

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: P957130

Luminaire Tested: **GLAN-SB9C-827-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-827-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45332 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 449.8  
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

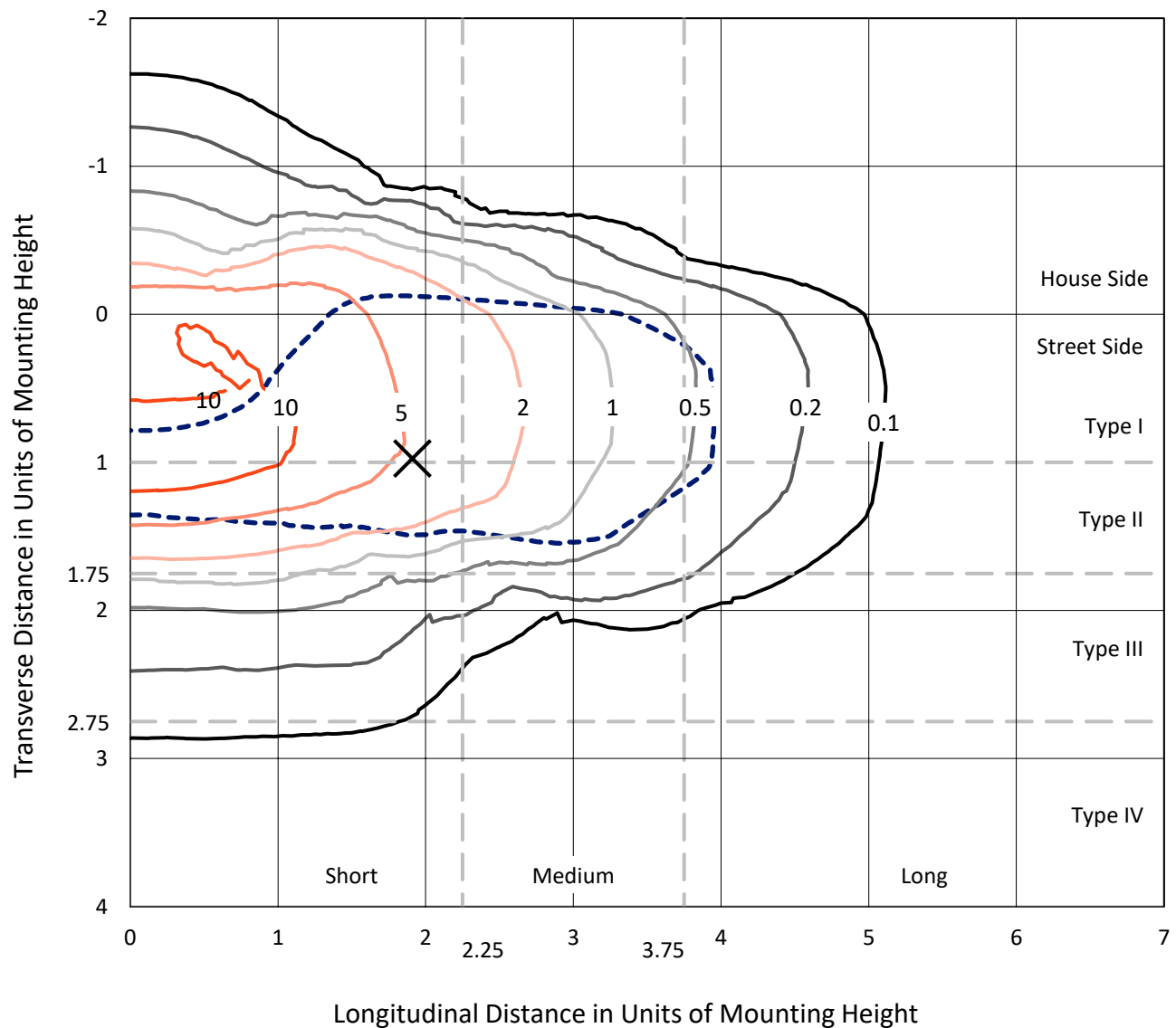


REPORT NUMBER: P957130

CATALOG NUMBER: GLAN-SB9C-827-U-T2U-HSS

## Iso-Footcandle Lines of Horizontal Illumination

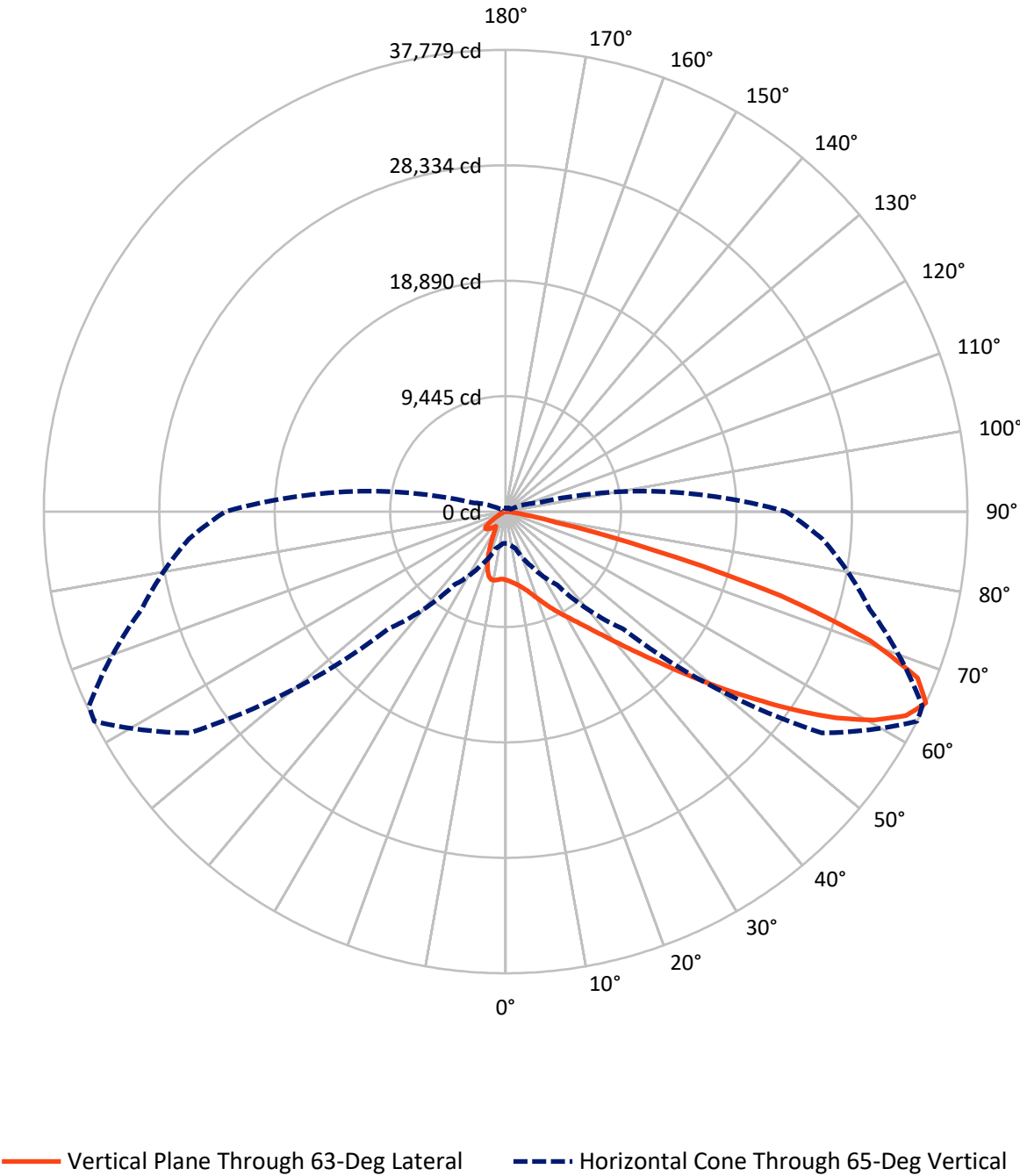
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
Type II - Short - N/A

