

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: P528187

Luminaire Tested: **GLAN-SA3B-730-U-T2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528187  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3B-730-U-T2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9126 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

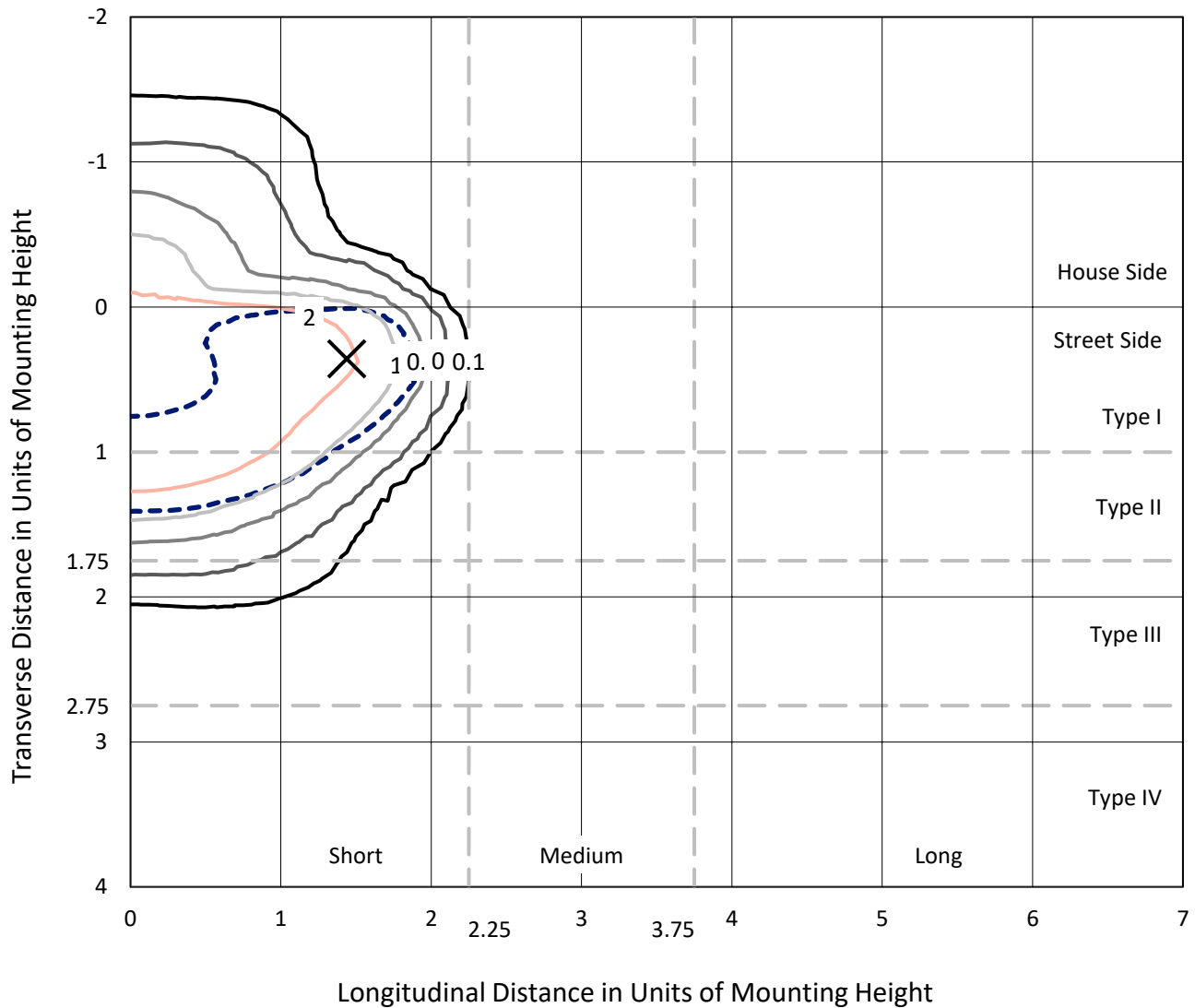
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

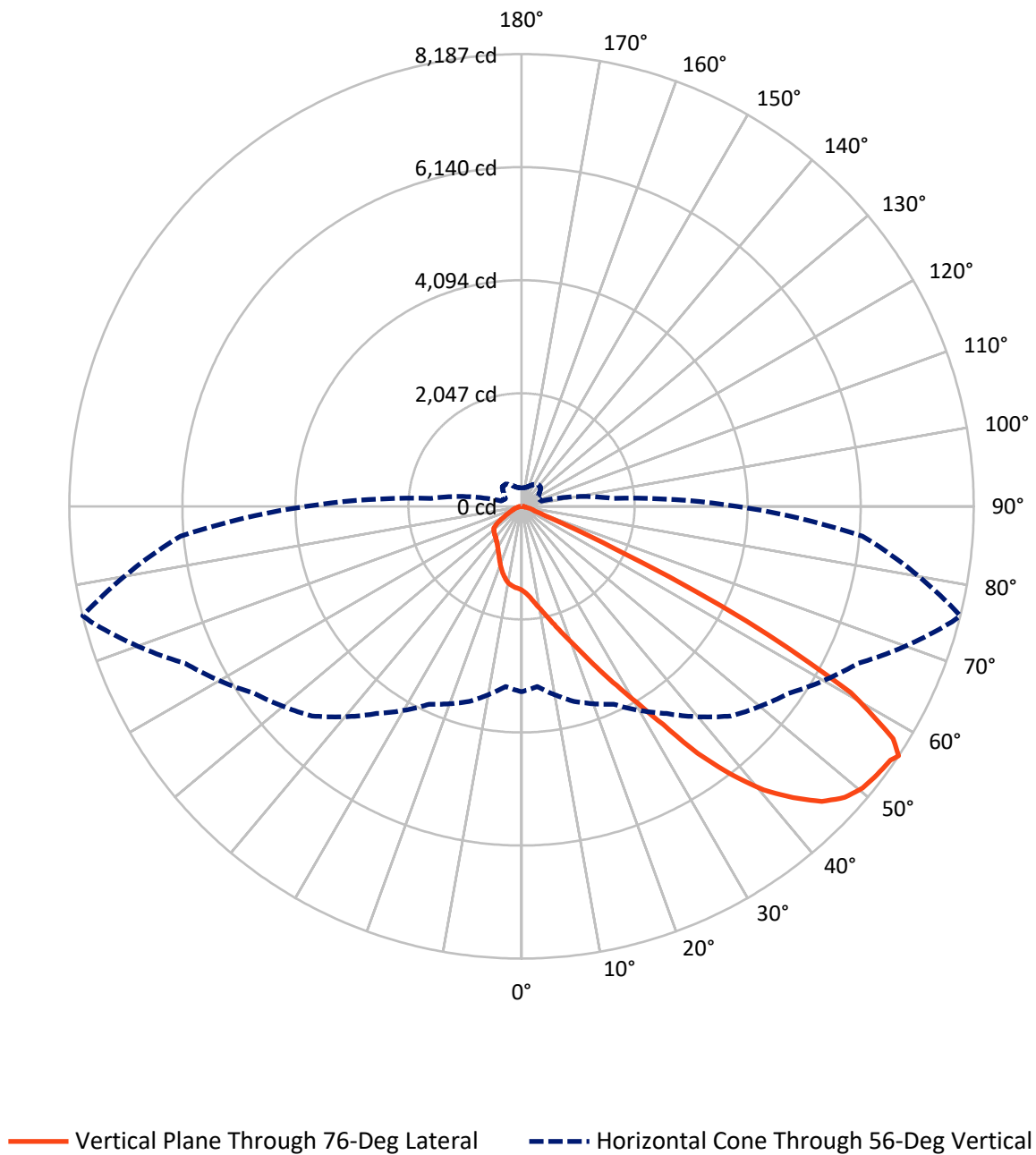
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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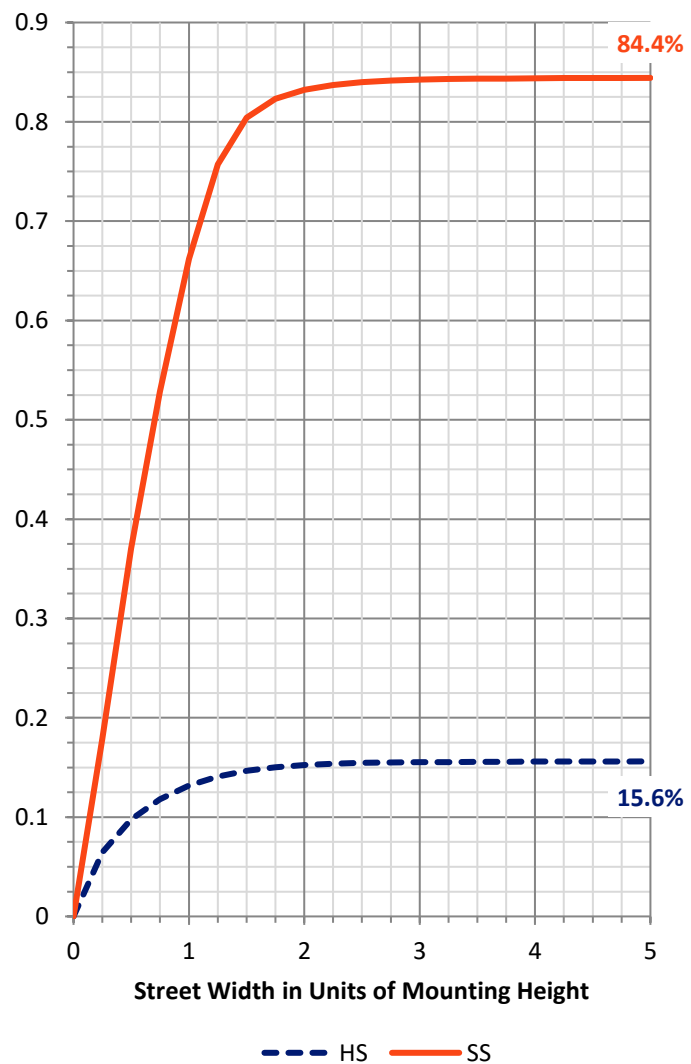
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1433.7   | 0.0    | 1433.7 |
|                    | % Fixture | 15.7     | 0.0    | 15.7   |
| <b>Street Side</b> | Lumens    | 7692.4   | 0.0    | 7692.4 |
|                    | % Fixture | 84.3     | 0.0    | 84.3   |
| <b>Total</b>       | Lumens    | 9126.0   | 0.0    | 9126.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 153.0  | 1.7       |
| 10°-20°   | 491.6  | 5.4       |
| 20°-30°   | 891.4  | 9.8       |
| 30°-40°   | 1537.3 | 16.8      |
| 40°-50°   | 2497.3 | 27.4      |
| 50°-60°   | 2632.3 | 28.8      |
| 60°-70°   | 804.3  | 8.8       |
| 70°-80°   | 103.1  | 1.1       |
| 80°-90°   | 15.7   | 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°    | 9126.0 | 100.0     |
| 0°-180°   | 9126.0 | 100.0     |

