

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: P528207

Luminaire Tested: **GLAN-SA3B-735-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-735-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9254 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

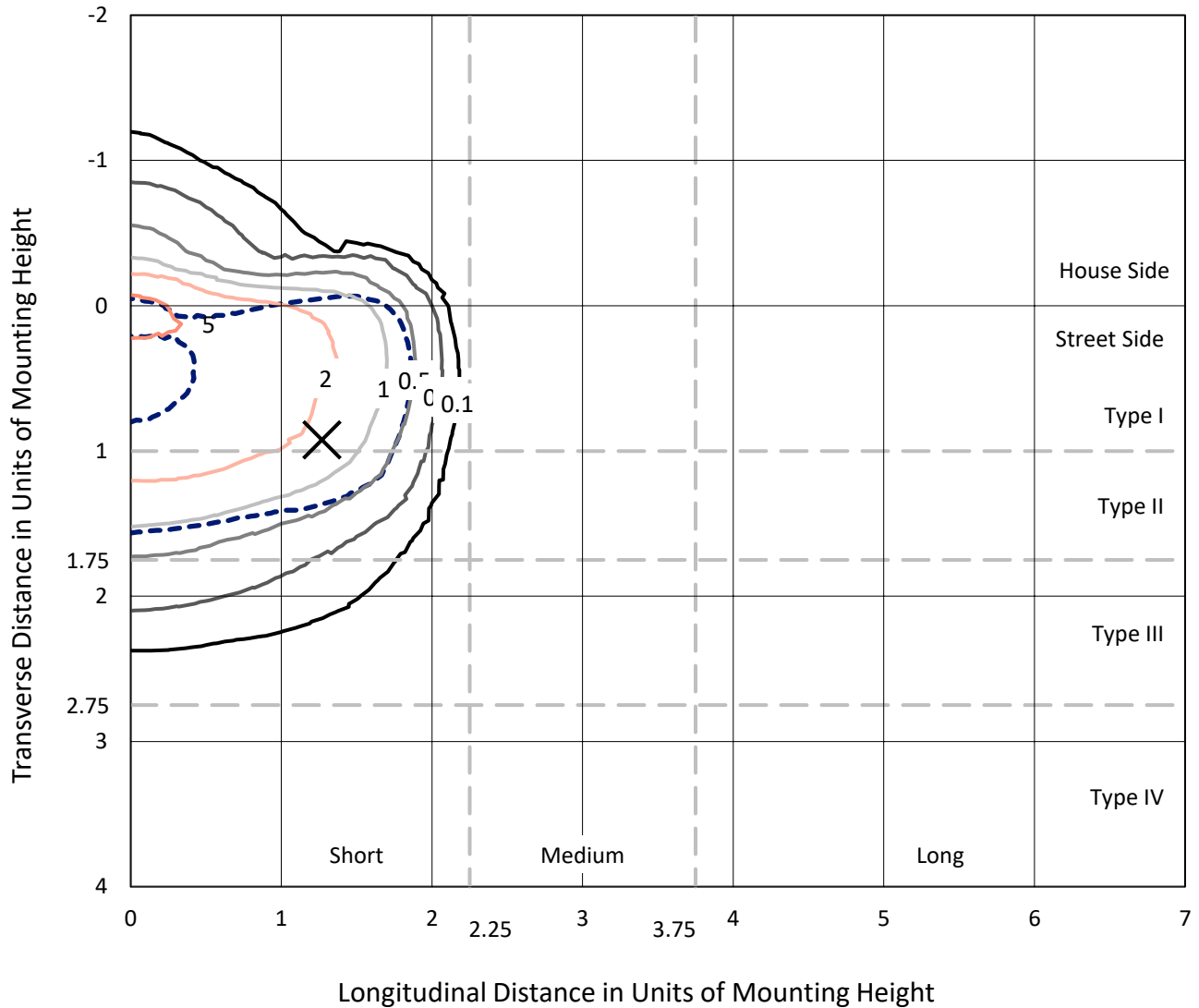
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

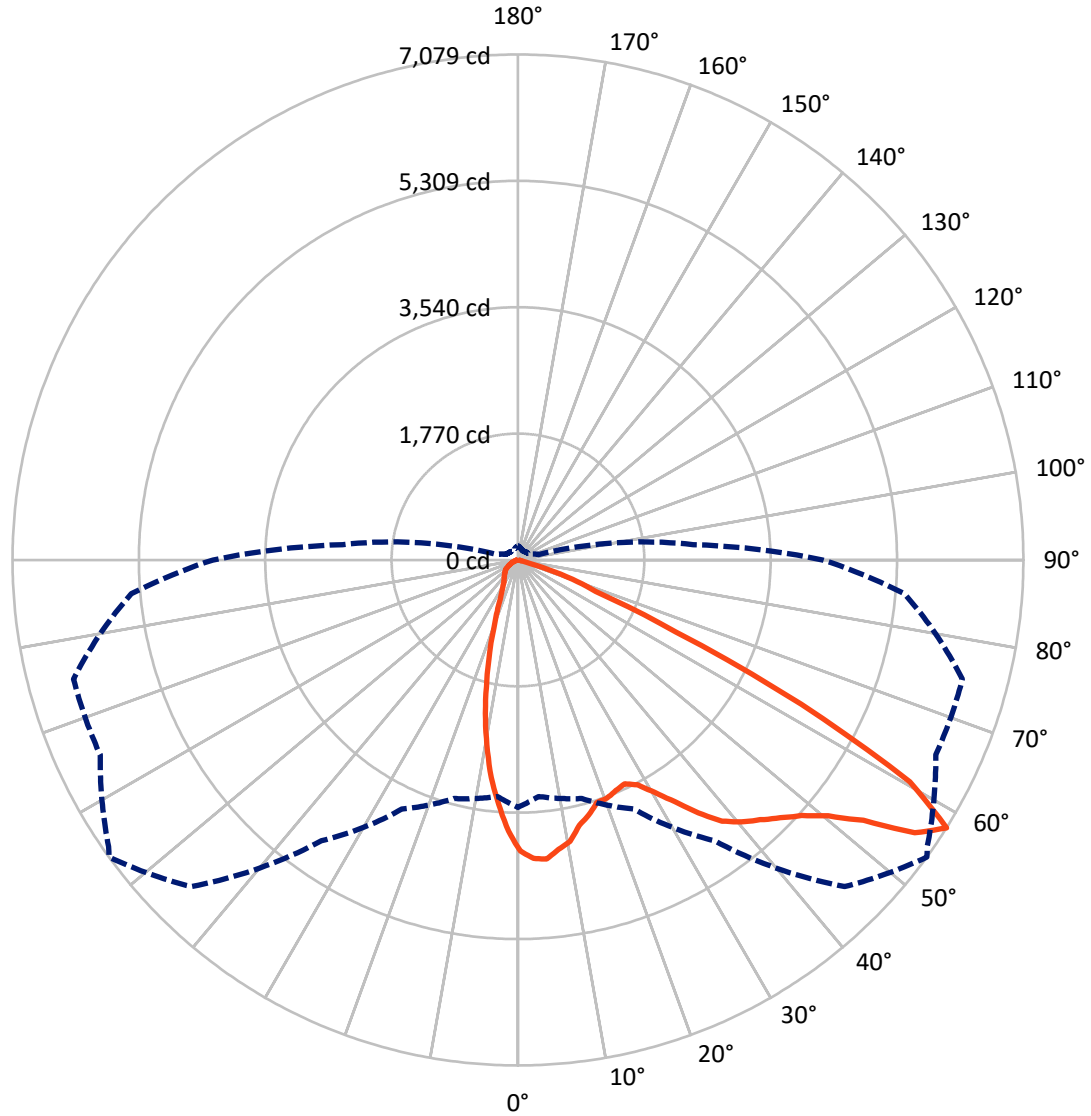
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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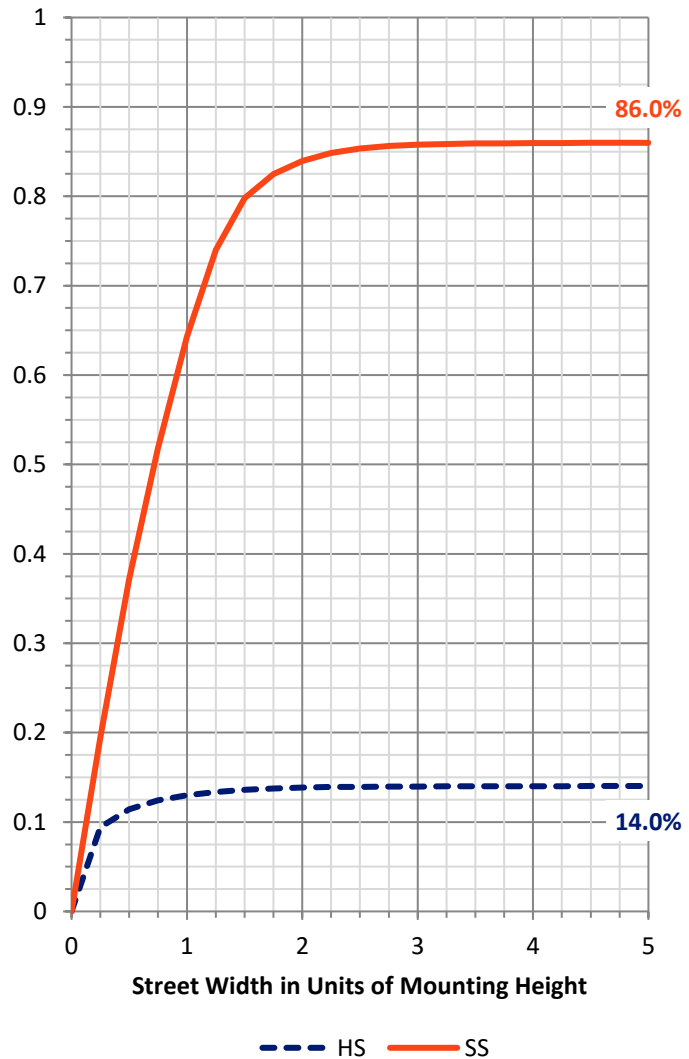
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1307.7 | 0.0 | 1307.7 |
| | % Fixture | 14.1 | 0.0 | 14.1 |
| Street Side | Lumens | 7946.3 | 0.0 | 7946.3 |
| | % Fixture | 85.9 | 0.0 | 85.9 |
| Total | Lumens | 9254.0 | 0.0 | 9254.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 341.1 | 3.7 |
| 10°-20° | 728.3 | 7.9 |
| 20°-30° | 965.2 | 10.4 |
| 30°-40° | 1402.6 | 15.2 |
| 40°-50° | 2079.9 | 22.5 |
| 50°-60° | 2600.9 | 28.1 |
| 60°-70° | 1025.9 | 11.1 |
| 70°-80° | 102.1 | 1.1 |
| 80°-90° | 7.9 | 0.1 |
| 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° | 9254.0 | 100.0 |
| 0°-180° | 9254.0 | 100.0 |

Coefficient of Utilization



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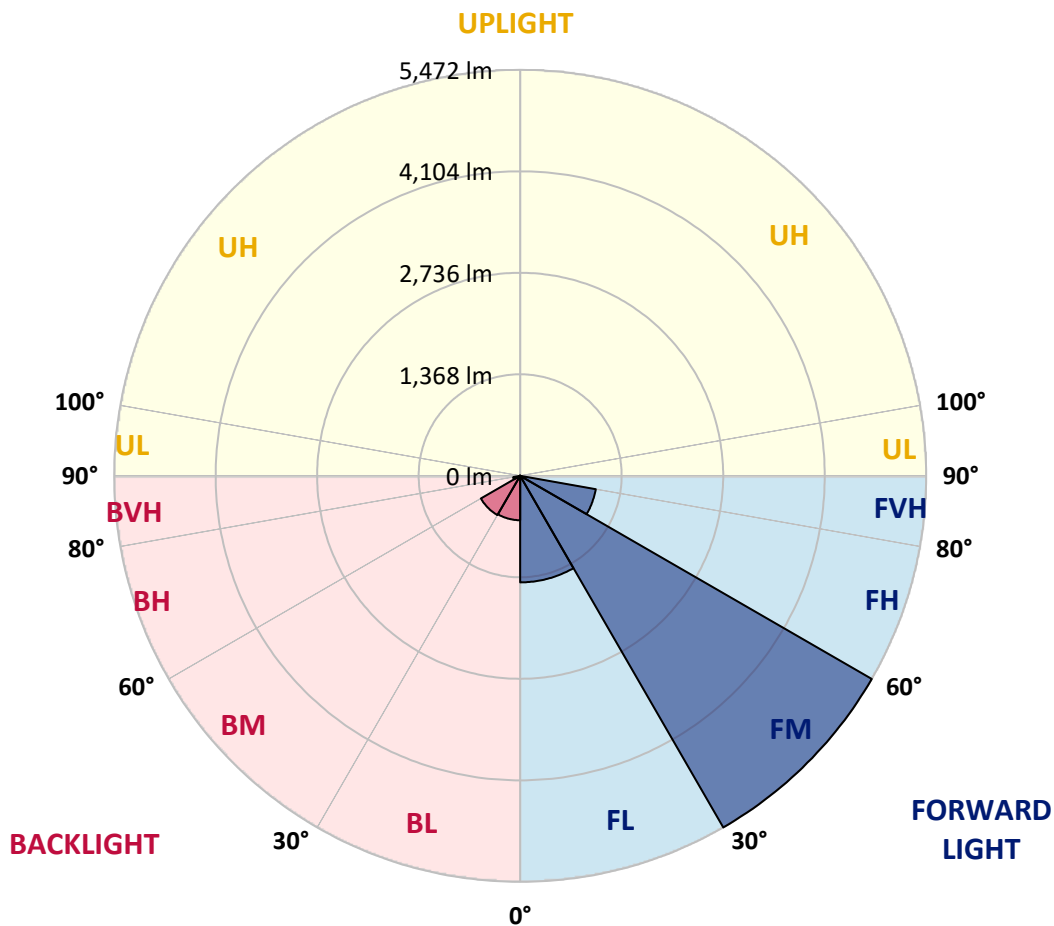
