

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: McGRAW-EDISON

Report Number: P956985

Luminaire Tested: **GALN-SB9C-722-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956985  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9C-722-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 46914 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
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



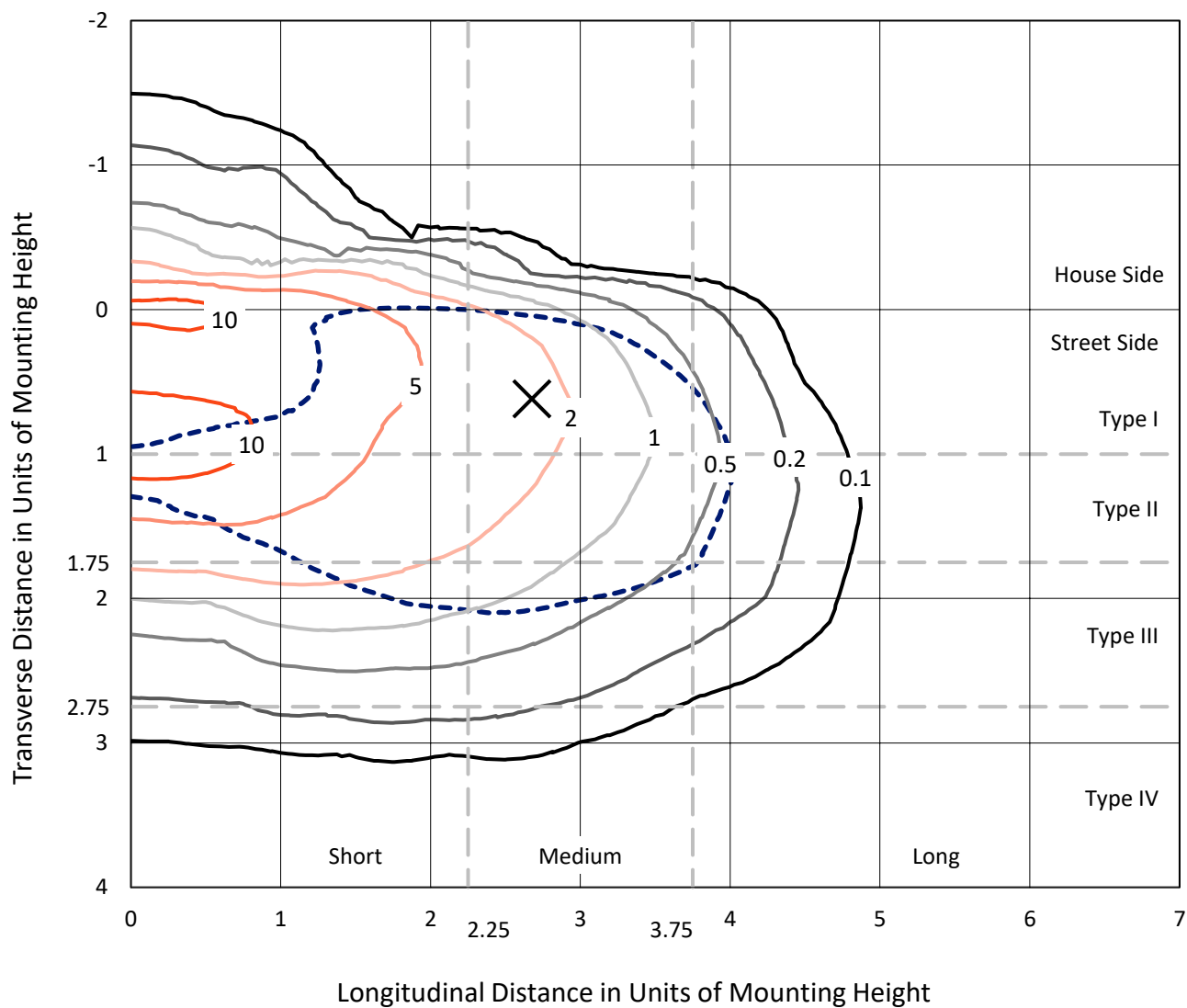
REPORT NUMBER: P956985

CATALOG NUMBER: GALN-SB9C-722-U-T3R-HSS

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

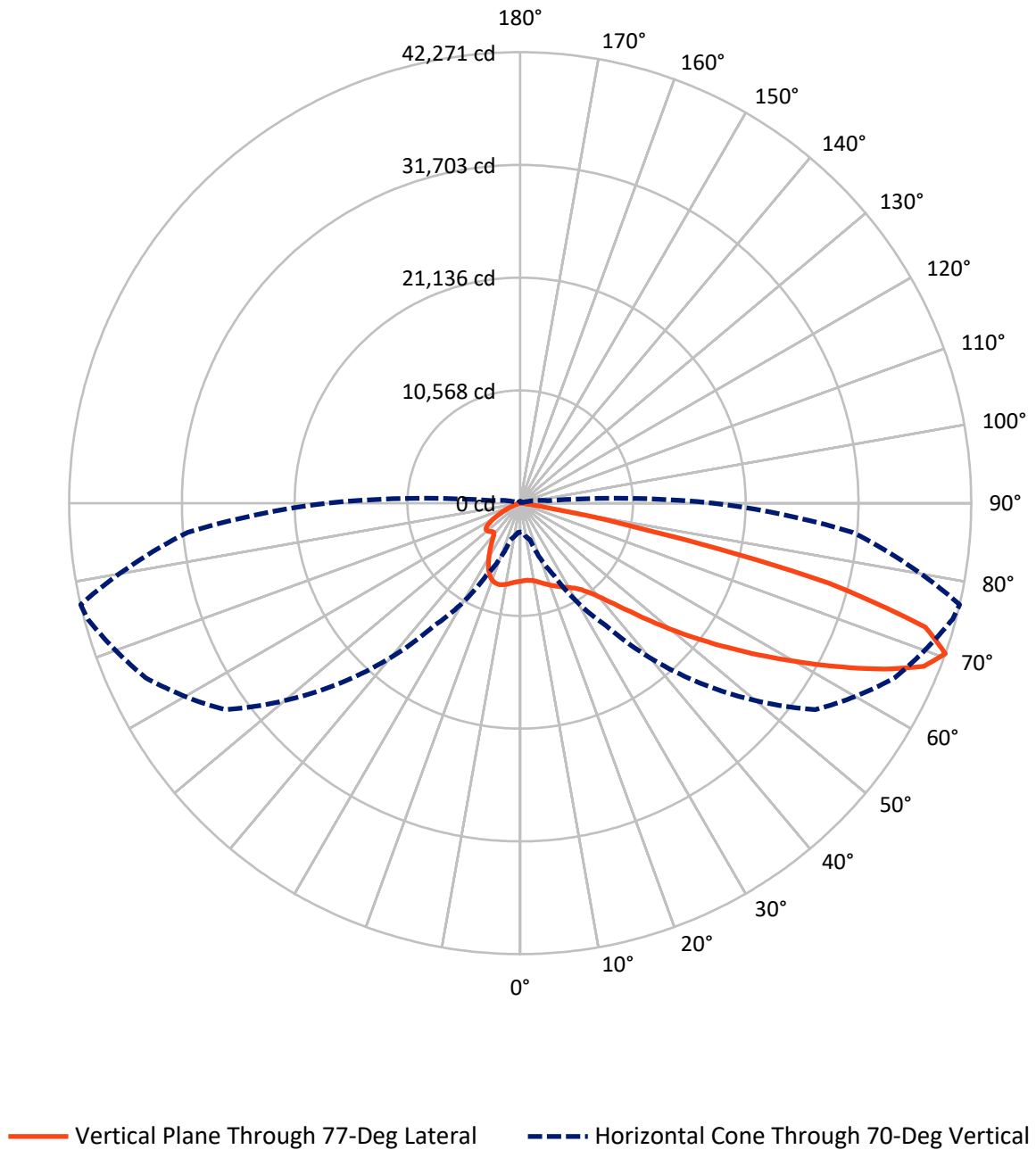
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P956985  
CATALOG NUMBER: GALN-SB9C-722-U-T3R-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P956985

