

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: P528503

Luminaire Tested: **GLAN-SA3C-750-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528503
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-SA3C-750-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1050mA 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: 12533 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

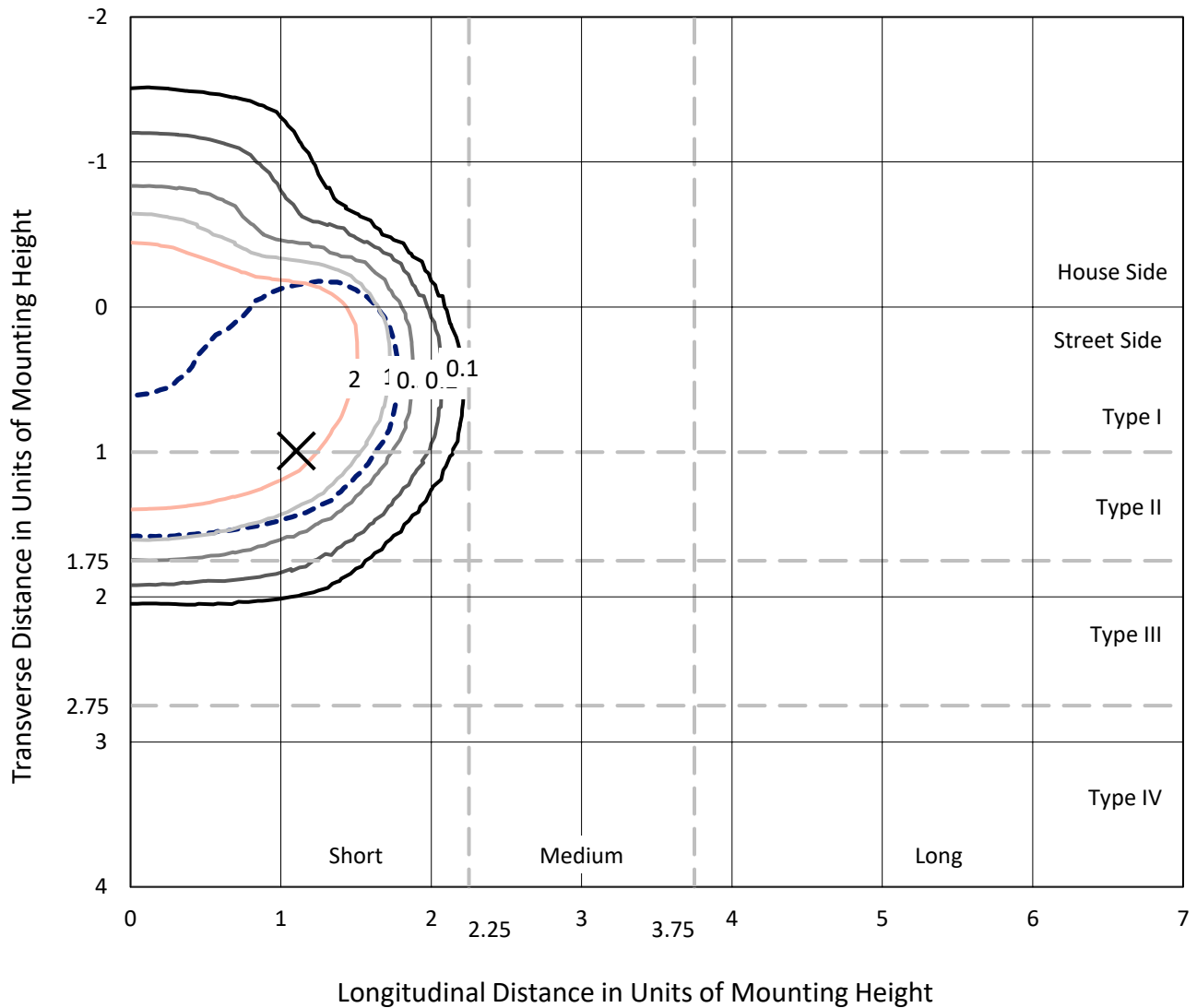
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

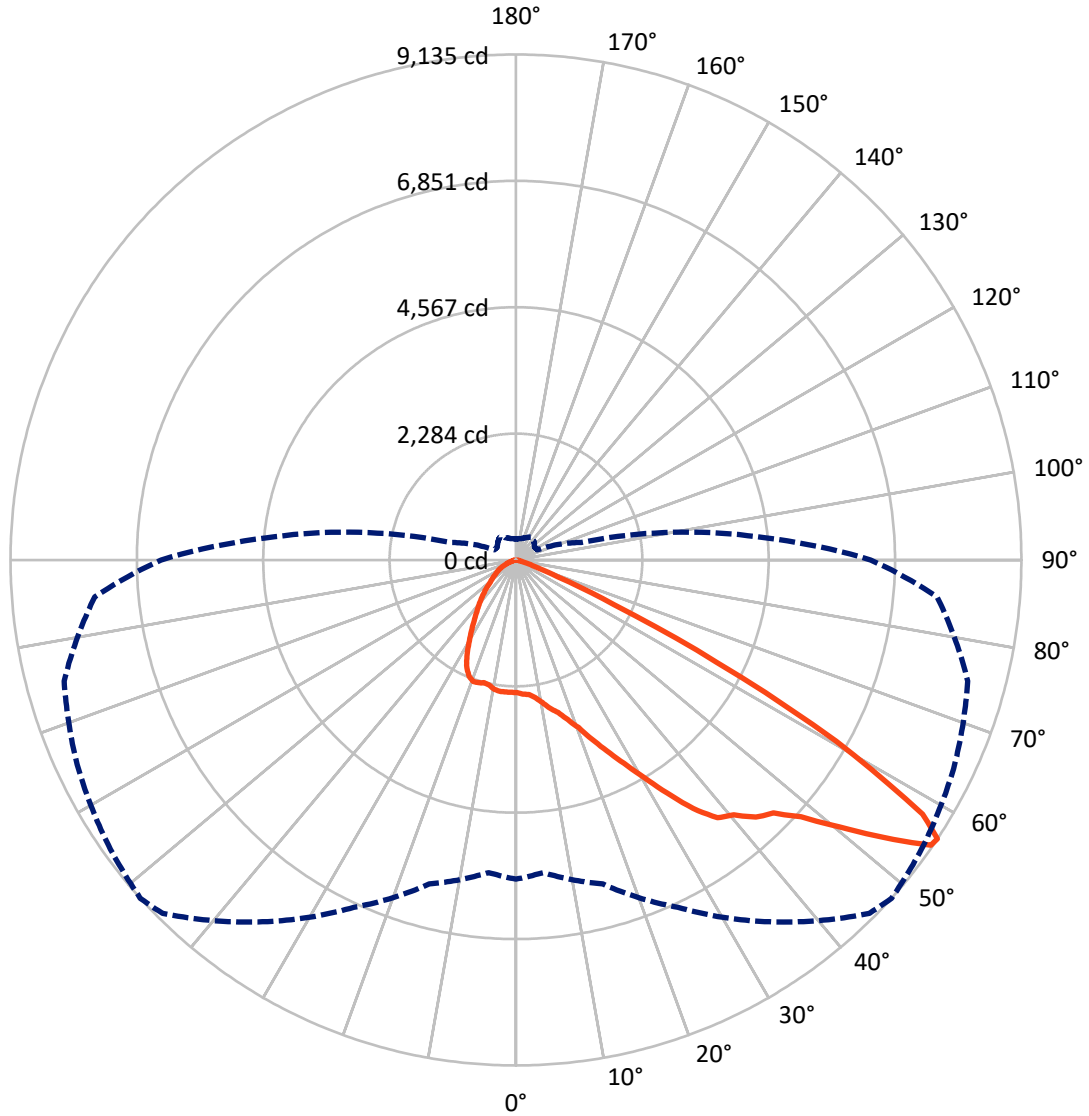
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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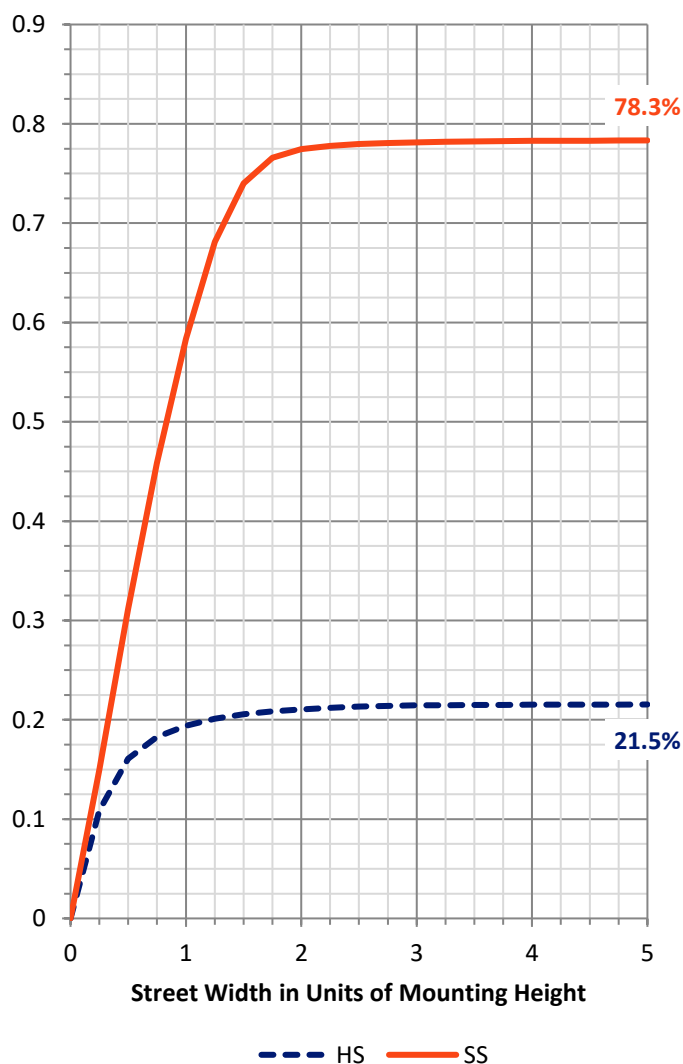
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2725.7 | 0.0 | 2725.7 |
| | % Fixture | 21.7 | 0.0 | 21.7 |
| Street Side | Lumens | 9807.3 | 0.0 | 9807.3 |
| | % Fixture | 78.3 | 0.0 | 78.3 |
| Total | Lumens | 12533.0 | 0.0 | 12533.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 233.2 | 1.9 |
| 10°-20° | 745.2 | 5.9 |
| 20°-30° | 1351.7 | 10.8 |
| 30°-40° | 2123.2 | 16.9 |
| 40°-50° | 3097.4 | 24.7 |
| 50°-60° | 3731.7 | 29.8 |
| 60°-70° | 1092.6 | 8.7 |
| 70°-80° | 138.6 | 1.1 |
| 80°-90° | 19.4 | 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° | 12533.0 | 100.0 |
| 0°-180° | 12533.0 | 100.0 |

Coefficient of Utilization

