

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: P650569

Luminaire Tested: **GLAN-SA8B-835-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-835-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21000.1 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

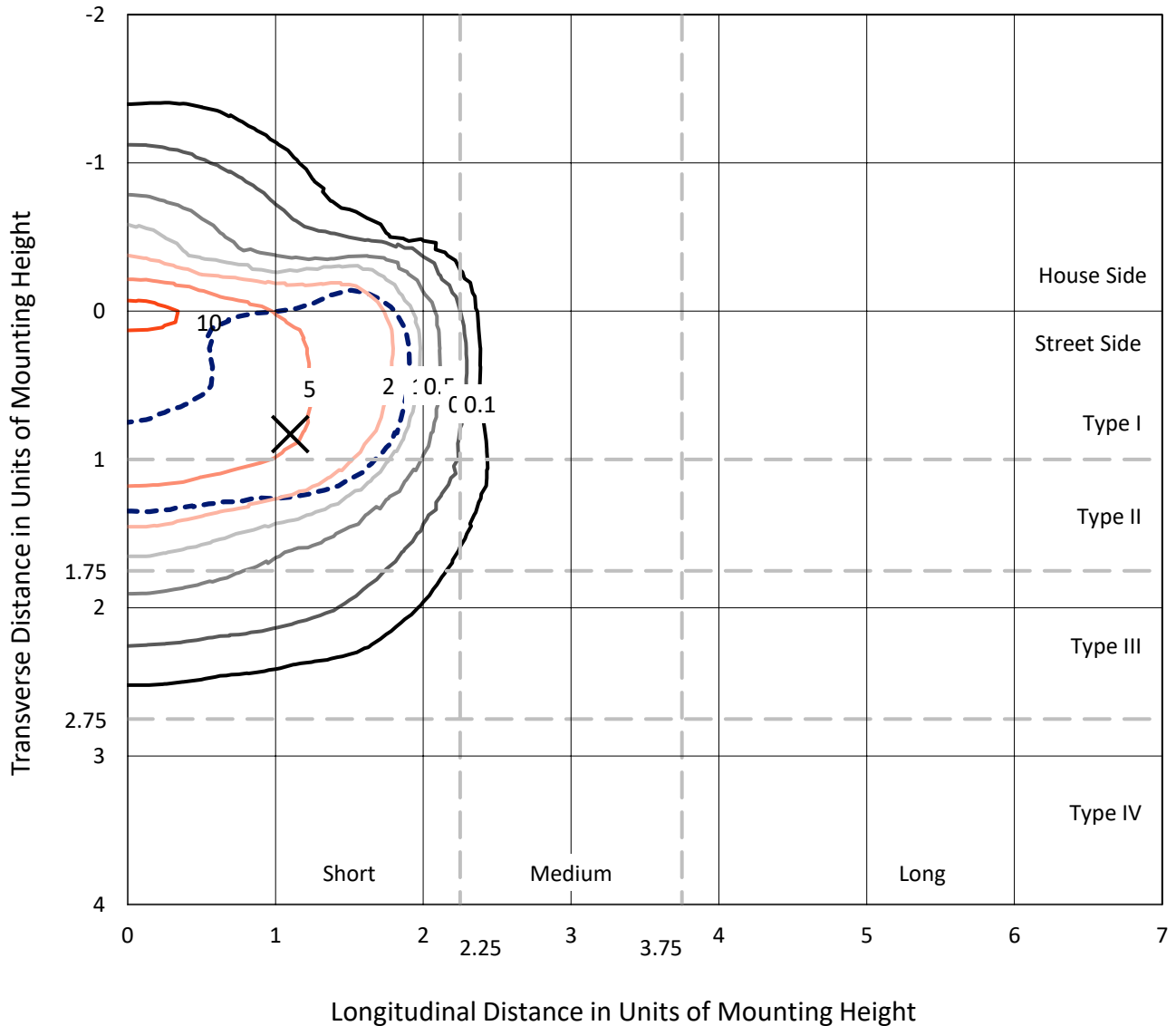
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650569
 CATALOG NUMBER: GLAN-SA8B-835-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

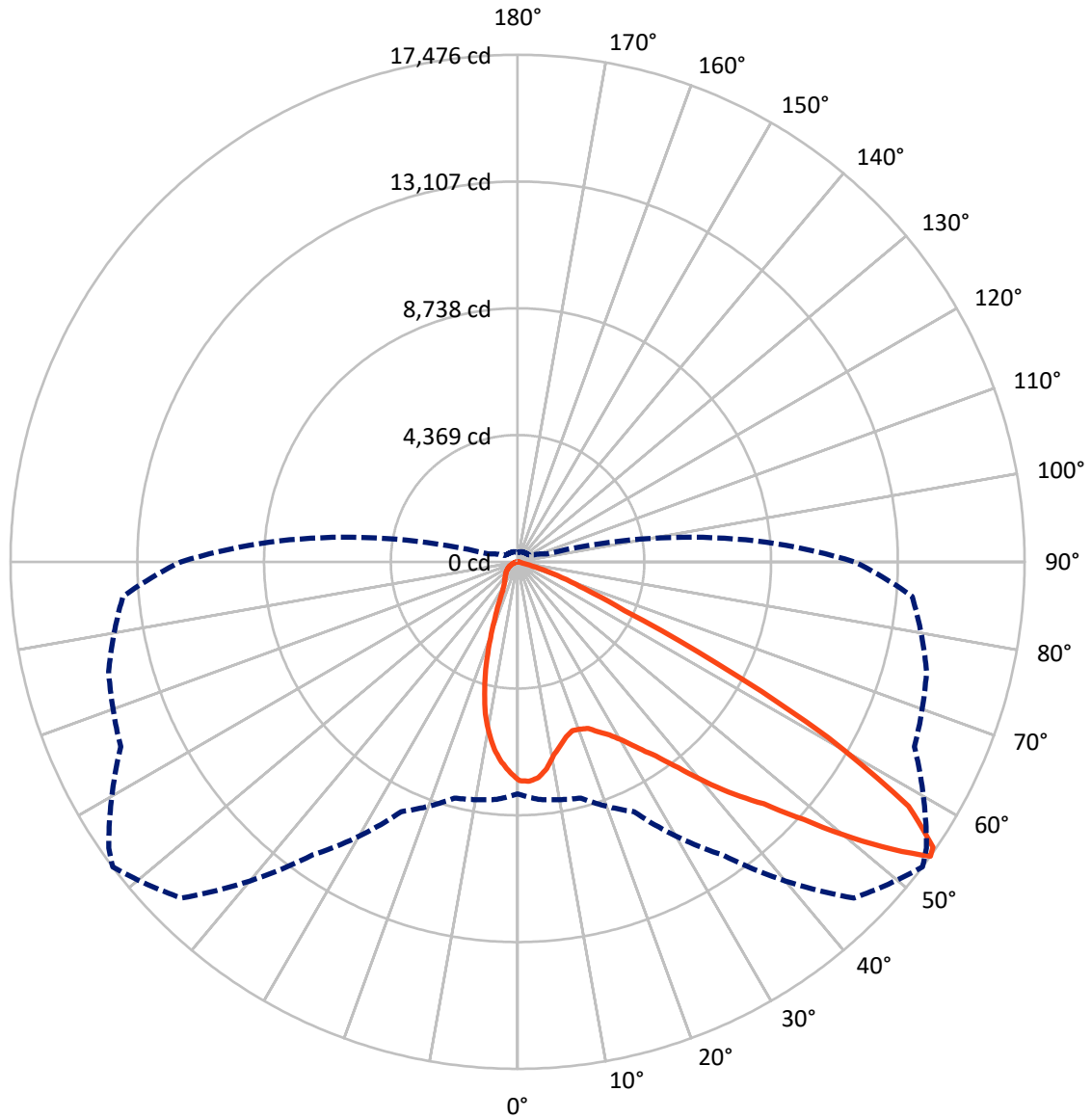
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

REPORT NUMBER: P650569
CATALOG NUMBER: GLAN-SA8B-835-U-SL2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P650569
 CATALOG NUMBER: GLAN-SA8B-835-U-SL2-GRSBK

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3474.5 | 0.0 | 3474.5 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 17525.5 | 0.0 | 17525.5 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 21000.1 | 0.0 | 21000.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 647.2 | 3.1 |
| 10°-20° | 1483.7 | 7.1 |
| 20°-30° | 2108.7 | 10.0 |
| 30°-40° | 3254.3 | 15.5 |
| 40°-50° | 5102.4 | 24.3 |
| 50°-60° | 5927.2 | 28.2 |
| 60°-70° | 2239.6 | 10.7 |
| 70°-80° | 213.0 | 1.0 |
| 80°-90° | 24.0 | 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° | 21000.1 | 100.0 |
| 0°-180° | 21000.1 | 100.0 |

Coefficient of Utilization