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1436.5 | 15.5 | | | |
| FM (30°-60°) | 5471.9 | 59.1 | | | |
| FH (60°-80°) | 1034.3 | 11.2 | | | G1/1800 |
| FVH (80°-90°) | 3.6 | 0.0 | | | G0/10 |
| BL (0°-30°) | 598.1 | 6.5 | B2/1000 | | |
| BM (30°-60°) | 611.5 | 6.6 | B1/1000 | | |
| BH (60°-80°) | 93.8 | 1.0 | B0/110 | | G0/110 |
| BVH (80°-90°) | 4.3 | 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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 |
| 2.5° | 4314.0 | 4269.2 | 4272.7 | 4257.2 | 4236.5 | 4252.0 | 4184.9 | 4200.4 | 4198.7 | 4107.5 | 4047.3 |
| 5° | 4205.6 | 4253.8 | 4203.8 | 4245.1 | 4205.6 | 4248.6 | 4207.3 | 4176.3 | 4126.4 | 4059.3 | 3947.5 |
| 7.5° | 4021.4 | 3975.0 | 3988.8 | 4040.4 | 4049.0 | 4145.3 | 4093.7 | 4133.3 | 4112.6 | 3980.1 | 3827.0 |
| 10° | 3651.5 | 3641.2 | 3710.0 | 3778.8 | 3863.1 | 3966.4 | 4006.0 | 3983.6 | 3968.1 | 3918.2 | 3713.4 |
| 12.5° | 3367.6 | 3396.8 | 3395.1 | 3508.7 | 3651.5 | 3710.0 | 3813.2 | 3809.8 | 3895.8 | 3802.9 | 3606.7 |
| 15° | 3097.4 | 3112.9 | 3185.2 | 3255.7 | 3414.0 | 3580.9 | 3708.3 | 3725.5 | 3828.7 | 3763.3 | 3524.1 |
| 17.5° | 2932.2 | 2909.8 | 2966.6 | 3050.9 | 3212.7 | 3431.2 | 3572.3 | 3613.6 | 3754.7 | 3741.0 | 3429.5 |
