

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: P526865

Luminaire Tested: **GLAN-SA1D-750-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526865  
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-SA1D-750-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

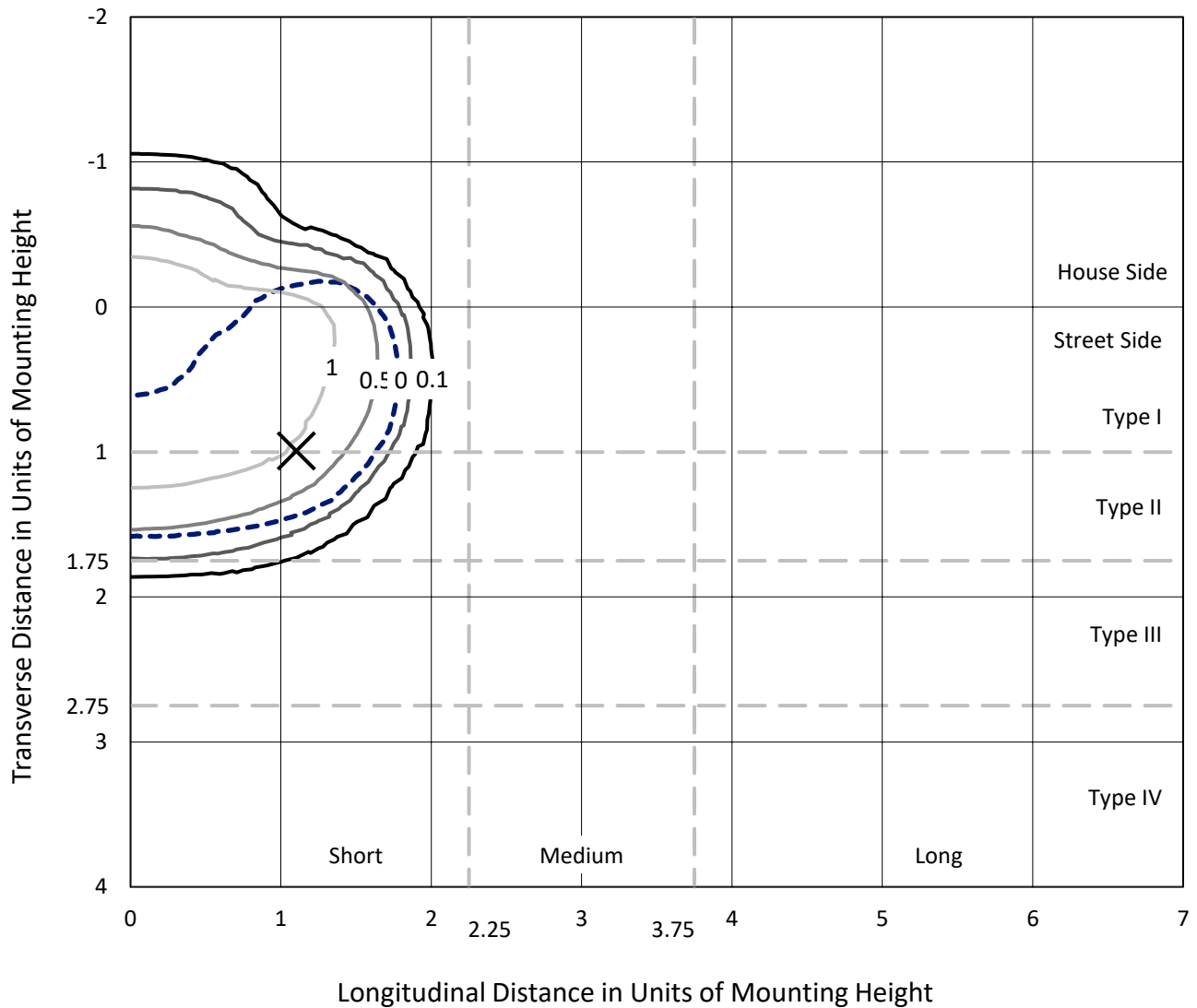
Lumens per Lamp: N/A  
Luminaire Lumens: 4674 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

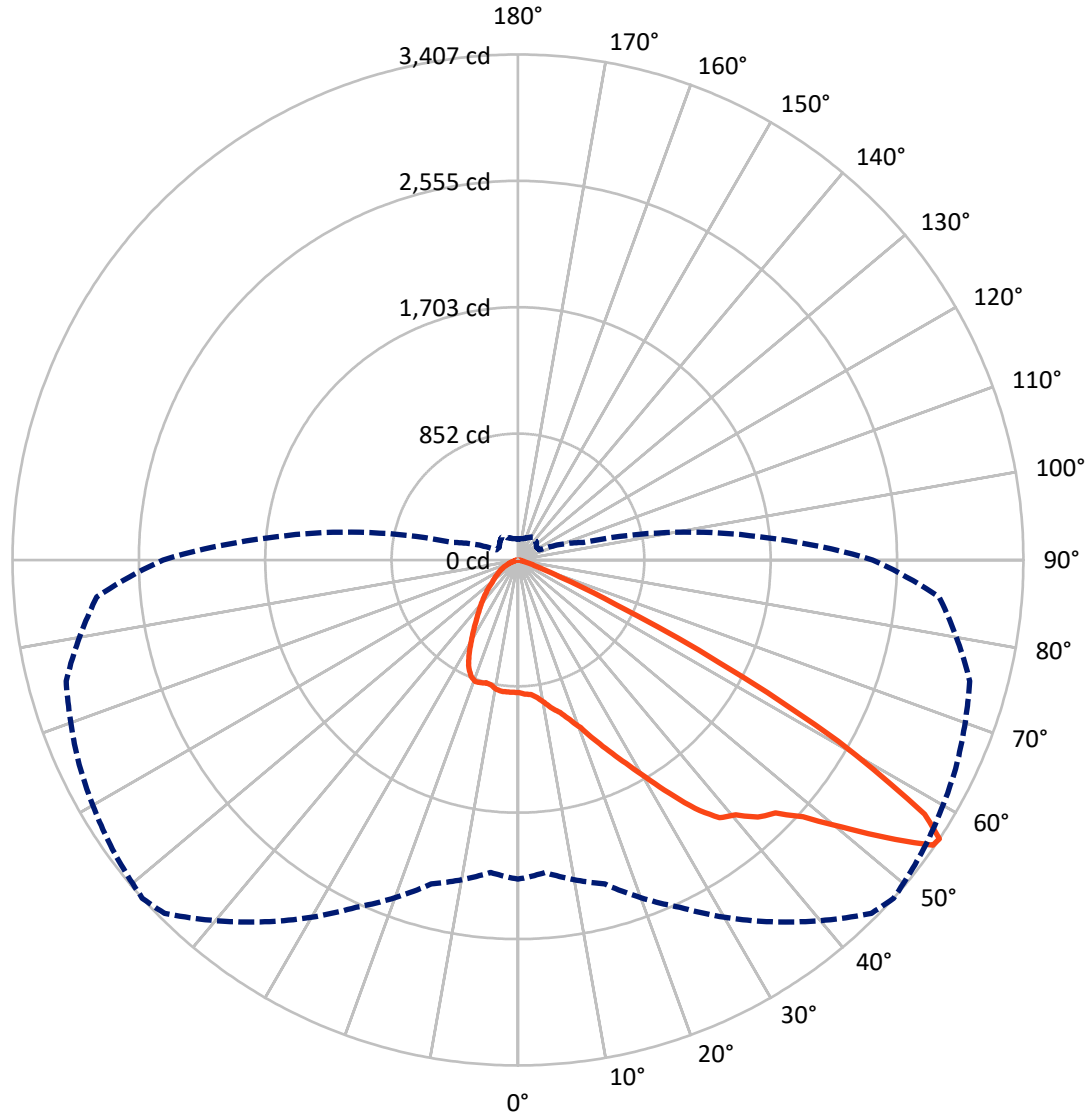
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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    | 1016.5   | 0.0    | 1016.5 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 3657.5   | 0.0    | 3657.5 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 4674.0   | 0.0    | 4674.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.0   | 1.9       |
| 10°-20°   | 277.9  | 5.9       |
| 20°-30°   | 504.1  | 10.8      |
| 30°-40°   | 791.8  | 16.9      |
| 40°-50°   | 1155.1 | 24.7      |
| 50°-60°   | 1391.7 | 29.8      |
| 60°-70°   | 407.5  | 8.7       |
| 70°-80°   | 51.7   | 1.1       |
| 80°-90°   | 7.3    | 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°    | 4674.0 | 100.0     |
| 0°-180°   | 4674.0 | 100.0     |

**Coefficient of Utilization**

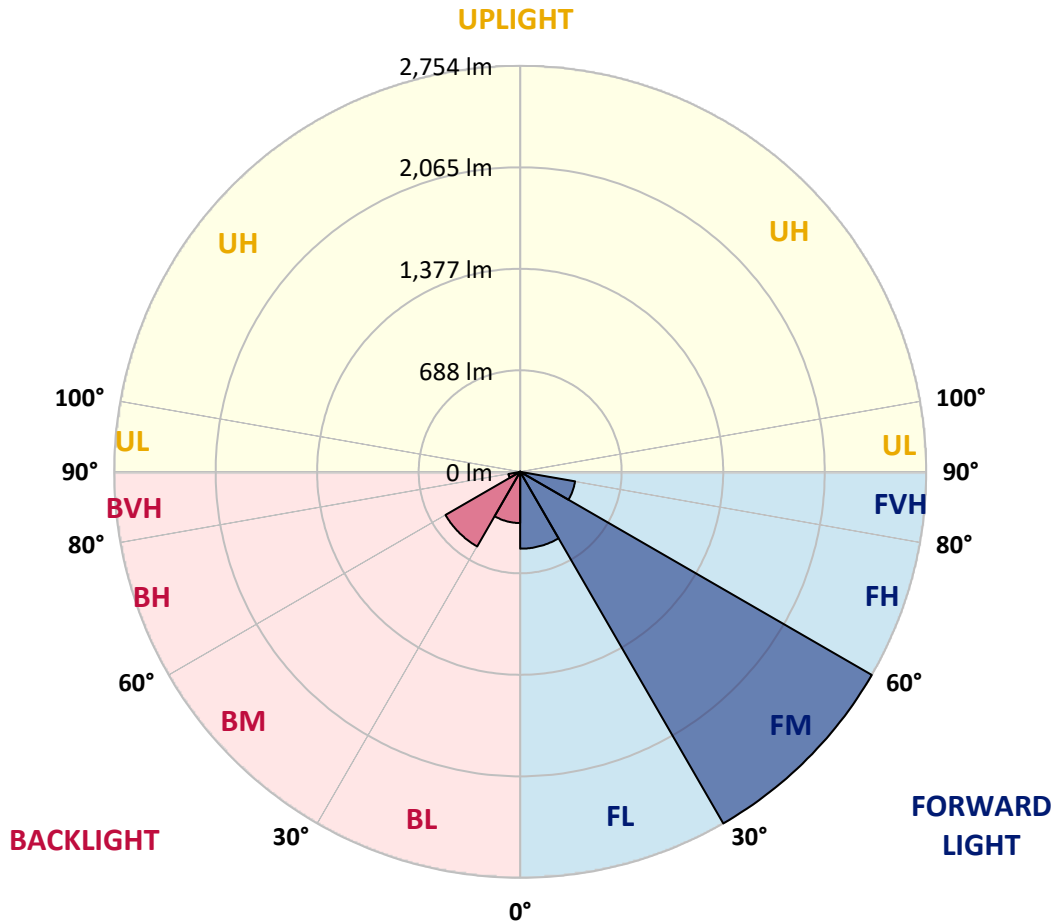


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 521.5  | 11.2      |                         |      |        |
| FM (30°-60°)   | 2753.9 | 58.9      |                         |      |        |
| FH (60°-80°)   | 378.4  | 8.1       |                         |      | G0/660 |
| FVH (80°-90°)  | 3.7    | 0.1       |                         |      | G0/10  |