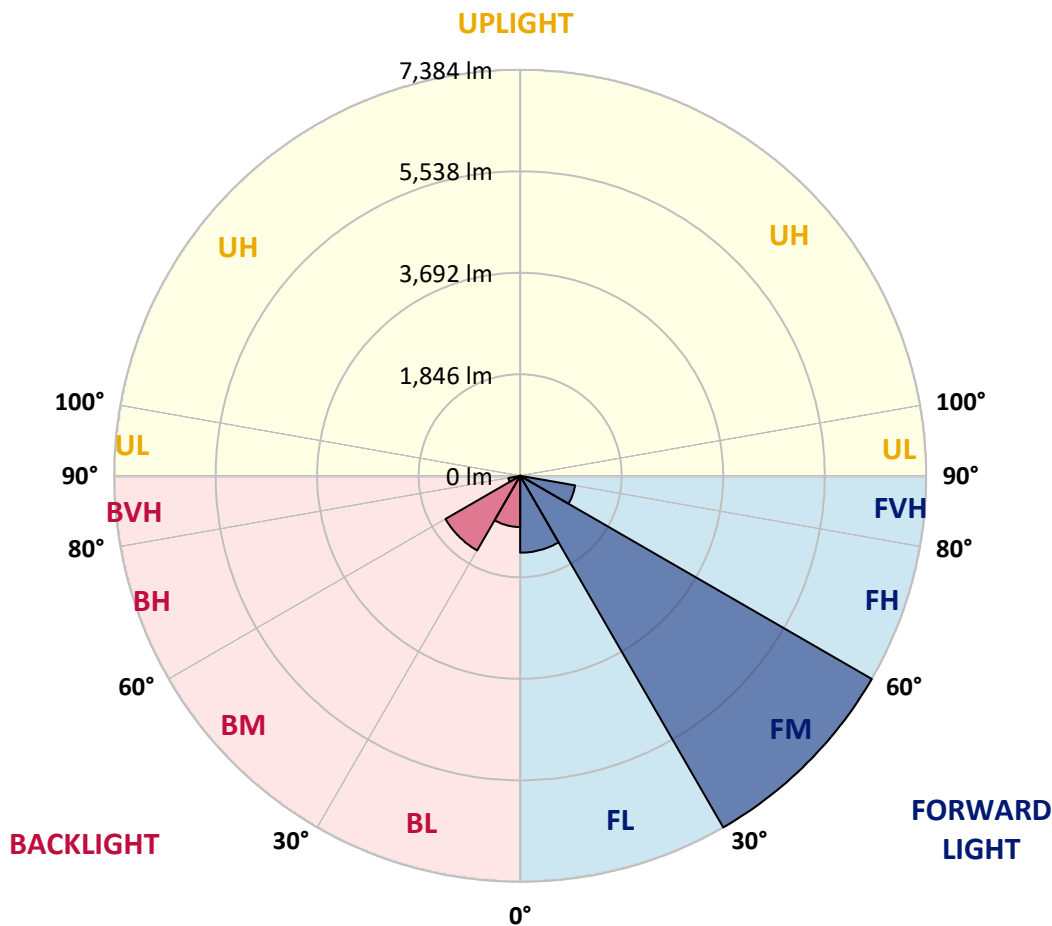


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1398.4 | 11.2 | | | |
| FM (30°-60°) | 7384.5 | 58.9 | | | |
| FH (60°-80°) | 1014.6 | 8.1 | | | G1/1800 |
| FVH (80°-90°) | 9.8 | 0.1 | | | G0/10 |
| BL (0°-30°) | 931.6 | 7.4 | B2/1000 | | |
| BM (30°-60°) | 1567.8 | 12.5 | B2/2500 | | |
| BH (60°-80°) | 216.6 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 9.7 | 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° | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 |
| 2.5° | 2437.2 | 2425.8 | 2425.8 | 2407.5 | 2428.0 | 2418.9 | 2425.8 | 2402.9 | 2425.8 | 2391.5 | 2418.9 |
| 5° | 2448.6 | 2450.9 | 2441.7 | 2453.1 | 2453.1 | 2466.8 | 2444.0 | 2464.6 | 2476.0 | 2450.9 | 2439.4 |
| 7.5° | 2507.9 | 2512.5 | 2510.2 | 2501.1 | 2519.3 | 2517.0 | 2514.8 | 2498.8 | 2503.3 | 2494.2 | 2480.5 |
| 10° | 2624.3 | 2622.0 | 2633.4 | 2610.6 | 2596.9 | 2612.9 | 2617.4 | 2592.3 | 2574.1 | 2567.2 | 2523.9 |
| 12.5° | 2793.2 | 2765.8 | 2749.8 | 2727.0 | 2733.8 | 2711.0 | 2752.1 | 2708.7 | 2699.6 | 2658.5 | 2615.2 |
| 15° | 2930.1 | 2925.5 | 2927.8 | 2891.3 | 2850.2 | 2859.3 | 2859.3 | 2836.5 | 2822.8 | 2772.6 | 2711.0 |
| 17.5° | 3210.8 | 3114.9 | 3135.5 | 3089.8 | 3055.6 | 3053.3 | 3032.8 | 3037.3 | 3000.8 | 2895.8 | 2802.3 |