**Coefficient of Utilization**



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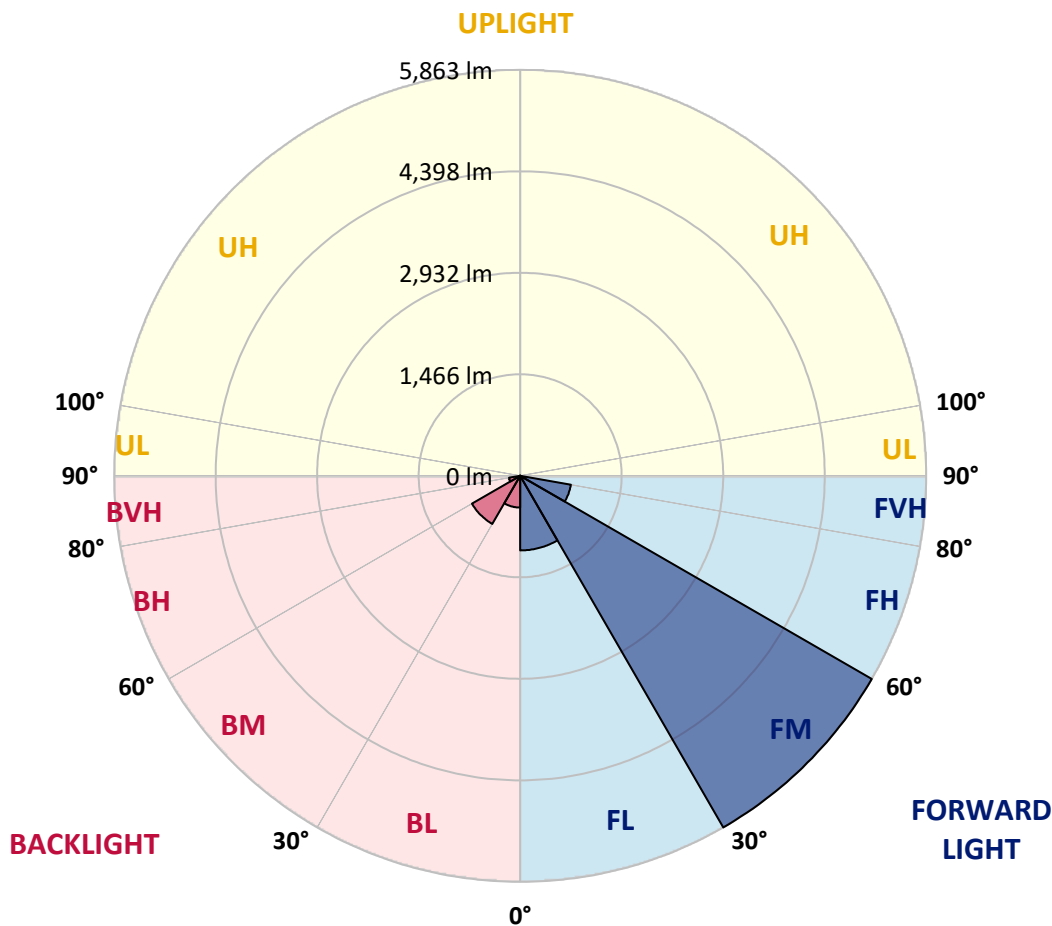
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1077.4 | 11.8      |                         |      |         |
| FM   | (30°-60°)   | 5863.4 | 64.2      |                         |      |         |
| FH   | (60°-80°)   | 743.8  | 8.2       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 7.7    | 0.1       |                         |      | G0/10   |
| BL   | (0°-30°)    | 458.6  | 5.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 803.5  | 8.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 163.6  | 1.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.0    | 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-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 76°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 |
| 2.5°  | 1749.5 | 1709.1 | 1710.8 | 1707.4 | 1702.4 | 1683.9 | 1628.4 | 1620.0 | 1583.0 | 1572.9 | 1539.2 |
| 5°    | 1959.8 | 1924.4 | 1944.6 | 1914.4 | 1885.8 | 1868.9 | 1778.1 | 1736.0 | 1677.2 | 1655.3 | 1608.2 |
| 7.5°  | 2091.0 | 2074.2 | 2067.4 | 2069.1 | 2042.2 | 2000.1 | 1959.8 | 1867.3 | 1788.2 | 1771.4 | 1672.1 |
| 10°   | 2154.9 | 2144.8 | 2154.9 | 2149.9 | 2161.6 | 2166.7 | 2096.0 | 2040.5 | 1924.4 | 1895.9 | 1741.1 |
| 12.5° | 2170.1 | 2190.2 | 2198.6 | 2220.5 | 2249.1 | 2297.9 | 2292.9 | 2217.2 | 2062.4 | 2043.9 | 1847.1 |
| 15°   | 2207.1 | 2223.9 | 2215.5 | 2250.8 | 2304.6 | 2387.1 | 2430.8 | 2419.0 | 2252.5 | 2218.8 | 1969.9 |