| BL (0°-30°)    | 347.4  | 7.4       | B1/500                  |      |        |
| BM (30°-60°)   | 584.7  | 12.5      | B1/1000                 |      |        |
| BH (60°-80°)   | 80.8   | 1.7       | B0/110                  |      | G0/110 |
| BVH (80°-90°)  | 3.6    | 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°    | 48°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 892.7  | 892.7  | 892.7  | 892.7  | 892.7  | 892.7  | 892.7  | 892.7  | 892.7  | 892.7  | 892.7  |
| 2.5°  | 908.9  | 904.7  | 904.7  | 897.8  | 905.5  | 902.1  | 904.7  | 896.1  | 904.7  | 891.9  | 902.1  |
| 5°    | 913.2  | 914.0  | 910.6  | 914.9  | 914.9  | 920.0  | 911.5  | 919.1  | 923.4  | 914.0  | 909.8  |
| 7.5°  | 935.3  | 937.0  | 936.1  | 932.7  | 939.5  | 938.7  | 937.8  | 931.9  | 933.6  | 930.2  | 925.1  |
| 10°   | 978.7  | 977.8  | 982.1  | 973.6  | 968.5  | 974.4  | 976.1  | 966.8  | 960.0  | 957.4  | 941.2  |
| 12.5° | 1041.7 | 1031.5 | 1025.5 | 1017.0 | 1019.5 | 1011.0 | 1026.3 | 1010.2 | 1006.8 | 991.5  | 975.3  |
| 15°   | 1092.7 | 1091.0 | 1091.9 | 1078.3 | 1062.9 | 1066.3 | 1066.3 | 1057.8 | 1052.7 | 1034.0 | 1011.0 |
| 17.5° | 1197.4 | 1161.7 | 1169.3 | 1152.3 | 1139.5 | 1138.7 | 1131.0 | 1132.7 | 1119.1 | 1080.0 | 1045.1 |
| 20°   | 1279.1 | 1263.8 | 1251.9 | 1222.9 | 1203.4 | 1209.3 | 1205.9 | 1197.4 | 1193.2 | 1142.1 | 1092.7 |
| 22.5° | 1352.3 | 1357.4 | 1337.8 | 1330.2 | 1302.9 | 1305.5 | 1312.3 | 1304.6 | 1272.3 | 1219.5 | 1146.3 |
| 25°   | 1455.3 | 1449.3 | 1422.9 | 1413.6 | 1388.0 | 1397.4 | 1423.8 | 1417.8 | 1397.4 | 1302.1 | 1188.0 |