CATALOG NUMBER: GALN-SB9C-722-U-T3R-HSS

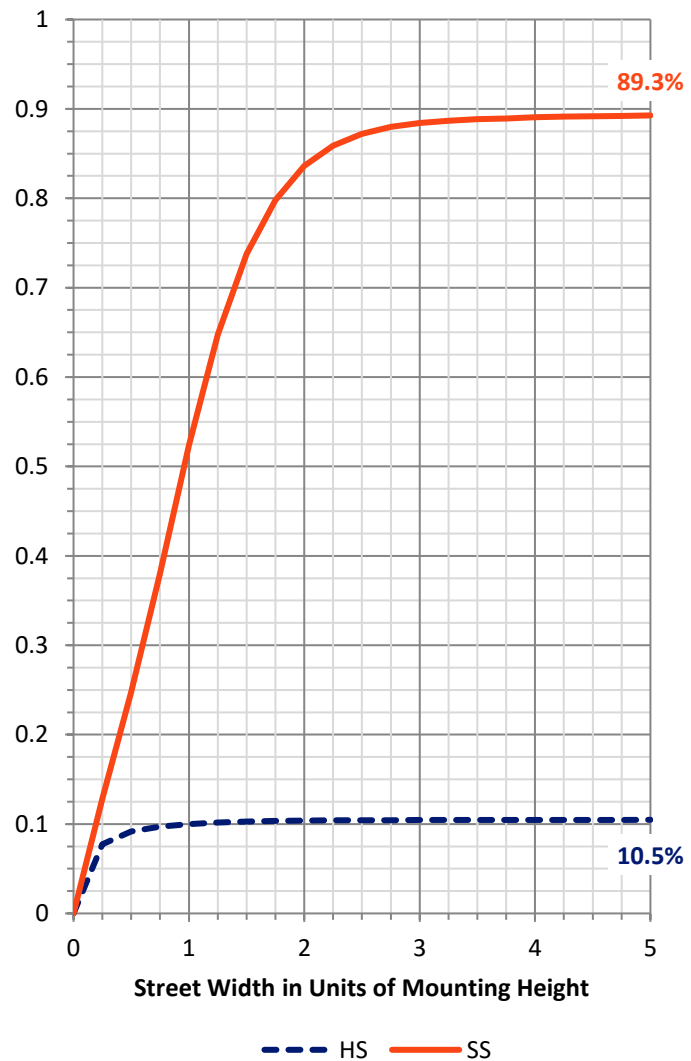
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4945.4   | 0.0    | 4945.4  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 41968.6  | 0.0    | 41968.6 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 46914.0  | 0.0    | 46914.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 630.7   | 1.3       |
| 10°-20°   | 1497.1  | 3.2       |
| 20°-30°   | 2315.7  | 4.9       |
| 30°-40°   | 4201.9  | 9.0       |
| 40°-50°   | 7931.6  | 16.9      |
| 50°-60°   | 11460.5 | 24.4      |
| 60°-70°   | 12199.4 | 26.0      |
| 70°-80°   | 6464.8  | 13.8      |
| 80°-90°   | 212.3   | 0.5       |
| 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°    | 46914.0 | 100.0     |
| 0°-180°   | 46914.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P956985

