

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: P322450

Luminaire Tested: **GAN-SA6C-722-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22662 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

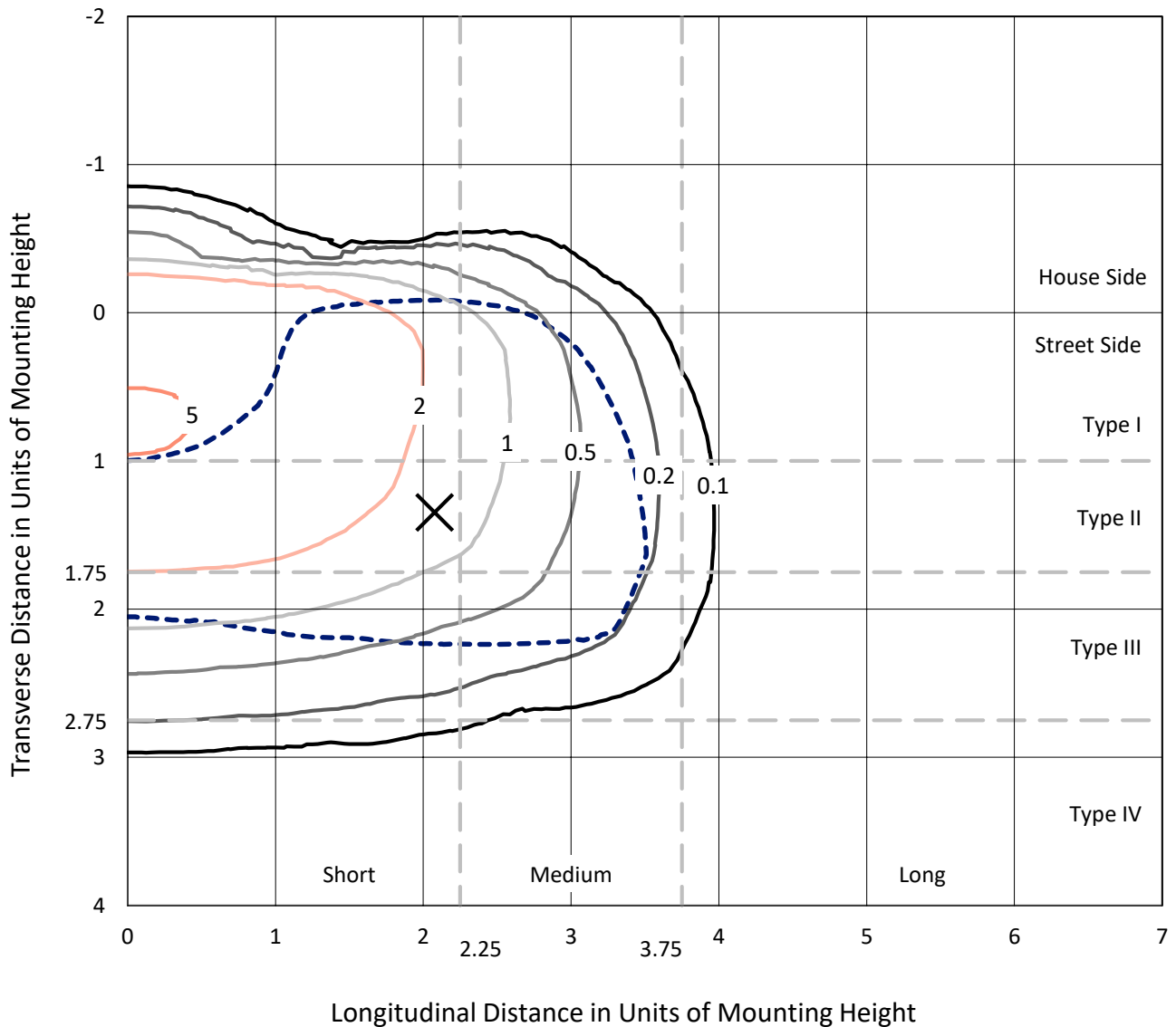
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

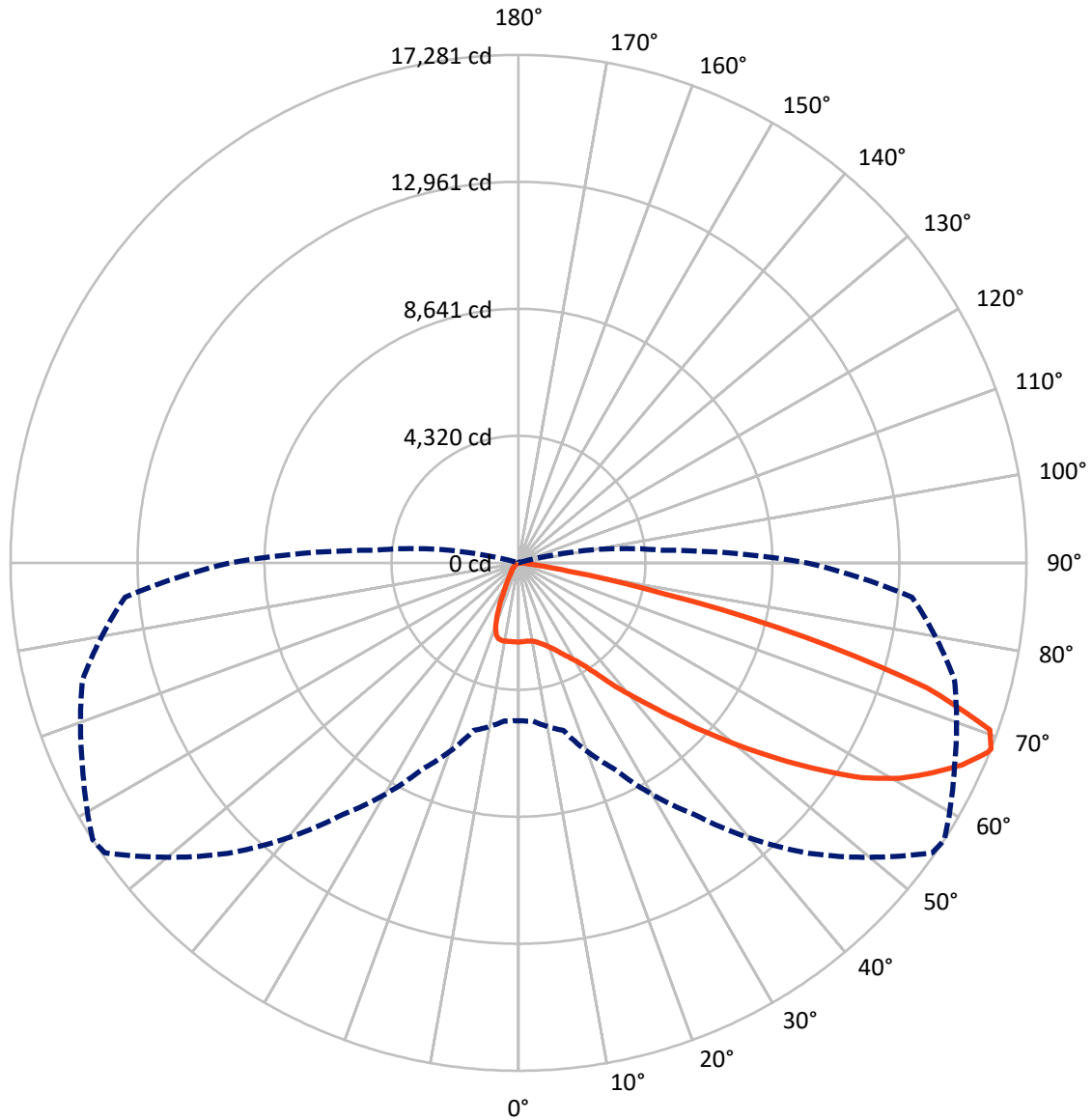
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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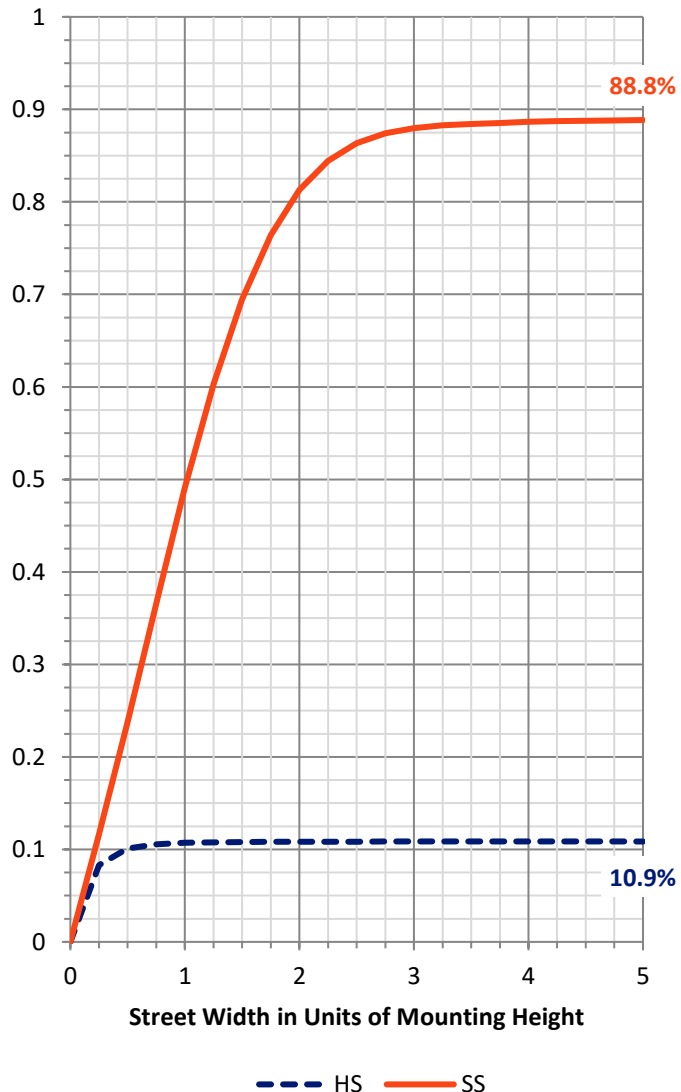
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2485.0 | 0.0 | 2485.0 |
| | % Fixture | 11.0 | 0.0 | 11.0 |
| Street Side | Lumens | 20177.0 | 0.0 | 20177.0 |
| | % Fixture | 89.0 | 0.0 | 89.0 |
| Total | Lumens | 22662.0 | 0.0 | 22662.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 252.0 | 1.1 |
| 10°-20° | 698.3 | 3.1 |
| 20°-30° | 1204.7 | 5.3 |
| 30°-40° | 2079.3 | 9.2 |
| 40°-50° | 3556.6 | 15.7 |
| 50°-60° | 5690.2 | 25.1 |
| 60°-70° | 6574.5 | 29.0 |
| 70°-80° | 2512.2 | 11.1 |
| 80°-90° | 94.2 | 0.4 |
| 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° | 22662.0 | 100.0 |
| 0°-180° | 22662.0 | 100.0 |

Coefficient of Utilization



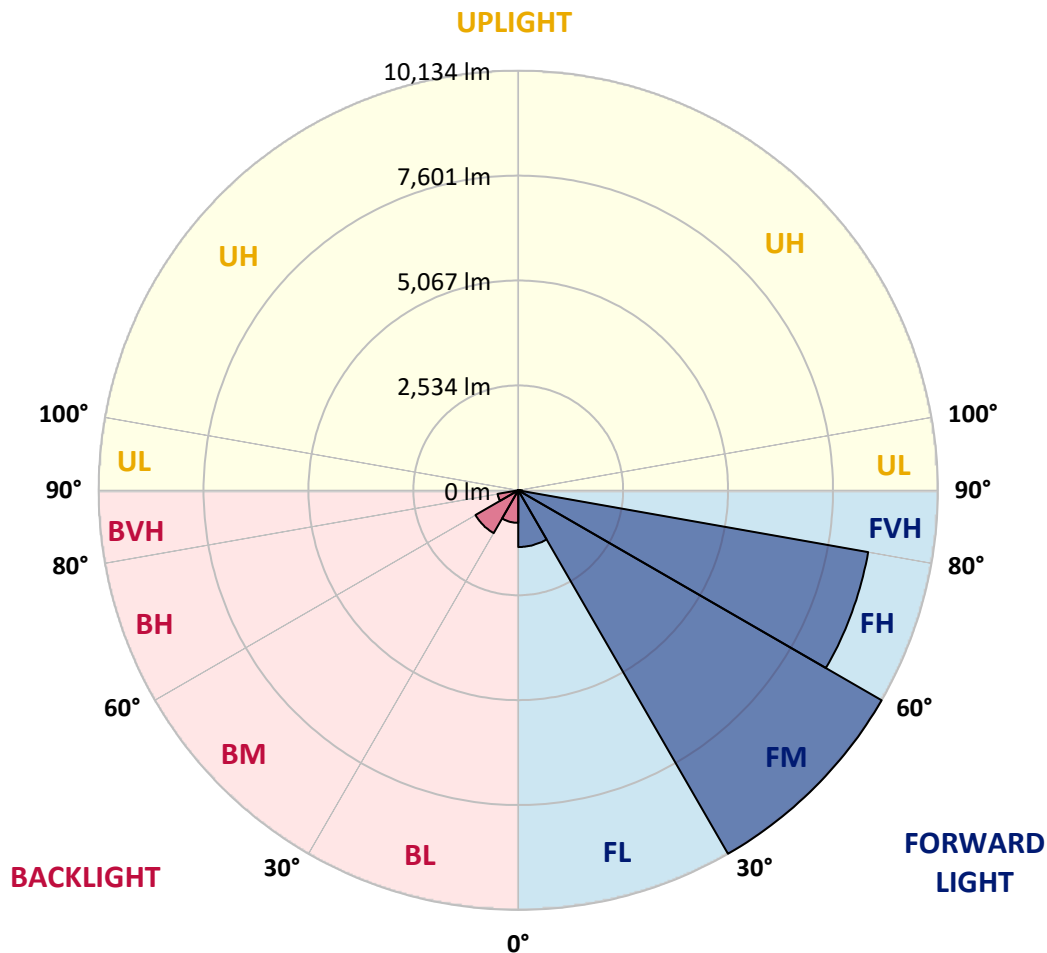
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 CATALOG NUMBER: GAN-SA6C-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1369.7 | 6.0 | | | |