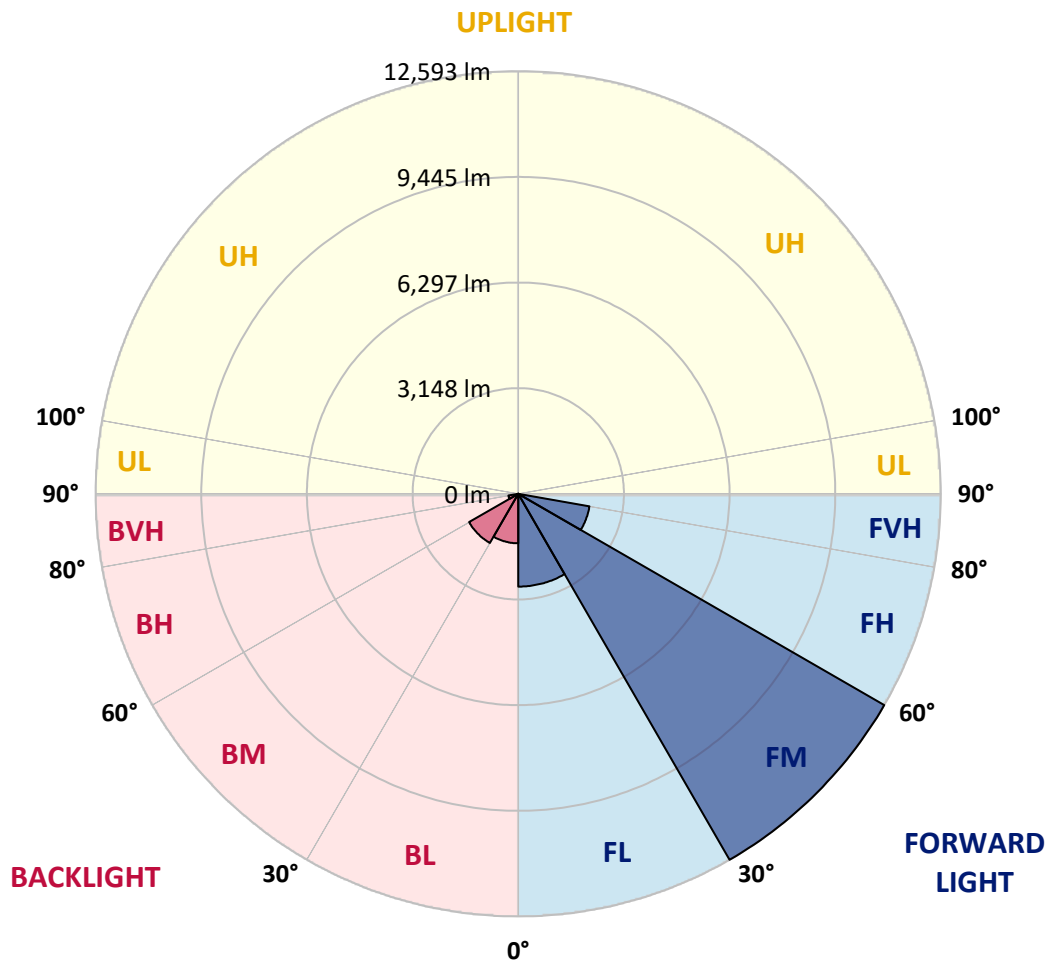
REPORT NUMBER: P650569
 CATALOG NUMBER: GLAN-SA8B-835-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2765.2 | 13.2 | | | |
| FM (30°-60°) | 12593.1 | 60.0 | | | |
| FH (60°-80°) | 2154.9 | 10.3 | | | G2/5000 |
| FVH (80°-90°) | 12.4 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1474.4 | 7.0 | B3/2500 | | |
| BM (30°-60°) | 1690.8 | 8.1 | B2/2500 | | |
| BH (60°-80°) | 297.7 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 11.6 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P650569

CATALOG NUMBER: GLAN-SA8B-835-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 |
| 2.5° | 7503.7 | 7437.2 | 7503.7 | 7511.6 | 7558.5 | 7601.5 | 7574.2 | 7636.8 | 7601.5 | 7562.4 | 7550.7 |
| 5° | 6897.4 | 6987.3 | 6991.3 | 7132.1 | 7100.8 | 7359.0 | 7472.5 | 7441.2 | 7632.8 | 7621.1 | 7593.7 |
| 7.5° | 6353.5 | 6318.3 | 6365.2 | 6529.6 | 6736.9 | 7034.2 | 7198.6 | 7194.7 | 7468.6 | 7664.2 | 7644.6 |
| 10° | 5848.9 | 5844.9 | 5942.7 | 6071.9 | 6247.9 | 6560.9 | 6787.8 | 6901.3 | 7327.7 | 7625.0 | 7668.1 |
| 12.5° | 5508.5 | 5492.8 | 5598.4 | 5704.1 | 5981.9 | 6224.5 | 6513.9 | 6568.7 | 7057.7 | 7488.1 | 7558.5 |
| 15° | 5285.5 | 5320.7 | 5328.5 | 5532.0 | 5708.0 | 6028.8 | 6255.7 | 6369.2 | 6932.5 | 7378.5 | 7648.5 |
| 17.5° | 5246.3 | 5293.3 | 5297.2 | 5465.4 | 5653.3 | 5923.2 | 6122.7 | 6275.3 | 6826.9 | 7433.3 | 7652.4 |