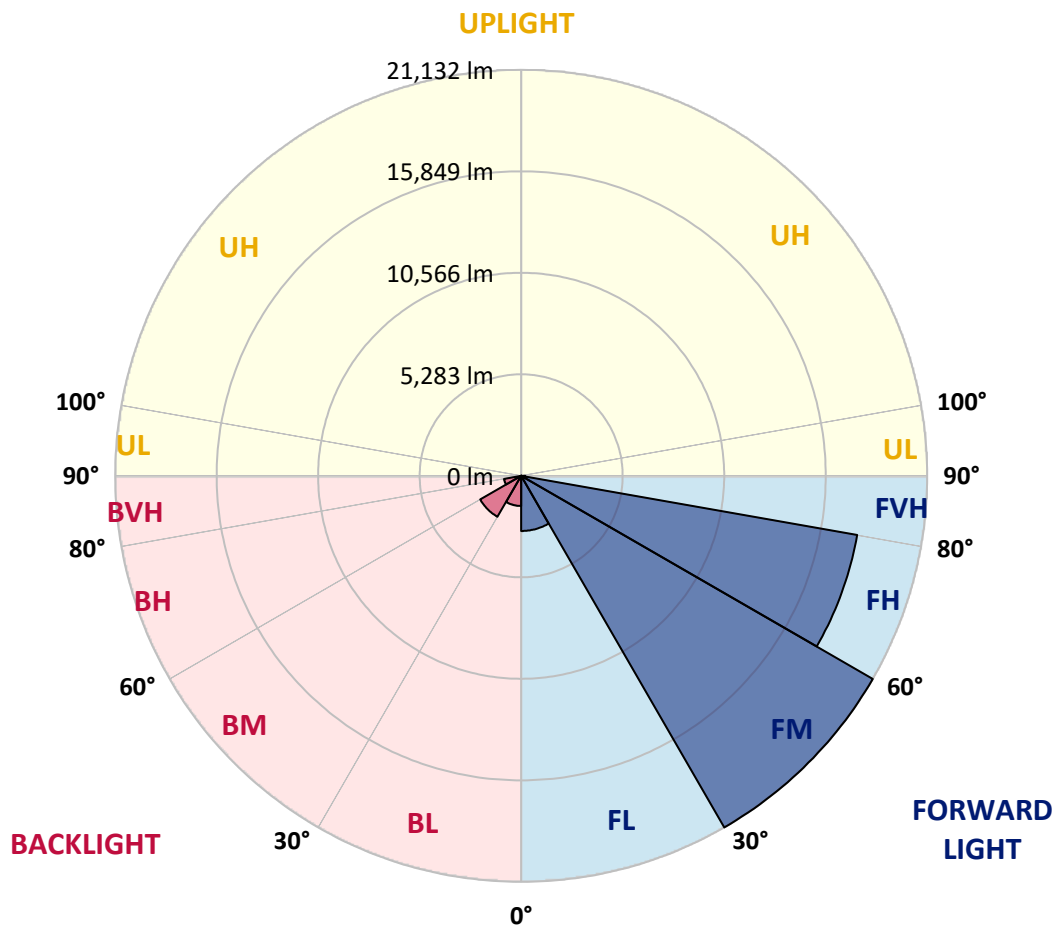
CATALOG NUMBER: GALN-SB9C-722-U-T3R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2872.2  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 21132.2 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 17757.6 | 37.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 206.6   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1571.2  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2461.8  | 5.2       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 906.6   | 1.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.7     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Medium