| 17.5° | 2240.7 | 2210.4 | 2239.0 | 2309.7 | 2363.5 | 2489.7 | 2595.7 | 2644.4 | 2459.4 | 2420.7 | 2082.6 |
| 20°   | 2286.1 | 2277.7 | 2272.7 | 2308.0 | 2403.9 | 2572.1 | 2782.4 | 2871.5 | 2691.5 | 2651.2 | 2244.1 |
| 22.5° | 2424.1 | 2425.7 | 2422.4 | 2370.2 | 2439.2 | 2629.3 | 2945.6 | 3165.9 | 2969.1 | 2935.5 | 2427.4 |
| 25°   | 2605.7 | 2583.9 | 2567.1 | 2525.0 | 2516.6 | 2681.4 | 3110.4 | 3525.9 | 3302.2 | 3278.6 | 2625.9 |
| 27.5° | 2797.5 | 2797.5 | 2747.1 | 2708.4 | 2654.5 | 2811.0 | 3261.8 | 3875.8 | 3704.2 | 3672.3 | 2799.2 |
| 30°   | 3006.1 | 3017.9 | 3011.2 | 2928.7 | 2895.1 | 2952.3 | 3416.6 | 4323.3 | 4165.2 | 4124.8 | 3085.2 |
| 32.5° | 3314.0 | 3288.7 | 3317.3 | 3248.3 | 3149.1 | 3199.6 | 3660.5 | 4723.6 | 4764.0 | 4706.8 | 3460.3 |
| 35°   | 3721.1 | 3705.9 | 3687.4 | 3574.7 | 3456.9 | 3497.3 | 4005.3 | 5216.5 | 5516.0 | 5487.4 | 3838.8 |
| 37.5° | 4086.1 | 4077.7 | 4062.5 | 3985.2 | 3848.9 | 3897.7 | 4397.3 | 5729.6 | 6249.4 | 6155.2 | 4373.7 |
| 40°   | 4469.6 | 4515.1 | 4466.3 | 4397.3 | 4272.8 | 4380.5 | 4858.2 | 6034.1 | 6866.8 | 6752.4 | 4782.5 |
| 42.5° | 4989.4 | 4954.1 | 4976.0 | 4849.8 | 4782.5 | 4900.3 | 5320.8 | 6338.6 | 7346.2 | 7210.0 | 5216.5 |
| 45°   | 5542.9 | 5544.6 | 5485.7 | 5445.3 | 5270.4 | 5398.2 | 5605.1 | 6506.8 | 7728.1 | 7622.1 | 5544.6 |
| 47.5° | 5897.8 | 5896.1 | 5960.1 | 6024.0 | 5844.0 | 5717.8 | 5798.6 | 6666.6 | 7924.9 | 7876.1 | 5664.0 |
| 50°   | 5842.3 | 5859.1 | 5941.6 | 6180.4 | 6274.6 | 6104.7 | 5980.3 | 6619.5 | 8014.1 | 8009.0 | 5766.6 |
| 52.5° | 5082.0 | 5137.5 | 5275.4 | 5620.3 | 6094.6 | 6304.9 | 6170.3 | 6707.0 | 8057.8 | 8066.2 | 5919.7 |
| 55°   | 3869.1 | 3899.4 | 4161.8 | 4580.7 | 5105.5 | 5825.5 | 6094.6 | 6775.9 | 8091.4 | 8106.6 | 6104.7 |
| 56°   | 3356.0 | 3275.3 | 3653.8 | 3951.5 | 4579.0 | 5366.3 | 5902.9 | 6722.1 | 8071.2 | 8187.3 | 6197.3 |
| 57.5° | 2533.4 | 2479.6 | 2785.7 | 3157.5 | 3761.4 | 4592.4 | 5307.4 | 6468.1 | 7935.0 | 7933.3 | 6064.4 |
| 60°   | 1540.9 | 1487.1 | 1722.6 | 1941.3 | 2279.4 | 2827.8 | 3586.5 | 5150.9 | 6708.7 | 6850.0 | 4910.4 |
| 62.5° | 916.8  | 950.4  | 1182.6 | 1315.5 | 1424.8 | 1482.0 | 1855.5 | 3061.6 | 4476.4 | 4577.3 | 3046.5 |
| 65°   | 610.6  | 622.4  | 797.4  | 1016.1 | 1064.8 | 847.8  | 755.3  | 1239.8 | 1941.3 | 1879.0 | 1256.6 |
| 67.5° | 376.8  | 403.7  | 534.9  | 763.7  | 846.2  | 619.1  | 358.3  | 462.6  | 534.9  | 534.9  | 363.4  |
| 70°   | 228.8  | 242.2  | 356.6  | 519.8  | 580.4  | 398.7  | 260.7  | 260.7  | 257.4  | 252.3  | 217.0  |
| 72.5° | 109.3  | 117.8  | 181.7  | 267.5  | 272.5  | 210.3  | 201.9  | 220.4  | 215.3  | 213.6  | 180.0  |
| 75°   | 47.1   | 50.5   | 63.9   | 84.1   | 95.9   | 89.2   | 122.8  | 158.1  | 163.2  | 158.1  | 129.5  |
| 77.5° | 15.1   | 16.8   | 23.6   | 30.3   | 32.0   | 38.7   | 52.1   | 65.6   | 75.7   | 70.7   | 63.9   |
| 80°   | 1.7    | 3.4    | 6.7    | 15.1   | 23.6   | 30.3   | 38.7   | 43.7   | 48.8   | 48.8   | 45.4   |
| 82.5° | 1.7    | 1.7    | 6.7    | 13.5   | 21.9   | 28.6   | 37.0   | 42.1   | 48.8   | 50.5   | 47.1   |
| 85°   | 0.0    | 1.7    | 5.0    | 11.8   | 18.5   | 18.5   | 16.8   | 16.8   | 11.8   | 11.8   | 11.8   |
| 87.5° | 0.0    | 0.0    | 1.7    | 1.7    | 1.7    | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    |
| 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°    | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 | 1519.0 |
| 2.5°  | 1532.5 | 1529.1 | 1483.7 | 1455.1 | 1440.0 | 1409.7 | 1391.2 | 1377.7 | 1367.6 | 1355.9 | 1357.5 |
| 5°    | 1552.7 | 1540.9 | 1465.2 | 1413.1 | 1350.8 | 1317.2 | 1288.6 | 1265.0 | 1249.9 | 1246.5 | 1239.8 |
| 7.5°  | 1609.9 | 1547.6 | 1433.2 | 1339.0 | 1260.0 | 1226.3 | 1201.1 | 1186.0 | 1192.7 | 1177.5 | 1189.3 |
| 10°   | 1653.6 | 1561.1 | 1394.6 | 1258.3 | 1179.2 | 1154.0 | 1140.5 | 1152.3 | 1169.1 | 1162.4 | 1154.0 |
| 12.5° | 1707.4 | 1574.5 | 1332.3 | 1180.9 | 1106.9 | 1088.4 | 1111.9 | 1133.8 | 1167.5 | 1180.9 | 1164.1 |
| 15°   | 1768.0 | 1589.7 | 1253.2 | 1091.8 | 1044.7 | 1059.8 | 1100.2 | 1138.9 | 1172.5 | 1189.3 | 1199.4 |
| 17.5° | 1842.0 | 1584.6 | 1175.9 | 1021.1 | 985.8  | 1029.5 | 1078.3 | 1113.6 | 1164.1 | 1189.3 | 1182.6 |
| 20°   | 1911.0 | 1567.8 | 1090.1 | 950.4  | 952.1  | 992.5  | 1032.9 | 1090.1 | 1117.0 | 1150.6 | 1138.9 |
| 22.5° | 1976.6 | 1537.5 | 1000.9 | 901.7  | 901.7  | 963.9  | 984.1  | 1021.1 | 1044.7 | 1061.5 | 1059.8 |