| FM (30°-60°) | 10134.3 | 44.7 | | | |
| FH (60°-80°) | 8580.6 | 37.9 | | | G4/12000 |
| FVH (80°-90°) | 92.5 | 0.4 | | | G1/100 |
| BL (0°-30°) | 785.3 | 3.5 | B2/1000 | | |
| BM (30°-60°) | 1191.9 | 5.3 | B2/2500 | | |
| BH (60°-80°) | 506.1 | 2.2 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 1.7 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 |
| 2.5° | 2629.6 | 2641.4 | 2650.0 | 2655.3 | 2661.8 | 2675.7 | 2680.0 | 2686.4 | 2689.6 | 2689.6 | 2697.1 |
| 5° | 2525.7 | 2538.5 | 2556.8 | 2571.8 | 2601.8 | 2640.3 | 2668.2 | 2678.9 | 2698.2 | 2715.3 | 2725.0 |
| 7.5° | 2429.2 | 2444.2 | 2465.7 | 2501.0 | 2552.5 | 2614.6 | 2672.5 | 2687.5 | 2725.0 | 2761.4 | 2779.6 |
| 10° | 2367.1 | 2378.9 | 2406.7 | 2457.1 | 2524.6 | 2611.4 | 2692.8 | 2711.1 | 2775.4 | 2836.4 | 2870.7 |
| 12.5° | 2345.7 | 2356.4 | 2385.3 | 2442.1 | 2525.7 | 2627.5 | 2740.0 | 2766.8 | 2861.1 | 2950.0 | 2998.2 |
| 15° | 2376.7 | 2378.9 | 2409.9 | 2463.5 | 2546.0 | 2667.1 | 2818.2 | 2850.4 | 2969.3 | 3085.0 | 3145.0 |
| 17.5° | 2496.7 | 2487.1 | 2503.2 | 2526.8 | 2592.1 | 2719.6 | 2900.7 | 2948.9 | 3107.5 | 3243.6 | 3300.4 |
| 20° | 2796.8 | 2796.8 | 2760.4 | 2696.1 | 2697.1 | 2801.1 | 3012.2 | 3066.8 | 3260.8 | 3418.3 | 3469.7 |
| 22.5° | 3310.1 | 3300.4 | 3227.6 | 3070.0 | 2925.4 | 2941.4 | 3148.3 | 3219.0 | 3445.1 | 3613.3 | 3630.5 |