REPORT NUMBER: P956985

CATALOG NUMBER: GALN-SB9C-722-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7317.7  | 7317.7  | 7317.7  | 7317.7  | 7317.7  | 7317.7  | 7317.7  | 7317.7  | 7317.7  | 7317.7  | 7317.7  |
| 2.5°  | 6870.4  | 6932.6  | 6923.7  | 6965.2  | 6980.0  | 7039.2  | 7098.5  | 7178.5  | 7267.4  | 7264.4  | 7323.7  |
| 5°    | 6482.3  | 6544.5  | 6559.3  | 6615.6  | 6686.7  | 6778.5  | 6900.0  | 7060.0  | 7225.9  | 7252.6  | 7371.1  |
| 7.5°  | 6023.1  | 6088.2  | 6126.8  | 6239.3  | 6369.7  | 6559.3  | 6757.8  | 6991.8  | 7267.4  | 7305.9  | 7534.0  |
| 10°   | 5563.9  | 5623.1  | 5673.5  | 5833.5  | 6040.8  | 6322.3  | 6645.2  | 6983.0  | 7353.3  | 7409.6  | 7732.5  |
| 12.5° | 5279.4  | 5335.7  | 5392.0  | 5531.3  | 5789.0  | 6132.7  | 6571.1  | 7024.4  | 7495.5  | 7575.5  | 8002.1  |
| 15°   | 5178.7  | 5229.1  | 5273.5  | 5397.9  | 5637.9  | 6029.0  | 6556.3  | 7110.4  | 7676.2  | 7782.9  | 8328.0  |
| 17.5° | 5193.5  | 5220.2  | 5249.8  | 5344.6  | 5578.7  | 5981.6  | 6583.0  | 7258.5  | 7889.5  | 7984.3  | 8653.9  |
| 20°   | 5279.4  | 5294.2  | 5297.2  | 5362.4  | 5569.8  | 5975.7  | 6636.3  | 7400.7  | 8091.0  | 8218.4  | 8976.8  |
| 22.5° | 5389.1  | 5395.0  | 5389.1  | 5433.5  | 5626.1  | 6020.1  | 6707.4  | 7572.5  | 8316.1  | 8434.7  | 9302.7  |
| 25°   | 5901.6  | 5789.0  | 5646.8  | 5560.9  | 5720.9  | 6106.0  | 6814.1  | 7803.6  | 8562.0  | 8677.6  | 9619.7  |
| 27.5° | 7492.5  | 7169.6  | 6660.0  | 6088.2  | 5916.4  | 6230.4  | 6962.2  | 8037.7  | 8810.9  | 8914.6  | 9960.4  |
| 30°   | 10076.0 | 9652.3  | 8787.2  | 7498.5  | 6544.5  | 6491.2  | 7154.8  | 8271.7  | 9074.6  | 9187.2  | 10324.8 |
| 32.5° | 12665.3 | 12561.6 | 11563.2 | 9779.7  | 7957.7  | 7071.8  | 7474.8  | 8588.7  | 9424.2  | 9513.1  | 10816.6 |
| 35°   | 15284.3 | 15073.9 | 14256.3 | 12493.5 | 10135.2 | 8253.9  | 8008.0  | 9003.5  | 9883.4  | 9984.1  | 11533.6 |
| 37.5° | 17290.0 | 17162.6 | 16656.0 | 15204.3 | 12718.6 | 10078.9 | 8920.5  | 9646.4  | 10550.0 | 10662.6 | 12452.0 |
| 40°   | 19061.7 | 19002.4 | 18830.6 | 17873.6 | 15607.2 | 12466.8 | 10339.6 | 10641.8 | 11474.3 | 11607.6 | 13577.8 |
| 42.5° | 20454.1 | 20593.4 | 20691.1 | 20424.5 | 18584.7 | 15192.5 | 12247.6 | 12040.2 | 12763.1 | 12899.4 | 15011.7 |
