

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: P944072

Luminaire Tested: **GLAN-SB8D-835-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 75656 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

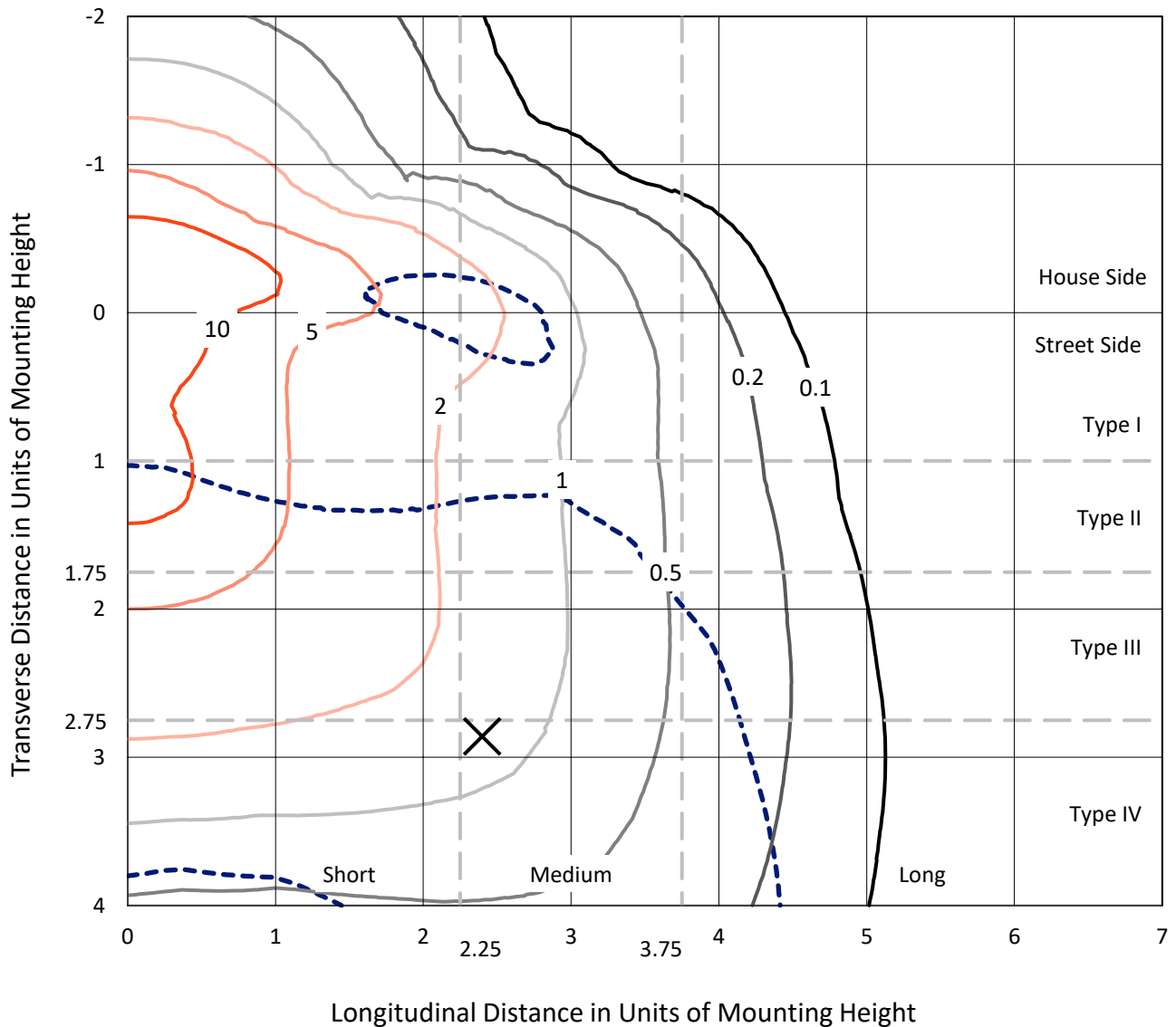
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P944072  
 CATALOG NUMBER: GLAN-SB8D-835-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

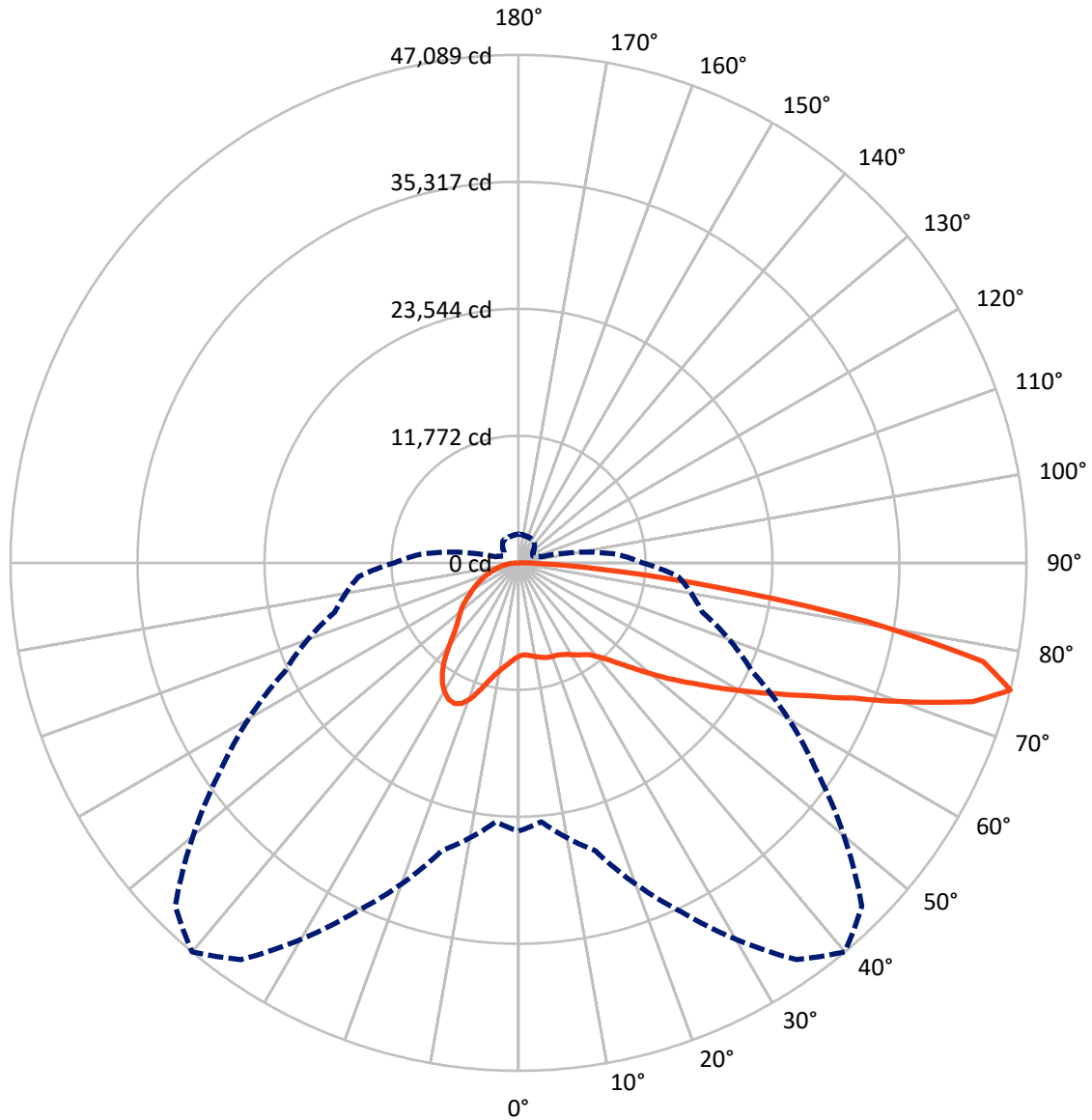
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P944072  
CATALOG NUMBER: GLAN-SB8D-835-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P944072  
 CATALOG NUMBER: GLAN-SB8D-835-U-SL4

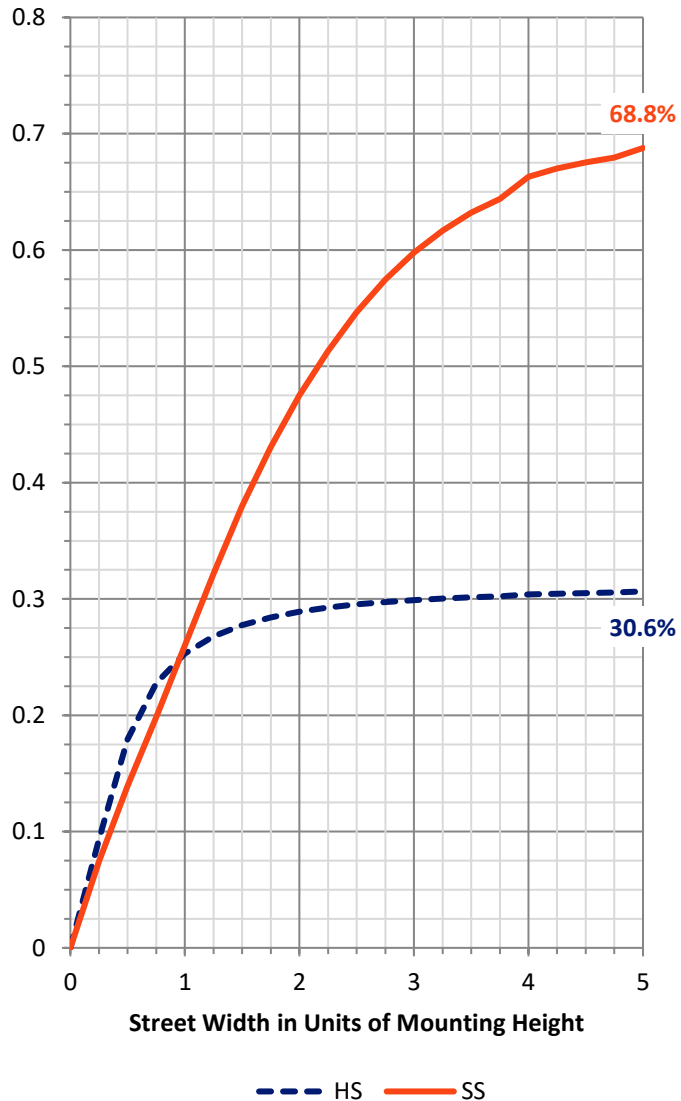
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 23440.8  | 0.0    | 23440.8 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 52215.2  | 0.0    | 52215.2 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 75656.0  | 0.0    | 75656.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 863.6   | 1.1       |
| 10°-20°   | 2899.4  | 3.8       |
| 20°-30°   | 5294.1  | 7.0       |
| 30°-40°   | 7508.5  | 9.9       |
| 40°-50°   | 10138.7 | 13.4      |
| 50°-60°   | 13639.2 | 18.0      |
| 60°-70°   | 17311.3 | 22.9      |
| 70°-80°   | 15711.1 | 20.8      |
| 80°-90°   | 2290.2  | 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°    | 75656.0 | 100.0     |
| 0°-180°   | 75656.0 | 100.0     |