REPORT NUMBER: P957130  
CATALOG NUMBER: GLAN-SB9C-827-U-T2U-HSS

Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6663.5   | 0.0    | 6663.5  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 38668.6  | 0.0    | 38668.6 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 45332.0  | 0.0    | 45332.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 527.1   | 1.2       |
| 10°-20°   | 1462.6  | 3.2       |
| 20°-30°   | 2546.8  | 5.6       |
| 30°-40°   | 4590.3  | 10.1      |
| 40°-50°   | 9104.0  | 20.1      |
| 50°-60°   | 12401.2 | 27.4      |
| 60°-70°   | 9898.6  | 21.8      |
| 70°-80°   | 4479.3  | 9.9       |
| 80°-90°   | 322.0   | 0.7       |
| 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°    | 45332.0 | 100.0     |
| 0°-180°   | 45332.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P957130

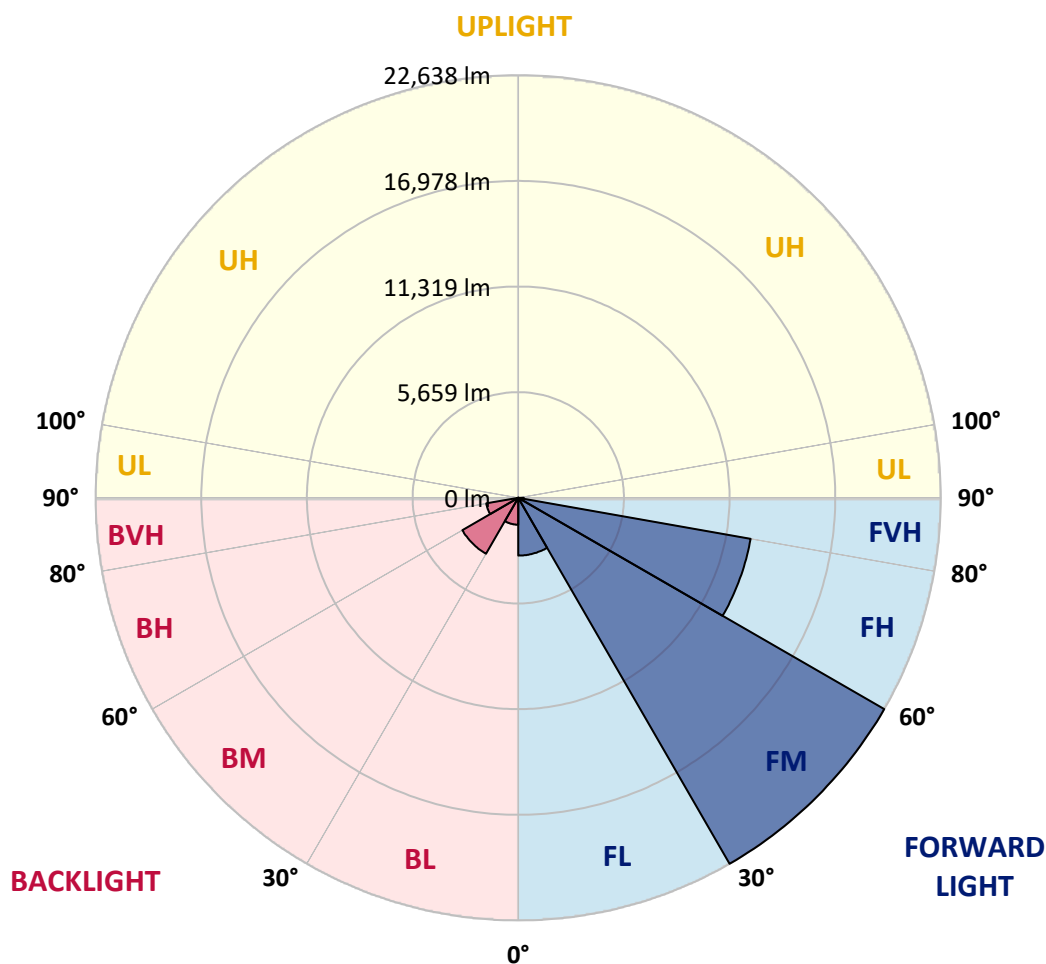
CATALOG NUMBER: GLAN-SB9C-827-U-T2U-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3094.5  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 22637.7 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 12638.3 | 27.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 298.1   | 0.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1442.1  | 3.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3457.9  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1739.6  | 3.8       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 23.9    | 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-G5**