| 20° | 2768.7 | 2768.7 | 2815.2 | 2915.0 | 3063.0 | 3309.0 | 3560.3 | 3548.2 | 3754.7 | 3715.1 | 3328.0 |
| 22.5° | 2713.7 | 2741.2 | 2753.2 | 2829.0 | 3004.5 | 3216.1 | 3508.7 | 3531.0 | 3784.0 | 3703.1 | 3283.2 |
| 25° | 2789.4 | 2753.2 | 2756.7 | 2816.9 | 2982.1 | 3171.4 | 3470.8 | 3520.7 | 3837.3 | 3763.3 | 3247.1 |
| 27.5° | 2801.4 | 2837.6 | 2847.9 | 2889.2 | 2999.3 | 3185.2 | 3565.4 | 3667.0 | 3969.8 | 3904.4 | 3257.4 |
| 30° | 2906.4 | 2942.5 | 2940.8 | 3011.4 | 3087.1 | 3297.0 | 3777.1 | 3797.7 | 4243.4 | 4081.7 | 3321.1 |
| 32.5° | 3033.7 | 3071.6 | 3083.6 | 3166.2 | 3226.4 | 3501.8 | 4035.2 | 4088.6 | 4506.7 | 4360.4 | 3488.0 |
| 35° | 3192.0 | 3178.3 | 3233.3 | 3315.9 | 3445.0 | 3801.2 | 4350.1 | 4439.6 | 4790.6 | 4721.8 | 3660.1 |
| 37.5° | 3389.9 | 3372.7 | 3426.1 | 3560.3 | 3735.8 | 4155.7 | 4640.9 | 4699.4 | 4997.1 | 5057.4 | 3978.4 |
| 40° | 3529.3 | 3536.2 | 3697.9 | 3878.6 | 4064.5 | 4492.9 | 4825.0 | 4881.8 | 5141.7 | 5370.5 | 4219.3 |
| 42.5° | 3761.6 | 3804.6 | 3999.1 | 4219.3 | 4413.8 | 4745.9 | 4974.8 | 5029.8 | 5208.8 | 5621.8 | 4544.6 |
| 45° | 4098.9 | 4080.0 | 4295.0 | 4541.1 | 4756.2 | 5009.2 | 5152.0 | 5133.1 | 5248.4 | 5871.3 | 4749.3 |
| 47.5° | 4532.5 | 4536.0 | 4678.8 | 4888.7 | 5112.4 | 5238.0 | 5349.9 | 5282.8 | 5331.0 | 6134.6 | 5022.9 |
