

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: P952656

Luminaire Tested: **GALN-SB6B-940-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952656  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-940-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

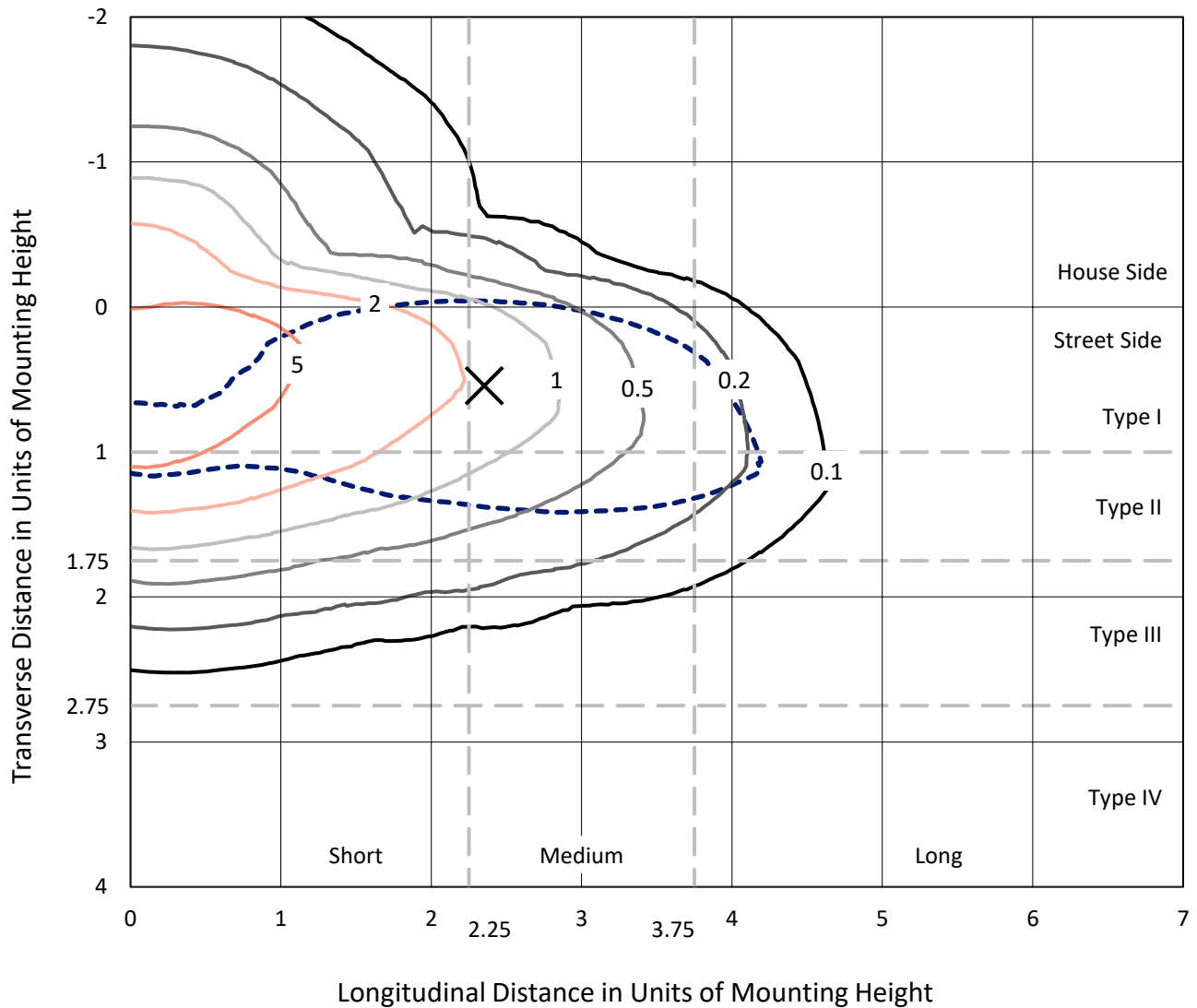
Lumens per Lamp: N/A  
Luminaire Lumens: 25203 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952656  
 CATALOG NUMBER: GALN-SB6B-940-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