Type II Short



REPORT NUMBER: P957130

CATALOG NUMBER: GLAN-SB9C-827-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5594.8  | 5594.8  | 5594.8  | 5594.8  | 5594.8  | 5594.8  | 5594.8  | 5594.8  | 5594.8  | 5594.8  |
| 2.5°  | 5725.8  | 5710.2  | 5732.0  | 5722.7  | 5716.5  | 5704.0  | 5697.7  | 5691.5  | 5679.0  | 5669.7  |
| 5°    | 5741.4  | 5732.0  | 5753.9  | 5772.6  | 5791.3  | 5810.0  | 5819.4  | 5831.8  | 5819.4  | 5794.4  |
| 7.5°  | 5610.4  | 5604.2  | 5651.0  | 5707.1  | 5791.3  | 5863.0  | 5941.0  | 5984.7  | 5987.8  | 5978.4  |
| 10°   | 5601.1  | 5585.5  | 5632.2  | 5700.9  | 5810.0  | 5937.9  | 6075.1  | 6168.7  | 6181.1  | 6221.7  |
| 12.5° | 5747.6  | 5732.0  | 5797.5  | 5872.4  | 5984.7  | 6118.8  | 6287.2  | 6418.1  | 6436.9  | 6493.0  |
| 15°   | 5994.0  | 5972.2  | 6047.0  | 6143.7  | 6287.2  | 6440.0  | 6617.7  | 6736.2  | 6751.8  | 6820.4  |
| 17.5° | 6280.9  | 6259.1  | 6346.4  | 6449.3  | 6605.3  | 6814.2  | 7020.0  | 7151.0  | 7169.7  | 7213.4  |
| 20°   | 6648.9  | 6620.9  | 6689.5  | 6783.0  | 6948.3  | 7197.8  | 7444.2  | 7631.3  | 7628.2  | 7628.2  |
| 22.5° | 7076.2  | 7032.5  | 7091.8  | 7166.6  | 7322.5  | 7625.1  | 7952.5  | 8173.9  | 8173.9  | 8086.6  |
| 25°   | 7534.6  | 7491.0  | 7556.4  | 7625.1  | 7762.3  | 8105.3  | 8488.9  | 8763.4  | 8775.8  | 8626.1  |
| 27.5° | 8108.4  | 8052.3  | 8102.2  | 8183.3  | 8264.4  | 8613.7  | 9069.0  | 9387.1  | 9393.3  | 9162.5  |
| 30°   | 9212.4  | 9053.4  | 8897.5  | 8810.1  | 8847.6  | 9193.7  | 9680.2  | 10032.6 | 10063.8 | 9745.7  |
| 32.5° | 11233.3 | 11202.1 | 10653.2 | 9936.0  | 9561.7  | 9817.5  | 10363.2 | 10787.3 | 10806.1 | 10397.5 |
| 35°   | 14373.8 | 14336.4 | 13453.8 | 12087.8 | 10868.4 | 10653.2 | 11192.8 | 11694.9 | 11682.4 | 11220.8 |
| 37.5° | 18122.4 | 18088.1 | 16924.8 | 15097.3 | 13123.2 | 11916.3 | 12262.5 | 12789.5 | 12867.5 | 12262.5 |
| 40°   | 21325.2 | 21197.3 | 20461.3 | 18699.3 | 16117.1 | 14012.0 | 13784.4 | 14133.6 | 14214.7 | 13497.4 |
| 42.5° | 23751.5 | 23642.3 | 23268.1 | 22167.2 | 19740.9 | 17111.9 | 15577.6 | 15711.7 | 15802.1 | 14941.4 |
