239.6 | 1212.7 | 1155.2 | 1076.3 | 704.0  |
| 65°   | 103.9  | 111.4  | 164.0  | 267.2  | 384.2  | 483.1  | 563.8  | 588.8  | 434.3  | 391.1  | 232.2  |
| 67.5° | 70.7   | 76.3   | 119.5  | 152.7  | 137.0  | 143.3  | 186.5  | 173.3  | 102.0  | 87.0   | 64.5   |
| 70°   | 53.8   | 57.6   | 95.7   | 103.9  | 61.3   | 43.2   | 48.2   | 45.1   | 41.9   | 42.6   | 41.9   |
| 72.5° | 38.2   | 41.3   | 70.1   | 61.3   | 26.9   | 20.0   | 25.7   | 30.7   | 30.7   | 30.7   | 30.0   |
| 75°   | 23.2   | 26.3   | 40.7   | 23.8   | 10.6   | 10.6   | 16.3   | 20.7   | 21.9   | 22.5   | 21.3   |
| 77.5° | 11.9   | 15.0   | 13.8   | 6.9    | 6.9    | 8.1    | 11.9   | 14.4   | 15.6   | 15.6   | 15.0   |
| 80°   | 2.5    | 2.5    | 2.5    | 3.8    | 6.9    | 8.8    | 11.9   | 13.1   | 15.0   | 15.0   | 13.8   |
| 82.5° | 0.0    | 0.6    | 1.9    | 3.8    | 6.3    | 8.1    | 11.3   | 13.1   | 15.0   | 15.6   | 14.4   |
| 85°   | 0.0    | 0.6    | 1.3    | 2.5    | 4.4    | 5.0    | 4.4    | 3.8    | 3.8    | 3.8    | 3.8    |
| 87.5° | 0.0    | 0.0    | 0.6    | 0.6    | 0.6    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 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°    | 899.9  | 899.9  | 899.9 | 899.9 | 899.9 | 899.9 | 899.9 | 899.9 | 899.9 | 899.9 | 899.9 |
| 2.5°  | 908.6  | 910.5  | 907.4 | 906.7 | 904.2 | 911.7 | 893.6 | 889.2 | 900.5 | 889.8 | 892.3 |
| 5°    | 920.5  | 924.9  | 919.3 | 909.9 | 896.1 | 874.8 | 856.7 | 832.9 | 821.6 | 813.5 | 812.2 |
| 7.5°  | 929.3  | 932.4  | 926.8 | 896.7 | 855.4 | 801.6 | 761.6 | 732.1 | 709.0 | 702.1 | 690.8 |
| 10°   | 964.9  | 965.6  | 937.4 | 871.1 | 790.3 | 719.6 | 658.3 | 613.3 | 590.1 | 575.7 | 569.4 |
| 12.5° | 988.7  | 987.5  | 930.5 | 820.4 | 712.7 | 618.9 | 548.8 | 494.4 | 473.1 | 466.2 | 461.8 |
| 15°   | 1018.7 | 1011.9 | 914.2 | 768.4 | 612.6 | 511.3 | 448.0 | 410.5 | 408.6 | 404.2 | 408.6 |
| 17.5° | 1042.5 | 1023.1 | 890.5 | 674.0 | 516.9 | 421.1 | 379.8 | 382.3 | 387.3 | 391.7 | 392.4 |
| 20°   | 1081.3 | 1041.3 | 836.0 | 591.3 | 428.0 | 361.1 | 360.4 | 371.7 | 384.2 | 389.2 | 394.2 |
| 22.5° | 1110.7 | 1048.8 | 777.8 | 503.1 | 355.4 | 336.7 | 347.3 | 364.2 | 373.6 | 378.6 | 386.1 |
| 25°   | 1121.4 | 1028.1 | 700.2 | 414.9 | 320.4 | 325.4 | 341.7 | 352.9 | 364.8 | 370.5 | 367.3 |
| 27.5° | 1132.0 | 1017.5 | 607.6 | 341.7 | 301.6 | 317.9 | 331.7 | 342.9 | 346.7 | 354.2 | 359.2 |