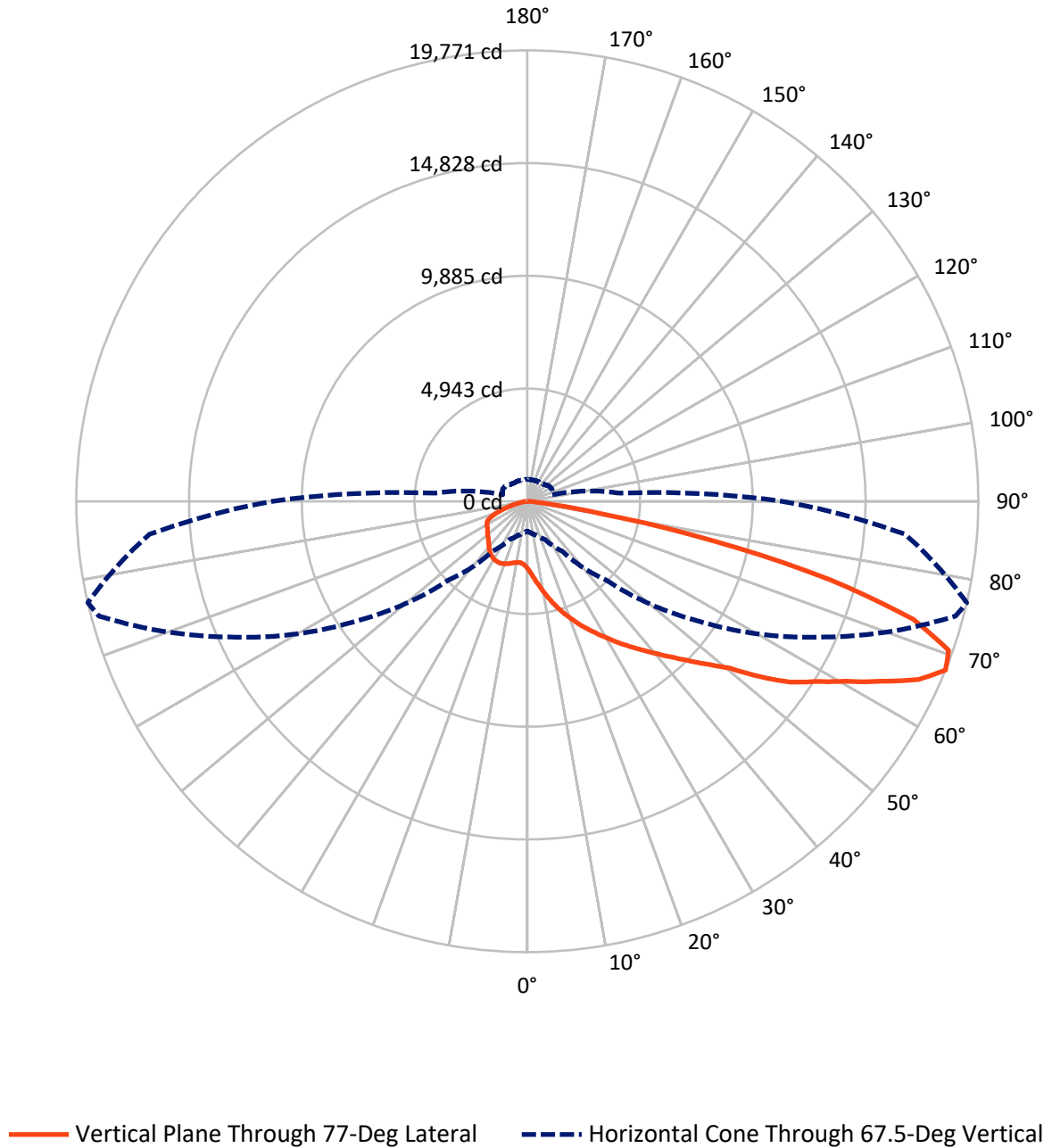
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P952656  
CATALOG NUMBER: GALN-SB6B-940-U-T2R