| 45°   | 25008.3 | 24983.4 | 25133.1 | 25030.1 | 23433.4 | 20916.7 | 18141.1 | 17582.8 | 17617.2 | 16541.2 |
| 47.5° | 25186.1 | 25173.6 | 25856.6 | 26823.4 | 26608.2 | 25207.9 | 21431.2 | 19915.6 | 19794.0 | 18346.9 |
| 50°   | 24138.2 | 24113.3 | 25423.1 | 27235.0 | 28728.8 | 28813.0 | 25167.4 | 22544.6 | 22276.4 | 20215.0 |
| 52.5° | 20791.9 | 20785.7 | 22937.5 | 25953.3 | 29474.2 | 31969.1 | 28859.8 | 25432.4 | 24983.4 | 22192.2 |
| 55°   | 15998.6 | 16114.0 | 18580.8 | 22145.4 | 28114.5 | 33487.9 | 32174.9 | 28638.4 | 27949.2 | 24181.9 |
| 57.5° | 11333.1 | 11501.5 | 13940.3 | 17115.1 | 23898.1 | 32589.7 | 34417.2 | 31850.6 | 31108.4 | 26165.3 |
| 60°   | 6087.6  | 6237.3  | 8679.2  | 12468.3 | 17779.3 | 29240.3 | 35599.2 | 34638.6 | 33937.0 | 28049.0 |
| 62.5° | 3627.0  | 3676.9  | 4687.3  | 8049.2  | 12025.4 | 22338.8 | 35097.1 | 36762.4 | 36185.5 | 29630.1 |
| 65°   | 2604.1  | 2613.4  | 3121.8  | 4915.0  | 7300.7  | 13572.3 | 31576.1 | 37779.1 | 37601.3 | 30821.4 |
| 67.5° | 2192.4  | 2186.2  | 2398.2  | 3265.2  | 4974.2  | 6798.6  | 24200.6 | 36341.4 | 37096.1 | 31576.1 |
| 70°   | 1880.5  | 1889.9  | 2139.4  | 2392.0  | 3739.2  | 3848.4  | 12031.7 | 31641.6 | 33250.9 | 31775.7 |
| 72.5° | 1400.3  | 1431.5  | 1662.2  | 2179.9  | 2822.4  | 2647.7  | 4154.0  | 23461.5 | 26371.1 | 29938.9 |
| 75°   | 988.6   | 1004.2  | 1169.5  | 1833.8  | 2105.1  | 1927.3  | 2120.7  | 12128.4 | 15858.2 | 22953.1 |
| 77.5° | 760.9   | 789.0   | 885.7   | 1281.8  | 2073.9  | 1353.5  | 1297.4  | 4197.7  | 6449.3  | 13865.4 |
| 80°   | 411.7   | 461.6   | 639.3   | 926.2   | 1456.4  | 957.4   | 642.4   | 1671.6  | 2186.2  | 6483.6  |
| 82.5° | 212.1   | 237.0   | 446.0   | 667.4   | 829.6   | 835.8   | 318.1   | 695.5   | 901.3   | 2002.2  |
| 85°   | 84.2    | 102.9   | 299.4   | 368.0   | 427.3   | 411.7   | 143.5   | 280.7   | 324.3   | 555.1   |
| 87.5° | 18.7    | 31.2    | 109.2   | 84.2    | 81.1    | 87.3    | 34.3    | 65.5    | 62.4    | 65.5    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P957130