| 20° | 3429.8 | 3388.8 | 3356.8 | 3279.2 | 3226.7 | 3242.7 | 3233.6 | 3210.8 | 3199.4 | 3062.4 | 2930.1 |
| 22.5° | 3626.1 | 3639.8 | 3587.3 | 3566.8 | 3493.7 | 3500.6 | 3518.8 | 3498.3 | 3411.6 | 3270.1 | 3073.8 |
| 25° | 3902.2 | 3886.2 | 3815.5 | 3790.4 | 3721.9 | 3747.0 | 3817.8 | 3801.8 | 3747.0 | 3491.4 | 3185.7 |
| 27.5° | 4228.5 | 4173.8 | 4187.5 | 4073.4 | 4007.2 | 4077.9 | 4162.4 | 4242.2 | 4087.0 | 3751.6 | 3318.0 |
| 30° | 4459.0 | 4402.0 | 4397.4 | 4392.8 | 4376.9 | 4459.0 | 4557.1 | 4630.2 | 4504.6 | 4011.7 | 3537.1 |
| 32.5° | 4573.1 | 4586.8 | 4625.6 | 4611.9 | 4751.1 | 4920.0 | 5022.7 | 5127.6 | 4970.2 | 4436.2 | 3826.9 |
| 35° | 4876.6 | 4789.9 | 4876.6 | 4885.7 | 5029.5 | 5387.8 | 5517.9 | 5768.9 | 5730.1 | 5036.4 | 4180.6 |
| 37.5° | 5054.6 | 5047.8 | 5059.2 | 5145.9 | 5285.1 | 5727.8 | 5912.6 | 6106.6 | 6033.6 | 5396.9 | 4621.0 |
| 40° | 5349.0 | 5367.2 | 5365.0 | 5431.1 | 5584.0 | 5983.4 | 6058.7 | 6216.1 | 6223.0 | 5896.7 | 5269.1 |
| 42.5° | 5821.4 | 5748.3 | 5700.4 | 5768.9 | 5983.4 | 6204.7 | 6355.3 | 6323.4 | 6549.3 | 6503.7 | 6102.0 |
| 45° | 6245.8 | 6289.2 | 6218.4 | 6332.5 | 6410.1 | 6528.8 | 6524.2 | 6592.7 | 6880.2 | 7097.0 | 6729.6 |
| 47.5° | 6642.9 | 6670.3 | 6704.5 | 6782.1 | 6950.9 | 6969.2 | 6930.4 | 6900.7 | 7297.8 | 7521.4 | 7215.7 |
| 50° | 6880.2 | 6905.3 | 7065.0 | 7204.2 | 7519.2 | 7560.2 | 7583.1 | 7507.7 | 7777.0 | 7802.1 | 7674.3 |
