

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: P527634

Luminaire Tested: **GLAN-SA2C-830-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-830-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9522 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

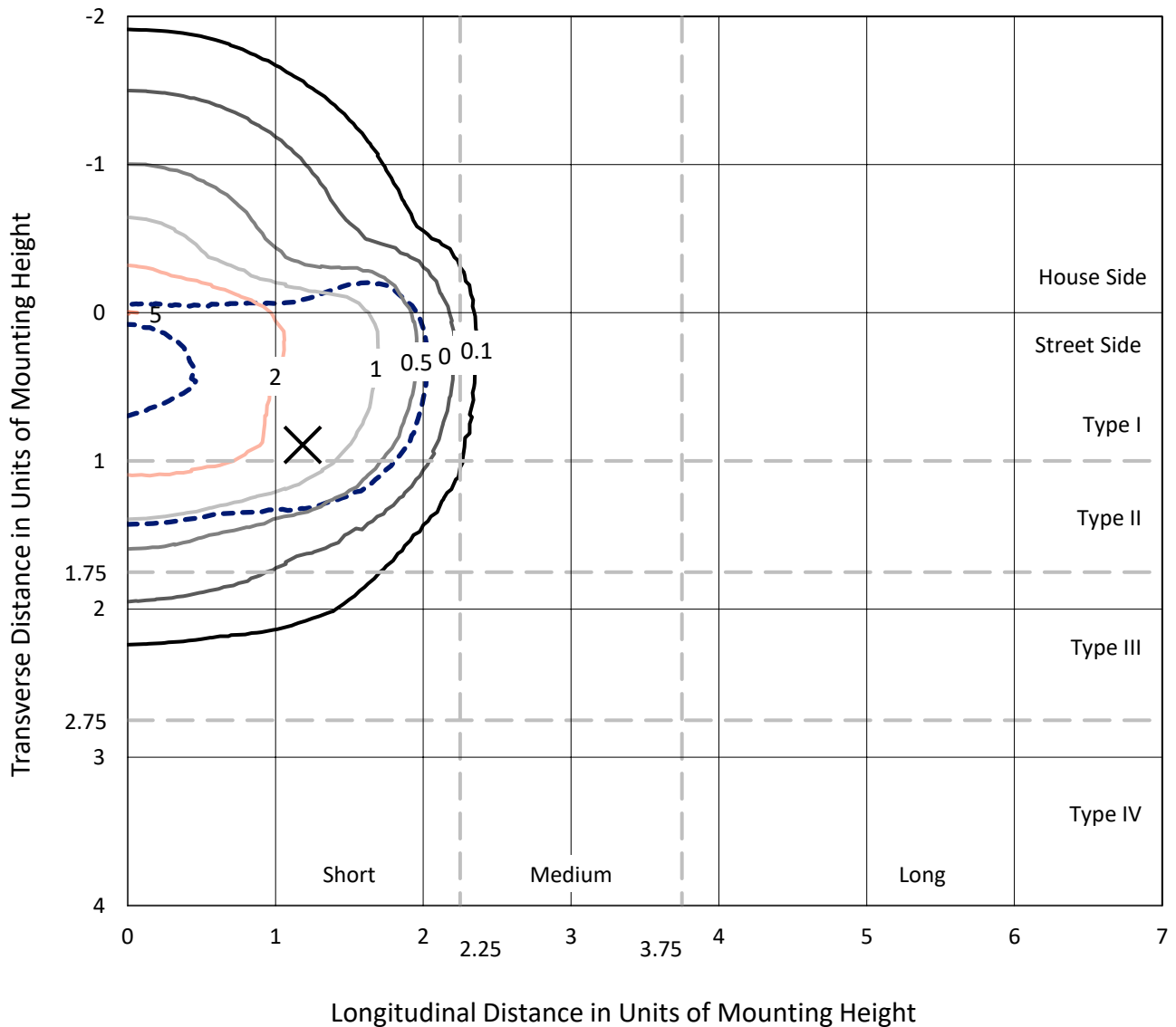
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

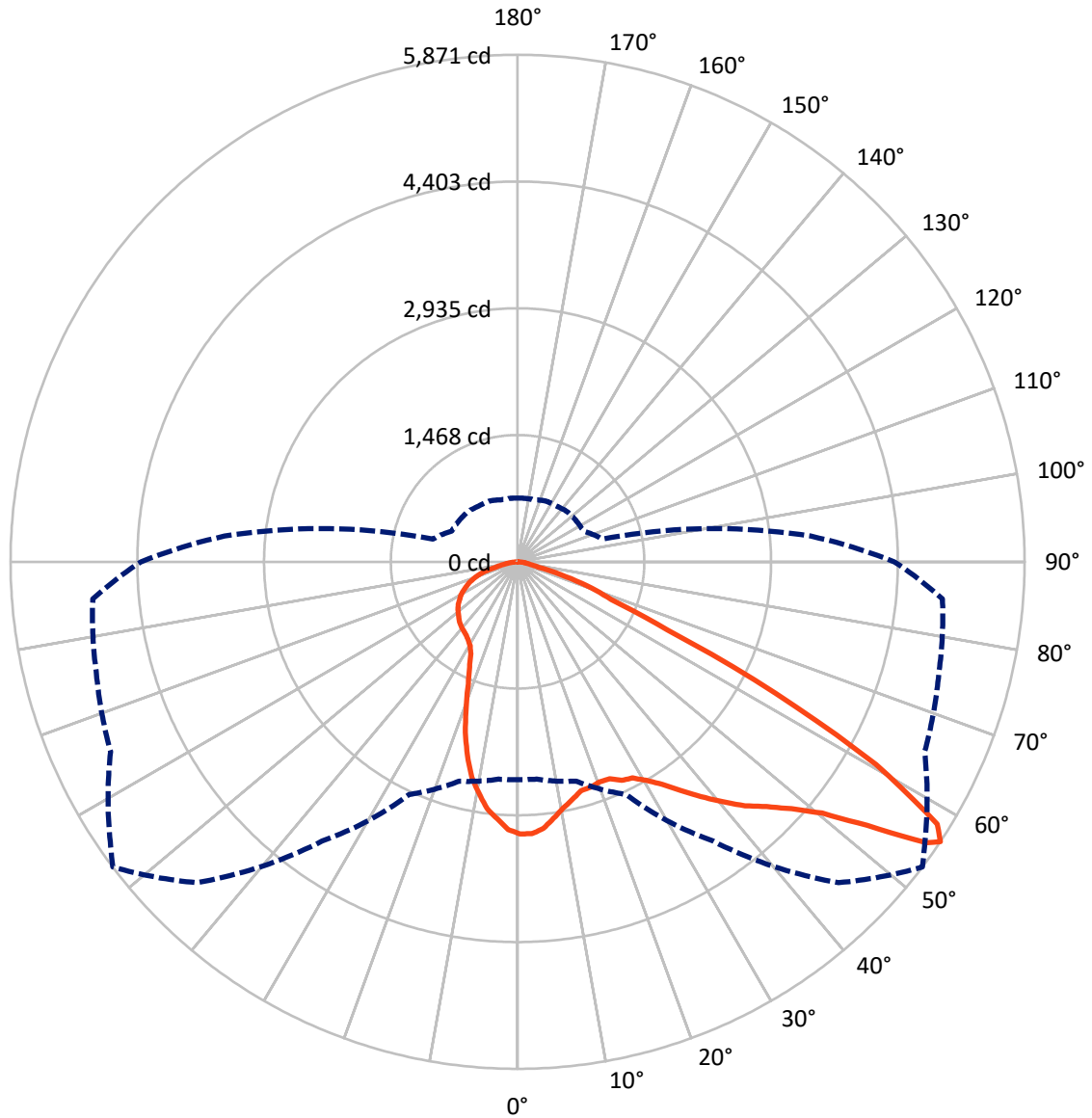
✕ Max cd
 - - - 1/2 Max cd



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 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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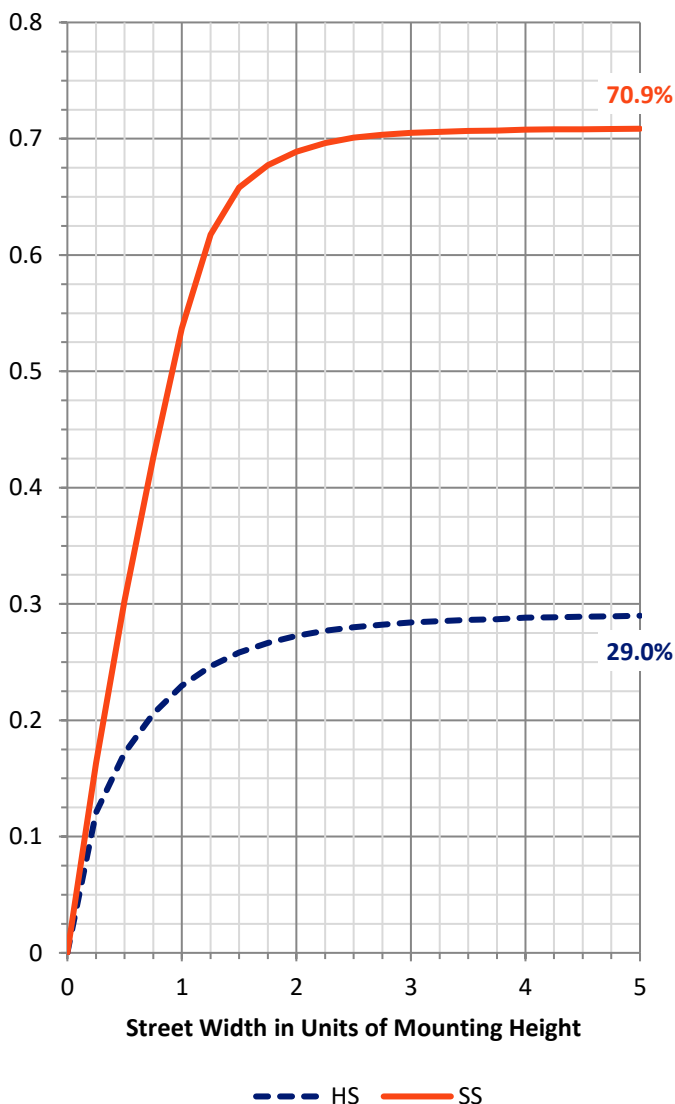
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2778.7 | 0.0 | 2778.7 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 6743.3 | 0.0 | 6743.3 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 9522.0 | 0.0 | 9522.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 278.9 | 2.9 |
| 10°-20° | 696.5 | 7.3 |
| 20°-30° | 1027.1 | 10.8 |
| 30°-40° | 1467.5 | 15.4 |
| 40°-50° | 2019.9 | 21.2 |
| 50°-60° | 2386.9 | 25.1 |
| 60°-70° | 1272.1 | 13.4 |
| 70°-80° | 322.7 | 3.4 |
| 80°-90° | 50.3 | 0.5 |
| 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° | 9522.0 | 100.0 |
| 0°-180° | 9522.0 | 100.0 |

Coefficient of Utilization

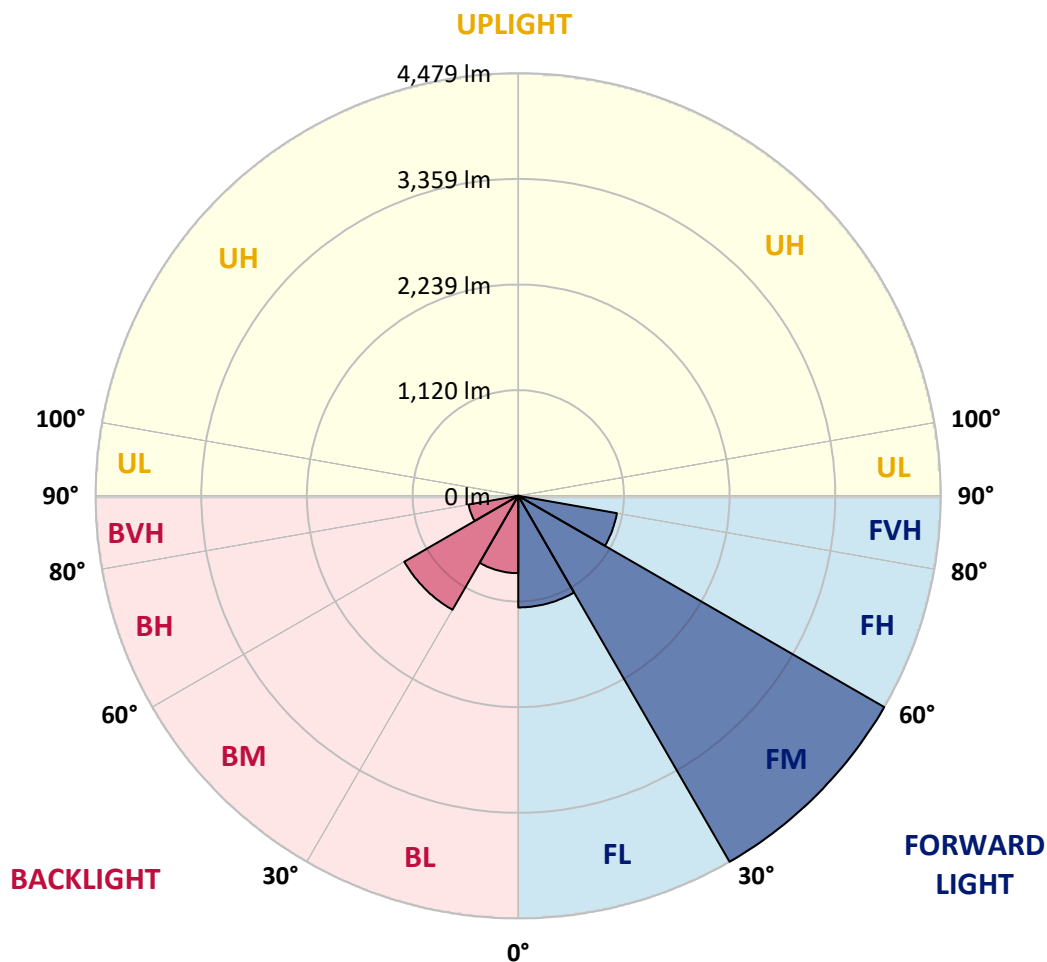


