

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: P451675

Luminaire Tested: **GLAN-SA2C-750-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11571 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

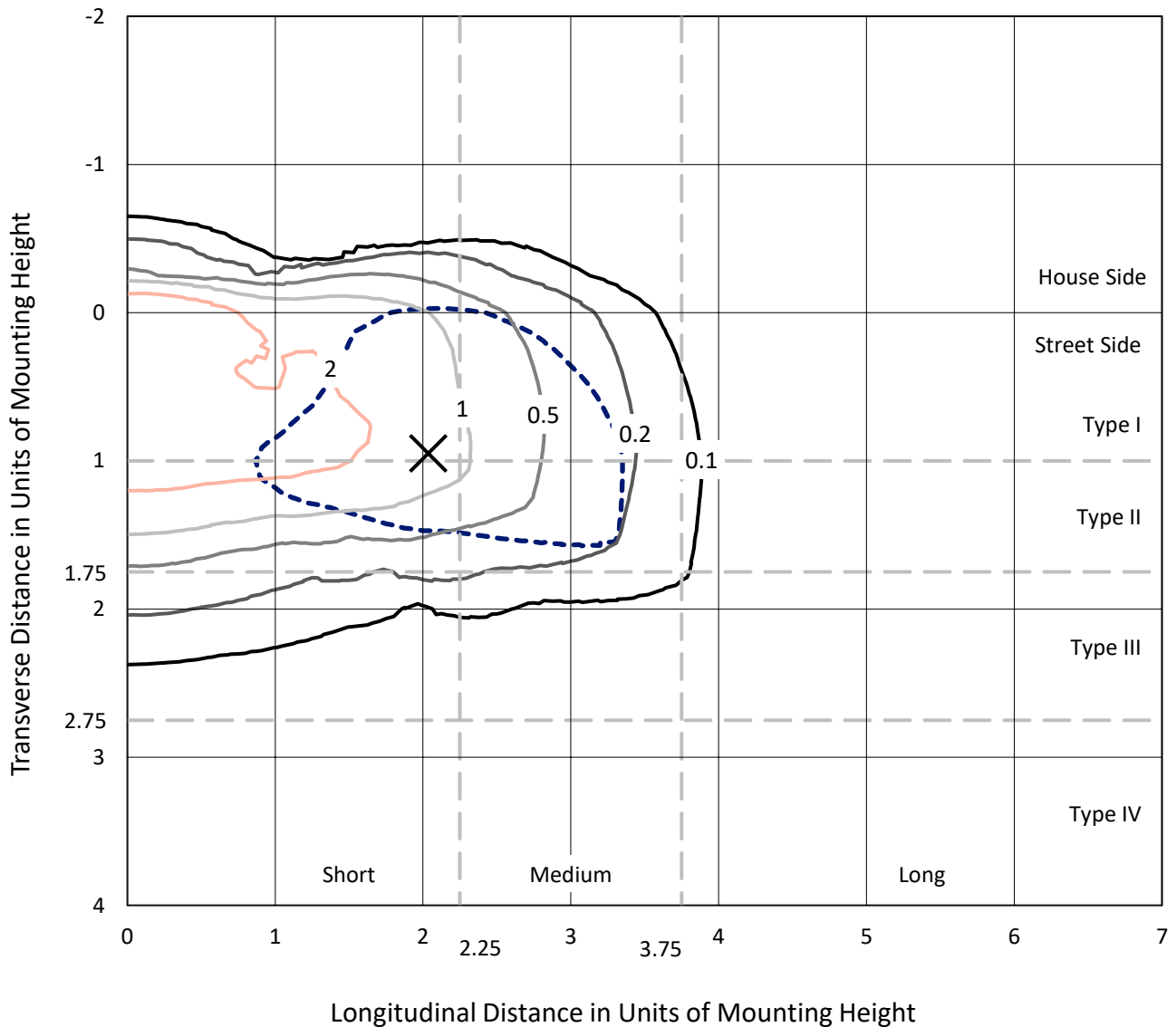
Input Watts (W): 108
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

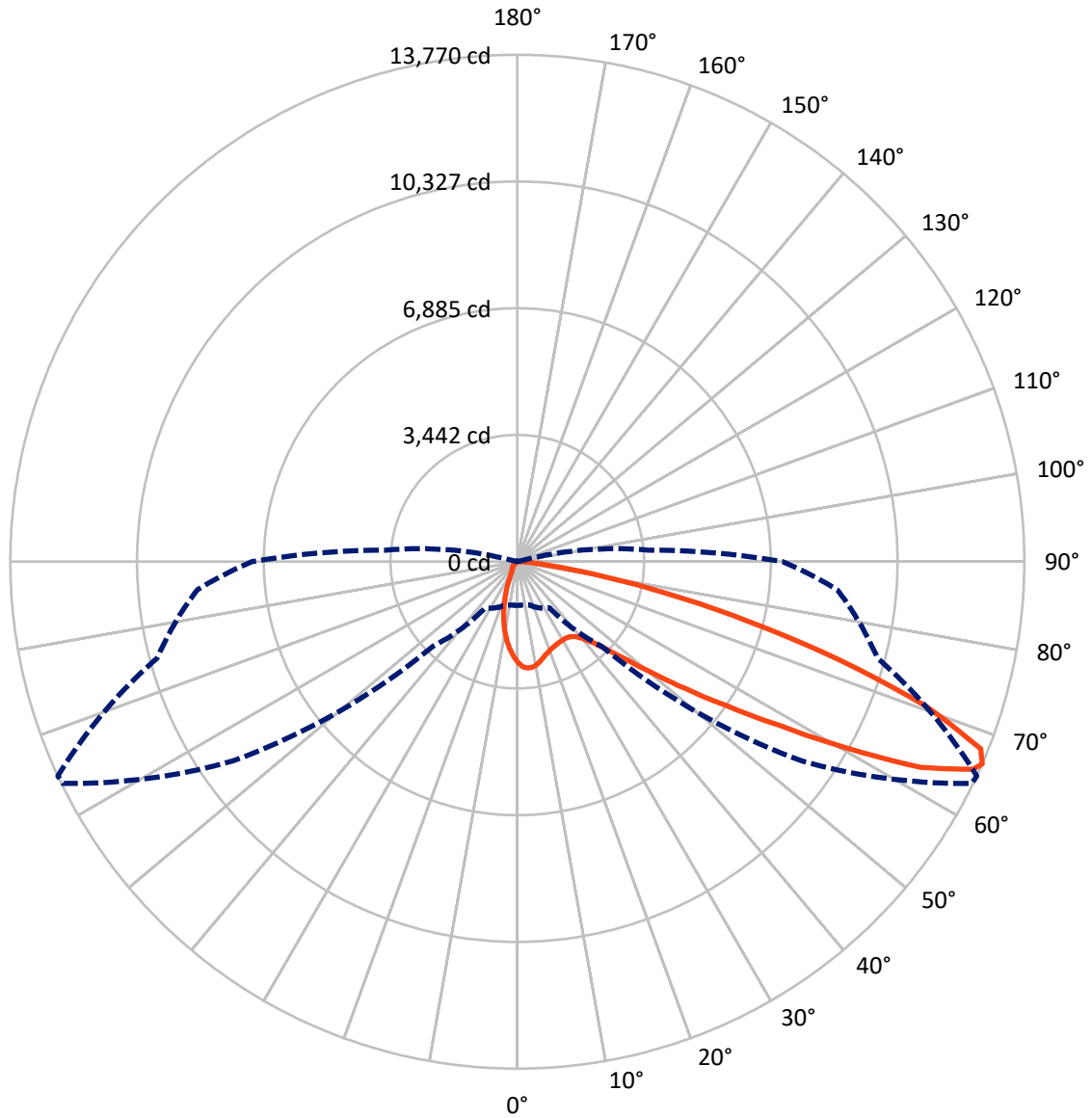
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1196.6 | 0.0 | 1196.6 |
| | % Fixture | 10.3 | 0.0 | 10.3 |
| Street Side | Lumens | 10374.4 | 0.0 | 10374.4 |
| | % Fixture | 89.7 | 0.0 | 89.7 |
| Total | Lumens | 11571.0 | 0.0 | 11571.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 224.4 | 1.9 |
| 10°-20° | 489.0 | 4.2 |
| 20°-30° | 700.4 | 6.1 |
| 30°-40° | 1023.0 | 8.8 |
| 40°-50° | 1715.5 | 14.8 |
| 50°-60° | 2862.8 | 24.7 |
| 60°-70° | 3038.8 | 26.3 |
| 70°-80° | 1376.3 | 11.9 |
| 80°-90° | 140.8 | 1.2 |
| 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° | 11571.0 | 100.0 |
| 0°-180° | 11571.0 | 100.0 |

Coefficient of Utilization



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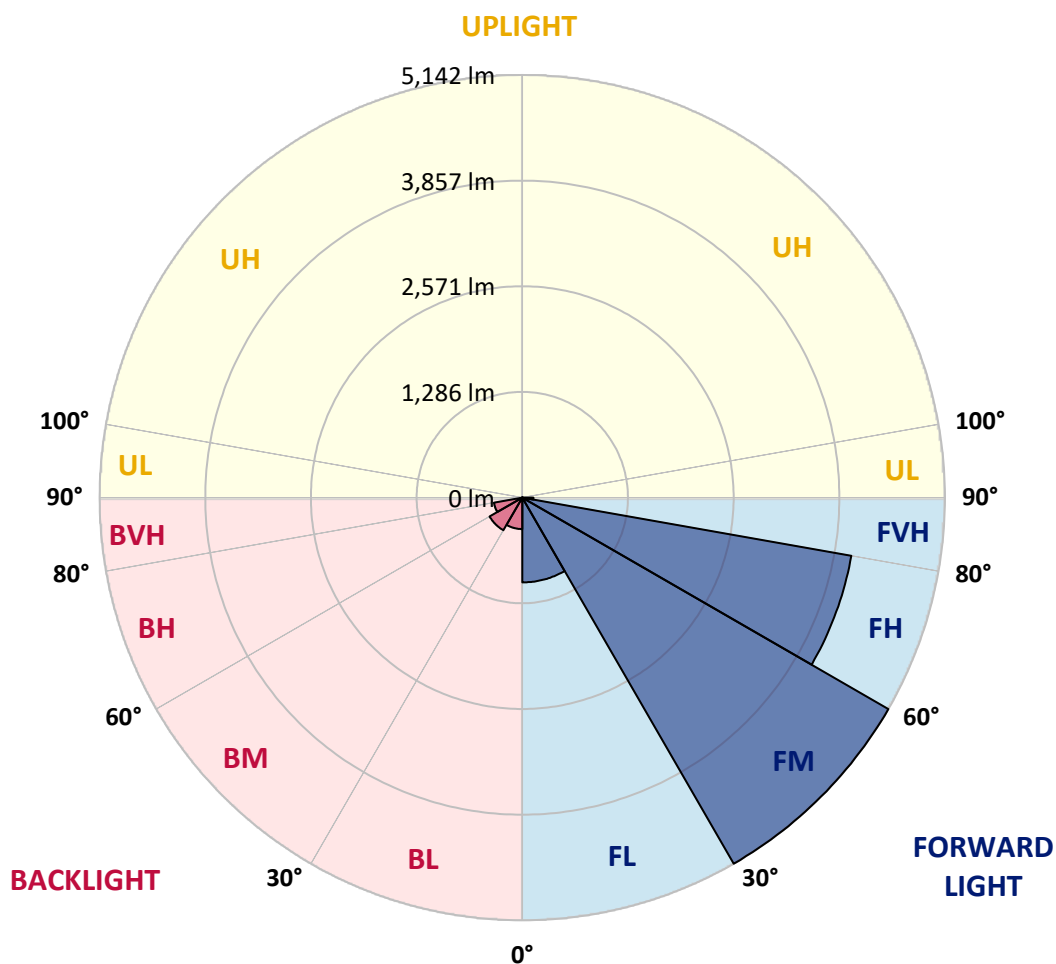
CATALOG NUMBER: GLAN-SA2C-750-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1031.0 | 8.9 | | | |
| FM (30°-60°) | 5142.4 | 44.4 | | | |