**Coefficient of Utilization**

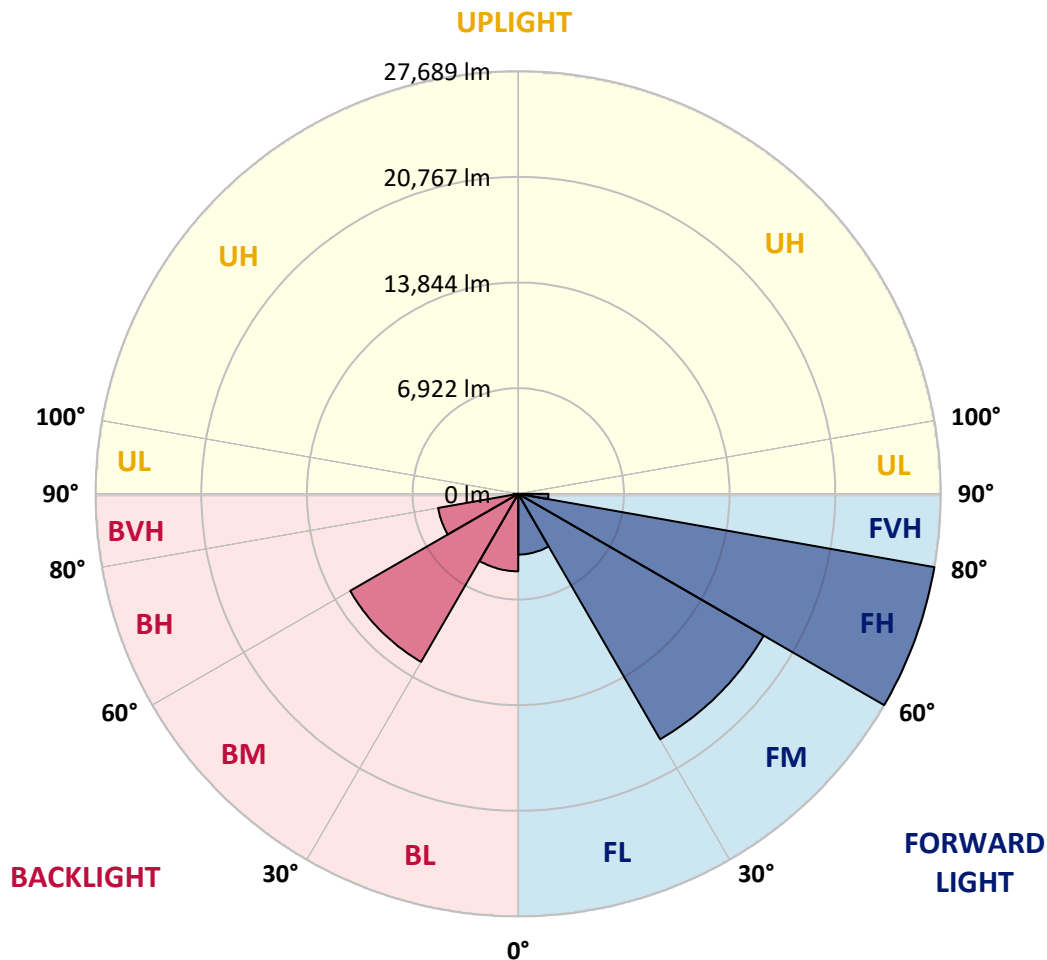


REPORT NUMBER: P944072  
 CATALOG NUMBER: GLAN-SB8D-835-U-SL4

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|---------|-----------|-------------------------|------|--------|
|                |         |           | B                       | U    | G      |
| FL (0°-30°)    | 3979.6  | 5.3       |                         |      |        |
| FM (30°-60°)   | 18571.9 | 24.5      |                         |      |        |
| FH (60°-80°)   | 27688.9 | 36.6      |                         |      | G5     |
| FVH (80°-90°)  | 1974.9  | 2.6       |                         |      | G5     |
| BL (0°-30°)    | 5077.5  | 6.7       | B5                      |      |        |
| BM (30°-60°)   | 12714.5 | 16.8      | B5                      |      |        |
| BH (60°-80°)   | 5333.5  | 7.0       | B5                      |      | G5     |
| BVH (80°-90°)  | 315.3   | 0.4       |                         |      | G3/500 |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**  
 Type IV Medium



REPORT NUMBER: P944072  
 CATALOG NUMBER: GLAN-SB8D-835-U-SL4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  |
| 2.5°  | 8518.9  | 8567.1  | 8555.1  | 8539.0  | 8539.0  | 8543.0  | 8539.0  | 8567.1  | 8595.2  | 8623.3  |
| 5°    | 8607.2  | 8655.4  | 8631.3  | 8611.2  | 8595.2  | 8591.2  | 8579.1  | 8575.1  | 8591.2  | 8627.3  |
