

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: P957562

Luminaire Tested: **GLAN-SB9D-850-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-850-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 88121 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B5 - U0 - G5

Input Watts (W): 658  
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

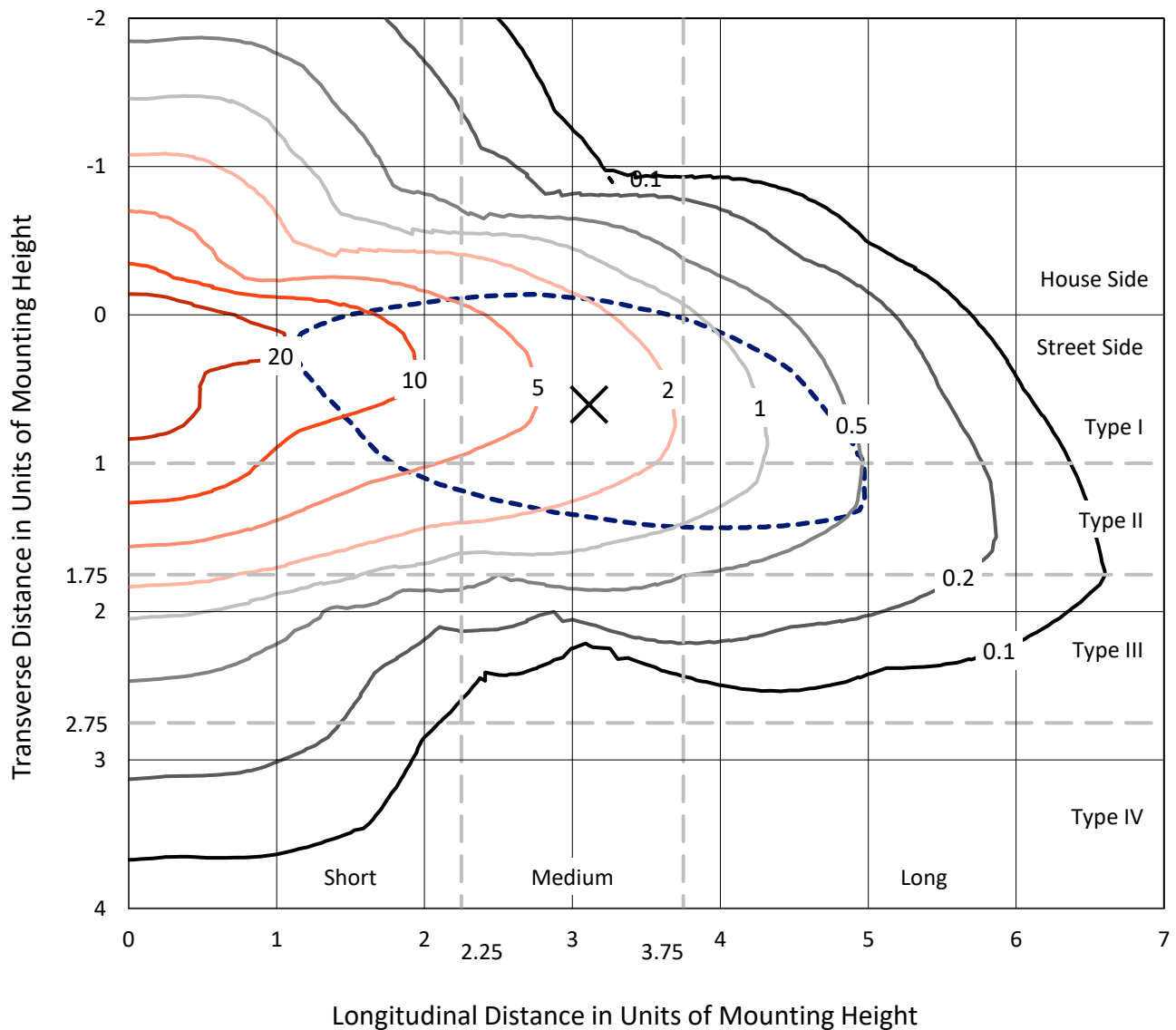


REPORT NUMBER: P957562

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## Iso-Footcandle Lines of Horizontal Illumination