| 27.5° | 1577.0 | 1556.5 | 1561.6 | 1519.1 | 1494.4 | 1520.8 | 1552.3 | 1582.1 | 1524.2 | 1399.1 | 1237.4 |
| 30°   | 1662.9 | 1641.6 | 1639.9 | 1638.2 | 1632.3 | 1662.9 | 1699.5 | 1726.8 | 1679.9 | 1496.1 | 1319.1 |
| 32.5° | 1705.5 | 1710.6 | 1725.0 | 1719.9 | 1771.9 | 1834.8 | 1873.1 | 1912.3 | 1853.6 | 1654.4 | 1427.2 |
| 35°   | 1818.7 | 1786.3 | 1818.7 | 1822.1 | 1875.7 | 2009.3 | 2057.8 | 2151.4 | 2136.9 | 1878.2 | 1559.1 |
| 37.5° | 1885.0 | 1882.5 | 1886.7 | 1919.1 | 1971.0 | 2136.1 | 2205.0 | 2277.4 | 2250.1 | 2012.7 | 1723.3 |
| 40°   | 1994.8 | 2001.6 | 2000.8 | 2025.5 | 2082.5 | 2231.4 | 2259.5 | 2318.2 | 2320.8 | 2199.1 | 1965.0 |
| 42.5° | 2171.0 | 2143.8 | 2125.9 | 2151.4 | 2231.4 | 2314.0 | 2370.1 | 2358.2 | 2442.5 | 2425.5 | 2275.7 |
| 45°   | 2329.3 | 2345.5 | 2319.1 | 2361.6 | 2390.6 | 2434.8 | 2433.1 | 2458.6 | 2565.9 | 2646.7 | 2509.7 |
| 47.5° | 2477.4 | 2487.6 | 2500.3 | 2529.3 | 2592.3 | 2599.1 | 2584.6 | 2573.5 | 2721.6 | 2805.0 | 2691.0 |
| 50°   | 2565.9 | 2575.2 | 2634.8 | 2686.7 | 2804.2 | 2819.5 | 2828.0 | 2799.9 | 2900.3 | 2909.7 | 2862.0 |
| 52.5° | 2542.0 | 2552.3 | 2635.7 | 2806.7 | 2993.9 | 3134.4 | 3108.8 | 3061.2 | 3055.2 | 3091.8 | 3020.3 |
| 55°   | 2331.0 | 2321.6 | 2436.5 | 2702.9 | 3053.5 | 3390.5 | 3393.9 | 3343.7 | 3247.6 | 3222.9 | 2996.5 |
| 56°   | 2151.4 | 2114.8 | 2261.2 | 2582.9 | 2976.9 | 3368.4 | 3406.7 | 3353.1 | 3262.9 | 3152.2 | 2849.3 |
| 57.5° | 1762.5 | 1797.4 | 1942.9 | 2209.3 | 2712.2 | 3209.3 | 3231.4 | 3218.6 | 3150.5 | 2965.0 | 2507.1 |
| 60°   | 971.9  | 1033.2 | 1161.7 | 1487.6 | 1931.0 | 2462.9 | 2480.8 | 2584.6 | 2597.4 | 2270.6 | 1725.0 |
| 62.5° | 412.8  | 405.9  | 539.6  | 779.5  | 1099.5 | 1486.8 | 1519.9 | 1626.3 | 1645.9 | 1308.9 | 865.5  |
| 65°   | 167.7  | 177.0  | 244.2  | 392.3  | 581.3  | 677.4  | 724.2  | 759.1  | 823.8  | 540.4  | 319.1  |
| 67.5° | 110.6  | 109.8  | 143.8  | 223.8  | 313.2  | 302.1  | 302.1  | 319.1  | 295.3  | 220.4  | 137.9  |
| 70°   | 79.1   | 81.7   | 103.0  | 154.9  | 194.9  | 144.7  | 138.7  | 132.8  | 150.6  | 145.5  | 111.5  |
| 72.5° | 51.9   | 55.3   | 68.9   | 92.8   | 101.3  | 79.1   | 79.1   | 95.3   | 124.3  | 117.4  | 91.1   |
| 75°   | 34.0   | 34.9   | 42.6   | 53.6   | 50.2   | 40.8   | 45.1   | 63.8   | 90.2   | 86.8   | 64.7   |
| 77.5° | 23.0   | 23.8   | 28.9   | 34.9   | 28.1   | 23.0   | 24.7   | 32.3   | 44.3   | 44.3   | 34.0   |
| 80°   | 8.5    | 9.4    | 11.9   | 11.1   | 12.8   | 16.2   | 17.9   | 22.1   | 26.4   | 26.4   | 23.0   |
| 82.5° | 0.0    | 0.9    | 2.6    | 6.0    | 9.4    | 12.8   | 14.5   | 17.0   | 19.6   | 22.1   | 21.3   |
| 85°   | 0.0    | 0.9    | 2.6    | 4.3    | 6.8    | 7.7    | 8.5    | 6.0    | 5.1    | 5.1    | 4.3    |
| 87.5° | 0.0    | 0.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.7    | 0.9    | 0.9    |
| 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°    | 892.7  | 892.7  | 892.7  | 892.7 | 892.7 | 892.7 | 892.7 | 892.7 | 892.7 | 892.7 | 892.7 |
| 2.5°  | 892.7  | 891.9  | 891.9  | 889.3 | 894.4 | 891.9 | 893.6 | 892.7 | 881.7 | 890.2 | 884.2 |
| 5°    | 902.1  | 908.1  | 898.7  | 897.0 | 890.2 | 892.7 | 892.7 | 884.2 | 891.9 | 891.0 | 889.3 |
| 7.5°  | 925.9  | 915.7  | 905.5  | 895.3 | 893.6 | 891.0 | 881.7 | 878.3 | 884.2 | 877.4 | 887.6 |
| 10°   | 936.1  | 937.8  | 922.5  | 908.9 | 896.1 | 878.3 | 865.5 | 857.8 | 848.5 | 858.7 | 864.7 |