| 7.5°  | 8779.8  | 8827.9  | 8791.8  | 8755.7  | 8723.6  | 8707.5  | 8691.5  | 8667.4  | 8655.4  | 8675.4  |
| 10°   | 8972.4  | 9020.5  | 8976.4  | 8912.2  | 8860.0  | 8840.0  | 8823.9  | 8799.8  | 8783.8  | 8795.8  |
| 12.5° | 9165.0  | 9213.1  | 9153.0  | 9064.7  | 8996.5  | 8984.4  | 8964.4  | 8956.3  | 8952.3  | 8948.3  |
| 15°   | 9345.6  | 9385.7  | 9309.4  | 9205.1  | 9132.9  | 9112.8  | 9092.8  | 9104.8  | 9124.9  | 9148.9  |
| 17.5° | 9486.0  | 9526.1  | 9413.8  | 9277.3  | 9209.1  | 9201.1  | 9189.1  | 9229.2  | 9285.4  | 9345.6  |
| 20°   | 9614.4  | 9654.5  | 9510.1  | 9325.5  | 9245.2  | 9245.2  | 9249.3  | 9333.5  | 9413.8  | 9502.1  |
| 22.5° | 9795.0  | 9827.1  | 9650.5  | 9397.7  | 9281.4  | 9289.4  | 9321.5  | 9405.8  | 9506.1  | 9626.4  |
| 25°   | 10063.8 | 10087.9 | 9871.2  | 9534.2  | 9401.7  | 9425.8  | 9453.9  | 9494.0  | 9590.3  | 9730.8  |
| 27.5° | 10497.2 | 10517.3 | 10232.4 | 9774.9  | 9574.3  | 9614.4  | 9654.5  | 9626.4  | 9670.6  | 9791.0  |
| 30°   | 11107.1 | 11119.2 | 10758.0 | 10152.1 | 9867.2  | 9887.3  | 9895.3  | 9778.9  | 9694.7  | 9791.0  |
| 32.5° | 11829.4 | 11825.4 | 11396.0 | 10609.6 | 10200.3 | 10180.2 | 10112.0 | 9883.3  | 9686.6  | 9770.9  |
| 35°   | 12949.0 | 12904.8 | 12351.1 | 11251.6 | 10577.5 | 10453.1 | 10292.6 | 9999.6  | 9726.8  | 9750.8  |
| 37.5° | 14802.8 | 14666.4 | 13900.0 | 12302.9 | 11139.2 | 10822.2 | 10585.5 | 10188.2 | 9815.0  | 9742.8  |