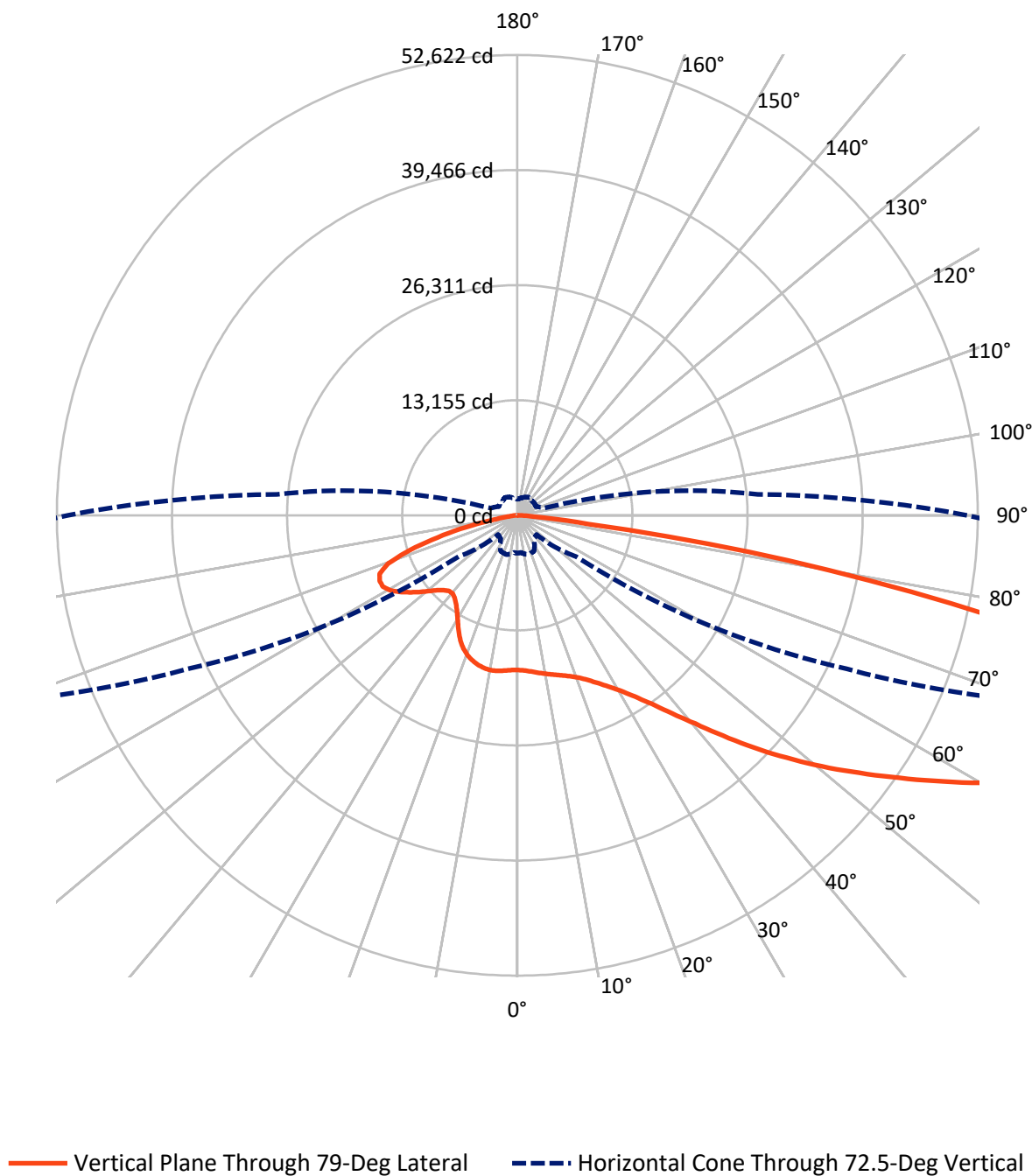
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.4 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 19391.5  | 0.0    | 19391.5 |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 68729.5  | 0.0    | 68729.5 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 88121.0  | 0.0    | 88121.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1605.7  | 1.8       |
| 10°-20°   | 4198.1  | 4.8       |
| 20°-30°   | 6774.0  | 7.7       |
| 30°-40°   | 10166.8 | 11.5      |
| 40°-50°   | 14422.2 | 16.4      |
| 50°-60°   | 18213.3 | 20.7      |
| 60°-70°   | 18498.1 | 21.0      |
| 70°-80°   | 12607.3 | 14.3      |
| 80°-90°   | 1635.7  | 1.9       |
| 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°    | 88121.0 | 100.0     |
| 0°-180°   | 88121.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P957562

