

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: P948330

Luminaire Tested: **GALN-SB3B-930-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948330  
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-SB3B-930-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

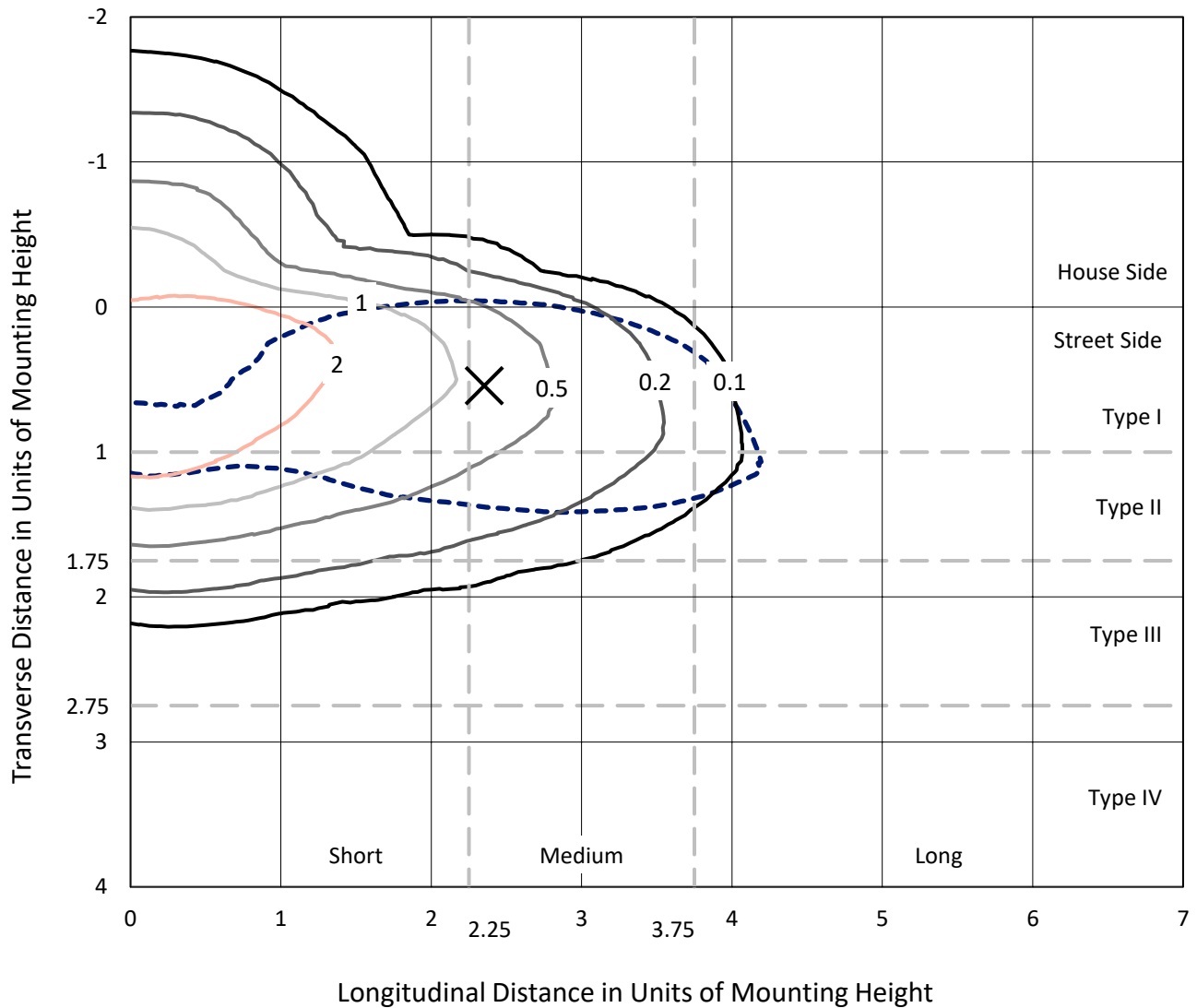
Lumens per Lamp: N/A  
Luminaire Lumens: 11971 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P948330  
 CATALOG NUMBER: GALN-SB3B-930-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

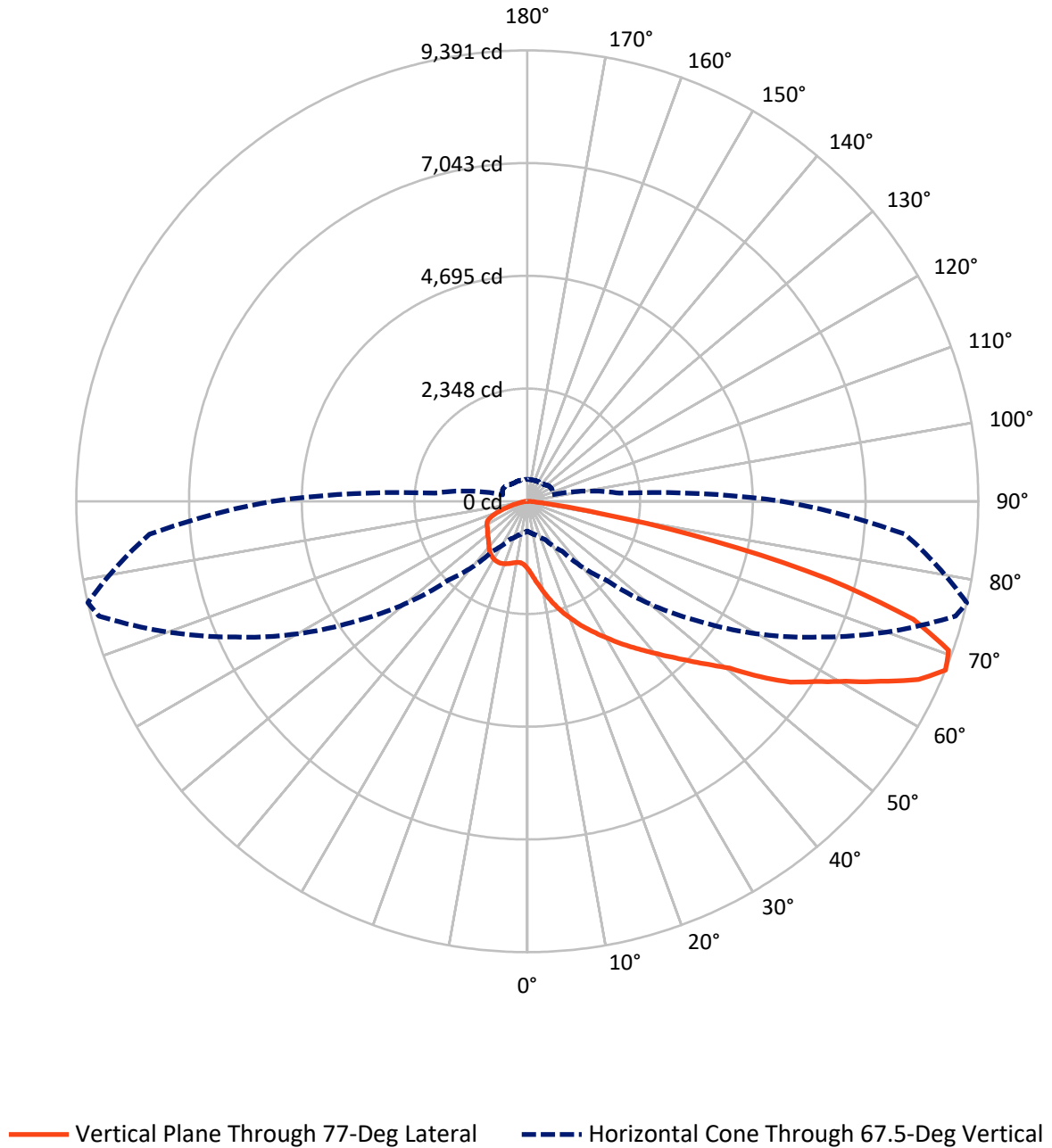
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type II - Medium - N/A

REPORT NUMBER: P948330  
CATALOG NUMBER: GALN-SB3B-930-U-T2R

### Luminous Intensity Polar Plot



REPORT NUMBER: P948330  
 CATALOG NUMBER: GALN-SB3B-930-U-T2R

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2264.4   | 0.0    | 2264.4  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 9706.6   | 0.0    | 9706.6  |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 11971.0  | 0.0    | 11971.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 150.6   | 1.3       |
| 10°-20°   | 540.9   | 4.5       |
| 20°-30°   | 1021.2  | 8.5       |
| 30°-40°   | 1645.2  | 13.7      |
| 40°-50°   | 2250.3  | 18.8      |
| 50°-60°   | 2538.3  | 21.2      |
| 60°-70°   | 2369.2  | 19.8      |
| 70°-80°   | 1298.7  | 10.8      |
| 80°-90°   | 156.7   | 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°    | 11971.0 | 100.0     |
| 0°-180°   | 11971.0 | 100.0     |