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1183.0 | 12.4 | | | |
| FM (30°-60°) | 4479.0 | 47.0 | | | |
| FH (60°-80°) | 1061.1 | 11.1 | | | G1/1800 |
| FVH (80°-90°) | 20.2 | 0.2 | | | G1/100 |
| BL (0°-30°) | 819.6 | 8.6 | B2/1000 | | |
| BM (30°-60°) | 1395.4 | 14.7 | B2/2500 | | |
| BH (60°-80°) | 533.7 | 5.6 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 30.1 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 |
| 2.5° | 3111.2 | 3084.3 | 3100.2 | 3094.1 | 3144.1 | 3158.8 | 3151.5 | 3157.6 | 3185.7 | 3172.2 | 3144.1 |
| 5° | 2907.2 | 2945.0 | 2952.4 | 2970.7 | 3000.0 | 3057.4 | 3102.6 | 3114.8 | 3128.3 | 3190.6 | 3184.5 |
| 7.5° | 2721.5 | 2747.2 | 2733.7 | 2787.5 | 2851.0 | 2943.8 | 2998.8 | 3008.6 | 3131.9 | 3166.1 | 3191.8 |
| 10° | 2604.2 | 2578.6 | 2639.7 | 2654.3 | 2726.4 | 2832.7 | 2898.6 | 2938.9 | 3051.3 | 3186.9 | 3202.8 |
| 12.5° | 2495.5 | 2487.0 | 2523.6 | 2565.2 | 2645.8 | 2755.7 | 2822.9 | 2838.8 | 3012.2 | 3155.1 | 3229.7 |
| 15° | 2414.9 | 2405.1 | 2441.8 | 2472.3 | 2566.4 | 2664.1 | 2749.6 | 2794.8 | 2969.5 | 3136.8 | 3206.4 |
| 17.5° | 2351.4 | 2350.2 | 2370.9 | 2425.9 | 2522.4 | 2604.2 | 2742.3 | 2744.7 | 2947.5 | 3164.9 | 3226.0 |
| 20° | 2347.7 | 2346.5 | 2350.2 | 2411.2 | 2499.2 | 2599.4 | 2719.1 | 2741.0 | 2947.5 | 3145.4 | 3227.2 |