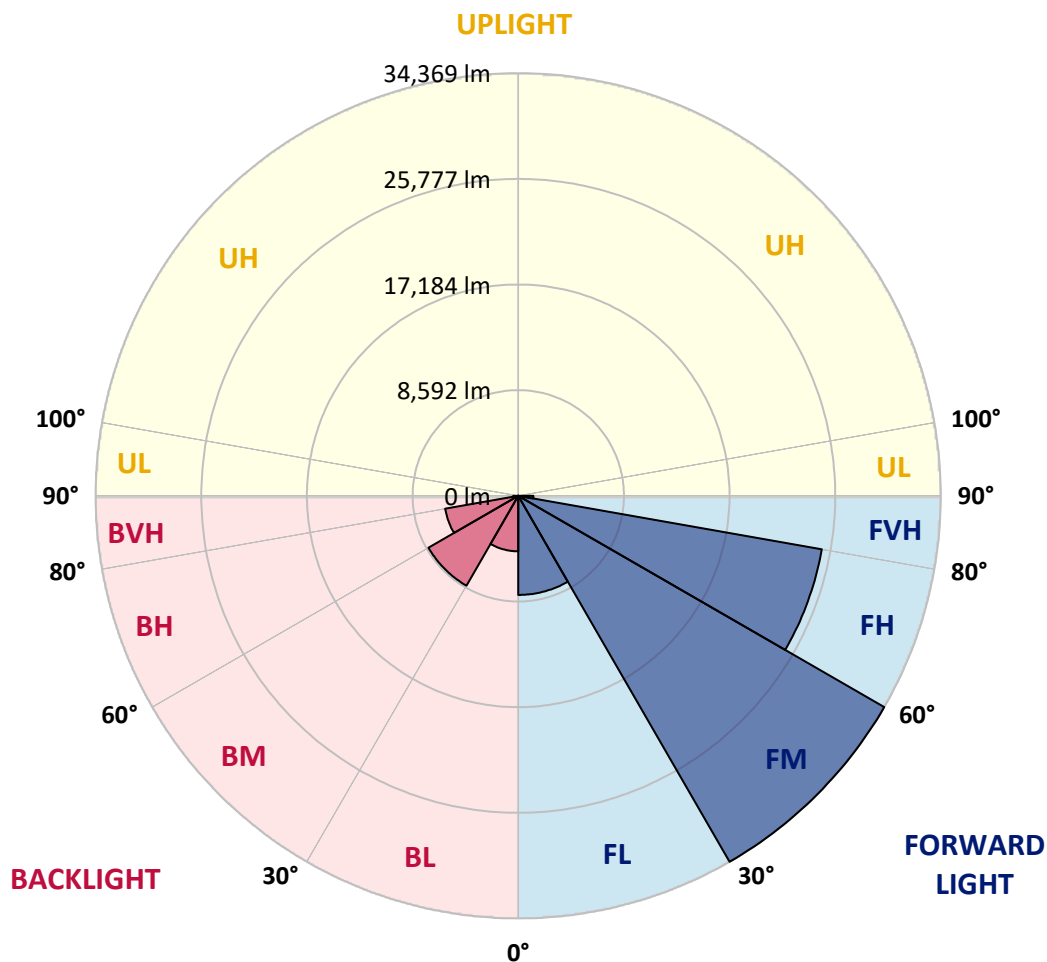
CATALOG NUMBER: GLAN-SB9D-850-U-SL2

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 8060.9  | 9.1       |                         |      |        |
| FM   | (30°-60°)   | 34369.0 | 39.0      |                         |      |        |
| FH   | (60°-80°)   | 25067.4 | 28.4      |                         |      | G5     |
| FVH  | (80°-90°)   | 1232.2  | 1.4       |                         |      | G5     |
| BL   | (0°-30°)    | 4516.8  | 5.1       | B4/5000                 |      |        |
| BM   | (30°-60°)   | 8433.2  | 9.6       | B4/8500                 |      |        |
| BH   | (60°-80°)   | 6037.9  | 6.9       | B5                      |      | G5     |
| BVH  | (80°-90°)   | 403.5   | 0.5       |                         |      | 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 II Medium



