

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: P649974

Luminaire Tested: **GLAN-SA6A-835-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-835-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11738.7 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

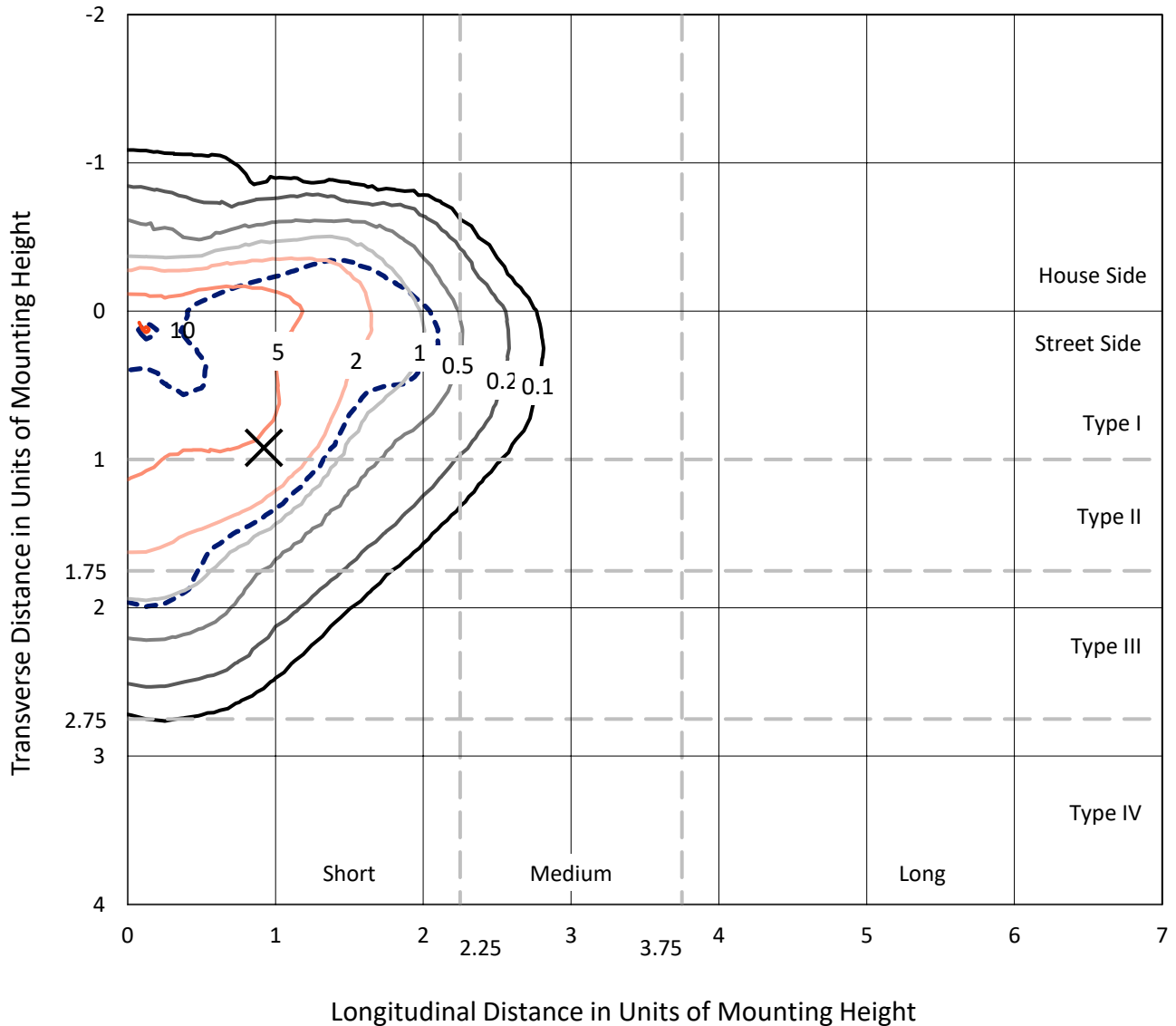
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P649974
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Iso-Footcandle Lines of Horizontal Illumination

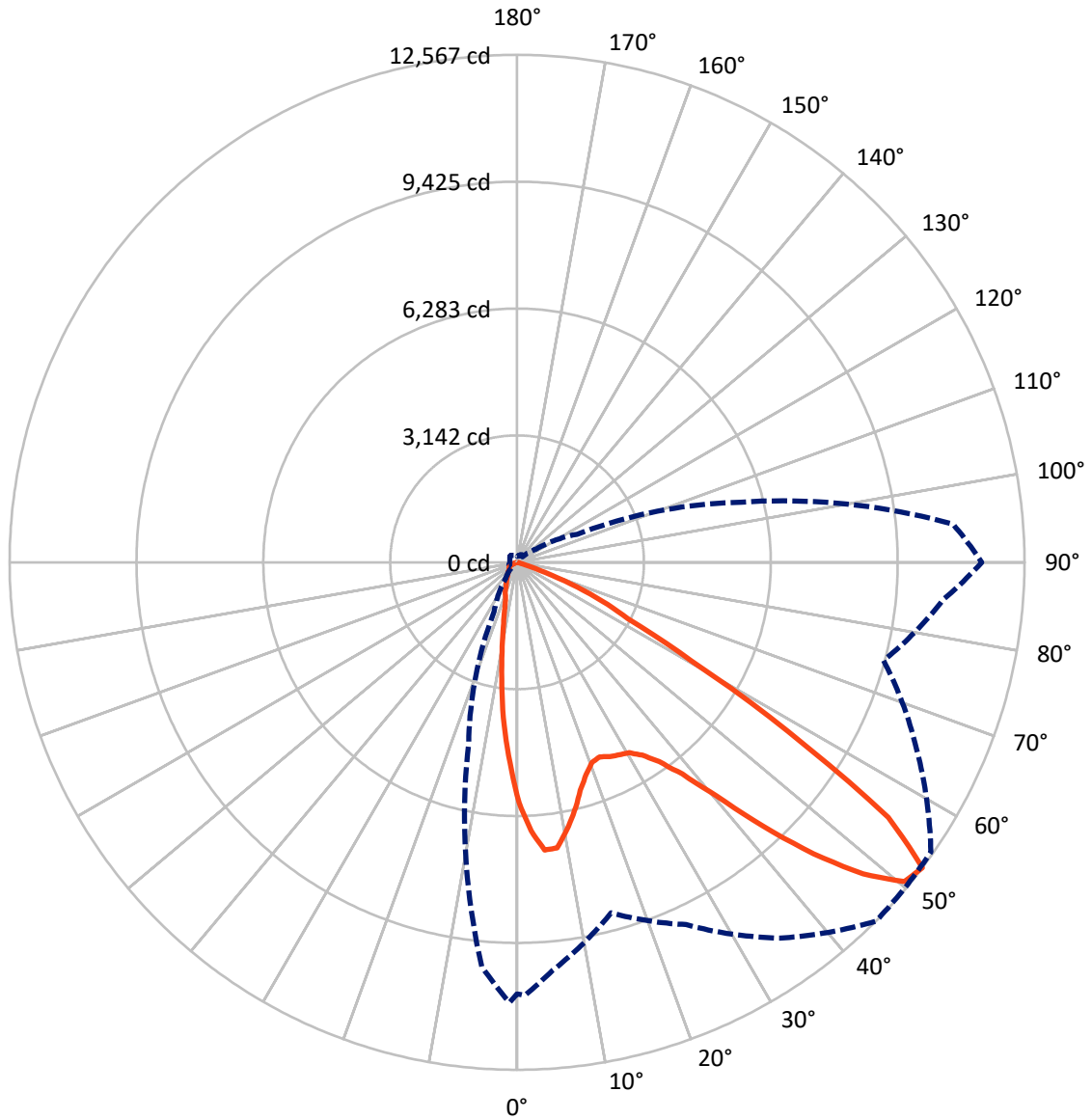
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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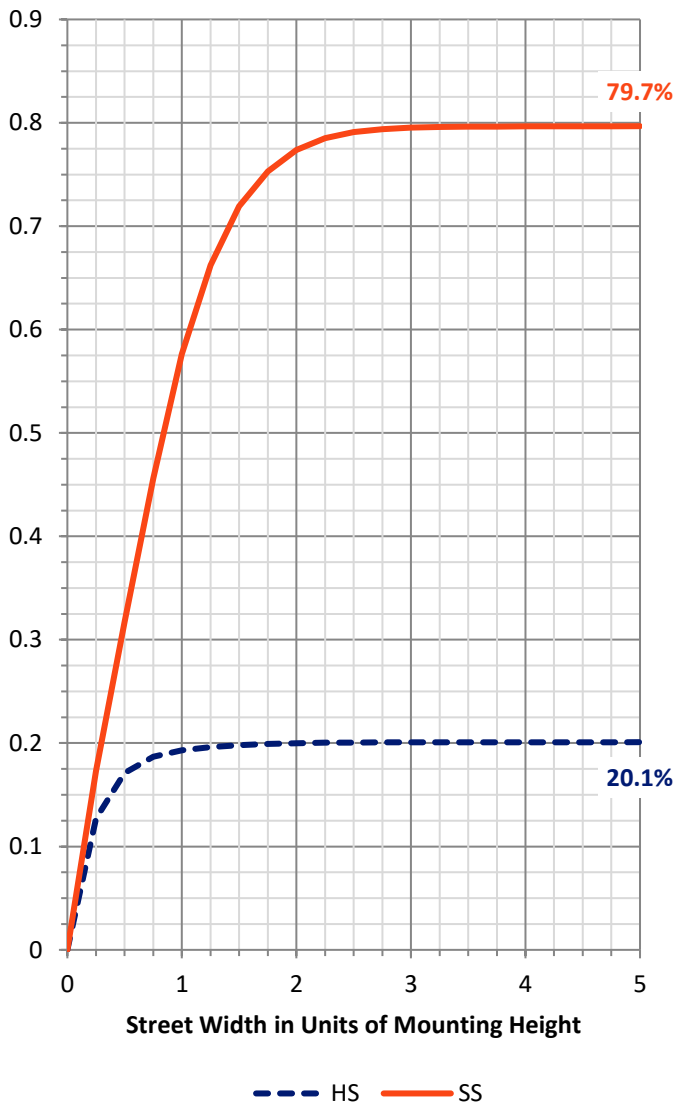
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2382.4 | 0.0 | 2382.4 |
| | % Fixture | 20.3 | 0.0 | 20.3 |
| Street Side | Lumens | 9356.3 | 0.0 | 9356.3 |
| | % Fixture | 79.7 | 0.0 | 79.7 |
| Total | Lumens | 11738.7 | 0.0 | 11738.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 434.1 | 3.7 |
| 10°-20° | 856.4 | 7.3 |
| 20°-30° | 1303.3 | 11.1 |
| 30°-40° | 1948.0 | 16.6 |
| 40°-50° | 2774.1 | 23.6 |
| 50°-60° | 2982.1 | 25.4 |
| 60°-70° | 1321.4 | 11.3 |
| 70°-80° | 106.9 | 0.9 |
| 80°-90° | 12.4 | 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° | 11738.7 | 100.0 |
| 0°-180° | 11738.7 | 100.0 |



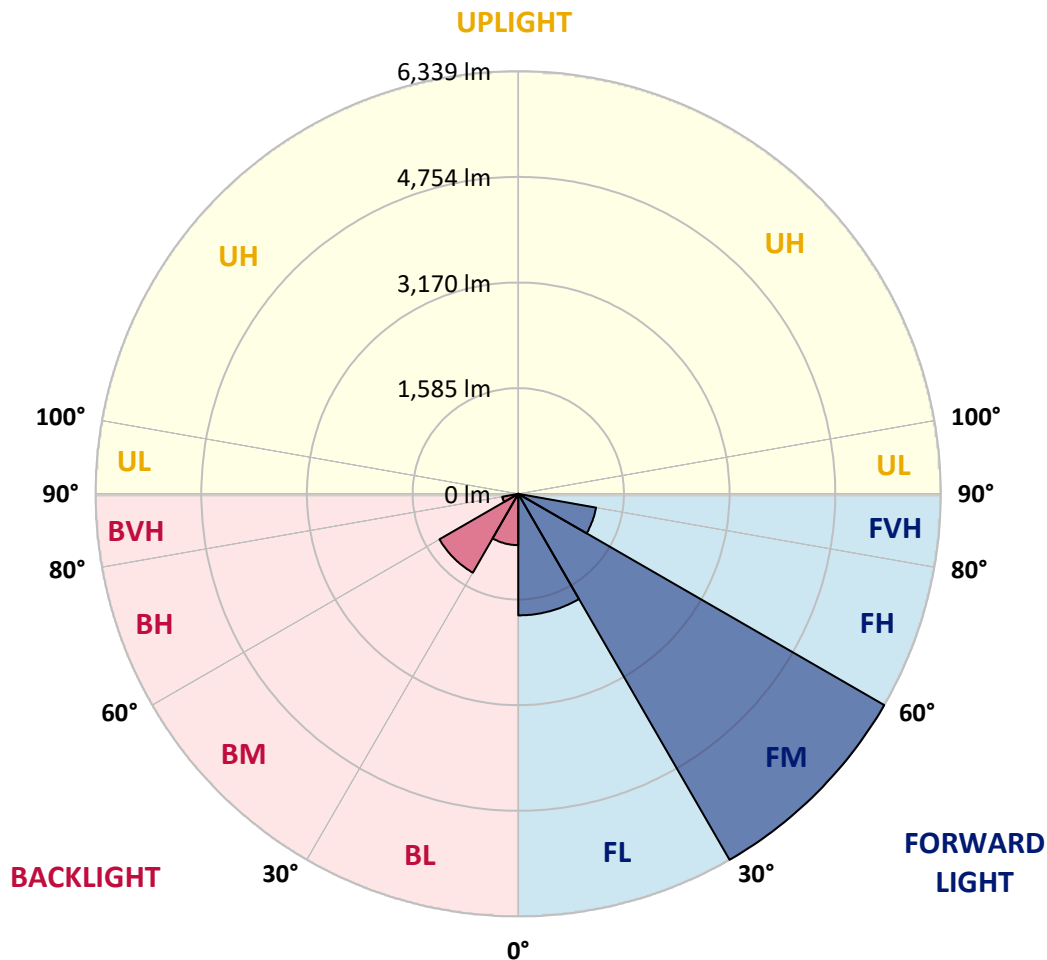
REPORT NUMBER: P649974
 CATALOG NUMBER: GLAN-SA6A-835-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1823.3 | 15.5 | | | |
| FM | (30°-60°) | 6339.3 | 54.0 | | | |
| FH | (60°-80°) | 1184.6 | 10.1 | | | G1/1800 |
| FVH | (80°-90°) | 9.2 | 0.1 | | | G0/10 |
| BL | (0°-30°) | 770.6 | 6.6 | B2/1000 | | |
| BM | (30°-60°) | 1364.8 | 11.6 | B2/2500 | | |
| BH | (60°-80°) | 243.7 | 2.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 3.2 | 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 III Short





REPORT NUMBER: P649974

CATALOG NUMBER: GLAN-SA6A-835-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|---------|---------|---------|---------|--------|---------|