| 50° | 4828.5 | 4854.3 | 4969.6 | 5184.7 | 5296.5 | 5489.3 | 5632.1 | 5590.8 | 5575.3 | 6292.9 | 5195.0 |
| 52.5° | 4904.2 | 4981.6 | 5043.6 | 5312.0 | 5573.6 | 5878.2 | 6060.6 | 6148.3 | 5873.0 | 6346.2 | 5413.6 |
| 55° | 4332.9 | 4401.7 | 4620.3 | 4988.5 | 5678.6 | 6494.2 | 6745.4 | 6747.2 | 6261.9 | 6583.7 | 5566.7 |
| 57.5° | 3463.9 | 3324.5 | 3458.8 | 3849.4 | 4801.0 | 6468.4 | 7079.3 | 6998.4 | 6456.3 | 6444.3 | 5434.2 |
| 60° | 2395.3 | 2360.9 | 2369.5 | 2524.4 | 3322.8 | 5145.1 | 6308.4 | 6413.3 | 5945.3 | 5585.6 | 4301.9 |
| 62.5° | 1898.0 | 1868.8 | 1830.9 | 1813.7 | 2063.2 | 3205.8 | 4449.9 | 4597.9 | 4157.4 | 3622.2 | 2550.2 |
| 65° | 1486.7 | 1469.5 | 1474.7 | 1543.5 | 1541.8 | 1818.9 | 2433.2 | 2372.9 | 1899.7 | 1404.2 | 801.9 |
| 67.5° | 1003.2 | 1029.0 | 1049.7 | 1257.9 | 1364.6 | 1266.5 | 1175.3 | 1140.9 | 617.8 | 259.8 | 177.2 |
| 70° | 564.4 | 567.9 | 590.2 | 786.4 | 1035.9 | 982.6 | 810.5 | 810.5 | 308.0 | 94.6 | 101.5 |
| 72.5° | 308.0 | 297.7 | 277.0 | 339.0 | 461.2 | 468.1 | 361.4 | 314.9 | 91.2 | 61.9 | 56.8 |
| 75° | 149.7 | 148.0 | 127.3 | 105.0 | 99.8 | 82.6 | 63.7 | 58.5 | 41.3 | 39.6 | 34.4 |
| 77.5° | 31.0 | 29.3 | 15.5 | 15.5 | 17.2 | 18.9 | 24.1 | 24.1 | 29.3 | 29.3 | 24.1 |