| 52.5° | 6816.3 | 6843.7 | 7067.3 | 7526.0 | 8028.0 | 8404.6 | 8336.1 | 8208.3 | 8192.3 | 8290.5 | 8098.8 |
| 55° | 6250.4 | 6225.3 | 6533.3 | 7247.6 | 8187.8 | 9091.5 | 9100.6 | 8965.9 | 8708.1 | 8641.9 | 8034.9 |
| 56° | 5768.9 | 5670.7 | 6063.2 | 6925.8 | 7982.4 | 9032.1 | 9134.8 | 8991.0 | 8749.2 | 8452.5 | 7640.1 |
| 57.5° | 4726.0 | 4819.6 | 5209.8 | 5924.0 | 7272.7 | 8605.4 | 8664.7 | 8630.5 | 8447.9 | 7950.5 | 6722.7 |
| 60° | 2606.0 | 2770.3 | 3114.9 | 3988.9 | 5177.8 | 6604.1 | 6652.0 | 6930.4 | 6964.6 | 6088.4 | 4625.6 |
| 62.5° | 1106.8 | 1088.5 | 1446.8 | 2090.3 | 2948.3 | 3986.6 | 4075.6 | 4360.9 | 4413.4 | 3509.7 | 2320.8 |
| 65° | 449.6 | 474.7 | 654.9 | 1052.0 | 1558.6 | 1816.5 | 1942.0 | 2035.5 | 2209.0 | 1449.1 | 855.7 |
| 67.5° | 296.7 | 294.4 | 385.7 | 600.2 | 839.8 | 810.1 | 810.1 | 855.7 | 791.9 | 591.0 | 369.7 |
| 70° | 212.2 | 219.1 | 276.1 | 415.3 | 522.6 | 387.9 | 372.0 | 356.0 | 403.9 | 390.2 | 298.9 |
| 72.5° | 139.2 | 148.3 | 184.8 | 248.7 | 271.6 | 212.2 | 212.2 | 255.6 | 333.2 | 314.9 | 244.2 |
| 75° | 91.3 | 93.6 | 114.1 | 143.8 | 134.6 | 109.5 | 120.9 | 171.1 | 241.9 | 232.8 | 173.4 |
| 77.5° | 61.6 | 63.9 | 77.6 | 93.6 | 75.3 | 61.6 | 66.2 | 86.7 | 118.7 | 118.7 | 91.3 |
| 80° | 22.8 | 25.1 | 31.9 | 29.7 | 34.2 | 43.4 | 47.9 | 59.3 | 70.7 | 70.7 | 61.6 |