| 45°   | 21879.1 | 21926.5 | 22320.6 | 22705.7 | 21541.4 | 18042.5 | 14398.5 | 13678.5 | 14365.9 | 14534.7 | 16730.1 |
| 47.5° | 22794.6 | 22984.2 | 23677.5 | 24355.9 | 24027.1 | 20868.9 | 16709.3 | 15613.1 | 16223.5 | 16540.5 | 18655.8 |
| 50°   | 22862.7 | 23221.2 | 24175.2 | 25357.3 | 25837.2 | 23559.0 | 19221.7 | 17817.4 | 18466.2 | 18815.8 | 20711.9 |
| 52.5° | 21728.0 | 22285.0 | 23763.4 | 25493.6 | 26814.9 | 25837.2 | 21819.9 | 20021.6 | 20854.1 | 21310.3 | 22845.0 |
| 55°   | 16659.0 | 17387.8 | 22213.9 | 24752.9 | 26853.4 | 27564.5 | 24350.0 | 22317.6 | 23514.5 | 24030.0 | 25149.9 |
| 57.5° | 14514.0 | 14881.4 | 17464.8 | 23467.1 | 26139.4 | 28260.7 | 26637.2 | 24504.0 | 26409.0 | 27049.0 | 27327.5 |
| 60°   | 12075.7 | 12558.7 | 14647.3 | 21363.6 | 25170.6 | 28328.8 | 28657.7 | 27324.5 | 29546.5 | 30266.4 | 29324.3 |
| 62.5° | 8206.5  | 8730.9  | 10807.7 | 17749.2 | 23846.3 | 28296.2 | 30313.8 | 30227.9 | 33033.5 | 33806.8 | 31015.9 |
| 65°   | 5083.9  | 5412.8  | 6781.5  | 14493.3 | 21994.7 | 28331.8 | 32046.9 | 33753.4 | 36713.1 | 37498.2 | 32325.4 |
| 67.5° | 4017.3  | 4168.4  | 4882.4  | 11127.7 | 18803.9 | 27531.9 | 33777.1 | 37068.6 | 40176.4 | 40798.6 | 32725.4 |
| 70°   | 2699.0  | 2790.8  | 3552.2  | 7459.9  | 13989.6 | 23840.4 | 33744.5 | 38733.6 | 41960.0 | 42271.0 | 31267.8 |
| 72.5° | 1422.1  | 1493.2  | 2076.8  | 3454.4  | 8449.5  | 16946.3 | 28444.4 | 36742.7 | 40185.3 | 39717.2 | 26726.0 |
| 75°   | 711.0   | 829.5   | 1398.4  | 1753.9  | 3608.5  | 9450.8  | 17663.3 | 28968.8 | 31629.2 | 29816.1 | 17147.8 |
| 77.5° | 539.2   | 651.8   | 1155.4  | 1155.4  | 1256.2  | 3181.9  | 7480.7  | 15799.8 | 14573.3 | 12135.0 | 5033.5  |
| 80°   | 343.7   | 444.4   | 1010.3  | 874.0   | 524.4   | 808.8   | 1949.4  | 4426.2  | 3096.0  | 2355.3  | 915.5   |
| 82.5° | 201.5   | 290.3   | 841.4   | 577.7   | 293.3   | 299.2   | 551.1   | 942.1   | 802.9   | 625.1   | 281.5   |
| 85°   | 80.0    | 189.6   | 577.7   | 228.1   | 115.5   | 74.1    | 165.9   | 201.5   | 165.9   | 124.4   | 71.1    |
| 87.5° | 0.0     | 44.4    | 100.7   | 0.0     | 8.9     | 5.9     | 11.9    | 14.8    | 14.8    | 11.9    | 23.7    |
| 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: P956985