| 20° | 5324.6 | 5297.2 | 5320.7 | 5426.3 | 5610.2 | 5868.4 | 6157.9 | 6208.8 | 6791.7 | 7460.7 | 7695.5 |
| 22.5° | 5547.6 | 5539.8 | 5481.1 | 5567.1 | 5696.2 | 5966.2 | 6240.1 | 6318.3 | 6893.5 | 7601.5 | 7730.6 |
| 25° | 5794.0 | 5837.1 | 5782.4 | 5770.6 | 5860.6 | 6126.7 | 6490.4 | 6592.2 | 7233.8 | 7855.8 | 7840.2 |
| 27.5° | 6255.7 | 6212.7 | 6212.7 | 6157.9 | 6134.4 | 6263.5 | 6760.4 | 6928.6 | 7613.3 | 8184.5 | 7965.4 |
| 30° | 6697.8 | 6744.8 | 6709.5 | 6729.1 | 6572.7 | 6560.9 | 7143.8 | 7351.2 | 8286.2 | 8685.3 | 8231.4 |
| 32.5° | 7398.1 | 7335.5 | 7394.2 | 7343.4 | 7136.0 | 6924.7 | 7664.2 | 7879.3 | 9099.9 | 9260.4 | 8630.5 |
| 35° | 7981.0 | 7953.6 | 8204.0 | 8196.2 | 7859.8 | 7652.4 | 8215.8 | 8536.6 | 9667.2 | 9949.0 | 9099.9 |
| 37.5° | 8810.5 | 8759.6 | 9045.2 | 9182.1 | 8880.9 | 8571.8 | 9006.1 | 9377.8 | 10195.4 | 10500.6 | 9581.2 |
| 40° | 9663.3 | 9792.4 | 10175.9 | 10402.7 | 10081.9 | 9671.1 | 9972.4 | 10085.8 | 10547.5 | 10860.4 | 9909.8 |
| 42.5° | 10743.1 | 10930.9 | 11322.1 | 11517.8 | 11490.4 | 11044.4 | 10954.4 | 10950.5 | 10801.8 | 10758.7 | 10152.4 |
| 45° | 11779.8 | 11709.5 | 12312.0 | 12738.4 | 13082.7 | 12953.6 | 11901.1 | 11783.8 | 11204.7 | 10911.3 | 10214.9 |
| 47.5° | 12233.7 | 12210.2 | 12621.0 | 13380.0 | 14553.7 | 14714.1 | 13278.3 | 12824.4 | 11885.5 | 11552.9 | 10555.3 |