| 0° | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 |
| 2.5° | 6298.4 | 6316.9 | 6418.5 | 6545.4 | 6612.4 | 6764.8 | 6658.6 | 6686.3 | 6628.6 | 6425.4 | 6266.1 |
| 5° | 6106.8 | 6104.5 | 6233.8 | 6547.8 | 6845.6 | 7148.0 | 7157.2 | 6995.6 | 6711.6 | 6400.0 | 5954.4 |
| 7.5° | 5529.5 | 5619.6 | 5753.6 | 6254.5 | 6806.3 | 7032.6 | 7141.1 | 6951.8 | 6515.4 | 6069.8 | 5587.3 |
| 10° | 5093.2 | 5139.4 | 5365.7 | 5970.5 | 6374.6 | 6677.0 | 6744.0 | 6635.5 | 6300.7 | 5744.3 | 5204.1 |
| 12.5° | 4841.5 | 4864.6 | 5130.1 | 5638.1 | 6065.2 | 6289.1 | 6321.5 | 6372.3 | 6132.1 | 5610.4 | 4961.6 |
| 15° | 4843.9 | 4862.4 | 5220.2 | 5645.0 | 5813.5 | 5753.6 | 5859.7 | 5857.4 | 5961.3 | 5585.0 | 5164.7 |
| 17.5° | 5192.5 | 5213.3 | 5536.5 | 5746.6 | 5672.8 | 5531.9 | 5524.9 | 5631.2 | 5850.5 | 5901.3 | 5471.8 |
| 20° | 5792.8 | 5841.3 | 6079.1 | 6067.5 | 5651.9 | 5367.9 | 5289.5 | 5370.3 | 5880.5 | 6169.1 | 6090.6 |
| 22.5° | 6600.8 | 6667.8 | 6834.0 | 6515.4 | 5746.6 | 5257.1 | 5231.8 | 5388.8 | 6079.1 | 6767.1 | 6792.5 |
| 25° | 7538.3 | 7651.4 | 7732.2 | 7323.5 | 6083.7 | 5448.7 | 5328.7 | 5598.8 | 6346.9 | 7415.9 | 7686.0 |
| 27.5° | 8159.3 | 8277.0 | 8258.6 | 7674.4 | 6310.0 | 5499.6 | 5398.0 | 5649.7 | 6580.1 | 7570.6 | 8152.4 |
| 30° | 8644.2 | 8715.7 | 8845.0 | 7863.7 | 6536.2 | 5642.7 | 5469.6 | 5864.4 | 6656.3 | 7838.4 | 8715.7 |
| 32.5° | 9209.8 | 9258.3 | 9267.5 | 8198.6 | 6884.8 | 5822.8 | 5691.2 | 6132.1 | 6993.4 | 8094.7 | 9214.4 |
| 35° | 9780.1 | 9851.6 | 9701.6 | 8611.8 | 7099.5 | 6157.6 | 6060.6 | 6596.2 | 7263.5 | 8360.2 | 9763.9 |
| 37.5° | 10398.9 | 10435.7 | 10089.4 | 8782.7 | 7406.6 | 6702.5 | 6649.3 | 7097.3 | 7732.2 | 8840.4 | 10373.4 |
| 40° | 10918.3 | 10952.9 | 10502.7 | 8992.8 | 7729.9 | 7464.3 | 7600.6 | 8053.1 | 8369.4 | 9152.1 | 10678.2 |
| 42.5° | 11206.9 | 11287.7 | 10641.3 | 8877.3 | 8378.6 | 8327.8 | 8932.8 | 9092.0 | 9108.2 | 9239.8 | 10950.6 |
| 45° | 11285.4 | 11248.5 | 10412.6 | 8972.0 | 8946.6 | 9747.7 | 10297.2 | 10507.3 | 9842.4 | 9401.4 | 11019.9 |
| 47.5° | 10922.9 | 10971.4 | 10075.6 | 8888.9 | 9692.4 | 10823.6 | 11534.8 | 11924.9 | 10389.6 | 9260.6 | 10849.0 |
| 50° | 10629.7 | 10567.4 | 9967.1 | 8828.9 | 9893.2 | 11331.6 | 12428.2 | 12516.0 | 10892.9 | 9433.7 | 10662.0 |
| 52.5° | 10687.4 | 10726.7 | 10140.2 | 8988.1 | 9897.8 | 11361.6 | 12566.8 | 12506.8 | 10909.1 | 9394.5 | 10595.1 |
| 55° | 10809.8 | 10636.7 | 10066.3 | 8637.2 | 9235.2 | 10523.5 | 11153.8 | 11061.4 | 10068.7 | 8976.6 | 10431.1 |
| 57.5° | 9327.6 | 9595.4 | 9256.0 | 7711.4 | 7579.8 | 7928.4 | 7916.8 | 8200.8 | 7510.5 | 7725.2 | 9496.1 |
| 60° | 7570.6 | 7616.7 | 7743.7 | 6596.2 | 5245.6 | 5125.5 | 4959.3 | 4779.2 | 5054.0 | 6605.5 | 8637.2 |
| 62.5° | 6658.6 | 6603.2 | 7055.7 | 6000.6 | 3703.3 | 3100.7 | 3073.0 | 3183.8 | 3899.6 | 6300.7 | 8101.5 |
| 65° | 4839.3 | 4908.5 | 5236.4 | 4656.8 | 2779.8 | 2366.5 | 2325.0 | 2652.8 | 3156.1 | 5049.3 | 6183.0 |
| 67.5° | 2955.3 | 3089.2 | 3119.2 | 2872.1 | 1886.3 | 1498.4 | 1438.4 | 1736.2 | 2278.8 | 3267.0 | 3624.8 |
| 70° | 1364.5 | 1526.1 | 1678.5 | 1567.6 | 1092.1 | 616.5 | 581.8 | 729.6 | 1149.8 | 1879.4 | 1923.2 |
| 72.5° | 413.3 | 415.6 | 581.8 | 607.2 | 353.2 | 138.5 | 122.4 | 161.6 | 390.2 | 621.1 | 653.4 |
| 75° | 30.0 | 32.3 | 78.5 | 90.0 | 66.9 | 34.6 | 37.0 | 43.8 | 83.2 | 138.5 | 103.9 |
| 77.5° | 2.3 | 2.3 | 2.3 | 11.5 | 20.7 | 23.1 | 30.0 | 34.6 | 43.8 | 50.8 | 46.2 |
| 80° | 2.3 | 0.0 | 2.3 | 9.2 | 16.1 | 23.1 | 27.7 | 32.3 | 34.6 | 39.2 | 34.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 6.9 | 16.1 | 23.1 | 25.4 | 34.6 | 39.2 | 46.2 | 39.2 |
| 85° | 0.0 | 0.0 | 0.0 | 6.9 | 16.1 | 25.4 | 23.1 | 11.5 | 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 |



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CATALOG NUMBER: GLAN-SA6A-835-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 |
| 2.5° | 6293.8 | 6203.7 | 5998.2 | 5894.3 | 5649.7 | 5615.0 | 5374.9 | 5335.6 | 5254.8 | 5210.9 | 5104.8 |
| 5° | 5758.2 | 5649.7 | 5314.8 | 5033.2 | 4705.4 | 4476.7 | 4301.3 | 4142.0 | 4049.6 | 3964.2 | 4003.5 |
| 7.5° | 5321.8 | 5005.5 | 4633.8 | 4162.7 | 3784.2 | 3539.4 | 3271.5 | 3052.2 | 2922.9 | 2835.2 | 2856.0 |
| 10° | 4864.6 | 4659.2 | 4142.0 | 3613.3 | 3156.1 | 2983.0 | 2772.8 | 2604.3 | 2421.9 | 2264.9 | 2191.1 |
| 12.5° | 4721.5 | 4416.7 | 3768.0 | 3230.0 | 2883.7 | 2715.1 | 2475.1 | 2281.1 | 2047.9 | 1856.3 | 1789.3 |
| 15° | 4746.9 | 4453.7 | 3666.4 | 3091.5 | 2682.8 | 2391.9 | 2105.6 | 1865.5 | 1609.2 | 1475.3 | 1406.0 |
| 17.5° | 5160.2 | 4652.2 | 3733.3 | 2946.0 | 2403.5 | 1999.4 | 1646.2 | 1341.4 | 1149.8 | 1011.2 | 981.3 |
| 20° | 5668.1 | 5081.7 | 3876.5 | 2839.8 | 2174.9 | 1590.7 | 1202.9 | 939.7 | 780.3 | 757.3 | 750.3 |
| 22.5° | 6411.5 | 5783.6 | 4183.6 | 2768.2 | 1895.5 | 1239.8 | 824.3 | 683.4 | 639.6 | 634.9 | 637.2 |
| 25° | 7450.5 | 6663.2 | 4518.3 | 2708.2 | 1685.4 | 955.8 | 674.2 | 579.5 | 565.6 | 558.7 | 570.3 |
| 27.5° | 7900.7 | 7194.2 | 4696.1 | 2579.0 | 1493.8 | 861.1 | 664.9 | 574.9 | 535.7 | 524.1 | 531.0 |
| 30° | 8457.1 | 7547.5 | 4975.5 | 2357.3 | 1212.1 | 708.8 | 621.1 | 625.7 | 607.2 | 549.5 | 531.0 |
| 32.5° | 9195.9 | 7988.5 | 5116.3 | 2200.3 | 1082.8 | 586.5 | 454.8 | 417.9 | 466.4 | 475.6 | 491.8 |
| 35° | 9669.3 | 8436.4 | 5187.8 | 2107.9 | 1015.9 | 501.0 | 385.5 | 350.9 | 339.4 | 341.7 | 350.9 |
| 37.5° | 10548.9 | 9041.2 | 5277.9 | 2011.0 | 965.0 | 436.4 | 348.6 | 316.3 | 300.1 | 300.1 | 309.4 |
| 40° | 11075.3 | 9521.5 | 5400.3 | 1957.9 | 914.3 | 397.1 | 316.3 | 288.6 | 274.8 | 274.8 | 279.4 |
| 42.5° | 11206.9 | 9759.3 | 5358.7 | 1939.4 | 856.6 | 387.9 | 288.6 | 267.8 | 251.7 | 249.4 | 247.0 |
| 45° | 11442.4 | 10121.8 | 5365.7 | 1918.6 | 796.5 | 353.2 | 272.4 | 249.4 | 226.3 | 223.9 | 221.7 |
| 47.5° | 11701.0 | 10382.7 | 5379.5 | 1837.8 | 738.8 | 295.5 | 284.0 | 230.9 | 203.2 | 198.6 | 198.6 |
| 50° | 11479.3 | 10590.5 | 5499.6 | 1757.0 | 664.9 | 240.1 | 279.4 | 217.0 | 180.1 | 173.1 | 175.5 |
| 52.5° | 11507.0 | 10835.2 | 5753.6 | 1643.8 | 572.6 | 191.6 | 226.3 | 205.5 | 164.0 | 152.4 | 154.7 |