| 22.5° | 2378.3 | 2358.7 | 2380.7 | 2419.8 | 2483.3 | 2607.9 | 2727.6 | 2776.5 | 3018.3 | 3241.9 | 3282.2 |
| 25° | 2427.1 | 2432.0 | 2444.2 | 2457.7 | 2494.3 | 2627.5 | 2803.3 | 2843.7 | 3101.4 | 3324.9 | 3357.9 |
| 27.5° | 2516.3 | 2513.9 | 2518.7 | 2526.1 | 2557.8 | 2645.8 | 2833.9 | 2937.7 | 3274.8 | 3472.7 | 3439.7 |
| 30° | 2647.0 | 2638.4 | 2658.0 | 2683.6 | 2654.3 | 2704.4 | 2935.3 | 3013.4 | 3436.1 | 3621.8 | 3531.4 |
| 32.5° | 2765.5 | 2797.2 | 2833.9 | 2844.9 | 2809.5 | 2819.2 | 3069.6 | 3149.0 | 3570.4 | 3805.0 | 3643.7 |
| 35° | 2913.3 | 2938.9 | 2987.8 | 3022.0 | 3015.9 | 2986.6 | 3252.9 | 3357.9 | 3764.7 | 3939.3 | 3762.2 |
| 37.5° | 3057.4 | 3088.0 | 3168.6 | 3270.0 | 3213.8 | 3200.3 | 3448.3 | 3535.0 | 3824.5 | 4011.4 | 3849.0 |
| 40° | 3289.5 | 3288.3 | 3427.5 | 3480.1 | 3530.1 | 3506.9 | 3651.1 | 3680.4 | 3856.3 | 3995.5 | 3851.4 |
| 42.5° | 3561.9 | 3544.8 | 3686.5 | 3768.3 | 3833.1 | 3835.5 | 3862.4 | 3852.6 | 3870.9 | 3914.9 | 3825.7 |
| 45° | 3820.9 | 3857.5 | 4000.4 | 4147.0 | 4211.7 | 4219.1 | 4040.7 | 4022.4 | 3896.6 | 3891.7 | 3776.9 |
| 47.5° | 4137.2 | 4145.8 | 4263.0 | 4456.0 | 4606.3 | 4555.0 | 4271.6 | 4231.3 | 4009.0 | 4046.8 | 3858.7 |
| 50° | 4155.5 | 4219.1 | 4324.1 | 4551.3 | 5013.0 | 4999.6 | 4570.9 | 4495.1 | 4189.8 | 4266.7 | 4087.1 |
| 52.5° | 3772.0 | 3757.3 | 3881.9 | 4253.3 | 4982.5 | 5441.8 | 5066.8 | 4886.0 | 4578.2 | 4519.6 | 4457.3 |