| 50° | 11646.8 | 11768.1 | 12175.0 | 13016.1 | 14815.8 | 16040.3 | 14968.4 | 14358.0 | 12679.7 | 12335.4 | 11361.3 |
| 52.5° | 9729.8 | 9812.0 | 10199.3 | 11267.4 | 13923.8 | 16822.8 | 16588.0 | 16236.0 | 14138.9 | 13567.7 | 12765.7 |
| 54° | 8000.6 | 8219.7 | 8431.0 | 9502.9 | 12335.4 | 16388.5 | 17476.2 | 17206.2 | 15089.7 | 14592.8 | 13650.0 |
| 55° | 6967.8 | 7096.9 | 7249.5 | 8317.5 | 11236.1 | 15653.0 | 17374.4 | 17397.9 | 15727.3 | 14913.6 | 14244.6 |
| 57.5° | 5089.9 | 5179.9 | 5023.3 | 5496.7 | 7715.0 | 12711.0 | 15891.7 | 16525.4 | 16588.0 | 15394.8 | 14608.4 |
| 60° | 3888.8 | 3927.9 | 3751.9 | 3826.2 | 4796.4 | 8724.3 | 12292.4 | 13055.3 | 14964.5 | 13454.3 | 12374.5 |
| 62.5° | 3016.4 | 3024.2 | 3020.3 | 3149.4 | 3305.9 | 5132.9 | 7687.7 | 8364.5 | 10316.7 | 9553.8 | 8403.5 |
| 65° | 2222.2 | 2187.0 | 2249.6 | 2640.8 | 2820.8 | 3227.6 | 4049.2 | 4542.2 | 5606.3 | 4733.9 | 3384.1 |
| 67.5° | 1439.7 | 1451.4 | 1514.1 | 1964.0 | 2417.7 | 2476.5 | 2492.1 | 2453.0 | 2456.9 | 1353.7 | 848.9 |
| 70° | 864.6 | 884.2 | 864.6 | 1111.1 | 1729.3 | 1776.2 | 1623.6 | 1584.5 | 1236.3 | 320.8 | 316.9 |
| 72.5° | 512.5 | 485.1 | 434.3 | 477.3 | 719.9 | 860.7 | 774.6 | 770.7 | 485.1 | 187.8 | 187.8 |
| 75° | 215.2 | 195.6 | 160.4 | 144.8 | 191.7 | 183.8 | 183.8 | 164.4 | 129.1 | 125.2 | 117.4 |
| 77.5° | 43.1 | 43.1 | 31.3 | 35.2 | 47.0 | 54.8 | 66.5 | 66.5 | 78.2 | 78.2 | 74.3 |