CATALOG NUMBER: GLAN-SB9C-827-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5594.8  | 0°    | 5594.8  | 5594.8  | 5594.8 | 5594.8 | 5594.8 | 5594.8 | 5594.8 | 5594.8 | 5594.8 | 5594.8 |
| 5632.2  | 2.5°  | 5629.1  | 5616.7  | 5582.4 | 5544.9 | 5501.3 | 5476.3 | 5460.7 | 5457.6 | 5435.8 | 5420.2 |
| 5757.0  | 5°    | 5722.7  | 5710.2  | 5644.7 | 5566.8 | 5482.6 | 5417.1 | 5354.7 | 5298.6 | 5217.5 | 5201.9 |
| 5937.9  | 7.5°  | 5909.8  | 5875.5  | 5769.5 | 5663.4 | 5504.4 | 5314.1 | 5083.4 | 4818.3 | 4581.3 | 4509.5 |
| 6178.0  | 10°   | 6140.6  | 6093.8  | 5959.7 | 5772.6 | 5420.2 | 4902.5 | 4344.3 | 3826.6 | 3414.9 | 3299.5 |
| 6461.8  | 12.5° | 6402.6  | 6362.0  | 6184.2 | 5838.1 | 5067.8 | 4129.1 | 3274.6 | 2632.1 | 2232.9 | 2133.1 |
| 6764.3  | 15°   | 6714.4  | 6655.2  | 6408.8 | 5738.3 | 4437.8 | 3137.3 | 2248.5 | 1868.1 | 1724.6 | 1705.9 |
| 7110.5  | 17.5° | 7045.0  | 6948.3  | 6608.4 | 5379.6 | 3589.5 | 2229.8 | 1737.1 | 1627.9 | 1565.6 | 1546.8 |
| 7459.8  | 20°   | 7347.5  | 7222.8  | 6726.9 | 4837.0 | 2682.0 | 1737.1 | 1556.2 | 1484.5 | 1428.3 | 1406.5 |
| 7809.1  | 22.5° | 7650.0  | 7472.2  | 6726.9 | 4097.9 | 2011.5 | 1540.6 | 1428.3 | 1362.8 | 1297.4 | 1269.3 |
| 8183.3  | 25°   | 7965.0  | 7728.0  | 6608.4 | 3274.6 | 1618.6 | 1412.7 | 1306.7 | 1235.0 | 1178.8 | 1144.5 |
| 8538.8  | 27.5° | 8270.6  | 7943.2  | 6337.1 | 2494.9 | 1440.8 | 1300.5 | 1194.4 | 1125.8 | 1072.8 | 1047.9 |
| 8925.5  | 30°   | 8560.6  | 8155.2  | 5956.6 | 1893.0 | 1325.4 | 1191.3 | 1091.5 | 1032.3 | 979.3  | 954.3  |
| 9427.6  | 32.5° | 8953.6  | 8423.4  | 5551.2 | 1553.1 | 1225.6 | 1088.4 | 998.0  | 941.8  | 895.0  | 876.3  |
| 10079.4 | 35°   | 9499.4  | 8819.5  | 5201.9 | 1525.0 | 1141.4 | 1004.2 | 913.8  | 860.7  | 814.0  | 798.4  |
| 10921.4 | 37.5° | 10272.8 | 9458.8  | 5017.9 | 1712.1 | 1072.8 | 929.4  | 845.1  | 789.0  | 745.4  | 732.9  |
| 11991.1 | 40°   | 11227.1 | 10325.8 | 5117.7 | 1899.2 | 1026.0 | 863.9  | 782.8  | 726.6  | 689.2  | 673.6  |
| 13219.9 | 42.5° | 12359.1 | 11395.5 | 5669.7 | 2042.7 | 994.8  | 807.7  | 723.5  | 661.1  | 636.2  | 630.0  |
| 14613.9 | 45°   | 13659.6 | 12571.2 | 6514.8 | 2195.5 | 944.9  | 754.7  | 664.3  | 617.5  | 598.8  | 595.7  |
| 16129.6 | 47.5° | 15137.8 | 13862.3 | 7494.1 | 2385.8 | 895.0  | 704.8  | 617.5  | 586.3  | 570.7  | 564.5  |