### Luminous Intensity Polar Plot



REPORT NUMBER: P952656  
 CATALOG NUMBER: GALN-SB6B-940-U-T2R

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4767.4   | 0.0    | 4767.4  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 20435.6  | 0.0    | 20435.6 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 25203.0  | 0.0    | 25203.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 317.0   | 1.3       |
| 10°-20°   | 1138.7  | 4.5       |
| 20°-30°   | 2150.0  | 8.5       |
| 30°-40°   | 3463.6  | 13.7      |
| 40°-50°   | 4737.6  | 18.8      |
| 50°-60°   | 5344.0  | 21.2      |
| 60°-70°   | 4988.0  | 19.8      |
| 70°-80°   | 2734.3  | 10.8      |
| 80°-90°   | 329.8   | 1.3       |
| 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°    | 25203.0 | 100.0     |
| 0°-180°   | 25203.0 | 100.0     |



REPORT NUMBER: P952656

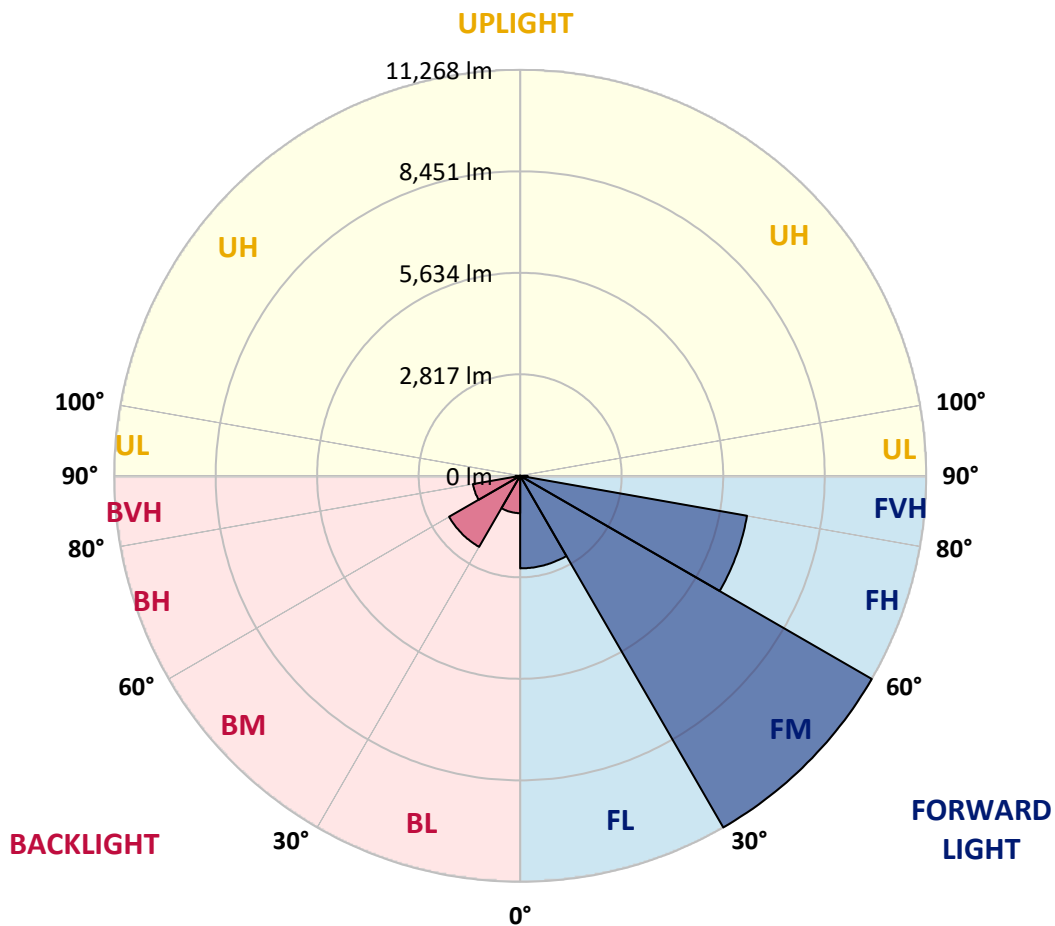
CATALOG NUMBER: GALN-SB6B-940-U-T2R

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2569.1  | 10.2      |                         |      |         |
| FM (30°-60°)   | 11268.0 | 44.7      |                         |      |         |
| FH (60°-80°)   | 6392.2  | 25.4      |                         |      | G3/7500 |
| FVH (80°-90°)  | 206.3   | 0.8       |                         |      | G2/225  |
| BL (0°-30°)    | 1036.5  | 4.1       | B3/2500                 |      |         |
| BM (30°-60°)   | 2277.3  | 9.0       | B2/2500                 |      |         |
| BH (60°-80°)   | 1330.0  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 123.6   | 0.5       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Medium



REPORT NUMBER: P952656  
 CATALOG NUMBER: GALN-SB6B-940-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2957.1  | 2957.1  | 2957.1  | 2957.1  | 2957.1  | 2957.1  | 2957.1  | 2957.1  | 2957.1  | 2957.1  |
| 2.5°  | 3702.5  | 3728.6  | 3696.0  | 3696.0  | 3586.8  | 3529.5  | 3420.2  | 3337.0  | 3187.4  | 3161.3  |
| 5°    | 4376.4  | 4409.0  | 4363.4  | 4343.9  | 4215.1  | 4096.7  | 3913.3  | 3732.5  | 3465.8  | 3438.5  |
| 7.5°  | 4898.1  | 4939.8  | 4899.4  | 4878.6  | 4764.1  | 4631.4  | 4416.8  | 4164.4  | 3788.4  | 3735.1  |
| 10°   | 5323.6  | 5330.1  | 5317.0  | 5324.9  | 5235.1  | 5125.8  | 4905.9  | 4611.9  | 4142.3  | 4069.4  |
| 12.5° | 5564.2  | 5594.2  | 5620.2  | 5667.0  | 5651.4  | 5583.7  | 5386.0  | 5034.7  | 4517.0  | 4423.3  |
| 15°   | 5677.4  | 5729.5  | 5788.0  | 5896.0  | 5983.1  | 6000.1  | 5849.1  | 5488.8  | 4898.1  | 4785.0  |
| 17.5° | 5717.7  | 5767.2  | 5859.5  | 6015.7  | 6203.0  | 6329.2  | 6261.5  | 5929.8  | 5275.4  | 5145.3  |
| 20°   | 5922.0  | 5936.3  | 5992.2  | 6140.6  | 6343.5  | 6553.0  | 6603.7  | 6353.9  | 5648.8  | 5501.8  |
| 22.5° | 6359.1  | 6330.5  | 6346.1  | 6413.8  | 6559.5  | 6762.4  | 6878.2  | 6728.6  | 6032.6  | 5863.5  |
| 25°   | 7081.2  | 6997.9  | 6914.6  | 6836.6  | 6910.7  | 7025.2  | 7156.6  | 7103.3  | 6434.6  | 6219.9  |
| 27.5° | 7993.1  | 7891.7  | 7708.2  | 7451.9  | 7362.2  | 7402.5  | 7461.0  | 7450.6  | 6806.7  | 6589.4  |
| 30°   | 8890.8  | 8772.4  | 8553.8  | 8183.1  | 7946.3  | 7839.6  | 7795.4  | 7765.5  | 7211.3  | 6979.7  |
| 32.5° | 9607.6  | 9514.0  | 9299.3  | 8884.3  | 8540.8  | 8358.7  | 8211.7  | 8105.0  | 7634.1  | 7402.5  |
| 35°   | 10234.7 | 10147.5 | 9901.6  | 9448.9  | 9075.5  | 8881.7  | 8689.1  | 8461.5  | 8073.8  | 7839.6  |
| 37.5° | 10807.1 | 10720.0 | 10383.0 | 9912.1  | 9536.1  | 9402.1  | 9230.4  | 8844.0  | 8514.8  | 8293.7  |
| 40°   | 11168.8 | 11149.3 | 10834.4 | 10301.0 | 9910.8  | 9844.4  | 9787.2  | 9287.6  | 9004.0  | 8798.4  |
| 42.5° | 11261.2 | 11304.1 | 11054.3 | 10615.9 | 10243.8 | 10190.5 | 10324.5 | 9789.8  | 9553.0  | 9356.5  |
| 45°   | 11038.7 | 11162.3 | 10998.4 | 10700.4 | 10480.6 | 10452.0 | 10800.6 | 10338.8 | 10160.5 | 9981.0  |