| 25° | 3927.3 | 3915.5 | 3803.0 | 3581.2 | 3330.4 | 3168.6 | 3332.6 | 3414.0 | 3664.8 | 3813.7 | 3778.3 |
| 27.5° | 4580.9 | 4571.3 | 4459.9 | 4184.5 | 3827.6 | 3530.8 | 3552.2 | 3629.4 | 3888.7 | 4035.5 | 3923.0 |
| 30° | 5214.2 | 5217.5 | 5107.1 | 4824.2 | 4420.2 | 3992.7 | 3830.8 | 3875.9 | 4106.2 | 4255.2 | 4094.5 |
| 32.5° | 5816.5 | 5820.7 | 5725.4 | 5409.3 | 5032.1 | 4529.5 | 4216.6 | 4204.8 | 4359.1 | 4505.9 | 4321.6 |
| 35° | 6353.3 | 6364.0 | 6298.7 | 6053.3 | 5653.6 | 5127.4 | 4717.0 | 4689.2 | 4718.1 | 4884.2 | 4669.9 |
| 37.5° | 6870.9 | 6877.3 | 6828.0 | 6621.2 | 6286.9 | 5784.3 | 5349.3 | 5309.6 | 5247.5 | 5375.0 | 5129.6 |
| 40° | 7437.7 | 7421.7 | 7364.9 | 7177.3 | 6890.2 | 6509.8 | 6028.6 | 5960.0 | 5851.8 | 5965.4 | 5733.9 |
| 42.5° | 7964.9 | 7946.7 | 7956.4 | 7744.2 | 7502.0 | 7255.6 | 6820.5 | 6702.6 | 6639.4 | 6770.1 | 6475.5 |
| 45° | 8624.0 | 8614.3 | 8646.5 | 8462.1 | 8266.1 | 8087.1 | 7728.1 | 7599.5 | 7571.7 | 7724.9 | 7372.4 |
| 47.5° | 9274.4 | 9298.0 | 9397.6 | 9319.4 | 9240.1 | 9082.6 | 8689.3 | 8631.5 | 8648.6 | 8834.0 | 8318.6 |
| 50° | 9816.6 | 9844.5 | 10117.7 | 10207.7 | 10322.4 | 10230.2 | 9835.9 | 9800.5 | 9868.0 | 10035.2 | 9336.5 |
| 52.5° | 10208.8 | 10265.6 | 10605.3 | 11020.0 | 11437.9 | 11500.0 | 11106.8 | 11074.6 | 11165.7 | 11191.4 | 10123.1 |