| 40°   | 16893.4 | 16720.9 | 15878.2 | 13743.5 | 11981.9 | 11472.3 | 11091.1 | 10457.1 | 9959.5  | 9778.9  |
| 42.5° | 19373.3 | 19128.5 | 18221.6 | 15440.8 | 13049.3 | 12310.9 | 11737.1 | 10798.2 | 10172.2 | 9895.3  |
| 45°   | 22418.9 | 22093.9 | 20809.8 | 17354.9 | 14393.5 | 13410.4 | 12644.0 | 11315.8 | 10497.2 | 10120.0 |
| 47.5° | 25496.6 | 25576.9 | 23751.1 | 19545.8 | 16006.6 | 14766.7 | 13779.6 | 12094.3 | 10970.7 | 10481.2 |
| 50°   | 28767.0 | 28823.2 | 26676.4 | 21973.5 | 17836.4 | 16299.6 | 15055.6 | 12965.0 | 11628.8 | 10994.8 |
| 52.5° | 31319.1 | 31327.1 | 29332.8 | 24513.5 | 19742.4 | 17984.9 | 16432.0 | 13960.2 | 12391.2 | 11676.9 |
| 55°   | 32916.1 | 32896.1 | 31194.7 | 26917.1 | 21933.4 | 19754.5 | 17956.8 | 15091.7 | 13322.1 | 12479.5 |
| 57.5° | 34075.8 | 34015.6 | 32478.7 | 28983.7 | 24268.8 | 21845.1 | 19682.3 | 16375.8 | 14421.6 | 13434.5 |
| 60°   | 34517.2 | 34481.1 | 33349.5 | 30769.3 | 26724.5 | 24156.4 | 21672.6 | 17812.3 | 15669.6 | 14562.1 |
| 62.5° | 34685.7 | 34753.9 | 34204.2 | 32498.8 | 29352.8 | 26716.5 | 23859.5 | 19529.8 | 17074.0 | 15838.1 |
| 65°   | 35279.6 | 35404.0 | 35291.6 | 34762.0 | 32322.2 | 29714.0 | 26760.6 | 21572.2 | 18606.9 | 17206.4 |
| 67.5° | 36455.3 | 36579.7 | 36627.9 | 37470.5 | 35949.7 | 33449.8 | 30380.1 | 24116.3 | 20400.5 | 18626.9 |
| 70°   | 36427.2 | 36391.1 | 37241.8 | 39625.3 | 40492.1 | 38622.2 | 35259.5 | 27246.2 | 22539.3 | 19806.6 |