REPORT NUMBER: P957562

CATALOG NUMBER: GLAN-SB9D-850-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 |
| 2.5°  | 17698.8 | 17614.9 | 17666.1 | 17647.5 | 17670.8 | 17698.8 | 17708.1 | 17722.1 | 17768.7 | 17764.0 |
| 5°    | 17661.5 | 17577.6 | 17647.5 | 17624.2 | 17684.8 | 17750.0 | 17806.0 | 17857.3 | 17931.8 | 17964.5 |
| 7.5°  | 17582.2 | 17526.3 | 17596.2 | 17666.1 | 17778.0 | 17875.9 | 17955.1 | 18071.7 | 18178.9 | 18197.5 |
| 10°   | 17120.8 | 17078.8 | 17242.0 | 17423.8 | 17731.4 | 17997.1 | 18169.6 | 18304.7 | 18421.3 | 18439.9 |
| 12.5° | 16640.7 | 16589.4 | 16771.2 | 17018.2 | 17517.0 | 17997.1 | 18360.7 | 18537.8 | 18640.3 | 18700.9 |
| 15°   | 16561.4 | 16519.5 | 16622.0 | 16836.4 | 17251.3 | 17871.2 | 18491.2 | 18817.5 | 18906.0 | 18976.0 |
| 17.5° | 16943.7 | 16864.4 | 16906.4 | 16980.9 | 17223.3 | 17754.7 | 18593.7 | 19134.4 | 19269.6 | 19344.2 |
| 20°   | 17829.3 | 17717.4 | 17652.2 | 17503.0 | 17461.1 | 17773.4 | 18584.4 | 19516.7 | 19693.8 | 19787.0 |
| 22.5° | 19008.6 | 18934.0 | 18794.2 | 18416.6 | 18006.4 | 18001.8 | 18761.5 | 20006.1 | 20337.0 | 20425.6 |
| 25°   | 20434.9 | 20323.1 | 20145.9 | 19633.2 | 18845.4 | 18453.9 | 19059.9 | 20630.7 | 21185.4 | 21208.7 |
| 27.5° | 22075.7 | 21907.9 | 21665.5 | 20989.6 | 19926.9 | 19162.4 | 19516.7 | 21348.5 | 22159.6 | 22150.3 |
| 30°   | 23805.0 | 23637.2 | 23380.8 | 22560.5 | 21222.7 | 20118.0 | 20150.6 | 22122.3 | 23315.6 | 23264.3 |
| 32.5° | 25068.2 | 24942.4 | 24891.1 | 24257.2 | 22714.3 | 21246.0 | 20877.7 | 22980.0 | 24741.9 | 24695.3 |
| 35°   | 26037.8 | 25874.6 | 25935.2 | 25613.6 | 24341.1 | 22509.2 | 21768.0 | 24000.8 | 26475.9 | 26471.3 |
| 37.5° | 26998.0 | 26853.5 | 26904.7 | 26690.3 | 25846.6 | 24112.7 | 22854.1 | 25250.0 | 28624.8 | 28727.3 |
| 40°   | 27874.3 | 27720.5 | 27925.6 | 27725.1 | 27016.6 | 25818.7 | 24089.4 | 26662.4 | 31113.9 | 31309.6 |
| 42.5° | 28401.0 | 28279.8 | 28620.1 | 28624.8 | 28032.8 | 27259.0 | 25445.8 | 28219.2 | 33994.5 | 34432.7 |