| 82.5° | 0.0 | 2.3 | 6.8 | 16.0 | 25.1 | 34.2 | 38.8 | 45.6 | 52.5 | 59.3 | 57.0 |
| 85° | 0.0 | 2.3 | 6.8 | 11.4 | 18.3 | 20.5 | 22.8 | 16.0 | 13.7 | 13.7 | 11.4 |
| 87.5° | 0.0 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 4.6 | 2.3 | 2.3 |
| 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° | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 | 2393.8 |
| 2.5° | 2393.8 | 2391.5 | 2391.5 | 2384.7 | 2398.4 | 2391.5 | 2396.1 | 2393.8 | 2364.1 | 2387.0 | 2371.0 |
| 5° | 2418.9 | 2434.9 | 2409.8 | 2405.2 | 2387.0 | 2393.8 | 2393.8 | 2371.0 | 2391.5 | 2389.2 | 2384.7 |
| 7.5° | 2482.8 | 2455.4 | 2428.0 | 2400.7 | 2396.1 | 2389.2 | 2364.1 | 2355.0 | 2371.0 | 2352.7 | 2380.1 |
| 10° | 2510.2 | 2514.8 | 2473.7 | 2437.2 | 2402.9 | 2355.0 | 2320.8 | 2300.2 | 2275.1 | 2302.5 | 2318.5 |
| 12.5° | 2635.7 | 2590.1 | 2519.3 | 2462.3 | 2345.9 | 2298.0 | 2263.7 | 2254.6 | 2298.0 | 2307.1 | 2291.1 |
| 15° | 2679.1 | 2672.2 | 2580.9 | 2453.1 | 2332.2 | 2275.1 | 2282.0 | 2263.7 | 2268.3 | 2245.5 | 2250.0 |
| 17.5° | 2768.1 | 2690.5 | 2583.2 | 2423.5 | 2329.9 | 2316.2 | 2275.1 | 2202.1 | 2161.0 | 2142.8 | 2158.8 |
| 20° | 2866.2 | 2790.9 | 2635.7 | 2434.9 | 2350.5 | 2313.9 | 2179.3 | 2090.3 | 2005.9 | 1960.2 | 1962.5 |
| 22.5° | 2952.9 | 2859.3 | 2612.9 | 2439.4 | 2368.7 | 2218.1 | 2056.1 | 1880.4 | 1775.4 | 1704.6 | 1706.9 |