| 72.5° | 33156.9 | 32868.0 | 34878.3 | 39601.3 | 44272.0 | 44023.2 | 41218.4 | 31282.9 | 24385.1 | 19951.1 |
| 75°   | 24874.7 | 24104.2 | 27655.5 | 35688.9 | 44902.0 | 47088.9 | 45006.4 | 33786.9 | 23947.7 | 17627.8 |
| 77.5° | 10637.6 | 9863.2  | 14048.4 | 26419.6 | 40187.1 | 44019.2 | 41531.4 | 29477.2 | 19116.5 | 11656.9 |
| 80°   | 2784.8  | 2780.8  | 4245.4  | 11977.9 | 27330.4 | 32506.8 | 28518.2 | 19036.2 | 10922.5 | 4165.2  |
| 82.5° | 1151.6  | 1123.6  | 1560.9  | 4658.7  | 13354.2 | 18241.7 | 14887.1 | 8490.9  | 3944.5  | 1127.6  |
| 85°   | 429.4   | 425.3   | 758.4   | 1609.1  | 4710.9  | 7523.8  | 5445.2  | 2170.9  | 983.1   | 549.7   |
| 87.5° | 120.4   | 116.4   | 164.5   | 557.8   | 1147.6  | 1741.5  | 930.9   | 357.1   | 276.9   | 216.7   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P944072  
 CATALOG NUMBER: GLAN-SB8D-835-U-SL4

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8651.4  | 0°    | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  | 8651.4  |
| 8667.4  | 2.5°  | 8679.5  | 8699.5  | 8735.6  | 8763.7  | 8799.8  | 8840.0  | 8896.1  | 8932.3  | 8968.4  | 8992.4  |
| 8687.5  | 5°    | 8715.6  | 8759.7  | 8852.0  | 8944.3  | 9052.6  | 9153.0  | 9269.3  | 9353.6  | 9421.8  | 9441.9  |
| 8759.7  | 7.5°  | 8795.8  | 8868.0  | 9024.5  | 9181.0  | 9353.6  | 9518.1  | 9686.6  | 9831.1  | 9947.5  | 9991.6  |
| 8888.1  | 10°   | 8936.3  | 9032.6  | 9253.3  | 9474.0  | 9702.7  | 9955.5  | 10172.2 | 10380.8 | 10545.4 | 10613.6 |