| 45°   | 28582.8 | 28540.8 | 29053.6 | 29160.8 | 28932.4 | 28093.4 | 26667.0 | 29915.9 | 37098.9 | 37882.0 |
| 47.5° | 28387.0 | 28307.8 | 29016.3 | 29412.5 | 29594.3 | 28484.9 | 27678.5 | 31752.5 | 40268.6 | 41415.2 |
| 50°   | 27398.8 | 27245.0 | 28298.5 | 29132.8 | 29780.7 | 28741.3 | 28699.3 | 33873.3 | 43871.7 | 45125.6 |
| 52.5° | 25622.9 | 25506.4 | 26704.3 | 28154.0 | 29370.6 | 28867.1 | 29846.0 | 36190.0 | 47293.1 | 48915.2 |
| 55°   | 23352.9 | 23199.1 | 24518.2 | 26410.7 | 28349.7 | 28825.2 | 30992.7 | 38781.6 | 51329.7 | 52975.1 |
| 57.5° | 19754.4 | 19446.7 | 21115.5 | 23352.9 | 26685.7 | 28773.9 | 32185.9 | 41359.3 | 55431.6 | 57403.3 |
| 60°   | 14505.8 | 14049.0 | 16095.3 | 18747.6 | 23432.1 | 28275.2 | 33663.6 | 44249.3 | 60353.9 | 62129.8 |
| 62.5° | 8446.2  | 8180.5  | 9518.3  | 11993.4 | 17661.5 | 25338.6 | 34493.3 | 47610.0 | 65192.3 | 67056.8 |
| 65°   | 6558.4  | 6483.8  | 6600.3  | 6791.4  | 9830.6  | 18971.3 | 31934.2 | 50886.9 | 71345.1 | 72650.3 |
| 67.5° | 5999.0  | 5943.1  | 5994.4  | 5635.5  | 4987.5  | 10567.1 | 25264.0 | 51716.6 | 77936.1 | 78728.6 |
| 70°   | 5332.5  | 5267.2  | 5435.0  | 5127.4  | 3924.8  | 4805.8  | 16323.7 | 48705.4 | 83180.0 | 84667.0 |
| 72.5° | 4344.3  | 4269.7  | 4661.3  | 4521.4  | 3304.8  | 3085.7  | 8199.1  | 41550.4 | 82630.0 | 85715.8 |
| 75°   | 3337.5  | 3295.5  | 3761.6  | 3878.2  | 2694.2  | 2428.5  | 3934.1  | 30885.5 | 72715.5 | 75824.6 |
| 77.5° | 2591.7  | 2559.0  | 2796.8  | 3220.9  | 2172.1  | 1883.1  | 2419.2  | 19591.2 | 54797.7 | 55343.0 |
| 80°   | 1943.7  | 1850.5  | 2069.6  | 2493.8  | 1692.0  | 1375.1  | 1640.8  | 11424.7 | 34637.8 | 31398.2 |
| 82.5° | 1216.6  | 1170.0  | 1351.8  | 1664.1  | 1193.3  | 946.2   | 1067.4  | 6311.3  | 13881.2 | 8175.8  |
| 85°   | 694.5   | 675.9   | 736.5   | 950.9   | 647.9   | 545.4   | 610.6   | 2787.4  | 2535.7  | 1743.3  |
| 87.5° | 279.7   | 270.4   | 335.6   | 424.2   | 237.7   | 200.4   | 214.4   | 671.2   | 559.4   | 517.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P957562

CATALOG NUMBER: GLAN-SB9D-850-U-SL2

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 17689.5 | 0°    | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 | 17689.5 |
| 17759.4 | 2.5°  | 17740.7 | 17740.7 | 17675.5 | 17572.9 | 17456.4 | 17381.8 | 17260.6 | 17228.0 | 17102.1 | 17064.8 |
| 17917.9 | 5°    | 17955.1 | 17917.9 | 17717.4 | 17428.4 | 17032.2 | 16668.6 | 16267.8 | 16016.1 | 15661.8 | 15536.0 |
| 18230.2 | 7.5°  | 18225.5 | 18122.9 | 17778.0 | 17144.1 | 16314.4 | 15498.7 | 14650.3 | 14007.1 | 13391.8 | 13172.7 |
| 18486.5 | 10°   | 18472.5 | 18328.0 | 17740.7 | 16631.3 | 15195.7 | 13783.3 | 12431.6 | 11485.3 | 10767.5 | 10473.8 |
| 18770.9 | 12.5° | 18719.6 | 18453.9 | 17493.7 | 15778.3 | 13606.2 | 11690.4 | 10250.1 | 9513.6  | 9070.8  | 8716.5  |
| 19003.9 | 15°   | 18952.7 | 18579.8 | 17111.5 | 14636.3 | 11862.9 | 9919.1  | 8856.4  | 8269.1  | 7914.8  | 7681.7  |
| 19344.2 | 17.5° | 19223.0 | 18687.0 | 16538.1 | 13186.7 | 10203.5 | 8693.2  | 7826.2  | 7472.0  | 7402.1  | 7374.1  |
| 19810.3 | 20°   | 19600.6 | 18784.8 | 15783.0 | 11564.6 | 8982.2  | 7714.4  | 7266.9  | 7234.3  | 7229.6  | 7215.6  |
| 20369.7 | 22.5° | 20006.1 | 18901.4 | 14785.5 | 10091.6 | 7942.8  | 7103.7  | 7024.5  | 6959.2  | 6917.3  | 6912.6  |
| 21045.6 | 25°   | 20486.2 | 18938.7 | 13536.3 | 8884.3  | 7057.1  | 6814.8  | 6721.5  | 6623.6  | 6595.7  | 6595.7  |
| 21814.7 | 27.5° | 20952.3 | 18812.8 | 12082.0 | 7835.6  | 6558.4  | 6549.1  | 6427.9  | 6395.2  | 6390.6  | 6404.6  |
| 22691.0 | 30°   | 21418.5 | 18575.1 | 10637.0 | 6866.0  | 6269.4  | 6269.4  | 6227.4  | 6250.7  | 6269.4  | 6316.0  |
| 23893.6 | 32.5° | 22047.7 | 18323.4 | 9429.7  | 6148.2  | 6017.7  | 5971.1  | 6013.0  | 6059.6  | 6078.3  | 6138.9  |
| 25473.7 | 35°   | 22970.7 | 18146.3 | 8469.5  | 5756.6  | 5756.6  | 5696.1  | 5719.4  | 5710.0  | 5668.1  | 5640.1  |
| 27384.9 | 37.5° | 24191.9 | 18136.9 | 7677.1  | 5574.9  | 5537.6  | 5528.2  | 5532.9  | 5472.3  | 5309.2  | 5113.4  |
| 29696.8 | 40°   | 25660.2 | 18388.6 | 7066.5  | 5449.0  | 5421.0  | 5477.0  | 5449.0  | 5285.9  | 4838.4  | 4498.1  |
| 32540.2 | 42.5° | 27631.9 | 19106.5 | 6674.9  | 5295.2  | 5379.1  | 5449.0  | 5337.1  | 4773.1  | 4470.1  | 4241.7  |
| 35779.8 | 45°   | 29953.2 | 20271.8 | 6474.5  | 5132.0  | 5299.8  | 5383.7  | 4843.0  | 4596.0  | 4353.6  | 4078.6  |
| 39313.0 | 47.5° | 32582.2 | 21740.1 | 6427.9  | 4978.2  | 5122.7  | 5174.0  | 4633.3  | 4521.4  | 4246.4  | 3948.1  |
| 42864.9 | 50°   | 35444.2 | 23478.7 | 6553.7  | 4796.4  | 4866.3  | 4689.2  | 4563.4  | 4460.8  | 4176.5  | 3882.8  |
| 46505.3 | 52.5° | 38404.1 | 25394.5 | 6805.4  | 4549.4  | 4610.0  | 4414.2  | 4535.4  | 4446.8  | 4134.5  | 3738.3  |
| 50266.9 | 55°   | 41312.7 | 27324.3 | 7047.8  | 4260.4  | 4348.9  | 4167.2  | 4456.2  | 4390.9  | 3943.4  | 3495.9  |
| 54280.3 | 57.5° | 44267.9 | 29244.7 | 7285.5  | 4004.0  | 4097.2  | 3929.4  | 4330.3  | 4241.7  | 3729.0  | 3272.2  |
| 58661.9 | 60°   | 47339.7 | 31109.2 | 7397.4  | 3757.0  | 3822.2  | 3710.4  | 4139.2  | 3985.4  | 3486.6  | 3043.8  |
| 62968.9 | 62.5° | 50215.7 | 32661.4 | 7215.6  | 3509.9  | 3551.9  | 3505.3  | 3887.5  | 3682.4  | 3244.2  | 2787.4  |
| 67457.6 | 65°   | 53101.0 | 33584.3 | 6656.3  | 3267.5  | 3276.9  | 3253.6  | 3533.2  | 3356.1  | 2959.9  | 2563.7  |
| 71387.1 | 67.5° | 55716.0 | 34101.7 | 5766.0  | 3006.5  | 2983.2  | 2973.9  | 3202.3  | 3001.8  | 2684.9  | 2339.9  |
| 74374.9 | 70°   | 56270.6 | 32787.2 | 4404.9  | 2698.9  | 2698.9  | 2675.6  | 2838.7  | 2633.6  | 2381.9  | 2102.2  |
| 72235.4 | 72.5° | 51395.0 | 27580.6 | 3127.7  | 2349.3  | 2386.6  | 2339.9  | 2475.1  | 2302.7  | 2074.3  | 1887.8  |
| 62255.7 | 75°   | 41443.2 | 20225.2 | 2274.7  | 1990.4  | 2055.6  | 1976.4  | 2102.2  | 1981.0  | 1785.3  | 1780.6  |
| 42902.2 | 77.5° | 28475.6 | 12506.1 | 1650.1  | 1640.8  | 1687.4  | 1584.8  | 1729.3  | 1664.1  | 1486.9  | 1407.7  |
| 18673.0 | 80°   | 12151.9 | 4987.5  | 1202.6  | 1267.9  | 1267.9  | 1174.6  | 1342.4  | 1361.1  | 1207.3  | 1170.0  |
| 3603.1  | 82.5° | 2419.2  | 1417.0  | 843.7   | 871.7   | 820.4   | 792.4   | 950.9   | 1053.4  | 1454.3  | 1617.5  |
| 1086.1  | 85°   | 727.2   | 522.1   | 508.1   | 475.4   | 419.5   | 424.2   | 559.4   | 1058.1  | 1305.2  | 745.8   |
| 358.9   | 87.5° | 200.4   | 130.5   | 135.2   | 107.2   | 88.6    | 116.5   | 191.1   | 801.7   | 438.2   | 186.5   |
| 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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| 180°    |
|---------|
| 17689.5 |
| 17125.4 |
| 15629.2 |
| 13200.7 |
| 10539.1 |
| 8833.1  |
| 7723.7  |
| 7392.7  |
| 7262.2  |
| 6963.9  |
| 6623.6  |
| 6441.9  |
| 6348.6  |
| 6190.1  |
| 5705.4  |
| 5118.1  |
| 4488.8  |
| 4232.4  |
| 4060.0  |
| 3924.8  |
| 3850.2  |
| 3710.4  |
| 3472.6  |
| 3262.9  |
| 3029.8  |
| 2782.8  |
| 2535.7  |
| 2312.0  |
| 2092.9  |
| 1831.9  |
| 1603.5  |
| 1319.1  |
| 1170.0  |
| 1622.1  |
| 643.3   |
| 158.5   |
| 0.0     |