| 25°   | 2069.1 | 1480.3 | 926.9  | 854.6  | 874.7  | 915.1  | 931.9  | 943.7  | 933.6  | 947.1  | 948.8  |
| 27.5° | 2134.7 | 1421.5 | 866.3  | 812.5  | 849.5  | 879.8  | 874.7  | 868.0  | 844.5  | 826.0  | 837.7  |
| 30°   | 2205.4 | 1352.5 | 814.2  | 783.9  | 804.1  | 831.0  | 810.8  | 790.6  | 753.6  | 723.4  | 725.0  |
| 32.5° | 2306.3 | 1320.5 | 768.8  | 750.3  | 777.2  | 780.5  | 758.7  | 728.4  | 691.4  | 662.8  | 661.1  |
| 35°   | 2494.7 | 1300.3 | 730.1  | 728.4  | 733.4  | 735.1  | 713.3  | 676.2  | 661.1  | 637.6  | 646.0  |
| 37.5° | 2683.1 | 1290.3 | 703.2  | 696.4  | 694.8  | 696.4  | 671.2  | 635.9  | 664.5  | 662.8  | 666.2  |
| 40°   | 2923.7 | 1335.7 | 664.5  | 656.1  | 657.7  | 657.7  | 625.8  | 615.7  | 666.2  | 671.2  | 672.9  |
| 42.5° | 3167.6 | 1392.9 | 639.2  | 612.3  | 619.1  | 619.1  | 602.2  | 590.5  | 625.8  | 592.1  | 587.1  |
| 45°   | 3379.6 | 1477.0 | 612.3  | 568.6  | 585.4  | 593.8  | 588.8  | 568.6  | 546.7  | 489.5  | 489.5  |
| 47.5° | 3448.5 | 1551.0 | 580.4  | 526.5  | 540.0  | 577.0  | 561.9  | 519.8  | 481.1  | 434.0  | 430.6  |
| 50°   | 3569.7 | 1631.7 | 555.1  | 477.7  | 506.3  | 551.8  | 536.6  | 494.6  | 450.8  | 417.2  | 418.9  |
| 52.5° | 3694.1 | 1724.3 | 508.0  | 420.6  | 455.9  | 531.6  | 531.6  | 484.5  | 417.2  | 393.6  | 390.3  |
| 55°   | 3880.9 | 1720.9 | 423.9  | 344.9  | 407.1  | 501.3  | 509.7  | 434.0  | 373.5  | 354.9  | 354.9  |
| 56°   | 3907.8 | 1643.5 | 381.9  | 323.0  | 385.2  | 492.9  | 494.6  | 420.6  | 356.6  | 336.4  | 336.4  |