| 12.5° | 982.9  | 965.9  | 939.5  | 918.3 | 874.9 | 857.0 | 844.2 | 840.8 | 857.0 | 860.4 | 854.4 |
| 15°   | 999.1  | 996.6  | 962.5  | 914.9 | 869.8 | 848.5 | 851.0 | 844.2 | 845.9 | 837.4 | 839.1 |
| 17.5° | 1032.3 | 1003.4 | 963.4  | 903.8 | 868.9 | 863.8 | 848.5 | 821.2 | 805.9 | 799.1 | 805.1 |
| 20°   | 1068.9 | 1040.8 | 982.9  | 908.1 | 876.6 | 862.9 | 812.7 | 779.5 | 748.1 | 731.0 | 731.9 |
| 22.5° | 1101.2 | 1066.3 | 974.4  | 909.8 | 883.4 | 827.2 | 766.8 | 701.3 | 662.1 | 635.7 | 636.6 |
| 25°   | 1140.4 | 1091.0 | 977.8  | 913.2 | 865.5 | 770.2 | 683.4 | 619.6 | 572.7 | 554.9 | 560.8 |
| 27.5° | 1162.5 | 1106.3 | 996.6  | 920.8 | 818.7 | 689.3 | 595.7 | 536.2 | 508.9 | 500.4 | 499.6 |
| 30°   | 1228.9 | 1140.4 | 1019.5 | 905.5 | 740.4 | 602.5 | 515.7 | 479.1 | 452.8 | 445.1 | 446.8 |
| 32.5° | 1327.6 | 1202.5 | 1049.3 | 865.5 | 660.4 | 525.1 | 463.8 | 436.6 | 411.9 | 397.4 | 395.7 |
| 35°   | 1410.2 | 1308.9 | 1080.8 | 803.4 | 567.6 | 465.5 | 427.2 | 393.2 | 355.7 | 339.6 | 335.3 |
| 37.5° | 1567.6 | 1428.9 | 1074.0 | 709.8 | 479.1 | 421.3 | 388.1 | 346.4 | 314.0 | 291.9 | 289.4 |
| 40°   | 1777.0 | 1569.3 | 1040.8 | 595.7 | 413.6 | 382.1 | 346.4 | 306.4 | 266.4 | 247.7 | 245.9 |
| 42.5° | 2031.4 | 1741.2 | 980.4  | 480.0 | 348.1 | 343.0 | 310.6 | 264.7 | 228.9 | 215.3 | 216.2 |
| 45°   | 2238.2 | 1888.4 | 919.1  | 385.5 | 299.6 | 304.7 | 276.6 | 233.2 | 208.5 | 197.4 | 197.4 |
| 47.5° | 2422.0 | 1988.0 | 852.7  | 318.3 | 254.5 | 266.4 | 241.7 | 216.2 | 194.9 | 186.4 | 184.7 |
| 50°   | 2599.1 | 2089.3 | 786.4  | 257.9 | 217.0 | 228.9 | 226.4 | 206.0 | 188.9 | 178.7 | 179.6 |