| 80° | 0.0 | 3.9 | 11.7 | 23.5 | 35.2 | 50.9 | 58.6 | 58.6 | 66.5 | 66.5 | 54.8 |
| 82.5° | 0.0 | 3.9 | 11.7 | 23.5 | 31.3 | 47.0 | 58.6 | 58.6 | 66.5 | 70.4 | 58.6 |
| 85° | 0.0 | 3.9 | 11.7 | 19.6 | 31.3 | 39.2 | 39.2 | 35.2 | 27.4 | 23.5 | 15.7 |
| 87.5° | 0.0 | 0.0 | 3.9 | 7.8 | 3.9 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 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: P650569

CATALOG NUMBER: GLAN-SA8B-835-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 | 7542.9 |
| 2.5° | 7578.1 | 7574.2 | 7480.2 | 7327.7 | 7292.5 | 7163.4 | 7147.7 | 7069.5 | 7112.5 | 6967.8 | 6952.1 |
| 5° | 7515.5 | 7468.6 | 7355.1 | 7257.2 | 6971.7 | 6768.3 | 6607.8 | 6412.2 | 6298.8 | 6318.3 | 6244.0 |
| 7.5° | 7605.4 | 7484.1 | 7284.6 | 6944.3 | 6596.1 | 6240.1 | 6048.4 | 5649.3 | 5504.6 | 5289.4 | 5258.1 |
| 10° | 7511.6 | 7421.6 | 7112.5 | 6549.2 | 6067.9 | 5555.5 | 5105.6 | 4663.5 | 4327.0 | 4182.2 | 4150.9 |
| 12.5° | 7503.7 | 7347.3 | 6830.8 | 6204.9 | 5508.5 | 4773.0 | 4119.6 | 3568.0 | 3235.4 | 3047.7 | 3004.6 |
| 15° | 7382.4 | 7194.7 | 6513.9 | 5672.8 | 4710.4 | 3794.9 | 3082.9 | 2550.8 | 2296.5 | 2187.0 | 2218.2 |
| 17.5° | 7394.2 | 7112.5 | 6197.1 | 5109.5 | 3924.0 | 2785.5 | 2104.8 | 1831.0 | 1764.4 | 1791.8 | 1791.8 |
| 20° | 7382.4 | 6928.6 | 5813.6 | 4460.0 | 3004.6 | 1932.7 | 1545.3 | 1447.5 | 1490.6 | 1576.6 | 1557.1 |