| 55° | 2874.2 | 2908.4 | 3018.3 | 3393.3 | 4326.6 | 5447.9 | 5742.3 | 5594.5 | 4993.5 | 4893.3 | 4821.3 |
| 56° | 2521.2 | 2526.1 | 2629.9 | 2971.9 | 3947.9 | 5253.7 | 5870.5 | 5750.8 | 5199.9 | 5047.2 | 4937.3 |
| 57.5° | 2090.0 | 2061.9 | 2115.6 | 2302.5 | 3332.3 | 4843.3 | 5730.1 | 5847.3 | 5441.8 | 5213.4 | 5060.7 |
| 60° | 1645.4 | 1639.3 | 1617.3 | 1651.5 | 2105.9 | 3648.6 | 4770.0 | 5033.8 | 5417.4 | 5057.0 | 4846.9 |
| 62.5° | 1343.7 | 1313.1 | 1357.1 | 1405.9 | 1463.4 | 2263.4 | 3351.8 | 3506.9 | 4300.9 | 4037.1 | 3641.3 |
| 65° | 1041.9 | 1027.3 | 1082.3 | 1241.0 | 1275.2 | 1437.7 | 1909.2 | 2028.9 | 2539.5 | 2494.3 | 2196.3 |
| 67.5° | 717.0 | 719.5 | 767.1 | 1009.0 | 1182.4 | 1167.8 | 1169.0 | 1231.3 | 1325.3 | 984.5 | 857.5 |
| 70° | 454.4 | 453.2 | 478.8 | 649.8 | 951.5 | 961.3 | 912.5 | 894.1 | 847.7 | 513.0 | 543.6 |
| 72.5° | 291.9 | 283.4 | 296.8 | 359.1 | 492.3 | 569.2 | 586.3 | 597.3 | 491.0 | 403.1 | 437.3 |
| 75° | 164.9 | 156.4 | 151.5 | 167.3 | 194.2 | 224.8 | 246.7 | 254.1 | 284.6 | 305.4 | 323.7 |
| 77.5° | 50.1 | 45.2 | 55.0 | 73.3 | 96.5 | 129.5 | 157.6 | 162.5 | 191.8 | 216.2 | 234.5 |
| 80° | 22.0 | 24.4 | 34.2 | 48.9 | 68.4 | 91.6 | 111.2 | 118.5 | 138.0 | 156.4 | 161.2 |
| 82.5° | 13.4 | 14.7 | 23.2 | 33.0 | 47.6 | 64.7 | 79.4 | 81.8 | 101.4 | 116.0 | 119.7 |