| 57.5° | 3705.9 | 1483.7 | 334.8  | 296.1  | 358.3  | 477.7  | 479.4  | 408.8  | 343.2  | 314.6  | 311.2  |
| 60°   | 2851.3 | 1004.3 | 279.2  | 264.1  | 324.7  | 430.6  | 439.1  | 371.8  | 301.1  | 279.2  | 277.6  |
| 62.5° | 1609.9 | 556.8  | 245.6  | 238.9  | 279.2  | 366.7  | 392.0  | 324.7  | 255.7  | 243.9  | 247.3  |
| 65°   | 735.1  | 306.2  | 206.9  | 193.5  | 225.4  | 282.6  | 316.3  | 267.5  | 210.3  | 196.8  | 196.8  |
| 67.5° | 269.2  | 208.6  | 176.6  | 153.1  | 158.1  | 183.4  | 205.2  | 173.3  | 139.6  | 119.4  | 124.5  |
| 70°   | 191.8  | 174.9  | 154.8  | 132.9  | 122.8  | 119.4  | 117.8  | 97.6   | 69.0   | 53.8   | 57.2   |
| 72.5° | 154.8  | 144.7  | 129.5  | 112.7  | 95.9   | 80.7   | 69.0   | 50.5   | 32.0   | 21.9   | 20.2   |
| 75°   | 111.0  | 106.0  | 94.2   | 80.7   | 67.3   | 57.2   | 47.1   | 32.0   | 16.8   | 8.4    | 8.4    |
| 77.5° | 57.2   | 57.2   | 55.5   | 50.5   | 42.1   | 33.6   | 26.9   | 18.5   | 10.1   | 3.4    | 3.4    |
| 80°   | 43.7   | 47.1   | 48.8   | 43.7   | 38.7   | 30.3   | 21.9   | 13.5   | 6.7    | 1.7    | 1.7    |
| 82.5° | 42.1   | 48.8   | 52.1   | 45.4   | 38.7   | 28.6   | 21.9   | 13.5   | 6.7    | 1.7    | 1.7    |
| 85°   | 10.1   | 10.1   | 15.1   | 16.8   | 21.9   | 23.6   | 18.5   | 11.8   | 5.0    | 1.7    | 1.7    |
| 87.5° | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    | 1.7    | 1.7    | 1.7    | 1.7    | 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)