| 47.5° | 10475.4 | 10684.8 | 10617.2 | 10575.5 | 10544.3 | 10667.9 | 11219.5 | 10921.6 | 10848.8 | 10692.6 |
| 50°   | 9338.3  | 9735.1  | 9853.5  | 10116.3 | 10418.1 | 10835.7 | 11600.7 | 11557.8 | 11652.7 | 11495.3 |
| 52.5° | 7372.6  | 7919.0  | 8605.9  | 9264.2  | 10030.4 | 10779.8 | 12019.6 | 12471.1 | 12871.8 | 12785.9 |
| 55°   | 6085.9  | 6331.8  | 6860.0  | 8067.3  | 9278.5  | 10544.3 | 12208.3 | 13208.7 | 14081.7 | 14004.9 |
| 57.5° | 5097.2  | 5317.0  | 5642.3  | 6650.5  | 8141.4  | 10009.6 | 12325.3 | 13658.8 | 14910.4 | 14902.6 |
| 60°   | 4036.9  | 4269.8  | 4602.8  | 5317.0  | 6813.2  | 9085.9  | 12299.3 | 14171.4 | 15968.1 | 16033.1 |
| 62.5° | 2840.0  | 3096.3  | 3465.8  | 4131.9  | 5456.2  | 7889.1  | 11768.5 | 14542.2 | 17213.1 | 17390.0 |
| 65°   | 1866.9  | 2036.0  | 2314.4  | 2889.4  | 4065.5  | 6350.0  | 10755.1 | 14590.3 | 18545.3 | 18844.5 |
| 67.5° | 1308.8  | 1373.8  | 1537.7  | 1850.0  | 2680.0  | 4869.5  | 9140.6  | 14092.1 | 19433.8 | 19770.8 |
| 70°   | 1021.3  | 1053.8  | 1137.0  | 1261.9  | 1683.4  | 3274.5  | 7004.4  | 12796.3 | 19243.9 | 19595.1 |
| 72.5° | 882.1   | 913.3   | 944.5   | 960.1   | 1129.2  | 2021.7  | 4744.6  | 10699.1 | 17455.1 | 17693.1 |
| 75°   | 800.1   | 807.9   | 833.9   | 828.7   | 861.2   | 1311.4  | 2738.5  | 7795.4  | 13772.0 | 13690.1 |
| 77.5° | 672.6   | 683.0   | 725.9   | 719.4   | 765.0   | 896.4   | 1422.0  | 5030.8  | 8928.5  | 8371.7  |
| 80°   | 569.8   | 575.0   | 621.9   | 614.1   | 664.8   | 649.2   | 725.9   | 2564.2  | 3787.1  | 3208.2  |
| 82.5° | 197.7   | 244.6   | 474.9   | 489.2   | 507.4   | 392.9   | 418.9   | 1046.0  | 1156.6  | 886.0   |
| 85°   | 96.3    | 102.8   | 242.0   | 343.5   | 342.2   | 197.7   | 204.3   | 373.4   | 364.3   | 286.2   |
| 87.5° | 15.6    | 19.5    | 28.6    | 134.0   | 106.7   | 52.0    | 70.3    | 72.9    | 75.5    | 65.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P952656  
 CATALOG NUMBER: GALN-SB6B-940-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2957.1  | 0°    | 2957.1  | 2957.1 | 2957.1 | 2957.1 | 2957.1 | 2957.1 | 2957.1 | 2957.1 | 2957.1 | 2957.1 |
| 3062.5  | 2.5°  | 2989.6  | 2924.6 | 2788.0 | 2661.8 | 2562.9 | 2467.9 | 2414.6 | 2369.1 | 2343.0 | 2337.8 |