| 17710.7 | 50°   | 16603.6 | 15162.8 | 8501.4 | 2491.8 | 854.5  | 658.0  | 580.1  | 555.1  | 542.6  | 539.5  |
| 19382.3 | 52.5° | 18138.0 | 16500.7 | 9315.4 | 2392.0 | 820.2  | 620.6  | 548.9  | 530.2  | 517.7  | 514.6  |
| 20922.9 | 55°   | 19600.6 | 17582.8 | 9455.7 | 2030.2 | 751.6  | 583.2  | 514.6  | 505.2  | 489.6  | 489.6  |
| 22485.3 | 57.5° | 20860.5 | 18125.5 | 8464.0 | 1490.7 | 683.0  | 527.0  | 480.3  | 470.9  | 458.4  | 455.3  |
| 23895.0 | 60°   | 22017.5 | 17969.6 | 6533.5 | 1004.2 | 608.1  | 470.9  | 436.6  | 430.4  | 417.9  | 402.3  |
| 25120.6 | 62.5° | 22669.3 | 17283.5 | 4469.0 | 654.9  | 533.3  | 411.7  | 386.7  | 383.6  | 355.5  | 324.3  |
| 26028.1 | 65°   | 22915.7 | 15873.8 | 2788.1 | 477.2  | 446.0  | 352.4  | 333.7  | 327.5  | 286.9  | 252.6  |
| 26542.7 | 67.5° | 22700.5 | 13553.6 | 1406.5 | 377.4  | 352.4  | 293.2  | 274.4  | 274.4  | 246.4  | 215.2  |
| 26511.5 | 70°   | 21839.8 | 10160.5 | 592.5  | 302.5  | 271.3  | 224.5  | 224.5  | 237.0  | 208.9  | 174.6  |
| 25136.2 | 72.5° | 19971.7 | 6836.0  | 315.0  | 230.8  | 202.7  | 159.1  | 184.0  | 193.4  | 165.3  | 131.0  |
| 20573.6 | 75°   | 15877.0 | 4169.6  | 218.3  | 171.5  | 127.9  | 112.3  | 140.3  | 146.6  | 112.3  | 87.3   |
| 14105.6 | 77.5° | 10859.1 | 2395.1  | 146.6  | 109.2  | 81.1   | 65.5   | 96.7   | 90.4   | 59.3   | 40.5   |
| 5438.9  | 80°   | 4768.4  | 998.0   | 84.2   | 49.9   | 31.2   | 24.9   | 34.3   | 24.9   | 18.7   | 12.5   |
| 745.4   | 82.5° | 558.2   | 233.9   | 31.2   | 18.7   | 12.5   | 6.2    | 3.1    | 0.0    | 0.0    | 0.0    |
| 227.7   | 85°   | 115.4   | 28.1    | 15.6   | 6.2    | 3.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 40.5    | 87.5° | 21.8    | 6.2     | 3.1    | 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    |

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| 180°   |
|--------|
| 5594.8 |
| 5435.8 |
| 5195.6 |
| 4475.2 |
| 3255.9 |
| 2105.1 |
| 1687.2 |
| 1537.5 |
| 1394.0 |
| 1253.7 |
| 1132.1 |
| 1047.9 |
| 957.4  |
| 876.3  |
| 798.4  |
| 729.8  |
| 670.5  |
| 630.0  |
| 592.5  |
| 564.5  |
| 539.5  |
| 514.6  |
| 486.5  |
| 452.2  |
| 399.2  |
| 318.1  |
| 249.5  |
| 212.1  |
| 171.5  |
| 131.0  |
| 84.2   |
| 43.7   |
| 12.5   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |