

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: P650087

Luminaire Tested: **GLAN-SA8A-835-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-835-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24923.7 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

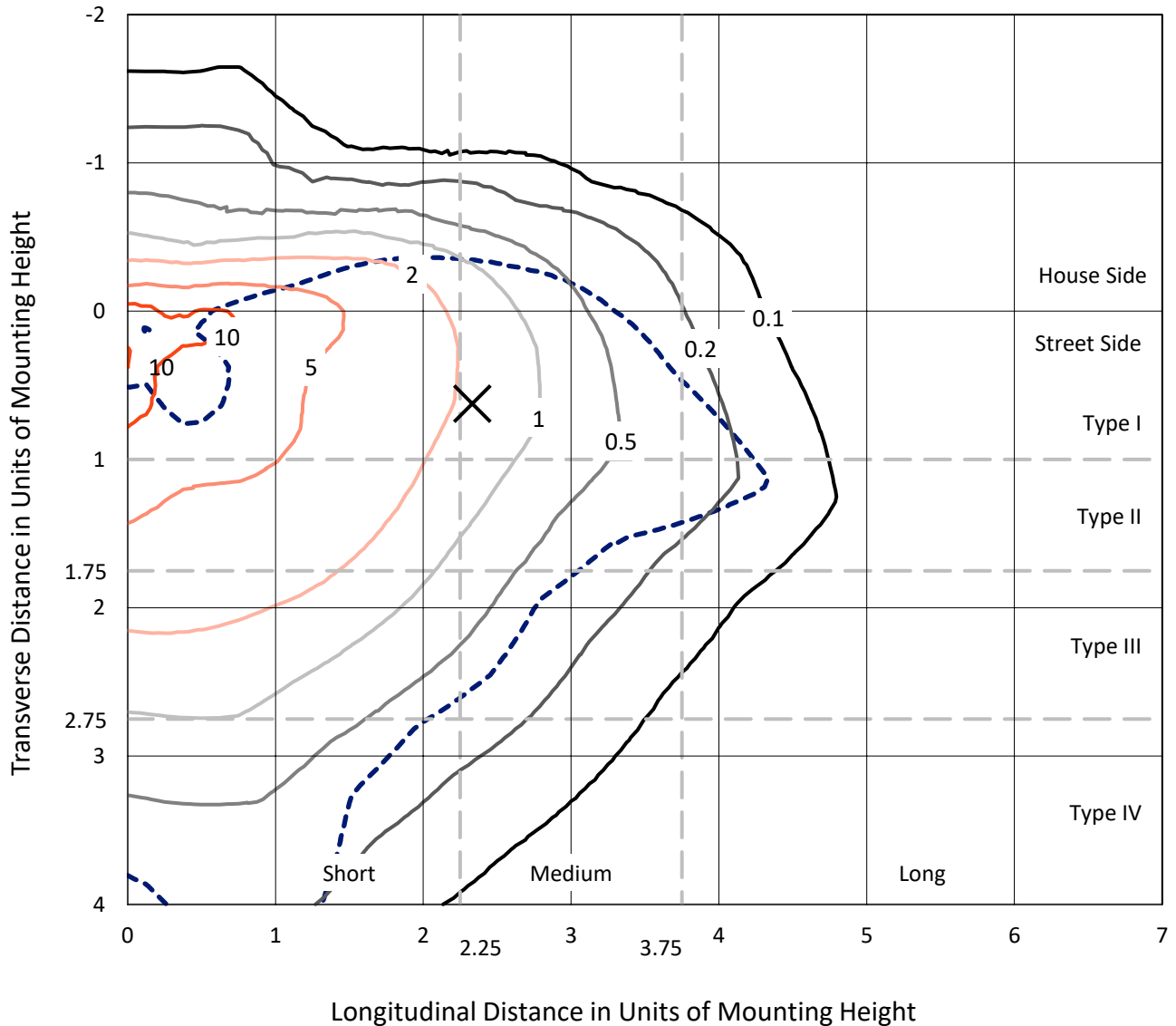
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

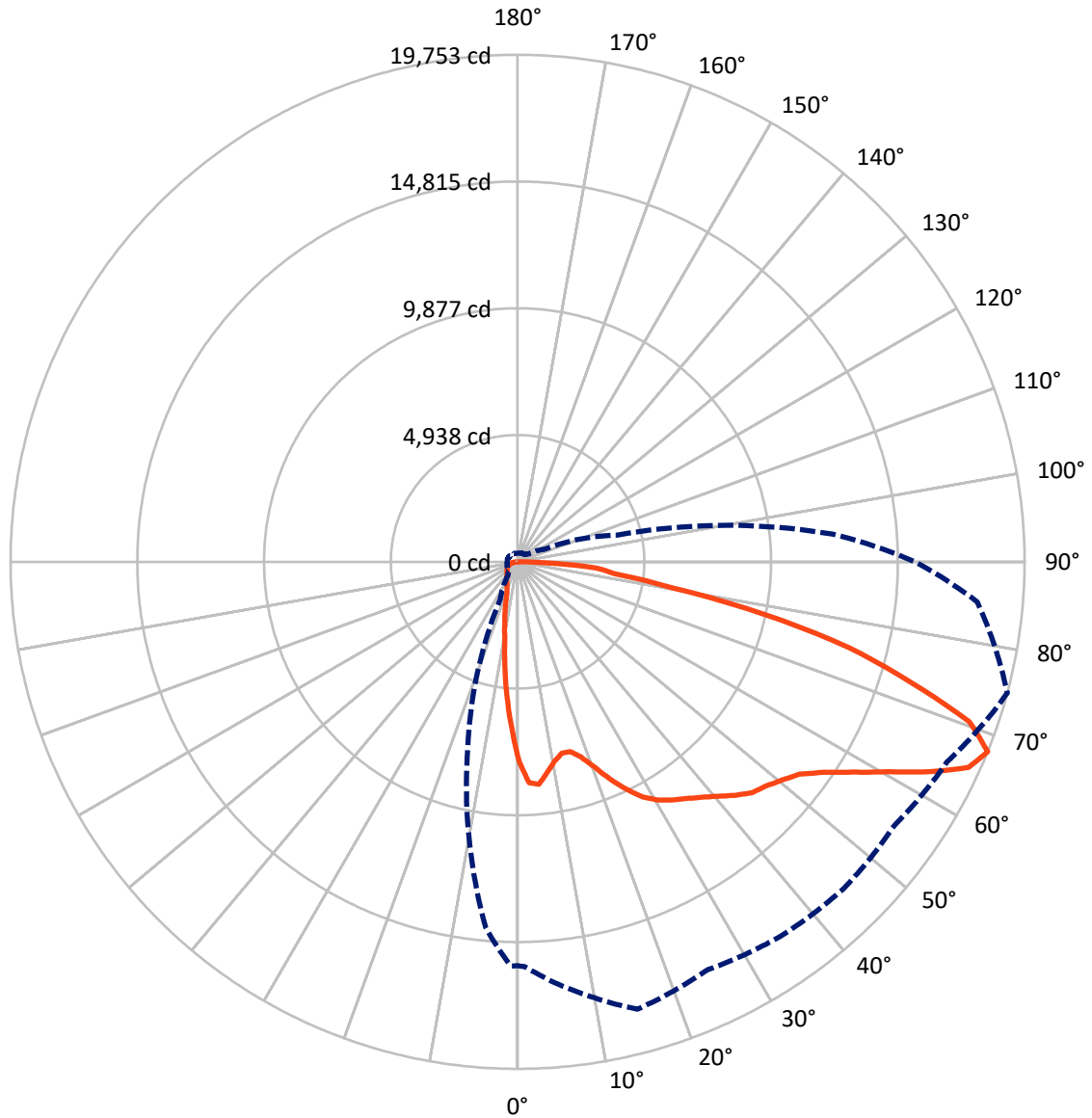
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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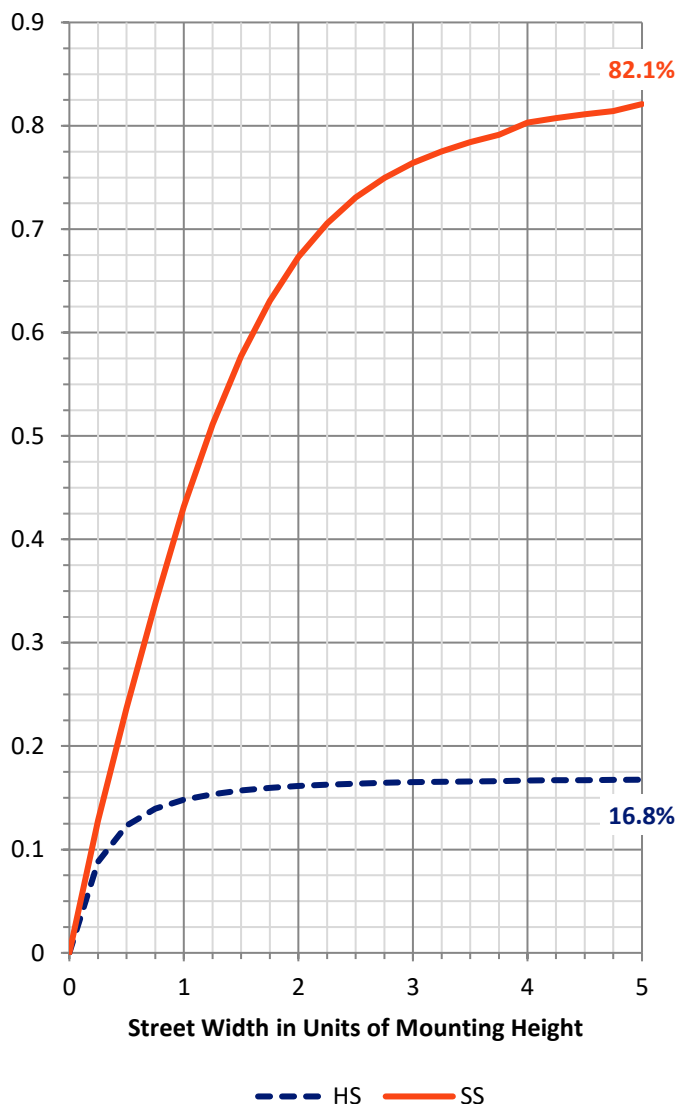
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4212.6 | 0.0 | 4212.6 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 20711.0 | 0.0 | 20711.0 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 24923.7 | 0.0 | 24923.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 590.6 | 2.4 |
| 10°-20° | 1231.7 | 4.9 |
| 20°-30° | 1772.5 | 7.1 |
| 30°-40° | 2552.8 | 10.2 |
| 40°-50° | 3586.0 | 14.4 |
| 50°-60° | 5001.3 | 20.1 |
| 60°-70° | 5946.2 | 23.9 |
| 70°-80° | 3502.0 | 14.1 |
| 80°-90° | 740.5 | 3.0 |
| 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° | 24923.7 | 100.0 |
| 0°-180° | 24923.7 | 100.0 |

Coefficient of Utilization

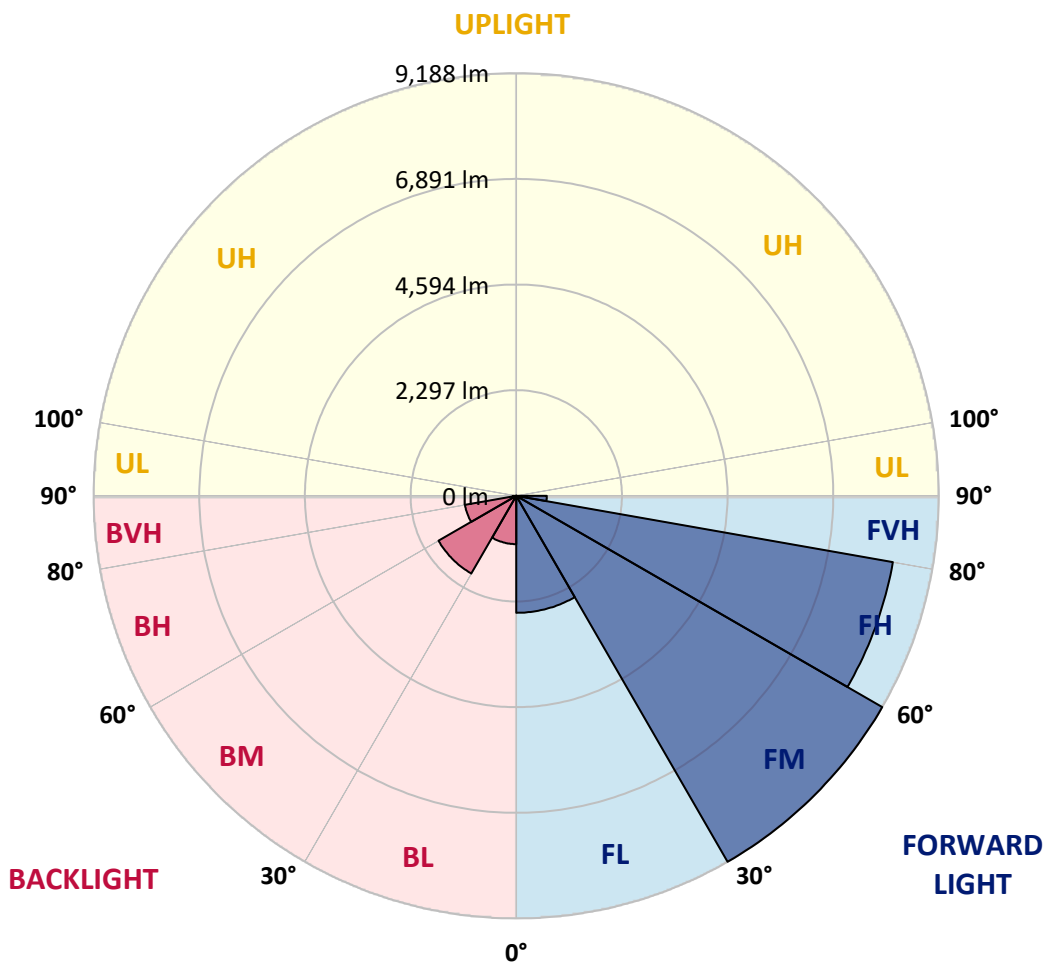


REPORT NUMBER: P650087
 CATALOG NUMBER: GLAN-SA8A-835-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2544.0 | 10.2 | | | |
| FM (30°-60°) | 9188.4 | 36.9 | | | |
| FH (60°-80°) | 8314.6 | 33.4 | | | G4/12000 |
| FVH (80°-90°) | 663.9 | 2.7 | | | G4/750 |
| BL (0°-30°) | 1050.8 | 4.2 | B3/2500 | | |
| BM (30°-60°) | 1951.7 | 7.8 | B2/2500 | | |
| BH (60°-80°) | 1133.5 | 4.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 76.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 |
| 2.5° | 8395.7 | 8406.8 | 8478.8 | 8688.2 | 8832.0 | 8884.8 | 8921.5 | 8852.8 | 8785.7 | 8622.6 | 8376.5 |
| 5° | 8370.1 | 8435.7 | 8622.6 | 9092.5 | 9463.3 | 9623.1 | 9671.1 | 9464.9 | 9124.5 | 8705.8 | 8202.3 |
| 7.5° | 7881.1 | 7969.0 | 8256.7 | 9044.6 | 9698.2 | 10072.3 | 10022.7 | 9650.3 | 9036.6 | 8290.2 | 7587.0 |