| 85° | 4.9 | 6.1 | 12.2 | 19.5 | 30.5 | 41.5 | 41.5 | 45.2 | 41.5 | 41.5 | 45.2 |
| 87.5° | 0.0 | 0.0 | 1.2 | 2.4 | 2.4 | 3.7 | 4.9 | 4.9 | 6.1 | 7.3 | 8.6 |
| 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: GLAN-SA2C-830-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 | 3150.3 |
| 2.5° | 3158.8 | 3152.7 | 3142.9 | 3107.5 | 3103.8 | 3092.8 | 3031.8 | 3022.0 | 3031.8 | 3002.5 | 3004.9 |
| 5° | 3152.7 | 3171.0 | 3097.7 | 3062.3 | 2996.3 | 2948.7 | 2893.7 | 2865.6 | 2815.6 | 2783.8 | 2819.2 |
| 7.5° | 3179.6 | 3172.2 | 3080.6 | 3003.7 | 2904.7 | 2783.8 | 2687.3 | 2632.3 | 2544.4 | 2520.0 | 2538.3 |
| 10° | 3169.8 | 3130.7 | 3023.2 | 2921.8 | 2734.9 | 2628.7 | 2472.3 | 2320.9 | 2237.8 | 2195.0 | 2188.9 |
| 12.5° | 3156.4 | 3145.4 | 2965.8 | 2791.1 | 2594.5 | 2370.9 | 2151.1 | 2008.1 | 1872.6 | 1813.9 | 1822.5 |
| 15° | 3172.2 | 3079.4 | 2858.3 | 2637.2 | 2375.8 | 2082.7 | 1845.7 | 1661.2 | 1567.2 | 1529.3 | 1529.3 |
| 17.5° | 3164.9 | 3047.6 | 2807.0 | 2465.0 | 2134.0 | 1787.1 | 1526.9 | 1415.7 | 1376.6 | 1376.6 | 1387.6 |
| 20° | 3168.6 | 3068.4 | 2703.2 | 2292.8 | 1848.1 | 1504.9 | 1315.6 | 1275.2 | 1292.3 | 1298.5 | 1304.6 |
| 22.5° | 3189.3 | 3000.0 | 2601.8 | 2103.4 | 1583.1 | 1287.5 | 1194.6 | 1195.9 | 1226.4 | 1259.4 | 1253.3 |
| 25° | 3215.0 | 2973.1 | 2478.4 | 1915.3 | 1380.3 | 1181.2 | 1151.9 | 1148.2 | 1171.4 | 1188.5 | 1191.0 |