CATALOG NUMBER: GALN-SB9C-722-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7317.7  | 7317.7  | 7317.7 | 7317.7 | 7317.7 | 7317.7 | 7317.7 | 7317.7 | 7317.7 | 7317.7 | 7317.7 |
| 2.5°  | 7350.3  | 7356.3  | 7374.0 | 7377.0 | 7335.5 | 7282.2 | 7261.4 | 7252.6 | 7217.0 | 7214.0 | 7220.0 |
| 5°    | 7439.2  | 7465.9  | 7439.2 | 7362.2 | 7178.5 | 6920.7 | 6725.2 | 6565.2 | 6420.1 | 6375.6 | 6349.0 |
| 7.5°  | 7617.0  | 7643.6  | 7563.6 | 7261.4 | 6799.3 | 6286.7 | 5824.6 | 5498.7 | 5205.4 | 5095.8 | 5051.3 |
| 10°   | 7871.8  | 7907.3  | 7655.5 | 7045.2 | 6227.5 | 5403.9 | 4621.7 | 4070.7 | 3641.1 | 3466.3 | 3392.2 |
| 12.5° | 8191.7  | 8206.5  | 7705.8 | 6716.3 | 5483.9 | 4307.7 | 3199.7 | 2610.1 | 2227.9 | 2085.7 | 2041.3 |
| 15°   | 8544.3  | 8523.5  | 7711.8 | 6269.0 | 4470.6 | 3045.6 | 2088.7 | 1715.4 | 1561.3 | 1513.9 | 1513.9 |
| 17.5° | 8914.6  | 8828.7  | 7593.3 | 5623.1 | 3359.6 | 2082.7 | 1549.5 | 1460.6 | 1433.9 | 1422.1 | 1419.1 |
| 20°   | 9279.0  | 9086.4  | 7377.0 | 4778.7 | 2411.6 | 1555.4 | 1407.3 | 1380.6 | 1365.8 | 1359.9 | 1353.9 |
| 22.5° | 9610.8  | 9282.0  | 7006.7 | 3798.1 | 1750.9 | 1374.7 | 1330.2 | 1306.5 | 1279.9 | 1268.0 | 1265.1 |
| 25°   | 9933.8  | 9394.6  | 6485.2 | 2882.7 | 1401.3 | 1285.8 | 1250.2 | 1205.8 | 1170.2 | 1155.4 | 1149.5 |
| 27.5° | 10247.8 | 9465.7  | 5833.5 | 2133.1 | 1250.2 | 1202.8 | 1137.7 | 1075.4 | 1048.8 | 1042.9 | 1036.9 |
| 30°   | 10582.6 | 9489.4  | 5092.8 | 1590.9 | 1158.4 | 1099.1 | 1004.3 | 933.2  | 918.4  | 921.4  | 921.4  |
| 32.5° | 10991.4 | 9524.9  | 4346.2 | 1303.6 | 1081.4 | 974.7  | 862.1  | 788.1  | 776.2  | 788.1  | 785.1  |
| 35°   | 11480.3 | 9596.0  | 3626.3 | 1199.9 | 1013.2 | 847.3  | 725.8  | 663.6  | 651.8  | 660.7  | 657.7  |
| 37.5° | 12143.9 | 9711.6  | 2953.8 | 1179.1 | 956.9  | 740.7  | 610.3  | 559.9  | 559.9  | 562.9  | 559.9  |
| 40°   | 13026.8 | 10019.7 | 2352.3 | 1164.3 | 927.3  | 660.7  | 515.5  | 494.8  | 503.6  | 509.6  | 509.6  |
| 42.5° | 14102.2 | 10674.4 | 1946.5 | 1146.5 | 894.7  | 625.1  | 468.1  | 459.2  | 474.0  | 479.9  | 479.9  |
| 45°   | 15308.0 | 11504.0 | 1804.3 | 1116.9 | 865.1  | 648.8  | 447.4  | 435.5  | 453.3  | 456.2  | 459.2  |
| 47.5° | 16555.3 | 12315.7 | 1786.5 | 1084.3 | 835.5  | 684.4  | 441.4  | 414.8  | 435.5  | 438.5  | 441.4  |
| 50°   | 17817.4 | 12846.0 | 1804.3 | 1034.0 | 788.1  | 684.4  | 444.4  | 394.0  | 411.8  | 420.7  | 423.7  |
| 52.5° | 19088.3 | 13089.0 | 1792.4 | 924.3  | 705.1  | 642.9  | 444.4  | 376.3  | 394.0  | 400.0  | 400.0  |
| 55°   | 20320.8 | 13041.6 | 1611.7 | 761.4  | 598.5  | 568.8  | 432.5  | 361.4  | 373.3  | 376.3  | 376.3  |
| 57.5° | 21295.5 | 12380.9 | 1276.9 | 592.5  | 485.9  | 474.0  | 394.0  | 343.7  | 352.6  | 349.6  | 349.6  |
| 60°   | 21805.1 | 10929.2 | 912.5  | 456.2  | 382.2  | 373.3  | 346.6  | 320.0  | 325.9  | 311.1  | 308.1  |
| 62.5° | 21811.0 | 9009.4  | 610.3  | 361.4  | 305.2  | 296.3  | 296.3  | 287.4  | 281.5  | 251.8  | 242.9  |
| 65°   | 21345.9 | 6879.3  | 405.9  | 287.4  | 245.9  | 231.1  | 248.9  | 245.9  | 225.2  | 183.7  | 177.8  |
| 67.5° | 20291.2 | 4509.1  | 308.1  | 225.2  | 189.6  | 180.7  | 198.5  | 207.4  | 192.6  | 154.1  | 151.1  |
| 70°   | 18122.5 | 2624.9  | 254.8  | 174.8  | 142.2  | 133.3  | 160.0  | 177.8  | 160.0  | 124.4  | 118.5  |
| 72.5° | 15053.2 | 1416.1  | 207.4  | 130.4  | 97.8   | 88.9   | 127.4  | 145.2  | 127.4  | 91.8   | 88.9   |
| 75°   | 9767.8  | 758.4   | 160.0  | 85.9   | 50.4   | 56.3   | 94.8   | 106.7  | 88.9   | 59.3   | 53.3   |
| 77.5° | 3279.6  | 334.8   | 100.7  | 41.5   | 23.7   | 23.7   | 56.3   | 65.2   | 41.5   | 20.7   | 17.8   |
| 80°   | 731.8   | 139.2   | 41.5   | 17.8   | 8.9    | 8.9    | 11.9   | 11.9   | 5.9    | 0.0    | 0.0    |
| 82.5° | 240.0   | 56.3    | 17.8   | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 91.8    | 20.7    | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 35.6    | 3.0     | 0.0    | 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    |

(END OF REPORT)