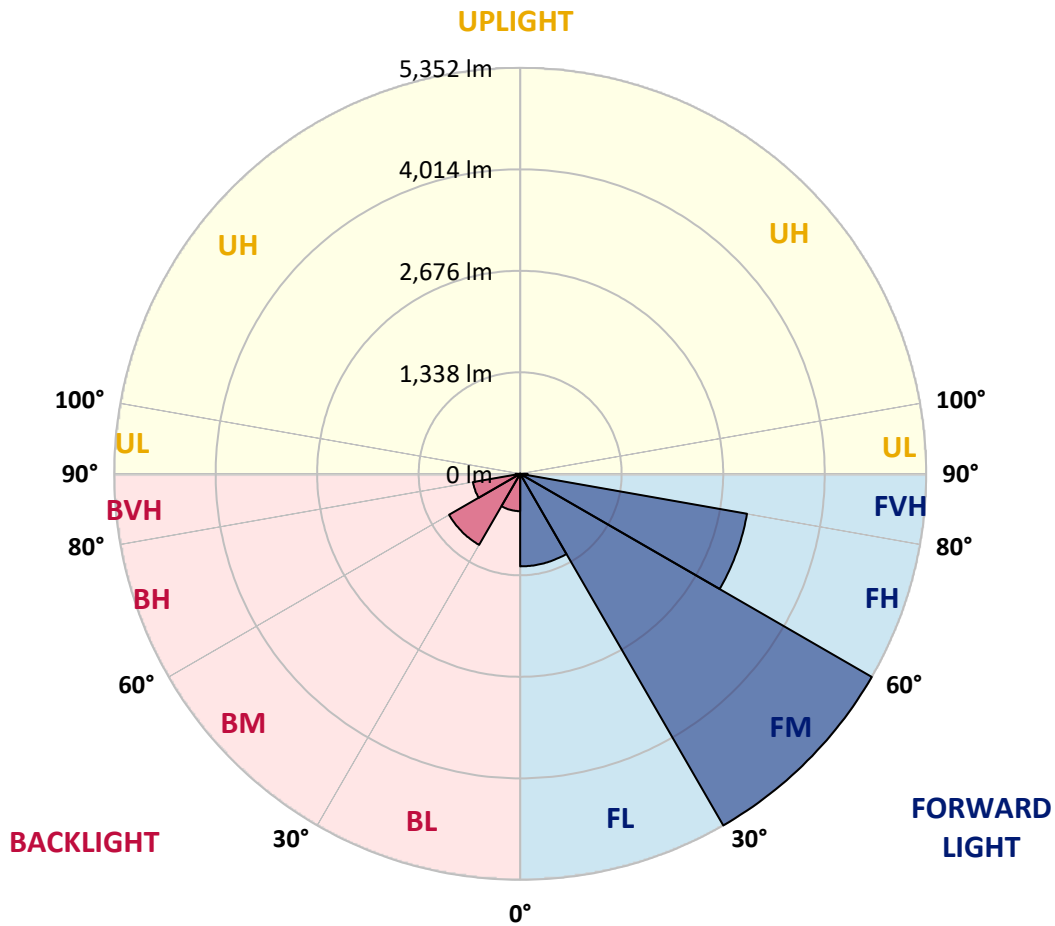
REPORT NUMBER: P948330  
 CATALOG NUMBER: GALN-SB3B-930-U-T2R

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1220.3 | 10.2      |                         |      |         |
| FM (30°-60°)   | 5352.1 | 44.7      |                         |      |         |
| FH (60°-80°)   | 3036.2 | 25.4      |                         |      | G2/5000 |
| FVH (80°-90°)  | 98.0   | 0.8       |                         |      | G1/100  |
| BL (0°-30°)    | 492.3  | 4.1       | B1/500                  |      |         |
| BM (30°-60°)   | 1081.7 | 9.0       | B2/2500                 |      |         |
| BH (60°-80°)   | 631.7  | 5.3       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 58.7   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



REPORT NUMBER: P948330  
 CATALOG NUMBER: GALN-SB3B-930-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 |
| 2.5°  | 1758.6 | 1771.0 | 1755.6 | 1755.6 | 1703.7 | 1676.5 | 1624.6 | 1585.0 | 1513.9 | 1501.6 |
| 5°    | 2078.7 | 2094.2 | 2072.6 | 2063.3 | 2002.1 | 1945.9 | 1858.8 | 1772.9 | 1646.2 | 1633.2 |
| 7.5°  | 2326.5 | 2346.3 | 2327.1 | 2317.3 | 2262.9 | 2199.9 | 2097.9 | 1978.0 | 1799.4 | 1774.1 |
| 10°   | 2528.6 | 2531.7 | 2525.5 | 2529.2 | 2486.6 | 2434.7 | 2330.2 | 2190.6 | 1967.5 | 1932.9 |
| 12.5° | 2642.9 | 2657.1 | 2669.5 | 2691.7 | 2684.3 | 2652.2 | 2558.3 | 2391.4 | 2145.5 | 2101.0 |
| 15°   | 2696.7 | 2721.4 | 2749.2 | 2800.5 | 2841.9 | 2849.9 | 2778.2 | 2607.1 | 2326.5 | 2272.8 |
| 17.5° | 2715.8 | 2739.3 | 2783.2 | 2857.3 | 2946.3 | 3006.3 | 2974.1 | 2816.6 | 2505.7 | 2443.9 |
| 20°   | 2812.8 | 2819.6 | 2846.2 | 2916.7 | 3013.1 | 3112.5 | 3136.6 | 3018.0 | 2683.1 | 2613.3 |
| 22.5° | 3020.5 | 3006.9 | 3014.3 | 3046.4 | 3115.6 | 3212.0 | 3267.0 | 3196.0 | 2865.4 | 2785.0 |
| 25°   | 3363.4 | 3323.9 | 3284.3 | 3247.3 | 3282.5 | 3336.9 | 3399.3 | 3373.9 | 3056.3 | 2954.4 |
| 27.5° | 3796.6 | 3748.4 | 3661.3 | 3539.5 | 3496.9 | 3516.1 | 3543.9 | 3538.9 | 3233.0 | 3129.8 |
| 30°   | 4223.0 | 4166.7 | 4062.9 | 3886.8 | 3774.4 | 3723.7 | 3702.7 | 3688.5 | 3425.2 | 3315.2 |
| 32.5° | 4563.5 | 4519.0 | 4417.0 | 4219.9 | 4056.8 | 3970.2 | 3900.4 | 3849.7 | 3626.1 | 3516.1 |
| 35°   | 4861.3 | 4819.9 | 4703.1 | 4488.1 | 4310.7 | 4218.7 | 4127.2 | 4019.1 | 3834.9 | 3723.7 |
| 37.5° | 5133.2 | 5091.8 | 4931.8 | 4708.1 | 4529.5 | 4465.8 | 4384.3 | 4200.7 | 4044.4 | 3939.3 |
| 40°   | 5305.0 | 5295.7 | 5146.2 | 4892.8 | 4707.4 | 4675.9 | 4648.7 | 4411.5 | 4276.7 | 4179.1 |
| 42.5° | 5348.9 | 5369.3 | 5250.6 | 5042.4 | 4865.6 | 4840.3 | 4903.9 | 4650.0 | 4537.5 | 4444.2 |
| 45°   | 5243.2 | 5301.9 | 5224.0 | 5082.5 | 4978.1 | 4964.5 | 5130.1 | 4910.7 | 4826.1 | 4740.8 |
| 47.5° | 4975.6 | 5075.1 | 5043.0 | 5023.2 | 5008.4 | 5067.1 | 5329.1 | 5187.6 | 5153.0 | 5078.8 |
| 50°   | 4435.5 | 4624.0 | 4680.3 | 4805.1 | 4948.4 | 5146.8 | 5510.1 | 5489.7 | 5534.9 | 5460.1 |
| 52.5° | 3501.8 | 3761.4 | 4087.7 | 4400.3 | 4764.3 | 5120.2 | 5709.1 | 5923.5 | 6113.9 | 6073.1 |
| 55°   | 2890.7 | 3007.5 | 3258.4 | 3831.8 | 4407.1 | 5008.4 | 5798.7 | 6273.9 | 6688.5 | 6652.1 |
| 57.5° | 2421.1 | 2525.5 | 2680.0 | 3158.9 | 3867.0 | 4754.4 | 5854.3 | 6487.7 | 7082.2 | 7078.5 |
| 60°   | 1917.5 | 2028.1 | 2186.3 | 2525.5 | 3236.1 | 4315.7 | 5842.0 | 6731.2 | 7584.6 | 7615.5 |
| 62.5° | 1349.0 | 1470.7 | 1646.2 | 1962.6 | 2591.6 | 3747.2 | 5589.9 | 6907.3 | 8175.9 | 8260.0 |
| 65°   | 886.7  | 967.1  | 1099.3 | 1372.4 | 1931.1 | 3016.1 | 5108.5 | 6930.2 | 8808.7 | 8950.8 |
| 67.5° | 621.6  | 652.5  | 730.4  | 878.7  | 1272.9 | 2312.9 | 4341.6 | 6693.5 | 9230.7 | 9390.8 |
| 70°   | 485.1  | 500.5  | 540.1  | 599.4  | 799.6  | 1555.3 | 3327.0 | 6078.0 | 9140.5 | 9307.4 |
| 72.5° | 419.0  | 433.8  | 448.6  | 456.0  | 536.4  | 960.3  | 2253.6 | 5081.9 | 8290.9 | 8403.9 |
| 75°   | 380.0  | 383.7  | 396.1  | 393.6  | 409.1  | 622.9  | 1300.8 | 3702.7 | 6541.5 | 6502.5 |
| 77.5° | 319.5  | 324.4  | 344.8  | 341.7  | 363.3  | 425.8  | 675.4  | 2389.6 | 4240.9 | 3976.4 |
| 80°   | 270.7  | 273.1  | 295.4  | 291.7  | 315.8  | 308.4  | 344.8  | 1218.0 | 1798.8 | 1523.8 |
| 82.5° | 93.9   | 116.2  | 225.5  | 232.3  | 241.0  | 186.6  | 199.0  | 496.8  | 549.3  | 420.8  |
| 85°   | 45.7   | 48.8   | 114.9  | 163.1  | 162.5  | 93.9   | 97.0   | 177.3  | 173.0  | 135.9  |
| 87.5° | 7.4    | 9.3    | 13.6   | 63.6   | 50.7   | 24.7   | 33.4   | 34.6   | 35.8   | 30.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P948330  
 CATALOG NUMBER: GALN-SB3B-930-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1404.6 | 0°    | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 | 1404.6 |
| 1454.6 | 2.5°  | 1420.0 | 1389.1 | 1324.2 | 1264.3 | 1217.3 | 1172.2 | 1146.9 | 1125.3 | 1112.9 | 1110.4 |
| 1522.6 | 5°    | 1458.3 | 1394.7 | 1276.7 | 1177.2 | 1112.3 | 1064.1 | 1038.8 | 1022.7 | 1014.7 | 1009.7 |
| 1614.1 | 7.5°  | 1513.3 | 1420.0 | 1251.9 | 1138.9 | 1070.9 | 1036.3 | 1023.3 | 1020.8 | 1020.2 | 1020.8 |
| 1724.7 | 10°   | 1589.3 | 1461.4 | 1249.5 | 1129.6 | 1072.7 | 1053.6 | 1053.0 | 1053.6 | 1056.1 | 1056.7 |
| 1845.2 | 12.5° | 1671.5 | 1504.1 | 1259.4 | 1137.6 | 1096.2 | 1085.7 | 1083.9 | 1083.2 | 1085.1 | 1086.3 |
| 1966.9 | 15°   | 1761.1 | 1560.3 | 1276.0 | 1154.9 | 1122.2 | 1111.1 | 1109.2 | 1105.5 | 1104.9 | 1104.3 |
| 2094.8 | 17.5° | 1853.2 | 1615.9 | 1294.6 | 1173.5 | 1138.9 | 1123.4 | 1116.6 | 1108.0 | 1101.2 | 1099.3 |
| 2227.0 | 20°   | 1946.5 | 1670.9 | 1307.6 | 1182.7 | 1140.1 | 1118.5 | 1104.9 | 1090.0 | 1078.3 | 1071.5 |
| 2360.5 | 22.5° | 2046.0 | 1728.4 | 1315.6 | 1180.3 | 1129.0 | 1099.3 | 1074.6 | 1057.3 | 1039.4 | 1027.6 |
| 2495.2 | 25°   | 2143.0 | 1778.4 | 1315.0 | 1167.3 | 1107.3 | 1069.6 | 1038.1 | 1015.9 | 991.2  | 978.8  |
| 2634.3 | 27.5° | 2236.3 | 1823.5 | 1299.5 | 1144.4 | 1076.4 | 1034.4 | 996.7  | 970.2  | 946.1  | 934.3  |
| 2774.5 | 30°   | 2332.7 | 1861.2 | 1275.4 | 1111.1 | 1040.0 | 993.6  | 952.2  | 929.4  | 907.7  | 896.6  |
| 2922.8 | 32.5° | 2428.5 | 1895.8 | 1241.4 | 1069.6 | 998.0  | 953.5  | 912.7  | 891.7  | 878.7  | 878.7  |
| 3082.3 | 35°   | 2529.8 | 1919.9 | 1196.3 | 1021.4 | 953.5  | 910.8  | 878.7  | 866.3  | 865.1  | 857.7  |
| 3251.0 | 37.5° | 2636.7 | 1935.4 | 1141.3 | 972.0  | 909.6  | 869.4  | 859.6  | 844.7  | 832.4  | 816.3  |
| 3436.3 | 40°   | 2749.2 | 1950.8 | 1075.2 | 920.7  | 863.3  | 841.0  | 836.7  | 816.9  | 781.7  | 742.1  |
| 3646.4 | 42.5° | 2885.8 | 1961.3 | 1006.6 | 869.4  | 814.4  | 807.0  | 813.2  | 779.2  | 723.0  | 693.3  |
| 3899.8 | 45°   | 3044.0 | 1978.6 | 943.6  | 818.8  | 764.4  | 764.4  | 790.3  | 745.8  | 699.5  | 681.0  |
| 4189.0 | 47.5° | 3249.1 | 2018.8 | 884.9  | 763.2  | 718.0  | 730.4  | 739.7  | 705.7  | 679.7  | 656.9  |
| 4541.2 | 50°   | 3545.7 | 2115.2 | 824.3  | 706.9  | 682.8  | 707.5  | 694.6  | 674.8  | 644.5  | 626.0  |
| 5101.1 | 52.5° | 3914.0 | 2172.0 | 770.6  | 656.2  | 652.5  | 677.3  | 658.7  | 640.2  | 617.3  | 592.6  |
| 5525.6 | 55°   | 4164.9 | 2182.6 | 725.5  | 619.2  | 632.1  | 629.7  | 622.9  | 606.2  | 593.8  | 561.1  |
| 5944.6 | 57.5° | 4445.4 | 2203.6 | 688.4  | 596.9  | 619.2  | 592.0  | 589.5  | 575.3  | 559.2  | 537.0  |
| 6455.6 | 60°   | 4781.0 | 2236.3 | 656.2  | 588.3  | 608.0  | 567.3  | 554.9  | 549.3  | 533.3  | 522.2  |
| 7070.4 | 62.5° | 5146.8 | 2266.0 | 623.5  | 589.5  | 595.1  | 543.2  | 524.6  | 522.8  | 512.9  | 509.2  |
| 7647.6 | 65°   | 5396.4 | 2185.0 | 582.7  | 588.3  | 574.7  | 518.4  | 495.0  | 494.3  | 486.3  | 485.1  |
| 7897.8 | 67.5° | 5309.3 | 1928.6 | 527.7  | 571.0  | 553.7  | 493.7  | 467.8  | 465.3  | 454.8  | 455.4  |
| 7636.5 | 70°   | 4873.0 | 1562.8 | 451.7  | 528.3  | 527.7  | 471.5  | 439.4  | 431.3  | 417.1  | 419.6  |
| 6639.7 | 72.5° | 4054.9 | 1158.0 | 349.8  | 457.3  | 486.3  | 451.1  | 406.6  | 393.6  | 375.7  | 378.2  |
| 4901.5 | 75°   | 2928.4 | 787.3  | 254.6  | 347.9  | 423.3  | 427.0  | 374.5  | 352.2  | 330.6  | 334.3  |
| 2728.2 | 77.5° | 1498.5 | 446.2  | 187.2  | 239.8  | 332.4  | 388.1  | 345.4  | 315.8  | 310.8  | 345.4  |
| 786.6  | 80°   | 488.8  | 223.7  | 129.8  | 168.1  | 218.1  | 317.6  | 302.8  | 268.8  | 267.6  | 275.6  |
| 165.0  | 82.5° | 145.8  | 94.5   | 83.4   | 110.6  | 120.5  | 243.5  | 261.4  | 203.3  | 174.9  | 184.1  |
| 55.0   | 85°   | 50.1   | 45.7   | 47.6   | 55.0   | 57.5   | 142.7  | 182.9  | 134.7  | 127.3  | 140.3  |
| 12.4   | 87.5° | 11.7   | 16.1   | 13.6   | 12.4   | 12.4   | 34.6   | 71.1   | 56.2   | 77.9   | 51.9   |
| 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> |
|-------------|
| 1404.6      |
| 1110.4      |
| 1009.1      |
| 1022.7      |
| 1057.3      |
| 1087.0      |
| 1103.6      |
| 1101.2      |
| 1074.0      |
| 1028.2      |
| 978.8       |
| 933.7       |
| 896.0       |
| 879.3       |
| 855.8       |
| 813.8       |
| 736.6       |
| 693.9       |
| 684.1       |
| 656.2       |
| 624.1       |
| 587.7       |
| 561.7       |
| 529.6       |
| 525.2       |
| 509.2       |
| 484.5       |
| 455.4       |
| 422.1       |
| 377.6       |
| 335.5       |
| 340.5       |
| 236.7       |
| 190.3       |
| 138.4       |
| 50.1        |
| 0.0         |

F REPORT)