| 9040.6  | 12.5° | 9112.8  | 9233.2  | 9522.1  | 9827.1  | 10144.1 | 10493.2 | 10774.1 | 11030.9 | 11235.5 | 11327.8 |
| 9253.3  | 15°   | 9341.5  | 9498.0  | 9867.2  | 10276.5 | 10742.0 | 11227.5 | 11584.6 | 11869.5 | 12098.3 | 12210.6 |
| 9474.0  | 17.5° | 9590.3  | 9799.0  | 10264.5 | 10882.4 | 11548.5 | 12186.5 | 12603.9 | 12812.5 | 13049.3 | 13157.6 |
| 9678.6  | 20°   | 9831.1  | 10087.9 | 10754.0 | 11652.9 | 12539.7 | 13217.8 | 13554.9 | 13611.1 | 13627.1 | 13639.1 |
| 9871.2  | 22.5° | 10079.9 | 10425.0 | 11368.0 | 12623.9 | 13574.9 | 14044.4 | 14092.6 | 13851.8 | 13514.7 | 13358.3 |
| 10059.8 | 25°   | 10352.7 | 10810.2 | 12170.5 | 13695.3 | 14465.8 | 14521.9 | 14152.8 | 13566.9 | 12928.9 | 12636.0 |
| 10212.3 | 27.5° | 10617.6 | 11255.6 | 13133.5 | 14718.6 | 15107.8 | 14614.2 | 13819.7 | 12989.1 | 12218.6 | 11909.7 |
| 10320.6 | 30°   | 10882.4 | 11765.2 | 14196.9 | 15613.4 | 15400.7 | 14385.5 | 13294.0 | 12367.1 | 11592.7 | 11267.6 |
| 10416.9 | 32.5° | 11151.3 | 12359.1 | 15420.8 | 16259.4 | 15348.5 | 13900.0 | 12640.0 | 11668.9 | 10986.8 | 10645.7 |
| 10501.2 | 35°   | 11456.2 | 13089.4 | 16580.4 | 16612.5 | 14999.4 | 13185.7 | 11777.3 | 10834.3 | 10240.4 | 9967.5  |
| 10601.5 | 37.5° | 11853.5 | 14016.3 | 17603.7 | 16700.8 | 14389.5 | 12138.4 | 10705.9 | 9847.1  | 9357.6  | 9233.2  |
| 10750.0 | 40°   | 12347.1 | 15131.9 | 18386.2 | 16560.4 | 13486.7 | 10866.4 | 9534.2  | 8848.0  | 8571.1  | 8599.2  |