| 30°   | 1157.7 | 980.6  | 524.4 | 295.4 | 292.2 | 312.9 | 322.9 | 326.7 | 336.7 | 341.0 | 341.0 |
| 32.5° | 1178.3 | 966.2  | 436.2 | 273.5 | 291.0 | 315.4 | 316.6 | 316.6 | 317.9 | 314.8 | 313.5 |
| 35°   | 1220.9 | 916.7  | 357.3 | 260.3 | 290.4 | 316.0 | 319.1 | 308.5 | 279.7 | 268.5 | 265.3 |
| 37.5° | 1273.4 | 884.8  | 299.1 | 257.2 | 294.7 | 323.5 | 328.5 | 288.5 | 250.9 | 232.8 | 229.7 |
| 40°   | 1337.3 | 862.3  | 260.9 | 255.9 | 304.7 | 341.0 | 326.0 | 272.8 | 224.0 | 197.7 | 196.5 |
| 42.5° | 1411.7 | 841.7  | 235.3 | 255.3 | 317.3 | 359.2 | 323.5 | 259.7 | 196.5 | 179.0 | 181.5 |
| 45°   | 1471.2 | 830.4  | 217.8 | 250.9 | 321.6 | 369.8 | 325.4 | 236.5 | 185.2 | 174.0 | 175.2 |
| 47.5° | 1517.5 | 806.6  | 203.4 | 243.4 | 321.0 | 373.6 | 308.5 | 227.2 | 179.6 | 182.7 | 185.9 |
| 50°   | 1518.7 | 774.7  | 185.2 | 227.2 | 311.6 | 366.7 | 289.1 | 218.4 | 178.3 | 191.5 | 197.7 |
| 52.5° | 1501.8 | 729.6  | 165.8 | 204.0 | 289.7 | 342.9 | 271.6 | 214.6 | 172.7 | 171.5 | 179.0 |
| 55°   | 1441.8 | 645.2  | 133.3 | 165.2 | 244.7 | 282.8 | 255.9 | 207.8 | 155.8 | 141.4 | 142.7 |
| 57.5° | 1165.2 | 462.4  | 98.2  | 118.3 | 173.3 | 207.1 | 230.9 | 204.6 | 140.2 | 120.1 | 120.8 |
| 60°   | 721.5  | 262.2  | 72.0  | 80.7  | 107.0 | 125.8 | 187.1 | 190.2 | 125.2 | 101.4 | 100.1 |
| 62.5° | 370.5  | 129.5  | 55.7  | 56.9  | 65.7  | 73.8  | 128.3 | 159.6 | 113.3 | 96.4  | 96.4  |
| 65°   | 123.9  | 63.8   | 48.8  | 43.8  | 43.8  | 45.7  | 77.6  | 110.8 | 95.7  | 80.7  | 80.7  |
| 67.5° | 53.2   | 47.6   | 42.6  | 38.2  | 35.0  | 33.2  | 43.8  | 64.5  | 71.3  | 61.3  | 58.8  |
| 70°   | 41.3   | 40.0   | 36.9  | 31.9  | 27.5  | 25.0  | 25.7  | 33.2  | 40.7  | 39.4  | 38.2  |
| 72.5° | 30.7   | 30.7   | 29.4  | 25.0  | 21.3  | 18.1  | 16.9  | 17.5  | 19.4  | 20.0  | 20.7  |
| 75°   | 21.3   | 21.9   | 21.9  | 19.4  | 15.6  | 13.1  | 11.3  | 9.4   | 7.5   | 6.3   | 5.6   |
| 77.5° | 14.4   | 15.0   | 16.3  | 14.4  | 11.9  | 8.8   | 6.9   | 5.0   | 3.1   | 1.3   | 1.3   |
| 80°   | 12.5   | 14.4   | 15.6  | 14.4  | 12.5  | 9.4   | 6.9   | 3.8   | 1.9   | 0.0   | 0.0   |
| 82.5° | 13.1   | 14.4   | 16.3  | 13.8  | 11.9  | 8.8   | 6.9   | 4.4   | 1.9   | 0.6   | 0.0   |
| 85°   | 3.1    | 3.1    | 3.8   | 4.4   | 5.6   | 6.3   | 5.0   | 3.1   | 1.9   | 0.6   | 0.0   |
| 87.5° | 1.3    | 1.3    | 1.3   | 1.3   | 1.3   | 0.6   | 0.6   | 0.6   | 0.6   | 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)