| FH (60°-80°) | 4064.6 | 35.1 | | | G2/5000 |
| FVH (80°-90°) | 136.3 | 1.2 | | | G2/225 |
| BL (0°-30°) | 382.8 | 3.3 | B1/500 | | |
| BM (30°-60°) | 458.9 | 4.0 | B1/1000 | | |
| BH (60°-80°) | 350.4 | 3.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.5 | 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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|
| 0° | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 |
| 2.5° | 2891.6 | 2894.7 | 2898.7 | 2904.1 | 2908.0 | 2896.3 | 2879.9 | 2861.1 | 2857.2 | 2817.4 | 2768.9 |
| 5° | 2736.9 | 2741.6 | 2776.0 | 2794.7 | 2836.9 | 2875.2 | 2899.4 | 2902.6 | 2901.0 | 2863.5 | 2786.1 |
| 7.5° | 2516.5 | 2529.8 | 2563.4 | 2596.2 | 2675.1 | 2747.8 | 2833.8 | 2894.0 | 2897.9 | 2887.7 | 2791.6 |
| 10° | 2337.5 | 2346.1 | 2363.3 | 2428.2 | 2493.8 | 2604.8 | 2725.2 | 2838.5 | 2847.9 | 2888.5 | 2786.9 |
| 12.5° | 2197.6 | 2210.1 | 2231.2 | 2281.3 | 2360.2 | 2464.9 | 2601.7 | 2754.1 | 2773.6 | 2873.6 | 2773.6 |
| 15° | 2099.9 | 2106.2 | 2127.3 | 2176.5 | 2253.1 | 2350.0 | 2488.4 | 2665.8 | 2683.0 | 2854.1 | 2771.3 |
| 17.5° | 2053.8 | 2060.9 | 2075.7 | 2114.8 | 2178.1 | 2268.0 | 2403.2 | 2594.6 | 2616.5 | 2841.6 | 2779.9 |
| 20° | 2066.3 | 2072.6 | 2073.4 | 2093.7 | 2136.7 | 2212.5 | 2340.6 | 2528.2 | 2556.3 | 2833.8 | 2793.9 |
| 22.5° | 2137.5 | 2138.2 | 2128.9 | 2119.5 | 2134.3 | 2189.0 | 2302.4 | 2486.0 | 2514.9 | 2832.2 | 2810.3 |
| 25° | 2243.7 | 2246.1 | 2230.5 | 2197.6 | 2167.9 | 2196.1 | 2293.8 | 2458.7 | 2484.4 | 2828.3 | 2820.5 |
| 27.5° | 2390.7 | 2389.9 | 2385.2 | 2330.5 | 2246.1 | 2227.3 | 2300.8 | 2443.8 | 2465.7 | 2817.4 | 2824.4 |
| 30° | 2596.2 | 2590.0 | 2579.8 | 2518.1 | 2389.1 | 2303.1 | 2330.5 | 2434.4 | 2454.7 | 2801.7 | 2814.2 |
| 32.5° | 2798.6 | 2822.1 | 2820.5 | 2761.9 | 2600.9 | 2438.3 | 2392.2 | 2446.9 | 2461.8 | 2791.6 | 2799.4 |
| 35° | 3034.6 | 3033.9 | 3094.0 | 3072.1 | 2883.8 | 2611.1 | 2497.7 | 2488.4 | 2500.1 | 2798.6 | 2792.4 |
| 37.5° | 3253.5 | 3273.8 | 3367.6 | 3390.2 | 3218.3 | 2854.9 | 2647.0 | 2577.4 | 2581.4 | 2846.3 | 2809.6 |
| 40° | 3526.2 | 3565.3 | 3705.2 | 3781.0 | 3629.4 | 3216.7 | 2867.4 | 2740.8 | 2741.6 | 2963.5 | 2874.4 |
| 42.5° | 3877.9 | 3939.6 | 4070.1 | 4196.8 | 4115.5 | 3645.0 | 3198.0 | 2999.5 | 2997.9 | 3169.8 | 3022.9 |
| 45° | 4305.4 | 4348.4 | 4496.9 | 4697.7 | 4646.1 | 4242.9 | 3679.4 | 3400.4 | 3380.1 | 3508.2 | 3286.3 |
| 47.5° | 4674.3 | 4732.9 | 4883.7 | 5112.7 | 5347.1 | 4972.8 | 4254.6 | 3951.4 | 3938.1 | 4046.7 | 3738.0 |
| 50° | 4835.3 | 4886.8 | 5045.5 | 5366.7 | 5934.9 | 5930.9 | 5111.1 | 4755.5 | 4732.9 | 4791.5 | 4436.7 |
| 52.5° | 4658.6 | 4707.1 | 4867.3 | 5267.4 | 6211.5 | 7098.5 | 6352.2 | 5764.5 | 5737.1 | 5662.1 | 5271.3 |
| 55° | 4053.7 | 4093.6 | 4330.4 | 4789.9 | 6105.2 | 7876.9 | 8062.1 | 7011.0 | 6904.7 | 6613.2 | 6216.2 |
| 57.5° | 3227.7 | 3207.4 | 3354.3 | 3888.1 | 5481.6 | 8138.0 | 9817.4 | 8563.9 | 8374.0 | 7435.4 | 7015.7 |
| 60° | 2236.7 | 2299.2 | 2358.6 | 2710.3 | 4121.7 | 7685.5 | 10909.2 | 10516.1 | 10266.0 | 8244.2 | 7781.6 |
| 62.5° | 1644.3 | 1685.7 | 1724.8 | 1887.4 | 2591.5 | 6136.5 | 11102.2 | 12521.5 | 12299.5 | 9103.1 | 8512.3 |
| 65° | 1300.4 | 1303.6 | 1319.2 | 1479.4 | 1707.6 | 3990.4 | 10174.6 | 13652.3 | 13595.3 | 9930.0 | 8808.5 |
| 66° | 1184.8 | 1185.6 | 1209.8 | 1381.7 | 1532.6 | 3249.6 | 9431.4 | 13738.3 | 13769.6 | 10128.5 | 8721.7 |
| 67.5° | 1035.5 | 1032.4 | 1067.6 | 1241.8 | 1395.8 | 2343.0 | 8101.2 | 13389.8 | 13575.0 | 10280.9 | 8409.9 |
| 70° | 802.6 | 798.7 | 841.7 | 1041.8 | 1285.6 | 1563.0 | 5384.7 | 11496.9 | 11795.5 | 9969.0 | 7440.8 |
| 72.5° | 534.6 | 537.7 | 611.1 | 822.2 | 1227.0 | 1376.3 | 3239.4 | 8746.0 | 9168.0 | 8232.5 | 5853.6 |
| 75° | 311.8 | 317.3 | 400.9 | 611.1 | 1065.2 | 1312.2 | 1833.4 | 6236.5 | 6506.1 | 5684.8 | 3646.6 |
| 77.5° | 163.3 | 165.7 | 224.3 | 403.3 | 816.7 | 1218.4 | 1221.5 | 3984.2 | 4110.8 | 2762.7 | 1443.5 |
| 80° | 86.7 | 84.4 | 120.4 | 243.1 | 561.9 | 1069.9 | 991.0 | 2109.3 | 2192.9 | 820.6 | 365.0 |
| 82.5° | 32.8 | 35.9 | 64.1 | 159.4 | 332.1 | 768.2 | 853.4 | 932.4 | 903.4 | 180.5 | 153.2 |
| 85° | 6.3 | 7.8 | 27.4 | 94.6 | 167.2 | 321.2 | 629.1 | 457.2 | 423.6 | 68.0 | 88.3 |
| 87.5° | 0.8 | 1.6 | 7.8 | 22.7 | 24.2 | 108.6 | 186.0 | 126.6 | 109.4 | 25.0 | 36.7 |
| 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° | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 | 2743.9 |
| 2.5° | 2745.5 | 2724.4 | 2654.0 | 2584.5 | 2513.4 | 2449.3 | 2405.5 | 2334.4 | 2316.4 | 2290.6 | 2275.8 |
| 5° | 2740.0 | 2690.8 | 2555.6 | 2407.9 | 2270.3 | 2121.8 | 2008.5 | 1899.1 | 1840.5 | 1810.8 | 1799.8 |
| 7.5° | 2724.4 | 2646.2 | 2435.2 | 2203.9 | 1983.5 | 1761.5 | 1568.5 | 1421.6 | 1327.0 | 1262.2 | 1218.4 |
| 10° | 2693.1 | 2585.3 | 2295.3 | 1977.2 | 1644.3 | 1351.2 | 1106.6 | 920.6 | 776.8 | 731.5 | 733.1 |
| 12.5° | 2661.1 | 2517.3 | 2139.0 | 1725.6 | 1313.0 | 943.3 | 683.8 | 536.9 | 468.1 | 445.5 | 440.8 |
| 15° | 2631.4 | 2452.4 | 1985.8 | 1481.8 | 977.7 | 611.1 | 440.8 | 389.2 | 370.4 | 366.5 | 365.8 |
| 17.5° | 2615.7 | 2392.2 | 1822.5 | 1202.8 | 682.3 | 415.0 | 353.2 | 339.2 | 333.7 | 329.8 | 328.2 |
| 20° | 2602.5 | 2339.9 | 1666.2 | 941.7 | 466.6 | 340.0 | 316.5 | 303.2 | 293.9 | 289.9 | 287.6 |
| 22.5° | 2593.1 | 2285.9 | 1504.4 | 729.2 | 357.2 | 301.7 | 280.6 | 263.4 | 250.1 | 245.4 | 242.3 |
| 25° | 2579.0 | 2226.5 | 1341.1 | 533.0 | 300.9 | 268.1 | 243.8 | 223.5 | 206.3 | 197.7 | 196.2 |
| 27.5° | 2558.7 | 2159.3 | 1162.1 | 394.7 | 268.8 | 238.4 | 208.7 | 183.7 | 166.5 | 157.1 | 157.9 |
| 30° | 2525.9 | 2089.0 | 983.2 | 313.4 | 243.1 | 207.9 | 175.8 | 151.6 | 135.2 | 128.2 | 127.4 |
| 32.5° | 2486.8 | 2003.8 | 819.0 | 268.8 | 219.6 | 180.5 | 146.9 | 125.8 | 113.3 | 107.8 | 107.1 |
| 35° | 2450.1 | 1917.8 | 651.8 | 241.5 | 195.4 | 155.5 | 123.5 | 105.5 | 96.1 | 91.4 | 92.2 |
| 37.5° | 2429.7 | 1841.3 | 508.0 | 219.6 | 175.8 | 133.6 | 106.3 | 90.7 | 82.1 | 78.2 | 77.4 |
| 40° | 2443.0 | 1778.7 | 404.0 | 200.1 | 154.0 | 114.9 | 91.4 | 78.2 | 69.6 | 64.1 | 64.1 |
| 42.5° | 2505.5 | 1751.4 | 325.9 | 181.3 | 133.6 | 99.3 | 79.7 | 67.2 | 57.8 | 52.4 | 53.1 |
| 45° | 2696.2 | 1780.3 | 272.7 | 164.1 | 114.9 | 86.0 | 68.8 | 55.5 | 46.9 | 43.0 | 42.2 |
| 47.5° | 3012.8 | 1888.9 | 236.0 | 146.1 | 98.5 | 73.5 | 57.8 | 46.1 | 37.5 | 34.4 | 33.6 |
| 50° | 3566.1 | 2113.2 | 208.7 | 128.2 | 83.6 | 62.5 | 47.7 | 36.7 | 29.7 | 26.6 | 26.6 |
| 52.5° | 4327.3 | 2602.5 | 189.1 | 107.8 | 70.3 | 53.1 | 39.1 | 29.7 | 23.4 | 21.1 | 20.3 |