| 10950.6 | 42.5° | 12989.1 | 16379.8 | 18935.9 | 16199.2 | 12230.7 | 9554.2  | 8506.9  | 8201.9  | 8334.4  | 8446.7  |
| 11251.6 | 45°   | 13823.7 | 17675.9 | 19277.0 | 15585.3 | 10810.2 | 8442.7  | 7901.0  | 7973.2  | 8073.5  | 8085.6  |
| 11737.1 | 47.5° | 14891.1 | 18988.1 | 19501.7 | 14658.4 | 9361.6  | 7660.2  | 7515.8  | 7531.8  | 7511.8  | 7427.5  |
| 12463.4 | 50°   | 16223.3 | 20264.1 | 19702.3 | 13430.5 | 8129.7  | 7170.7  | 6978.1  | 6921.9  | 6645.0  | 6372.2  |
| 13430.5 | 52.5° | 17740.1 | 21435.8 | 19786.6 | 11905.7 | 7170.7  | 6761.4  | 6448.4  | 6095.3  | 5577.6  | 5493.4  |
| 14646.3 | 55°   | 19425.4 | 22519.2 | 19569.9 | 10031.7 | 6364.1  | 6235.7  | 5762.2  | 5336.9  | 5280.7  | 5208.5  |
| 16247.4 | 57.5° | 21439.8 | 23686.9 | 19128.5 | 7941.1  | 5537.5  | 5621.8  | 5160.3  | 5208.5  | 5108.2  | 4995.8  |
| 18305.9 | 60°   | 23642.8 | 24894.7 | 18354.1 | 6035.1  | 4682.8  | 4855.4  | 5003.8  | 4999.8  | 4971.7  | 4879.4  |
| 20476.8 | 62.5° | 25625.1 | 25689.3 | 16829.2 | 4622.6  | 3932.4  | 4261.5  | 4666.8  | 4662.7  | 4638.7  | 4586.5  |
| 22743.9 | 65°   | 26804.8 | 25568.9 | 14285.2 | 3639.5  | 3314.5  | 3771.9  | 4209.3  | 4241.4  | 4245.4  | 4241.4  |
| 24449.3 | 67.5° | 26596.1 | 24160.4 | 10794.1 | 2897.2  | 2804.9  | 3274.4  | 3755.9  | 3800.0  | 3832.1  | 3840.1  |
| 24666.0 | 70°   | 24236.7 | 21066.6 | 7038.3  | 2311.3  | 2351.4  | 2837.0  | 3326.5  | 3370.7  | 3398.8  | 3430.9  |