| 22.5° | 7319.9 | 6842.6 | 5461.5 | 3775.3 | 2210.4 | 1431.9 | 1240.2 | 1244.1 | 1310.6 | 1416.2 | 1439.7 |
| 25° | 7366.8 | 6650.9 | 5015.5 | 3082.9 | 1611.9 | 1142.4 | 1075.8 | 1103.2 | 1173.7 | 1251.9 | 1267.6 |
| 27.5° | 7331.6 | 6513.9 | 4550.0 | 2394.3 | 1177.6 | 982.0 | 978.0 | 1009.4 | 1040.7 | 1099.3 | 1099.3 |
| 30° | 7370.7 | 6388.7 | 4092.3 | 1780.1 | 970.2 | 899.8 | 884.2 | 907.7 | 939.0 | 950.7 | 946.8 |
| 32.5° | 7515.5 | 6294.9 | 3564.1 | 1330.2 | 856.8 | 821.6 | 821.6 | 821.6 | 817.7 | 833.3 | 837.3 |
| 35° | 7832.3 | 6310.5 | 3098.5 | 1028.9 | 782.5 | 755.0 | 743.3 | 727.7 | 719.9 | 727.7 | 731.6 |
| 37.5° | 8176.6 | 6302.7 | 2617.3 | 876.3 | 727.7 | 704.2 | 676.8 | 653.3 | 649.4 | 657.3 | 645.5 |
| 40° | 8329.2 | 6377.0 | 2171.3 | 786.4 | 676.8 | 649.4 | 606.4 | 586.9 | 590.8 | 598.6 | 590.8 |
| 42.5° | 8536.6 | 6400.5 | 1881.8 | 716.0 | 629.8 | 586.9 | 559.5 | 536.0 | 532.0 | 543.8 | 539.9 |
| 45° | 8532.7 | 6267.4 | 1576.6 | 676.8 | 586.9 | 539.9 | 504.7 | 485.1 | 485.1 | 493.0 | 496.9 |
| 47.5° | 8783.1 | 6247.9 | 1353.7 | 641.6 | 555.5 | 508.6 | 465.6 | 449.9 | 446.0 | 446.0 | 438.2 |
| 50° | 9366.0 | 6521.8 | 1181.5 | 602.5 | 516.4 | 473.4 | 438.2 | 418.6 | 402.9 | 395.1 | 391.3 |
| 52.5° | 10504.5 | 7374.6 | 1048.5 | 555.5 | 473.4 | 438.2 | 406.8 | 391.3 | 371.7 | 352.1 | 348.2 |
| 54° | 11607.7 | 8254.9 | 1040.7 | 516.4 | 438.2 | 414.7 | 387.4 | 379.5 | 356.0 | 328.6 | 320.8 |