| 10° | 7300.8 | 7398.3 | 7745.2 | 8697.7 | 9540.1 | 10054.7 | 10054.7 | 9600.8 | 8785.7 | 7898.6 | 7088.3 |
| 12.5° | 6840.6 | 6942.9 | 7339.2 | 8341.4 | 9210.8 | 9698.2 | 9779.7 | 9389.8 | 8605.1 | 7650.9 | 6760.7 |
| 15° | 6688.7 | 6787.8 | 7214.6 | 8125.6 | 8862.4 | 9159.7 | 9186.9 | 9059.0 | 8517.2 | 7668.5 | 6746.2 |
| 17.5° | 6877.3 | 7005.2 | 7436.7 | 8189.5 | 8542.7 | 8560.3 | 8581.1 | 8681.7 | 8526.7 | 7989.7 | 7037.1 |
| 20° | 7422.4 | 7559.8 | 8010.5 | 8395.7 | 8263.0 | 8080.8 | 8092.0 | 8350.9 | 8640.2 | 8520.4 | 7732.4 |
| 22.5° | 8208.7 | 8328.5 | 8790.4 | 8758.5 | 8144.8 | 7769.2 | 7690.9 | 8052.1 | 8808.0 | 9182.0 | 8472.4 |
| 25° | 9057.4 | 9198.0 | 9728.6 | 9297.1 | 8178.4 | 7583.7 | 7534.2 | 7876.3 | 8982.3 | 9800.6 | 9327.5 |
| 27.5° | 10029.1 | 10166.6 | 10585.3 | 9840.5 | 8354.1 | 7569.4 | 7510.2 | 7860.3 | 9138.9 | 10372.7 | 10144.2 |
| 30° | 10751.5 | 10877.8 | 11162.3 | 10297.6 | 8569.9 | 7665.3 | 7591.7 | 7986.5 | 9273.1 | 10764.3 | 10940.2 |
| 32.5° | 11318.9 | 11450.0 | 11605.0 | 10582.1 | 8854.4 | 7839.5 | 7703.6 | 8216.6 | 9448.9 | 11063.2 | 11529.9 |
| 35° | 11910.3 | 12065.3 | 12054.1 | 10834.6 | 9119.7 | 8040.9 | 7908.2 | 8549.1 | 9725.4 | 11323.7 | 12277.8 |
| 37.5° | 12659.9 | 12722.2 | 12642.2 | 11061.6 | 9437.7 | 8403.7 | 8330.2 | 9042.9 | 10118.6 | 11638.6 | 13152.1 |
| 40° | 13420.6 | 13545.3 | 13134.5 | 11336.5 | 9824.5 | 9086.2 | 9078.2 | 9773.4 | 10585.3 | 12007.8 | 13999.2 |
| 42.5° | 14072.7 | 14178.2 | 13594.8 | 11576.3 | 10292.8 | 9918.8 | 9979.6 | 10753.1 | 11197.4 | 12436.1 | 14680.1 |
| 45° | 14563.4 | 14657.7 | 14020.0 | 11808.0 | 10909.8 | 10881.0 | 11239.0 | 11803.2 | 11969.4 | 12821.3 | 15079.6 |
| 47.5° | 14980.5 | 15071.7 | 14315.7 | 12159.6 | 11672.1 | 12030.2 | 12653.4 | 12898.0 | 12629.5 | 13041.8 | 15527.1 |
| 50° | 15332.2 | 15359.3 | 14518.6 | 12578.3 | 12618.3 | 13438.2 | 14042.3 | 14200.6 | 13281.6 | 13358.3 | 15915.5 |
| 52.5° | 15698.1 | 15663.0 | 14868.6 | 13105.8 | 13641.2 | 14774.3 | 15213.8 | 15378.5 | 13906.5 | 13748.3 | 16481.3 |
| 55° | 16518.1 | 16551.6 | 15653.4 | 13770.6 | 14675.3 | 16086.5 | 16665.1 | 16506.9 | 14598.6 | 14465.9 | 17200.6 |
| 57.5° | 17509.0 | 17480.2 | 16757.8 | 14811.1 | 15728.5 | 17307.6 | 17739.2 | 17485.0 | 15522.3 | 15452.0 | 17929.4 |
| 60° | 17894.1 | 17932.5 | 17681.6 | 15929.9 | 16767.4 | 18376.9 | 18818.0 | 18423.2 | 16630.0 | 16598.0 | 18479.1 |
| 62.5° | 17507.4 | 17723.1 | 17892.6 | 16925.6 | 17652.8 | 19163.2 | 19601.2 | 19150.4 | 17785.5 | 18017.2 | 18864.3 |
| 65° | 16737.0 | 16783.4 | 17360.4 | 17769.5 | 18079.5 | 19292.7 | 19521.2 | 19281.5 | 18750.8 | 19310.3 | 18846.7 |
| 67.5° | 15736.5 | 15776.4 | 16452.6 | 18046.0 | 17529.8 | 17822.3 | 17982.1 | 17911.8 | 18451.9 | 19753.0 | 17978.9 |
| 70° | 14784.0 | 14752.0 | 15466.4 | 17341.2 | 15260.2 | 14815.9 | 14948.6 | 14728.0 | 15921.9 | 18670.9 | 16276.7 |
| 72.5° | 12930.0 | 13045.0 | 13812.2 | 15381.7 | 12082.9 | 11360.5 | 11649.8 | 11079.1 | 12245.9 | 15990.7 | 13211.2 |
| 75° | 10128.2 | 10155.4 | 11435.6 | 12909.2 | 9114.9 | 7975.3 | 8366.9 | 8128.8 | 9380.2 | 13339.1 | 9122.9 |
| 77.5° | 7013.2 | 6952.4 | 8328.5 | 9859.7 | 6500.2 | 5838.4 | 5844.9 | 5731.4 | 6549.7 | 9821.3 | 6198.1 |
| 80° | 4454.3 | 4361.7 | 5213.5 | 6091.0 | 4467.2 | 4778.8 | 4622.2 | 4617.4 | 4264.1 | 6059.0 | 3747.9 |
| 82.5° | 2407.0 | 2509.3 | 3294.0 | 3818.2 | 3204.5 | 3693.6 | 3385.1 | 3286.0 | 2926.4 | 3792.7 | 2397.4 |
| 85° | 1096.4 | 1192.3 | 1756.5 | 2597.2 | 2434.2 | 2461.4 | 1644.6 | 1940.3 | 2421.3 | 3079.9 | 1280.2 |
| 87.5° | 107.1 | 137.4 | 362.8 | 1225.9 | 831.1 | 655.3 | 244.5 | 471.5 | 608.9 | 1094.8 | 102.3 |
| 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: GLAN-SA8A-835-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 |
| 2.5° | 8275.8 | 8192.7 | 7909.8 | 7676.5 | 7428.7 | 7240.2 | 6994.0 | 6829.4 | 6715.9 | 6544.9 | 6524.1 |
| 5° | 7895.5 | 7692.4 | 7200.2 | 6698.3 | 6265.2 | 5939.1 | 5608.3 | 5304.7 | 5125.6 | 5069.7 | 4997.8 |
| 7.5° | 7254.5 | 6912.5 | 6279.6 | 5704.2 | 5207.2 | 4721.3 | 4347.3 | 4081.9 | 3904.6 | 3800.7 | 3676.0 |
| 10° | 6727.1 | 6330.7 | 5560.4 | 4855.5 | 4446.3 | 4144.3 | 3815.1 | 3530.5 | 3311.6 | 3124.6 | 3022.3 |
| 12.5° | 6372.3 | 5924.8 | 5058.5 | 4486.4 | 4169.9 | 3848.6 | 3463.4 | 3143.8 | 2820.9 | 2608.3 | 2517.3 |
| 15° | 6265.2 | 5792.1 | 4903.5 | 4302.5 | 3848.6 | 3428.3 | 2996.8 | 2579.6 | 2260.0 | 2058.6 | 1991.4 |
| 17.5° | 6527.3 | 5955.1 | 4901.9 | 4058.0 | 3471.4 | 2969.6 | 2416.6 | 2025.0 | 1697.4 | 1547.1 | 1499.2 |
| 20° | 7016.4 | 6268.4 | 4916.3 | 3816.7 | 3062.3 | 2355.8 | 1758.1 | 1436.8 | 1280.2 | 1216.3 | 1192.3 |
| 22.5° | 7698.8 | 6746.2 | 4959.4 | 3578.5 | 2614.8 | 1809.2 | 1317.0 | 1154.0 | 1098.0 | 1086.8 | 1082.0 |
| 25° | 8539.6 | 7337.6 | 5104.8 | 3364.3 | 2237.6 | 1380.9 | 1101.2 | 1027.7 | 995.7 | 984.5 | 982.9 |
| 27.5° | 9313.1 | 8101.6 | 5280.6 | 3180.5 | 1873.2 | 1190.7 | 995.7 | 933.4 | 901.4 | 899.8 | 903.0 |
| 30° | 10011.5 | 8740.9 | 5427.7 | 2974.4 | 1596.7 | 1058.1 | 927.0 | 864.7 | 834.3 | 832.7 | 842.3 |
| 32.5° | 10615.7 | 9266.7 | 5536.4 | 2771.4 | 1443.2 | 976.6 | 864.7 | 797.6 | 772.0 | 767.2 | 772.0 |
| 35° | 11261.3 | 9790.9 | 5486.9 | 2613.2 | 1355.3 | 909.4 | 818.3 | 752.8 | 722.4 | 708.1 | 708.1 |
| 37.5° | 11998.1 | 10331.2 | 5402.2 | 2482.1 | 1315.4 | 853.5 | 778.4 | 714.4 | 684.0 | 669.7 | 668.1 |
| 40° | 12802.1 | 10871.4 | 5285.5 | 2365.4 | 1275.4 | 819.9 | 751.2 | 684.0 | 647.3 | 632.9 | 629.7 |
| 42.5° | 13511.8 | 11333.3 | 5189.6 | 2288.7 | 1209.9 | 826.3 | 727.2 | 661.7 | 615.4 | 596.2 | 594.5 |
| 45° | 14128.7 | 11798.4 | 5171.9 | 2244.0 | 1155.6 | 816.7 | 720.8 | 644.1 | 589.8 | 569.0 | 565.8 |
| 47.5° | 14611.3 | 12282.7 | 5272.6 | 2218.4 | 1096.4 | 765.5 | 762.4 | 632.9 | 567.4 | 545.0 | 541.8 |
| 50° | 15199.5 | 12969.9 | 5502.8 | 2165.6 | 1042.1 | 717.6 | 805.6 | 631.3 | 549.8 | 521.0 | 513.0 |
| 52.5° | 15982.7 | 13865.0 | 5814.5 | 2071.3 | 963.7 | 672.8 | 768.7 | 631.3 | 529.0 | 500.3 | 490.7 |
| 55° | 17167.0 | 15006.1 | 6119.8 | 1938.7 | 853.5 | 613.7 | 693.7 | 612.1 | 498.7 | 473.1 | 466.7 |
| 57.5° | 17951.7 | 15840.4 | 6314.7 | 1754.9 | 716.1 | 570.6 | 597.7 | 581.8 | 468.3 | 441.1 | 441.1 |
| 60° | 17991.7 | 16064.2 | 6222.0 | 1523.2 | 629.7 | 530.6 | 519.4 | 586.5 | 441.1 | 412.3 | 409.1 |
| 62.5° | 17531.4 | 15515.9 | 5739.4 | 1315.4 | 583.3 | 487.5 | 469.9 | 514.7 | 414.0 | 385.2 | 380.4 |
| 65° | 16812.2 | 14117.5 | 4901.9 | 1216.3 | 557.8 | 449.1 | 423.5 | 422.0 | 385.2 | 358.0 | 351.6 |
| 67.5° | 15490.4 | 12337.0 | 4027.6 | 1158.8 | 545.0 | 406.0 | 381.9 | 374.0 | 351.6 | 329.3 | 326.0 |
| 70° | 13542.1 | 10332.8 | 3230.1 | 1134.8 | 538.6 | 361.2 | 342.0 | 332.5 | 313.3 | 295.7 | 294.1 |
| 72.5° | 10535.7 | 8381.3 | 2665.9 | 1118.8 | 535.4 | 319.6 | 298.9 | 286.1 | 274.9 | 258.9 | 258.9 |
| 75° | 7567.8 | 6166.1 | 2034.6 | 1008.5 | 495.5 | 274.9 | 252.5 | 244.5 | 228.6 | 215.8 | 218.9 |
| 77.5° | 4770.8 | 4152.3 | 1339.3 | 741.6 | 383.6 | 220.6 | 201.4 | 196.6 | 183.8 | 166.2 | 177.4 |
| 80° | 3222.1 | 2920.0 | 781.5 | 466.7 | 241.3 | 161.5 | 155.0 | 153.5 | 139.1 | 119.9 | 121.4 |
| 82.5° | 2192.8 | 2151.3 | 406.0 | 265.3 | 139.1 | 94.3 | 91.1 | 94.3 | 78.3 | 63.9 | 63.9 |
| 85° | 856.7 | 1170.0 | 191.8 | 103.9 | 44.8 | 14.4 | 20.7 | 22.4 | 12.8 | 6.4 | 8.0 |
| 87.5° | 16.0 | 119.9 | 4.8 | 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-SA8A-835-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 |
| 2.5° | 6492.2 | 6477.8 | 6501.7 | 6399.5 | 6420.2 | 6458.6 | 6477.8 | 6489.0 | 6647.2 | 6610.4 | 6711.1 |
| 5° | 5064.9 | 5050.5 | 5143.2 | 5156.0 | 5204.0 | 5194.3 | 5240.7 | 5251.9 | 5309.4 | 5330.2 | 5470.8 |
| 7.5° | 3684.0 | 3746.3 | 3851.8 | 3906.2 | 3987.7 | 4013.3 | 3989.3 | 4048.4 | 3928.5 | 4014.8 | 4040.4 |
| 10° | 2960.0 | 2884.9 | 2840.1 | 2964.8 | 2980.7 | 3099.0 | 3051.1 | 3012.7 | 3083.1 | 3086.3 | 3153.4 |
| 12.5° | 2464.5 | 2303.1 | 2196.0 | 2231.2 | 2269.5 | 2320.7 | 2328.6 | 2405.4 | 2456.5 | 2504.5 | 2544.4 |
| 15° | 1932.3 | 1876.4 | 1778.9 | 1730.9 | 1785.2 | 1806.1 | 1855.6 | 1919.5 | 1973.9 | 1988.3 | 2042.6 |
| 17.5° | 1483.2 | 1492.8 | 1476.8 | 1448.0 | 1481.6 | 1497.6 | 1500.8 | 1502.3 | 1516.7 | 1507.2 | 1587.1 |
| 20° | 1193.9 | 1227.4 | 1267.4 | 1273.8 | 1285.0 | 1293.0 | 1278.6 | 1224.3 | 1225.9 | 1259.5 | 1285.0 |
| 22.5° | 1080.5 | 1086.8 | 1131.6 | 1145.9 | 1181.2 | 1166.7 | 1125.2 | 1099.6 | 1096.4 | 1104.4 | 1117.2 |
| 25° | 990.9 | 1000.5 | 1032.5 | 1054.9 | 1082.0 | 1056.4 | 1026.1 | 1002.1 | 999.0 | 1006.9 | 1019.7 |
| 27.5° | 911.0 | 925.4 | 954.2 | 976.6 | 1002.1 | 978.1 | 949.4 | 928.6 | 927.0 | 925.4 | 933.4 |
| 30° | 847.0 | 863.1 | 883.9 | 909.4 | 927.0 | 906.2 | 879.1 | 867.9 | 866.2 | 863.1 | 866.2 |
| 32.5° | 783.2 | 808.8 | 829.5 | 842.3 | 859.9 | 843.9 | 823.1 | 816.7 | 805.6 | 795.9 | 791.1 |
| 35° | 711.2 | 738.4 | 770.4 | 786.4 | 803.9 | 787.9 | 773.5 | 746.4 | 727.2 | 725.6 | 728.8 |
| 37.5° | 669.7 | 680.9 | 706.4 | 733.6 | 751.2 | 743.2 | 716.1 | 688.9 | 684.0 | 684.0 | 687.2 |
| 40° | 632.9 | 637.7 | 648.9 | 684.0 | 716.1 | 692.0 | 658.5 | 650.5 | 650.5 | 648.9 | 650.5 |
| 42.5° | 596.2 | 601.0 | 601.0 | 628.1 | 679.3 | 640.9 | 615.4 | 615.4 | 615.4 | 616.9 | 621.7 |
| 45° | 562.6 | 564.2 | 562.6 | 581.8 | 629.7 | 597.7 | 580.2 | 585.0 | 588.2 | 591.3 | 594.5 |
| 47.5° | 533.8 | 535.4 | 533.8 | 549.8 | 573.8 | 561.0 | 551.4 | 557.8 | 564.2 | 569.0 | 572.2 |
| 50° | 508.2 | 506.7 | 509.8 | 519.4 | 530.6 | 533.8 | 527.4 | 537.0 | 540.2 | 546.6 | 554.6 |
| 52.5° | 485.9 | 484.3 | 487.5 | 492.3 | 508.2 | 508.2 | 508.2 | 516.2 | 522.7 | 529.0 | 540.2 |
| 55° | 460.3 | 461.9 | 466.7 | 473.1 | 493.8 | 490.7 | 492.3 | 498.7 | 505.0 | 514.7 | 521.0 |
| 57.5° | 436.3 | 439.5 | 445.9 | 455.5 | 476.3 | 474.7 | 476.3 | 479.5 | 487.5 | 492.3 | 498.7 |
| 60° | 409.1 | 415.5 | 423.5 | 429.9 | 450.7 | 449.1 | 457.1 | 463.5 | 468.3 | 468.3 | 471.5 |
| 62.5° | 381.9 | 391.6 | 399.6 | 404.3 | 426.7 | 428.3 | 439.5 | 444.4 | 447.5 | 444.4 | 449.1 |
| 65° | 354.8 | 369.2 | 372.4 | 378.8 | 401.1 | 402.8 | 415.5 | 426.7 | 423.5 | 420.3 | 428.3 |
| 67.5° | 327.6 | 345.2 | 343.7 | 351.6 | 374.0 | 377.2 | 388.4 | 407.6 | 401.1 | 398.0 | 404.3 |
| 70° | 297.3 | 310.1 | 311.6 | 316.5 | 346.8 | 342.0 | 359.6 | 377.2 | 372.4 | 374.0 | 374.0 |
| 72.5° | 263.7 | 274.9 | 274.9 | 284.5 | 316.5 | 308.5 | 322.8 | 342.0 | 342.0 | 340.4 | 340.4 |
| 75° | 223.8 | 230.1 | 236.5 | 251.0 | 284.5 | 274.9 | 284.5 | 302.1 | 305.3 | 302.1 | 302.1 |
| 77.5° | 180.6 | 190.2 | 193.4 | 212.6 | 236.5 | 235.0 | 244.5 | 252.5 | 258.9 | 255.7 | 255.7 |
| 80° | 127.9 | 137.4 | 150.3 | 171.0 | 185.4 | 190.2 | 195.0 | 201.4 | 204.6 | 204.6 | 207.8 |
| 82.5° | 72.0 | 86.3 | 97.5 | 118.2 | 124.7 | 148.6 | 147.0 | 151.8 | 147.0 | 129.4 | 143.8 |
| 85° | 16.0 | 30.4 | 43.1 | 54.3 | 62.3 | 86.3 | 91.1 | 102.3 | 84.7 | 78.3 | 78.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | 25.6 | 35.2 | 30.4 | 25.6 | 25.6 |
| 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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CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 | 7786.8 |
| 2.5° | 6795.8 | 6934.9 | 7102.7 | 7392.0 | 7594.9 | 7813.9 | 8034.4 | 8269.4 | 8331.7 | 8395.7 |
| 5° | 5509.2 | 5782.5 | 5931.1 | 6319.5 | 6727.1 | 7244.9 | 7668.5 | 8132.0 | 8325.3 | 8370.1 |
| 7.5° | 4173.1 | 4358.5 | 4748.4 | 5141.6 | 5646.7 | 6190.1 | 6839.0 | 7561.4 | 7786.8 | 7881.1 |
| 10° | 3308.4 | 3560.9 | 3902.9 | 4324.9 | 4767.6 | 5352.6 | 6084.6 | 6928.5 | 7248.2 | 7300.8 |
| 12.5° | 2816.1 | 3097.5 | 3469.9 | 3915.8 | 4334.5 | 4775.6 | 5514.0 | 6385.1 | 6727.1 | 6840.6 |
| 15° | 2252.0 | 2592.4 | 3022.3 | 3492.2 | 3947.7 | 4430.4 | 5178.4 | 6161.3 | 6556.1 | 6688.7 |
| 17.5° | 1769.3 | 2044.2 | 2509.3 | 3019.1 | 3559.4 | 4169.9 | 5108.1 | 6268.4 | 6754.2 | 6877.3 |
| 20° | 1353.7 | 1550.3 | 1941.9 | 2480.5 | 3113.4 | 3912.6 | 5125.6 | 6672.7 | 7254.5 | 7422.4 |
| 22.5° | 1170.0 | 1270.7 | 1508.8 | 2021.8 | 2729.9 | 3688.8 | 5197.6 | 7227.3 | 7929.0 | 8208.7 |
| 25° | 1059.6 | 1112.4 | 1246.6 | 1582.3 | 2363.8 | 3471.4 | 5362.1 | 7973.8 | 8871.9 | 9057.4 |
| 27.5° | 965.4 | 1003.7 | 1086.8 | 1328.1 | 2031.4 | 3270.0 | 5554.0 | 8801.6 | 9752.6 | 10029.1 |
| 30° | 875.9 | 927.0 | 1005.3 | 1179.5 | 1818.8 | 3086.3 | 5795.3 | 9472.9 | 10494.2 | 10751.5 |
| 32.5° | 807.1 | 858.2 | 930.2 | 1075.6 | 1638.2 | 2892.9 | 5939.1 | 10062.6 | 11100.0 | 11318.9 |
| 35° | 751.2 | 794.4 | 869.4 | 992.5 | 1500.8 | 2745.8 | 5910.4 | 10531.0 | 11686.5 | 11910.3 |
| 37.5° | 711.2 | 748.0 | 823.1 | 914.2 | 1396.9 | 2592.4 | 5896.0 | 11149.5 | 12400.9 | 12659.9 |
| 40° | 674.5 | 712.8 | 781.5 | 863.1 | 1293.0 | 2411.8 | 5904.0 | 11763.2 | 13161.7 | 13420.6 |
| 42.5° | 645.7 | 688.9 | 744.8 | 848.7 | 1185.9 | 2266.3 | 5904.0 | 12297.0 | 13823.4 | 14072.7 |
| 45° | 621.7 | 668.1 | 722.4 | 847.0 | 1101.2 | 2156.1 | 5864.0 | 12755.8 | 14350.8 | 14563.4 |
| 47.5° | 601.0 | 652.1 | 730.4 | 818.3 | 1080.5 | 2076.1 | 5828.9 | 13123.3 | 14780.8 | 14980.5 |
| 50° | 586.5 | 647.3 | 776.7 | 784.7 | 1086.8 | 2052.2 | 5998.2 | 13586.9 | 15159.5 | 15332.2 |
| 52.5° | 575.3 | 648.9 | 775.2 | 735.2 | 1075.6 | 2068.1 | 6351.5 | 14310.9 | 15685.4 | 15698.1 |
| 55° | 553.0 | 647.3 | 735.2 | 679.3 | 1029.3 | 2095.3 | 6805.4 | 15362.5 | 16508.5 | 16518.1 |
| 57.5° | 530.6 | 629.7 | 682.5 | 631.3 | 935.0 | 2095.3 | 7352.0 | 16358.2 | 17501.0 | 17509.0 |
| 60° | 508.2 | 655.3 | 599.4 | 589.8 | 811.9 | 2056.9 | 7929.0 | 16796.1 | 17812.6 | 17894.1 |
| 62.5° | 485.9 | 660.1 | 535.4 | 553.0 | 722.4 | 1964.2 | 8358.9 | 16311.9 | 17390.7 | 17507.4 |
| 65° | 460.3 | 532.2 | 493.8 | 514.7 | 676.0 | 1809.2 | 8223.1 | 15424.9 | 16598.0 | 16737.0 |
| 67.5° | 429.9 | 450.7 | 449.1 | 474.7 | 660.1 | 1580.7 | 7507.0 | 14302.9 | 15744.5 | 15736.5 |
| 70° | 393.1 | 404.3 | 409.1 | 436.3 | 629.7 | 1403.3 | 6255.6 | 12846.8 | 14604.9 | 14784.0 |
| 72.5° | 354.8 | 364.4 | 369.2 | 393.1 | 599.4 | 1302.6 | 4855.5 | 10841.0 | 12650.2 | 12930.0 |
| 75° | 313.3 | 319.6 | 326.0 | 346.8 | 567.4 | 1154.0 | 3458.7 | 8275.8 | 9688.7 | 10128.2 |
| 77.5° | 270.1 | 270.1 | 278.1 | 298.9 | 477.9 | 952.6 | 2320.7 | 5804.9 | 6564.0 | 7013.2 |
| 80° | 218.9 | 220.6 | 217.4 | 239.8 | 351.6 | 652.1 | 1318.6 | 3877.4 | 4368.0 | 4454.3 |
| 82.5° | 167.8 | 163.0 | 164.6 | 175.8 | 262.1 | 444.4 | 703.2 | 2408.6 | 2454.9 | 2407.0 |
| 85° | 105.5 | 105.5 | 102.3 | 115.1 | 167.8 | 231.8 | 383.6 | 1475.2 | 1152.3 | 1096.4 |
| 87.5° | 43.1 | 35.2 | 39.9 | 46.4 | 79.9 | 94.3 | 150.3 | 303.6 | 116.7 | 107.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)