| 3205.6  | 5°    | 3070.3  | 2936.3 | 2687.8 | 2478.3 | 2341.7 | 2240.3 | 2186.9 | 2153.1 | 2136.2 | 2125.8 |
| 3398.1  | 7.5°  | 3186.1  | 2989.6 | 2635.8 | 2397.7 | 2254.6 | 2181.7 | 2154.4 | 2149.2 | 2147.9 | 2149.2 |
| 3631.0  | 10°   | 3346.1  | 3076.8 | 2630.6 | 2378.2 | 2258.5 | 2218.1 | 2216.8 | 2218.1 | 2223.4 | 2224.7 |
| 3884.7  | 12.5° | 3519.1  | 3166.6 | 2651.4 | 2395.1 | 2307.9 | 2285.8 | 2281.9 | 2280.6 | 2284.5 | 2287.1 |
| 4141.0  | 15°   | 3707.8  | 3284.9 | 2686.5 | 2431.5 | 2362.6 | 2339.1 | 2335.2 | 2327.4 | 2326.1 | 2324.8 |
| 4410.3  | 17.5° | 3901.6  | 3402.0 | 2725.5 | 2470.5 | 2397.7 | 2365.2 | 2350.8 | 2332.6 | 2318.3 | 2314.4 |
| 4688.7  | 20°   | 4098.0  | 3517.8 | 2752.8 | 2490.0 | 2400.3 | 2354.7 | 2326.1 | 2294.9 | 2270.2 | 2255.9 |
| 4969.7  | 22.5° | 4307.5  | 3638.8 | 2769.8 | 2484.8 | 2376.9 | 2314.4 | 2262.4 | 2226.0 | 2188.2 | 2163.5 |
| 5253.3  | 25°   | 4511.7  | 3744.2 | 2768.5 | 2457.5 | 2331.3 | 2252.0 | 2185.6 | 2138.8 | 2086.7 | 2060.7 |
| 5546.0  | 27.5° | 4708.2  | 3839.1 | 2735.9 | 2409.4 | 2266.3 | 2177.8 | 2098.5 | 2042.5 | 1991.8 | 1967.1 |
| 5841.3  | 30°   | 4911.1  | 3918.5 | 2685.2 | 2339.1 | 2189.5 | 2092.0 | 2004.8 | 1956.7 | 1911.1 | 1887.7 |
| 6153.6  | 32.5° | 5112.8  | 3991.4 | 2613.6 | 2252.0 | 2101.1 | 2007.4 | 1921.5 | 1877.3 | 1850.0 | 1850.0 |
| 6489.2  | 35°   | 5326.2  | 4042.1 | 2518.7 | 2150.5 | 2007.4 | 1917.6 | 1850.0 | 1824.0 | 1821.4 | 1805.7 |
| 6844.4  | 37.5° | 5551.2  | 4074.6 | 2402.9 | 2046.4 | 1915.0 | 1830.5 | 1809.6 | 1778.4 | 1752.4 | 1718.6 |
| 7234.7  | 40°   | 5788.0  | 4107.1 | 2263.7 | 1938.4 | 1817.4 | 1770.6 | 1761.5 | 1719.9 | 1645.7 | 1562.5 |
| 7677.0  | 42.5° | 6075.5  | 4129.3 | 2119.3 | 1830.5 | 1714.7 | 1699.1 | 1712.1 | 1640.5 | 1522.1 | 1459.7 |
| 8210.4  | 45°   | 6408.6  | 4165.7 | 1986.6 | 1723.8 | 1609.3 | 1609.3 | 1663.9 | 1570.3 | 1472.7 | 1433.7 |
| 8819.2  | 47.5° | 6840.5  | 4250.3 | 1863.0 | 1606.7 | 1511.7 | 1537.7 | 1557.3 | 1485.7 | 1431.1 | 1382.9 |
| 9560.8  | 50°   | 7464.9  | 4453.2 | 1735.5 | 1488.3 | 1437.6 | 1489.6 | 1462.3 | 1420.7 | 1356.9 | 1317.9 |
| 10739.5 | 52.5° | 8240.3  | 4572.9 | 1622.3 | 1381.6 | 1373.8 | 1425.9 | 1386.8 | 1347.8 | 1299.7 | 1247.6 |