| 55° | 11063.8 | 10576.6 | 5788.2 | 1523.8 | 447.9 | 147.8 | 173.1 | 180.1 | 138.5 | 133.9 | 133.9 |
| 57.5° | 9523.8 | 8955.8 | 5107.0 | 1235.2 | 295.5 | 122.4 | 124.7 | 157.0 | 120.0 | 115.4 | 117.8 |
| 60° | 8150.1 | 7189.6 | 4109.7 | 815.0 | 184.7 | 96.9 | 90.0 | 159.3 | 106.2 | 103.9 | 110.8 |
| 62.5° | 7429.7 | 5908.2 | 3116.9 | 505.7 | 127.0 | 73.9 | 62.3 | 129.3 | 92.3 | 92.3 | 101.6 |
| 65° | 5367.9 | 3968.8 | 1812.4 | 265.5 | 90.0 | 57.7 | 46.2 | 73.9 | 76.2 | 78.5 | 83.2 |
| 67.5° | 3324.7 | 2004.0 | 764.2 | 129.3 | 60.1 | 39.2 | 30.0 | 46.2 | 50.8 | 50.8 | 55.4 |
| 70° | 1641.6 | 798.8 | 254.0 | 73.9 | 46.2 | 32.3 | 20.7 | 25.4 | 25.4 | 23.1 | 25.4 |
| 72.5° | 507.9 | 240.1 | 64.7 | 46.2 | 32.3 | 20.7 | 11.5 | 9.2 | 4.6 | 0.0 | 2.3 |
| 75° | 57.7 | 46.2 | 41.6 | 32.3 | 20.7 | 9.2 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 34.6 | 39.2 | 39.2 | 32.3 | 20.7 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 27.7 | 30.0 | 32.3 | 30.0 | 18.5 | 9.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 34.6 | 39.2 | 43.8 | 39.2 | 25.4 | 11.5 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 2.3 | 0.0 | 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 |



REPORT NUMBER: P649974

CATALOG NUMBER: GLAN-SA6A-835-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 |
| 2.5° | 5060.9 | 5010.1 | 5081.7 | 4975.5 | 4973.1 | 4975.5 | 4945.4 | 4917.7 | 4961.6 | 5079.3 | 5090.9 |
| 5° | 3862.6 | 3971.1 | 4005.7 | 4118.9 | 4056.6 | 3964.2 | 3982.7 | 3920.3 | 4072.7 | 4139.6 | 4086.6 |
| 7.5° | 2812.1 | 2805.2 | 3038.4 | 3052.2 | 3082.3 | 3084.6 | 3079.9 | 2957.5 | 2832.9 | 2860.6 | 2943.7 |
| 10° | 2181.8 | 2064.1 | 2177.2 | 2165.6 | 2239.5 | 2218.8 | 2248.8 | 2117.2 | 2161.0 | 2161.0 | 2214.2 |
| 12.5° | 1777.8 | 1653.1 | 1632.3 | 1602.3 | 1632.3 | 1643.8 | 1655.4 | 1630.0 | 1703.9 | 1738.5 | 1775.5 |
| 15° | 1357.6 | 1288.3 | 1269.9 | 1212.1 | 1221.3 | 1253.7 | 1281.4 | 1292.9 | 1269.9 | 1323.0 | 1327.6 |
| 17.5° | 985.9 | 983.5 | 995.1 | 992.8 | 983.5 | 976.6 | 974.3 | 944.3 | 935.1 | 939.7 | 958.2 |
| 20° | 748.1 | 766.6 | 805.8 | 845.0 | 865.8 | 840.4 | 805.8 | 755.0 | 734.2 | 738.8 | 741.1 |
| 22.5° | 639.6 | 667.3 | 720.4 | 764.2 | 785.0 | 738.8 | 676.5 | 632.6 | 623.3 | 621.1 | 618.7 |
| 25° | 579.5 | 611.8 | 651.1 | 664.9 | 662.7 | 634.9 | 588.7 | 570.3 | 565.6 | 561.0 | 540.3 |
| 27.5° | 547.2 | 558.7 | 565.6 | 581.8 | 588.7 | 570.3 | 558.7 | 531.0 | 526.4 | 526.4 | 512.6 |
| 30° | 528.7 | 521.8 | 531.0 | 519.4 | 528.7 | 514.9 | 517.2 | 517.2 | 505.7 | 510.3 | 510.3 |
| 32.5° | 491.8 | 494.1 | 494.1 | 471.0 | 477.9 | 461.7 | 477.9 | 491.8 | 494.1 | 496.4 | 514.9 |
| 35° | 360.2 | 401.8 | 422.5 | 422.5 | 429.5 | 417.9 | 415.6 | 399.4 | 378.7 | 357.8 | 348.6 |
| 37.5° | 316.3 | 332.5 | 360.2 | 376.3 | 387.9 | 378.7 | 357.8 | 332.5 | 321.0 | 311.7 | 302.5 |
| 40° | 281.6 | 295.5 | 314.0 | 332.5 | 355.6 | 344.1 | 311.7 | 300.1 | 286.3 | 286.3 | 277.0 |
| 42.5° | 254.0 | 260.9 | 272.4 | 300.1 | 325.6 | 302.5 | 279.4 | 270.1 | 263.2 | 260.9 | 258.5 |
| 45° | 228.6 | 230.9 | 242.4 | 265.5 | 295.5 | 272.4 | 249.4 | 237.8 | 240.1 | 242.4 | 240.1 |
| 47.5° | 205.5 | 210.1 | 217.0 | 244.8 | 263.2 | 251.7 | 226.3 | 219.3 | 219.3 | 219.3 | 221.7 |
| 50° | 177.7 | 189.3 | 203.2 | 226.3 | 240.1 | 233.2 | 212.4 | 203.2 | 198.6 | 198.6 | 200.8 |
| 52.5° | 159.3 | 168.6 | 187.0 | 214.7 | 233.2 | 221.7 | 200.8 | 187.0 | 177.7 | 175.5 | 180.1 |
| 55° | 138.5 | 154.7 | 184.7 | 205.5 | 230.9 | 219.3 | 196.2 | 180.1 | 164.0 | 161.6 | 161.6 |
| 57.5° | 124.7 | 150.1 | 177.7 | 203.2 | 223.9 | 214.7 | 196.2 | 175.5 | 154.7 | 152.4 | 152.4 |
| 60° | 117.8 | 145.5 | 173.1 | 196.2 | 223.9 | 210.1 | 193.9 | 170.9 | 147.8 | 147.8 | 145.5 |
| 62.5° | 110.8 | 136.2 | 164.0 | 187.0 | 214.7 | 203.2 | 187.0 | 164.0 | 140.9 | 140.9 | 136.2 |
| 65° | 92.3 | 117.8 | 136.2 | 157.0 | 187.0 | 175.5 | 159.3 | 143.1 | 124.7 | 120.0 | 122.4 |
| 67.5° | 64.7 | 80.8 | 99.3 | 120.0 | 138.5 | 133.9 | 127.0 | 115.4 | 99.3 | 96.9 | 94.7 |
| 70° | 32.3 | 43.8 | 60.1 | 80.8 | 96.9 | 92.3 | 87.7 | 78.5 | 69.3 | 66.9 | 66.9 |
| 72.5° | 4.6 | 13.9 | 25.4 | 37.0 | 50.8 | 53.1 | 50.8 | 48.5 | 46.2 | 43.8 | 46.2 |
| 75° | 0.0 | 0.0 | 0.0 | 9.2 | 20.7 | 25.4 | 30.0 | 34.6 | 34.6 | 30.0 | 37.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 11.5 | 23.1 | 30.0 | 37.0 | 32.3 | 43.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 13.9 | 23.1 | 32.3 | 37.0 | 32.3 | 46.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 16.1 | 23.1 | 30.0 | 34.6 | 32.3 | 41.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 13.9 | 9.2 | 4.6 | 2.3 | 2.3 | 6.9 |
| 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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| 0° | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 | 5952.1 |
| 2.5° | 5155.6 | 5319.5 | 5494.9 | 5561.9 | 5769.7 | 5926.7 | 6032.9 | 6261.5 | 6296.1 | 6298.4 |
| 5° | 4142.0 | 4225.1 | 4525.3 | 4666.1 | 4975.5 | 5215.6 | 5471.8 | 5841.3 | 6088.3 | 6106.8 |
| 7.5° | 2943.7 | 3174.6 | 3301.6 | 3668.7 | 4049.6 | 4426.0 | 4806.9 | 5236.4 | 5522.7 | 5529.5 |
| 10° | 2368.8 | 2518.9 | 2745.2 | 3019.9 | 3340.8 | 3724.1 | 4232.0 | 4730.7 | 5021.6 | 5093.2 |
| 12.5° | 1907.1 | 2170.2 | 2428.9 | 2712.9 | 2957.5 | 3246.2 | 3793.3 | 4458.3 | 4698.4 | 4841.5 |
| 15° | 1468.4 | 1708.5 | 2013.2 | 2345.7 | 2622.8 | 3008.4 | 3631.7 | 4391.3 | 4795.4 | 4843.9 |
| 17.5° | 1082.8 | 1297.5 | 1579.2 | 1893.2 | 2308.8 | 2856.0 | 3659.4 | 4730.7 | 5111.7 | 5192.5 |
| 20° | 778.1 | 902.7 | 1124.4 | 1489.2 | 2017.9 | 2678.2 | 3687.1 | 5074.8 | 5654.3 | 5792.8 |
| 22.5° | 616.5 | 667.3 | 812.7 | 1135.9 | 1692.4 | 2491.2 | 3883.4 | 5732.7 | 6400.0 | 6600.8 |
| 25° | 535.7 | 563.4 | 632.6 | 895.8 | 1486.8 | 2472.7 | 4197.4 | 6522.4 | 7392.8 | 7538.3 |
| 27.5° | 517.2 | 521.8 | 581.8 | 821.9 | 1376.0 | 2350.3 | 4317.5 | 7083.4 | 8011.5 | 8159.3 |
| 30° | 544.9 | 618.7 | 623.3 | 694.9 | 1170.6 | 2107.9 | 4379.8 | 7626.0 | 8535.6 | 8644.2 |
| 32.5° | 471.0 | 447.9 | 464.1 | 537.9 | 1029.7 | 1967.1 | 4497.6 | 8099.3 | 9133.6 | 9209.8 |
| 35° | 327.8 | 344.1 | 380.9 | 466.4 | 900.4 | 1819.3 | 4527.5 | 8621.1 | 9701.6 | 9780.1 |
| 37.5° | 302.5 | 311.7 | 341.7 | 397.1 | 791.9 | 1736.2 | 4486.0 | 9002.0 | 10290.3 | 10398.9 |
| 40° | 281.6 | 293.2 | 309.4 | 360.2 | 711.1 | 1643.8 | 4428.3 | 9346.0 | 10650.5 | 10918.3 |
| 42.5° | 265.5 | 274.8 | 288.6 | 344.1 | 641.8 | 1551.5 | 4347.5 | 9830.9 | 10973.7 | 11206.9 |
| 45° | 247.0 | 260.9 | 277.0 | 334.8 | 602.6 | 1489.2 | 4287.5 | 9800.9 | 11160.7 | 11285.4 |
| 47.5° | 228.6 | 251.7 | 270.1 | 311.7 | 591.1 | 1459.2 | 4312.8 | 9687.7 | 11008.4 | 10922.9 |
| 50° | 210.1 | 240.1 | 272.4 | 258.5 | 563.4 | 1399.1 | 4342.8 | 9842.4 | 10645.9 | 10629.7 |
| 52.5° | 193.9 | 228.6 | 254.0 | 212.4 | 501.0 | 1341.4 | 4633.8 | 10045.6 | 10902.2 | 10687.4 |
| 55° | 170.9 | 205.5 | 203.2 | 170.9 | 406.4 | 1297.5 | 4862.4 | 10050.2 | 10729.0 | 10809.8 |
| 57.5° | 154.7 | 182.4 | 159.3 | 143.1 | 300.1 | 1085.2 | 4490.6 | 8427.1 | 9184.4 | 9327.6 |
| 60° | 143.1 | 177.7 | 120.0 | 113.1 | 196.2 | 782.7 | 3920.3 | 6527.0 | 7300.5 | 7570.6 |
| 62.5° | 131.6 | 168.6 | 94.7 | 92.3 | 136.2 | 556.4 | 3223.1 | 5462.6 | 6291.5 | 6658.6 |
| 65° | 115.4 | 120.0 | 76.2 | 71.6 | 96.9 | 300.1 | 1962.5 | 3761.1 | 4703.0 | 4839.3 |
| 67.5° | 94.7 | 92.3 | 62.3 | 57.7 | 64.7 | 145.5 | 865.8 | 1884.0 | 2726.7 | 2955.3 |
| 70° | 76.2 | 76.2 | 53.1 | 46.2 | 46.2 | 66.9 | 226.3 | 750.3 | 1232.9 | 1364.5 |
| 72.5° | 55.4 | 57.7 | 41.6 | 37.0 | 34.6 | 32.3 | 37.0 | 150.1 | 323.2 | 413.3 |
| 75° | 48.5 | 50.8 | 41.6 | 32.3 | 25.4 | 20.7 | 16.1 | 13.9 | 18.5 | 30.0 |
| 77.5° | 53.1 | 53.1 | 43.8 | 30.0 | 23.1 | 16.1 | 9.2 | 4.6 | 4.6 | 2.3 |
| 80° | 66.9 | 69.3 | 57.7 | 39.2 | 27.7 | 18.5 | 11.5 | 4.6 | 2.3 | 2.3 |
| 82.5° | 71.6 | 78.5 | 64.7 | 48.5 | 34.6 | 20.7 | 11.5 | 2.3 | 0.0 | 0.0 |
| 85° | 18.5 | 30.0 | 50.8 | 43.8 | 34.6 | 20.7 | 11.5 | 2.3 | 0.0 | 0.0 |
| 87.5° | 0.0 | 2.3 | 6.9 | 6.9 | 9.2 | 9.2 | 6.9 | 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 |

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