| 27.5° | 3193.0 | 2926.7 | 2352.6 | 1680.8 | 1214.2 | 1110.3 | 1104.2 | 1106.7 | 1114.0 | 1148.2 | 1137.2 |
| 30° | 3265.1 | 2940.2 | 2195.0 | 1484.1 | 1122.6 | 1087.1 | 1079.8 | 1076.1 | 1087.1 | 1096.9 | 1088.4 |
| 32.5° | 3354.2 | 2892.5 | 2077.8 | 1294.8 | 1077.4 | 1070.0 | 1055.4 | 1050.5 | 1056.6 | 1046.8 | 1051.7 |
| 35° | 3393.3 | 2884.0 | 1925.1 | 1159.2 | 1041.9 | 1035.8 | 1027.3 | 1026.1 | 1027.3 | 1018.7 | 1011.4 |
| 37.5° | 3415.3 | 2924.3 | 1750.4 | 1096.9 | 1020.0 | 1026.1 | 1006.5 | 1004.1 | 982.1 | 987.0 | 990.6 |
| 40° | 3453.2 | 2862.0 | 1608.7 | 1037.1 | 1006.5 | 994.3 | 977.2 | 973.5 | 958.9 | 950.3 | 958.9 |
| 42.5° | 3398.2 | 2843.7 | 1469.5 | 1011.4 | 987.0 | 973.5 | 961.3 | 940.6 | 935.7 | 928.3 | 923.5 |
| 45° | 3354.2 | 2738.6 | 1344.9 | 979.6 | 963.8 | 956.4 | 933.2 | 911.2 | 892.9 | 900.2 | 889.3 |
| 47.5° | 3387.2 | 2702.0 | 1221.5 | 952.8 | 932.0 | 923.5 | 900.2 | 883.1 | 864.8 | 856.3 | 853.8 |
| 50° | 3519.1 | 2770.4 | 1117.7 | 933.2 | 905.1 | 900.2 | 869.7 | 850.2 | 833.1 | 827.0 | 829.4 |
| 52.5° | 3834.3 | 2957.3 | 1046.8 | 892.9 | 879.5 | 857.5 | 840.4 | 816.0 | 805.0 | 785.4 | 797.6 |
| 55° | 4233.7 | 3261.4 | 1028.5 | 855.1 | 847.7 | 828.2 | 805.0 | 786.6 | 765.9 | 750.0 | 746.3 |
| 56° | 4362.0 | 3406.8 | 1013.8 | 840.4 | 828.2 | 817.2 | 786.6 | 775.7 | 742.7 | 739.0 | 736.6 |