| 55° | 10481.0 | 10531.3 | 10916.0 | 11674.7 | 12525.5 | 12793.4 | 12549.1 | 12424.8 | 12407.7 | 12153.7 | 10950.3 |
| 57.5° | 10529.2 | 10523.8 | 11076.8 | 12098.0 | 13378.5 | 14069.6 | 13915.3 | 13793.2 | 13441.7 | 13043.1 | 11898.7 |
| 60° | 10257.0 | 10288.1 | 10930.0 | 12244.8 | 13914.3 | 15035.1 | 15046.9 | 14888.3 | 14340.8 | 13907.8 | 12818.1 |
| 62.5° | 9419.1 | 9545.5 | 10193.8 | 11860.1 | 13907.8 | 15424.1 | 15876.3 | 15755.2 | 15100.5 | 14616.1 | 13750.3 |
| 65° | 8060.3 | 8105.3 | 8723.6 | 10542.1 | 12968.1 | 15261.2 | 16623.2 | 16578.2 | 15785.2 | 15304.1 | 14229.3 |
| 67.5° | 5886.1 | 5788.6 | 6438.0 | 8301.4 | 10979.3 | 14311.8 | 17159.0 | 17215.8 | 16313.5 | 15445.5 | 13719.2 |
| 68° | 5371.8 | 5400.7 | 5906.5 | 7747.4 | 10458.5 | 13976.4 | 17194.3 | 17281.1 | 16366.0 | 15353.4 | 13440.6 |
| 70° | 3201.8 | 3257.6 | 3708.7 | 5334.3 | 7956.4 | 12078.7 | 16812.9 | 17011.1 | 16053.1 | 14402.9 | 11625.4 |
| 72.5° | 817.6 | 884.0 | 1310.5 | 2387.4 | 4544.5 | 8510.4 | 14192.9 | 14528.3 | 13937.8 | 11684.3 | 7848.1 |
| 75° | 336.5 | 353.6 | 468.3 | 786.5 | 1693.1 | 3834.1 | 9354.8 | 10072.7 | 9662.3 | 6995.2 | 3546.9 |
| 77.5° | 232.5 | 244.3 | 301.1 | 436.1 | 733.0 | 1299.8 | 4586.3 | 5104.9 | 4599.2 | 2387.4 | 773.7 |
| 80° | 167.2 | 176.8 | 215.4 | 290.4 | 421.1 | 464.0 | 1494.8 | 1728.4 | 1372.7 | 524.0 | 191.8 |