| 52.5° | 2709.7 | 2105.5 | 702.1  | 211.1 | 189.8 | 203.4 | 211.9 | 193.2 | 174.5 | 168.5 | 166.8 |
| 55°   | 2574.4 | 1897.0 | 544.7  | 173.6 | 160.8 | 178.7 | 194.9 | 173.6 | 159.1 | 148.9 | 148.1 |
| 56°   | 2392.3 | 1696.1 | 455.3  | 160.0 | 152.3 | 171.9 | 188.9 | 166.0 | 149.8 | 143.8 | 139.6 |
| 57.5° | 2025.5 | 1388.0 | 336.2  | 142.1 | 141.3 | 160.0 | 179.6 | 158.3 | 139.6 | 134.5 | 134.5 |
| 60°   | 1262.9 | 781.3  | 203.4  | 119.1 | 122.5 | 142.1 | 161.7 | 141.3 | 124.3 | 124.3 | 126.8 |
| 62.5° | 575.3  | 325.1  | 123.4  | 101.3 | 105.5 | 122.5 | 143.8 | 127.7 | 118.3 | 127.7 | 129.4 |
| 65°   | 195.7  | 140.4  | 89.4   | 80.8  | 83.4  | 101.3 | 123.4 | 129.4 | 128.5 | 134.5 | 137.9 |
| 67.5° | 109.8  | 90.2   | 74.9   | 67.2  | 65.5  | 74.9  | 101.3 | 129.4 | 124.3 | 121.7 | 123.4 |
| 70°   | 92.8   | 76.6   | 66.4   | 59.6  | 57.0  | 60.4  | 78.3  | 97.9  | 87.7  | 85.1  | 83.4  |
| 72.5° | 74.9   | 63.8   | 57.9   | 53.6  | 46.0  | 39.1  | 35.7  | 37.4  | 41.7  | 44.3  | 48.5  |
| 75°   | 52.8   | 48.5   | 48.5   | 43.4  | 33.2  | 24.7  | 19.6  | 16.2  | 11.1  | 7.7   | 8.5   |
| 77.5° | 29.8   | 29.8   | 30.6   | 26.4  | 21.3  | 16.2  | 11.9  | 8.5   | 4.3   | 1.7   | 0.9   |
| 80°   | 20.4   | 22.1   | 23.8   | 21.3  | 17.9  | 14.5  | 10.2  | 6.0   | 2.6   | 0.0   | 0.0   |
| 82.5° | 20.4   | 23.0   | 24.7   | 21.3  | 17.9  | 13.6  | 10.2  | 6.0   | 2.6   | 0.9   | 0.0   |
| 85°   | 4.3    | 5.1    | 6.0    | 6.8   | 10.2  | 10.2  | 7.7   | 5.1   | 2.6   | 0.9   | 0.0   |
| 87.5° | 0.9    | 0.9    | 0.9    | 0.9   | 0.9   | 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)