| 25° | 3057.9 | 2925.5 | 2622.0 | 2448.6 | 2320.8 | 2065.2 | 1832.4 | 1661.3 | 1535.8 | 1487.9 | 1503.8 |
| 27.5° | 3117.2 | 2966.6 | 2672.2 | 2469.1 | 2195.3 | 1848.4 | 1597.4 | 1437.7 | 1364.6 | 1341.8 | 1339.5 |
| 30° | 3295.2 | 3057.9 | 2733.8 | 2428.0 | 1985.3 | 1615.6 | 1382.9 | 1284.8 | 1214.0 | 1193.5 | 1198.0 |
| 32.5° | 3559.9 | 3224.5 | 2813.7 | 2320.8 | 1770.8 | 1408.0 | 1243.7 | 1170.7 | 1104.5 | 1065.7 | 1061.1 |
| 35° | 3781.3 | 3509.7 | 2898.1 | 2154.2 | 1522.1 | 1248.2 | 1145.6 | 1054.3 | 953.9 | 910.5 | 899.1 |
| 37.5° | 4203.4 | 3831.5 | 2879.9 | 1903.2 | 1284.8 | 1129.6 | 1040.6 | 928.8 | 842.1 | 782.7 | 775.9 |
| 40° | 4764.8 | 4208.0 | 2790.9 | 1597.4 | 1109.0 | 1024.6 | 928.8 | 821.5 | 714.3 | 664.1 | 659.5 |
| 42.5° | 5447.1 | 4669.0 | 2628.9 | 1287.0 | 933.3 | 919.6 | 832.9 | 709.7 | 613.9 | 577.3 | 579.6 |
| 45° | 6001.6 | 5063.7 | 2464.6 | 1033.7 | 803.3 | 817.0 | 741.6 | 625.3 | 559.1 | 529.4 | 529.4 |
| 47.5° | 6494.5 | 5330.7 | 2286.6 | 853.5 | 682.3 | 714.3 | 648.1 | 579.6 | 522.6 | 499.8 | 495.2 |
| 50° | 6969.2 | 5602.3 | 2108.6 | 691.4 | 581.9 | 613.9 | 607.0 | 552.2 | 506.6 | 479.2 | 481.5 |
| 52.5° | 7265.9 | 5645.6 | 1882.6 | 565.9 | 508.9 | 545.4 | 568.2 | 518.0 | 467.8 | 451.8 | 447.3 |
| 55° | 6903.0 | 5086.6 | 1460.5 | 465.5 | 431.3 | 479.2 | 522.6 | 465.5 | 426.7 | 399.3 | 397.1 |