| 11633.2 | 55°   | 8768.5  | 4595.0 | 1527.3 | 1303.6 | 1330.9 | 1325.7 | 1311.4 | 1276.2 | 1250.2 | 1181.3 |
| 12515.3 | 57.5° | 9359.1  | 4639.2 | 1449.3 | 1256.7 | 1303.6 | 1246.3 | 1241.1 | 1211.2 | 1177.4 | 1130.5 |
| 13591.2 | 60°   | 10065.6 | 4708.2 | 1381.6 | 1238.5 | 1280.2 | 1194.3 | 1168.3 | 1156.6 | 1122.7 | 1099.3 |
| 14885.6 | 62.5° | 10835.7 | 4770.6 | 1312.7 | 1241.1 | 1252.8 | 1143.5 | 1104.5 | 1100.6 | 1079.8 | 1072.0 |
| 16100.8 | 65°   | 11361.3 | 4600.2 | 1226.8 | 1238.5 | 1209.9 | 1091.5 | 1042.1 | 1040.8 | 1023.9 | 1021.3 |
| 16627.6 | 67.5° | 11177.9 | 4060.3 | 1111.0 | 1202.1 | 1165.7 | 1039.5 | 984.8  | 979.6  | 957.5  | 958.8  |
| 16077.3 | 70°   | 10259.4 | 3290.1 | 951.0  | 1112.3 | 1111.0 | 992.6  | 925.0  | 908.1  | 878.2  | 883.4  |
| 13978.9 | 72.5° | 8536.9  | 2438.0 | 736.3  | 962.7  | 1023.9 | 949.7  | 856.0  | 828.7  | 791.0  | 796.2  |
| 10319.3 | 75°   | 6165.3  | 1657.4 | 536.0  | 732.4  | 891.2  | 899.0  | 788.4  | 741.6  | 696.0  | 703.8  |
| 5743.8  | 77.5° | 3154.8  | 939.3  | 394.2  | 504.8  | 699.9  | 817.0  | 727.2  | 664.8  | 654.4  | 727.2  |
| 1656.1  | 80°   | 1029.1  | 470.9  | 273.2  | 353.9  | 459.2  | 668.7  | 637.5  | 565.9  | 563.3  | 580.2  |
| 347.4   | 82.5° | 307.0   | 199.0  | 175.6  | 232.9  | 253.7  | 512.6  | 550.3  | 428.0  | 368.2  | 387.7  |
| 115.8   | 85°   | 105.4   | 96.3   | 100.2  | 115.8  | 121.0  | 300.5  | 385.1  | 283.6  | 268.0  | 295.3  |
| 26.0    | 87.5° | 24.7    | 33.8   | 28.6   | 26.0   | 26.0   | 72.9   | 149.6  | 118.4  | 163.9  | 109.3  |
| 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

| <u>180°</u> |
|-------------|
| 2957.1      |
| 2337.8      |
| 2124.5      |
| 2153.1      |
| 2226.0      |
| 2288.4      |
| 2323.5      |
| 2318.3      |
| 2261.1      |
| 2164.8      |
| 2060.7      |
| 1965.8      |
| 1886.4      |
| 1851.3      |
| 1801.8      |
| 1713.4      |
| 1550.8      |
| 1461.0      |
| 1440.2      |
| 1381.6      |
| 1314.0      |
| 1237.2      |
| 1182.6      |
| 1114.9      |
| 1105.8      |
| 1072.0      |
| 1020.0      |
| 958.8       |
| 888.6       |
| 794.9       |
| 706.4       |
| 716.8       |
| 498.3       |
| 400.7       |
| 291.4       |
| 105.4       |
| 0.0         |

F REPORT)