| 82.5° | 99.7 | 107.2 | 160.7 | 206.8 | 256.1 | 221.8 | 371.8 | 422.2 | 397.6 | 260.4 | 85.7 |
| 85° | 49.3 | 57.9 | 108.2 | 147.9 | 138.2 | 93.2 | 113.6 | 126.4 | 156.4 | 158.6 | 46.1 |
| 87.5° | 3.2 | 6.4 | 63.2 | 88.9 | 38.6 | 21.4 | 33.2 | 40.7 | 55.7 | 78.2 | 19.3 |
| 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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 CATALOG NUMBER: GAN-SA6C-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 | 2692.8 |
| 2.5° | 2700.3 | 2701.4 | 2693.9 | 2690.7 | 2692.8 | 2680.0 | 2674.6 | 2676.8 | 2676.8 | 2680.0 | 2674.6 |
| 5° | 2727.1 | 2727.1 | 2714.3 | 2697.1 | 2687.5 | 2662.8 | 2646.8 | 2642.5 | 2639.3 | 2637.1 | 2632.8 |
| 7.5° | 2785.0 | 2778.6 | 2756.1 | 2718.6 | 2686.4 | 2632.8 | 2592.1 | 2570.7 | 2560.0 | 2555.7 | 2552.5 |
| 10° | 2878.2 | 2866.4 | 2828.9 | 2759.3 | 2685.3 | 2590.0 | 2501.0 | 2437.8 | 2385.3 | 2363.9 | 2351.0 |
| 12.5° | 3003.6 | 2986.5 | 2923.2 | 2807.5 | 2677.8 | 2502.1 | 2309.2 | 2123.8 | 1951.3 | 1880.6 | 1845.2 |
| 15° | 3148.3 | 3123.6 | 3024.0 | 2848.2 | 2633.9 | 2303.9 | 1884.9 | 1560.2 | 1321.2 | 1231.2 | 1192.7 |
| 17.5° | 3295.1 | 3262.9 | 3111.8 | 2873.9 | 2502.1 | 1893.5 | 1322.3 | 998.7 | 839.0 | 796.2 | 781.2 |
| 20° | 3442.9 | 3395.8 | 3187.9 | 2854.6 | 2204.2 | 1365.2 | 872.3 | 729.7 | 683.7 | 670.8 | 666.5 |
| 22.5° | 3583.3 | 3510.4 | 3256.5 | 2779.6 | 1745.6 | 916.2 | 690.1 | 645.1 | 630.1 | 622.6 | 620.4 |
| 25° | 3705.5 | 3603.7 | 3316.5 | 2548.2 | 1235.5 | 692.2 | 621.5 | 606.5 | 587.2 | 573.3 | 574.4 |
| 27.5° | 3820.1 | 3696.9 | 3352.9 | 2166.7 | 824.0 | 591.5 | 575.4 | 555.1 | 519.7 | 499.3 | 499.3 |
| 30° | 3958.4 | 3821.2 | 3379.7 | 1667.4 | 606.5 | 522.9 | 510.1 | 479.0 | 430.8 | 404.0 | 404.0 |
| 32.5° | 4166.2 | 4009.8 | 3362.6 | 1170.1 | 502.6 | 459.7 | 429.7 | 386.8 | 334.3 | 308.6 | 307.5 |
| 35° | 4484.5 | 4301.3 | 3240.4 | 767.2 | 443.6 | 399.7 | 351.5 | 299.0 | 252.9 | 231.5 | 230.4 |
| 37.5° | 4913.1 | 4691.3 | 2966.1 | 548.6 | 397.6 | 344.0 | 286.1 | 228.2 | 194.0 | 180.0 | 179.0 |
| 40° | 5469.3 | 5144.6 | 2573.9 | 444.7 | 354.7 | 290.4 | 220.7 | 176.8 | 153.2 | 142.5 | 143.6 |
| 42.5° | 6136.9 | 5630.0 | 2103.5 | 383.6 | 312.9 | 239.0 | 172.5 | 139.3 | 124.3 | 116.8 | 114.7 |
| 45° | 6878.4 | 6109.0 | 1610.6 | 341.8 | 271.1 | 192.9 | 135.0 | 110.4 | 98.6 | 94.3 | 94.3 |
| 47.5° | 7693.8 | 6575.1 | 1178.7 | 305.4 | 226.1 | 148.9 | 108.2 | 90.0 | 80.4 | 77.2 | 76.1 |
| 50° | 8434.3 | 6898.7 | 849.8 | 266.8 | 185.4 | 117.9 | 87.9 | 75.0 | 68.6 | 64.3 | 64.3 |
| 52.5° | 9051.5 | 7000.5 | 625.8 | 225.0 | 150.0 | 94.3 | 72.9 | 64.3 | 57.9 | 54.6 | 54.6 |
| 55° | 9594.8 | 6958.7 | 465.1 | 185.4 | 121.1 | 77.2 | 62.2 | 54.6 | 49.3 | 46.1 | 46.1 |
| 57.5° | 10115.6 | 6823.7 | 347.2 | 151.1 | 97.5 | 62.2 | 52.5 | 46.1 | 40.7 | 38.6 | 38.6 |
| 60° | 10541.0 | 6598.7 | 258.2 | 122.2 | 78.2 | 50.4 | 43.9 | 37.5 | 33.2 | 30.0 | 30.0 |
| 62.5° | 10886.0 | 6350.1 | 189.7 | 100.7 | 62.2 | 39.6 | 34.3 | 31.1 | 24.6 | 21.4 | 21.4 |
| 65° | 10888.2 | 5937.5 | 142.5 | 83.6 | 48.2 | 31.1 | 25.7 | 24.6 | 16.1 | 12.9 | 11.8 |
| 67.5° | 10100.6 | 5118.9 | 109.3 | 71.8 | 37.5 | 23.6 | 19.3 | 20.4 | 8.6 | 5.4 | 4.3 |
| 68° | 9814.5 | 4911.0 | 102.9 | 70.7 | 35.4 | 22.5 | 18.2 | 20.4 | 7.5 | 4.3 | 3.2 |
| 70° | 8274.6 | 3906.9 | 82.5 | 68.6 | 31.1 | 17.1 | 15.0 | 20.4 | 6.4 | 3.2 | 2.1 |
| 72.5° | 5292.5 | 2267.4 | 61.1 | 54.6 | 23.6 | 12.9 | 9.6 | 18.2 | 6.4 | 2.1 | 1.1 |
| 75° | 2252.4 | 702.9 | 41.8 | 38.6 | 13.9 | 9.6 | 6.4 | 11.8 | 4.3 | 1.1 | 0.0 |
| 77.5° | 474.7 | 158.6 | 24.6 | 23.6 | 9.6 | 6.4 | 4.3 | 3.2 | 1.1 | 0.0 | 0.0 |
| 80° | 122.2 | 46.1 | 12.9 | 11.8 | 5.4 | 3.2 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 38.6 | 18.2 | 7.5 | 5.4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 19.3 | 10.7 | 4.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 10.7 | 3.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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)