| 56° | 6414.7 | 4548.0 | 1220.9 | 429.0 | 408.5 | 461.0 | 506.6 | 445.0 | 401.6 | 385.7 | 374.2 |
| 57.5° | 5431.1 | 3721.9 | 901.4 | 381.1 | 378.8 | 429.0 | 481.5 | 424.5 | 374.2 | 360.6 | 360.6 |
| 60° | 3386.5 | 2094.9 | 545.4 | 319.5 | 328.6 | 381.1 | 433.6 | 378.8 | 333.2 | 333.2 | 340.0 |
| 62.5° | 1542.6 | 871.7 | 330.9 | 271.6 | 283.0 | 328.6 | 385.7 | 342.3 | 317.2 | 342.3 | 346.9 |
| 65° | 524.9 | 376.5 | 239.6 | 216.8 | 223.6 | 271.6 | 330.9 | 346.9 | 344.6 | 360.6 | 369.7 |
| 67.5° | 294.4 | 241.9 | 200.8 | 180.3 | 175.7 | 200.8 | 271.6 | 346.9 | 333.2 | 326.3 | 330.9 |
| 70° | 248.7 | 205.4 | 178.0 | 159.7 | 152.9 | 162.0 | 209.9 | 262.4 | 235.0 | 228.2 | 223.6 |
| 72.5° | 200.8 | 171.1 | 155.2 | 143.8 | 123.2 | 105.0 | 95.8 | 100.4 | 111.8 | 118.7 | 130.1 |
| 75° | 141.5 | 130.1 | 130.1 | 116.4 | 89.0 | 66.2 | 52.5 | 43.4 | 29.7 | 20.5 | 22.8 |
| 77.5° | 79.9 | 79.9 | 82.2 | 70.7 | 57.0 | 43.4 | 31.9 | 22.8 | 11.4 | 4.6 | 2.3 |
| 80° | 54.8 | 59.3 | 63.9 | 57.0 | 47.9 | 38.8 | 27.4 | 16.0 | 6.8 | 0.0 | 0.0 |
| 82.5° | 54.8 | 61.6 | 66.2 | 57.0 | 47.9 | 36.5 | 27.4 | 16.0 | 6.8 | 2.3 | 0.0 |
| 85° | 11.4 | 13.7 | 16.0 | 18.3 | 27.4 | 27.4 | 20.5 | 13.7 | 6.8 | 2.3 | 0.0 |
| 87.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 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)