| 57.5° | 4465.8 | 3535.0 | 1016.3 | 812.3 | 800.1 | 790.3 | 772.0 | 745.1 | 723.1 | 709.7 | 715.8 |
| 60° | 4231.3 | 3309.0 | 969.9 | 769.5 | 767.1 | 748.8 | 723.1 | 710.9 | 684.0 | 668.2 | 664.5 |
| 62.5° | 3145.4 | 2246.3 | 786.6 | 714.6 | 713.4 | 693.8 | 664.5 | 651.1 | 646.2 | 624.2 | 624.2 |
| 65° | 1811.5 | 1408.4 | 680.4 | 669.4 | 659.6 | 640.1 | 610.8 | 599.8 | 587.5 | 580.2 | 574.1 |
| 67.5° | 773.2 | 730.5 | 618.1 | 616.9 | 605.9 | 581.4 | 552.1 | 535.0 | 519.1 | 504.5 | 511.8 |
| 70° | 560.7 | 569.2 | 558.2 | 552.1 | 538.7 | 508.1 | 482.5 | 461.7 | 437.3 | 427.5 | 434.9 |
| 72.5° | 444.6 | 462.9 | 478.8 | 480.1 | 464.2 | 428.7 | 400.7 | 372.6 | 345.7 | 332.2 | 338.4 |
| 75° | 337.1 | 349.3 | 365.2 | 368.9 | 345.7 | 321.3 | 294.4 | 265.1 | 244.3 | 228.4 | 230.9 |
| 77.5° | 243.1 | 240.6 | 255.3 | 252.9 | 241.9 | 224.8 | 200.3 | 173.5 | 150.2 | 135.6 | 136.8 |
| 80° | 166.1 | 169.8 | 178.3 | 177.1 | 163.7 | 152.7 | 134.4 | 112.4 | 95.3 | 83.1 | 80.6 |
| 82.5° | 116.0 | 122.2 | 129.5 | 123.4 | 112.4 | 101.4 | 87.9 | 72.1 | 58.6 | 48.9 | 46.4 |
| 85° | 41.5 | 47.6 | 55.0 | 58.6 | 62.3 | 59.9 | 50.1 | 40.3 | 29.3 | 24.4 | 23.2 |
| 87.5° | 8.6 | 9.8 | 11.0 | 11.0 | 11.0 | 9.8 | 8.6 | 8.6 | 7.3 | 3.7 | 3.7 |
| 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)