| 55° | 12104.6 | 8767.4 | 1068.1 | 485.1 | 414.7 | 399.0 | 375.6 | 367.8 | 344.3 | 313.0 | 309.1 |
| 57.5° | 12515.4 | 8966.9 | 1052.4 | 402.9 | 375.6 | 371.7 | 352.1 | 340.4 | 313.0 | 270.0 | 262.1 |
| 60° | 10074.1 | 6780.0 | 755.0 | 356.0 | 344.3 | 336.5 | 320.8 | 313.0 | 277.8 | 230.8 | 226.9 |
| 62.5° | 6365.2 | 3900.5 | 481.2 | 313.0 | 301.2 | 289.5 | 270.0 | 262.1 | 230.8 | 183.8 | 172.1 |
| 65° | 2711.2 | 1615.8 | 324.7 | 277.8 | 258.2 | 238.7 | 223.0 | 211.3 | 183.8 | 136.9 | 133.0 |
| 67.5° | 704.2 | 575.1 | 270.0 | 242.6 | 215.2 | 187.8 | 176.0 | 156.5 | 125.2 | 93.9 | 90.0 |
| 70° | 316.9 | 289.5 | 226.9 | 203.4 | 172.1 | 144.8 | 129.1 | 109.5 | 82.1 | 62.6 | 58.6 |
| 72.5° | 187.8 | 183.8 | 172.1 | 152.6 | 129.1 | 109.5 | 93.9 | 74.3 | 54.8 | 35.2 | 35.2 |
| 75° | 117.4 | 113.5 | 117.4 | 105.6 | 90.0 | 82.1 | 70.4 | 50.9 | 31.3 | 15.7 | 15.7 |
| 77.5° | 70.4 | 70.4 | 70.4 | 66.5 | 62.6 | 62.6 | 50.9 | 31.3 | 15.7 | 3.9 | 3.9 |
| 80° | 54.8 | 54.8 | 58.6 | 54.8 | 54.8 | 54.8 | 43.1 | 23.5 | 7.8 | 0.0 | 0.0 |
| 82.5° | 54.8 | 58.6 | 66.5 | 62.6 | 54.8 | 47.0 | 39.2 | 23.5 | 7.8 | 0.0 | 0.0 |
| 85° | 15.7 | 11.7 | 19.6 | 27.4 | 39.2 | 35.2 | 27.4 | 19.6 | 7.8 | 0.0 | 0.0 |
| 87.5° | 7.8 | 7.8 | 7.8 | 7.8 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 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)