| 21403.7 | 72.5° | 18891.8 | 15489.0 | 4028.7  | 1869.9  | 1954.2  | 2459.8  | 2901.2  | 2953.3  | 2969.4  | 3029.6  |
| 14895.1 | 75°   | 11512.4 | 9108.8  | 2174.9  | 1472.7  | 1605.1  | 2102.7  | 2479.8  | 2540.0  | 2568.1  | 2640.4  |
| 7315.1  | 77.5° | 5473.3  | 3944.5  | 1239.9  | 1147.6  | 1292.1  | 1717.4  | 2094.6  | 2162.8  | 2086.6  | 2126.7  |
| 2018.4  | 80°   | 1849.9  | 1464.6  | 782.5   | 874.8   | 987.1   | 1340.2  | 1677.3  | 1745.5  | 1585.0  | 1577.0  |
| 670.1   | 82.5° | 646.0   | 593.9   | 497.6   | 581.8   | 638.0   | 959.0   | 1268.0  | 1356.3  | 1179.7  | 1175.7  |
| 301.0   | 85°   | 252.8   | 240.8   | 276.9   | 317.0   | 381.2   | 589.9   | 834.6   | 878.8   | 726.3   | 585.9   |
| 88.3    | 87.5° | 52.2    | 56.2    | 68.2    | 72.2    | 116.4   | 204.6   | 301.0   | 369.2   | 292.9   | 248.8   |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END O



| 180°    |
|---------|
| 8651.4  |
| 8976.4  |
| 9449.9  |
| 9995.6  |
| 10617.6 |
| 11327.8 |
| 12202.6 |
| 13153.6 |
| 13671.2 |
| 13402.4 |
| 12680.1 |
| 11945.8 |
| 11303.8 |
| 10689.8 |
| 10027.7 |
| 9321.5  |
| 8695.5  |
| 8551.0  |
| 8165.8  |
| 7491.7  |
| 6408.3  |
| 5521.5  |
| 5220.5  |
| 4975.7  |
| 4847.3  |
| 4566.4  |
| 4241.4  |
| 3848.2  |
| 3446.9  |
| 3053.7  |
| 2648.4  |
| 2094.6  |
| 1560.9  |
| 1119.5  |
| 577.8   |
| 228.7   |
| 0.0     |

F REPORT)