| 55° | 5122.9 | 3118.3 | 179.0 | 90.7 | 58.6 | 43.8 | 31.3 | 23.4 | 18.0 | 15.6 | 14.8 |
| 57.5° | 5888.0 | 3523.1 | 167.2 | 73.5 | 46.9 | 33.6 | 24.2 | 18.0 | 12.5 | 10.9 | 10.2 |
| 60° | 6621.8 | 3850.5 | 142.2 | 58.6 | 36.7 | 24.2 | 18.0 | 12.5 | 8.6 | 7.0 | 7.0 |
| 62.5° | 7278.3 | 4041.2 | 111.8 | 46.9 | 28.1 | 17.2 | 11.7 | 9.4 | 6.3 | 4.7 | 4.7 |
| 65° | 7354.9 | 3793.5 | 84.4 | 35.9 | 20.3 | 10.9 | 7.0 | 7.0 | 4.7 | 3.1 | 3.1 |
| 66° | 7200.9 | 3583.3 | 74.2 | 32.8 | 18.0 | 9.4 | 6.3 | 5.5 | 3.9 | 2.3 | 2.3 |
| 67.5° | 6857.0 | 3224.5 | 64.1 | 28.1 | 14.8 | 7.0 | 4.7 | 4.7 | 3.1 | 1.6 | 1.6 |
| 70° | 5924.7 | 2633.7 | 50.8 | 21.1 | 10.9 | 5.5 | 3.1 | 3.1 | 2.3 | 1.6 | 1.6 |
| 72.5° | 4515.6 | 1966.3 | 41.4 | 15.6 | 7.8 | 3.9 | 2.3 | 2.3 | 2.3 | 1.6 | 1.6 |
| 75° | 2723.6 | 1059.0 | 32.0 | 11.7 | 7.0 | 3.1 | 1.6 | 2.3 | 3.1 | 2.3 | 1.6 |
| 77.5° | 1003.5 | 360.3 | 25.0 | 9.4 | 5.5 | 3.1 | 1.6 | 1.6 | 3.1 | 2.3 | 2.3 |
| 80° | 246.2 | 93.8 | 18.0 | 7.8 | 5.5 | 3.1 | 1.6 | 1.6 | 3.1 | 3.1 | 3.1 |
| 82.5° | 114.1 | 39.9 | 12.5 | 7.0 | 5.5 | 3.1 | 1.6 | 1.6 | 2.3 | 3.1 | 3.1 |
| 85° | 65.6 | 18.8 | 10.2 | 7.8 | 5.5 | 3.1 | 1.6 | 1.6 | 2.3 | 3.1 | 3.1 |
| 87.5° | 26.6 | 9.4 | 9.4 | 7.8 | 6.3 | 3.9 | 1.6 | 1.6 | 1.6 | 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 |

(END OF REPORT)