| 80° | 0.0 | 0.0 | 1.7 | 6.9 | 12.0 | 17.2 | 20.6 | 20.6 | 24.1 | 24.1 | 18.9 |
| 82.5° | 0.0 | 0.0 | 1.7 | 5.2 | 10.3 | 15.5 | 18.9 | 20.6 | 24.1 | 25.8 | 20.6 |
| 85° | 0.0 | 0.0 | 0.0 | 3.4 | 8.6 | 12.0 | 10.3 | 10.3 | 8.6 | 6.9 | 3.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 |



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CATALOG NUMBER: GLAN-SA3B-735-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 | 4076.5 |
| 2.5° | 4016.3 | 4012.8 | 3933.7 | 3888.9 | 3808.1 | 3737.5 | 3680.7 | 3639.4 | 3639.4 | 3613.6 | 3589.5 |
| 5° | 3902.7 | 3873.5 | 3704.8 | 3596.4 | 3443.3 | 3329.7 | 3252.3 | 3192.0 | 3097.4 | 3123.2 | 3021.7 |
| 7.5° | 3761.6 | 3687.6 | 3463.9 | 3298.7 | 3087.1 | 2925.3 | 2760.1 | 2613.9 | 2472.8 | 2409.1 | 2443.5 |
| 10° | 3610.2 | 3481.1 | 3180.0 | 2918.4 | 2655.2 | 2359.2 | 2166.5 | 1932.4 | 1787.9 | 1779.3 | 1741.4 |
| 12.5° | 3450.2 | 3303.9 | 2937.4 | 2576.0 | 2230.1 | 1873.9 | 1579.7 | 1361.1 | 1263.0 | 1154.6 | 1175.3 |
| 15° | 3329.7 | 3112.9 | 2667.2 | 2231.8 | 1772.4 | 1412.8 | 1116.8 | 948.1 | 855.2 | 829.4 | 820.8 |
| 17.5° | 3198.9 | 2966.6 | 2391.9 | 1865.3 | 1390.4 | 1017.0 | 803.6 | 722.7 | 686.6 | 686.6 | 681.4 |
| 20° | 3063.0 | 2801.4 | 2118.3 | 1524.6 | 1042.8 | 758.9 | 643.6 | 617.8 | 616.0 | 614.3 | 614.3 |
| 22.5° | 2973.5 | 2612.1 | 1870.5 | 1211.4 | 786.4 | 607.4 | 559.3 | 548.9 | 555.8 | 576.5 | 576.5 |
| 25° | 2878.9 | 2429.7 | 1596.9 | 934.4 | 609.2 | 521.4 | 493.9 | 500.7 | 518.0 | 536.9 | 530.0 |
| 27.5° | 2782.5 | 2311.0 | 1338.8 | 733.0 | 499.0 | 456.0 | 445.7 | 461.2 | 480.1 | 497.3 | 492.1 |
| 30° | 2760.1 | 2183.7 | 1094.4 | 555.8 | 428.5 | 397.5 | 404.4 | 418.1 | 437.1 | 444.0 | 450.8 |
| 32.5° | 2794.5 | 2083.9 | 896.5 | 456.0 | 373.4 | 364.8 | 364.8 | 371.7 | 383.7 | 399.2 | 394.1 |
| 35° | 2892.6 | 2027.1 | 709.0 | 395.8 | 342.4 | 333.8 | 332.1 | 339.0 | 345.9 | 351.0 | 345.9 |
| 37.5° | 3042.3 | 1982.3 | 579.9 | 351.0 | 321.8 | 308.0 | 304.6 | 302.9 | 309.7 | 311.5 | 314.9 |
| 40° | 3233.3 | 2006.4 | 492.1 | 323.5 | 301.1 | 285.6 | 275.3 | 275.3 | 275.3 | 280.5 | 282.2 |
| 42.5° | 3439.8 | 2039.1 | 425.0 | 308.0 | 282.2 | 263.3 | 253.0 | 249.5 | 253.0 | 259.8 | 258.1 |
| 45° | 3656.6 | 2102.8 | 382.0 | 283.9 | 265.0 | 240.9 | 227.1 | 223.7 | 232.3 | 246.1 | 244.3 |
| 47.5° | 3859.7 | 2194.0 | 349.3 | 268.4 | 247.8 | 225.4 | 208.2 | 204.8 | 220.3 | 239.2 | 240.9 |
| 50° | 4062.7 | 2352.3 | 337.3 | 256.4 | 235.7 | 209.9 | 194.4 | 191.0 | 208.2 | 232.3 | 237.5 |
| 52.5° | 4296.8 | 2522.7 | 328.7 | 240.9 | 222.0 | 197.9 | 180.7 | 177.2 | 196.2 | 227.1 | 228.9 |
| 55° | 4449.9 | 2667.2 | 321.8 | 213.4 | 196.2 | 179.0 | 165.2 | 163.5 | 184.1 | 211.7 | 218.5 |
| 57.5° | 4271.0 | 2465.9 | 297.7 | 185.8 | 166.9 | 158.3 | 146.3 | 146.3 | 163.5 | 189.3 | 194.4 |
| 60° | 3238.5 | 1622.7 | 211.7 | 149.7 | 141.1 | 135.9 | 130.8 | 130.8 | 144.5 | 163.5 | 165.2 |
| 62.5° | 1896.3 | 874.2 | 135.9 | 120.5 | 120.5 | 115.3 | 106.7 | 106.7 | 120.5 | 130.8 | 132.5 |
| 65° | 562.7 | 280.5 | 110.1 | 103.2 | 101.5 | 92.9 | 84.3 | 82.6 | 92.9 | 98.1 | 96.4 |
| 67.5° | 161.8 | 129.1 | 91.2 | 86.0 | 84.3 | 70.6 | 65.4 | 63.7 | 65.4 | 61.9 | 60.2 |
| 70° | 96.4 | 87.8 | 70.6 | 72.3 | 63.7 | 51.6 | 46.5 | 44.7 | 41.3 | 36.1 | 32.7 |
| 72.5° | 53.3 | 53.3 | 51.6 | 55.1 | 44.7 | 34.4 | 29.3 | 24.1 | 18.9 | 15.5 | 13.8 |
| 75° | 32.7 | 34.4 | 36.1 | 37.9 | 29.3 | 22.4 | 18.9 | 12.0 | 6.9 | 3.4 | 3.4 |
| 77.5° | 22.4 | 24.1 | 25.8 | 27.5 | 24.1 | 20.6 | 15.5 | 8.6 | 1.7 | 0.0 | 0.0 |
| 80° | 17.2 | 18.9 | 22.4 | 24.1 | 25.8 | 27.5 | 20.6 | 8.6 | 1.7 | 0.0 | 0.0 |
| 82.5° | 18.9 | 20.6 | 25.8 | 24.1 | 24.1 | 24.1 | 18.9 | 8.6 | 1.7 | 0.0 | 0.0 |
| 85° | 3.4 | 5.2 | 8.6 | 8.6 | 12.0 | 15.5 | 12.0 | 3.4 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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)