

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: P529509

Luminaire Tested: **GALN-SA4C-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529509  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA4C-830-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12218 lumens  
Efficiency: N/A  
Efficacy: 57.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 213  
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

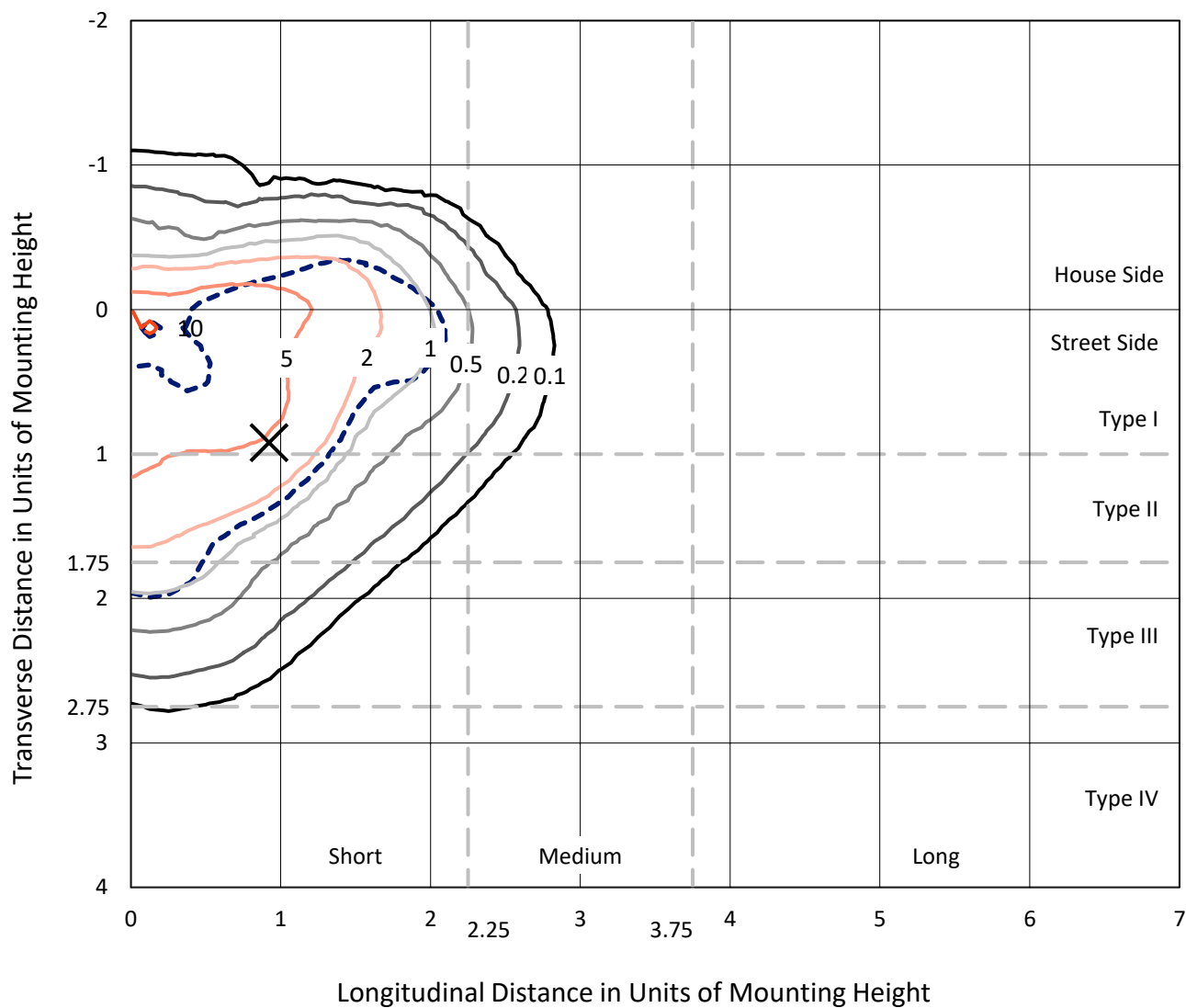


REPORT NUMBER: P529509  
 CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

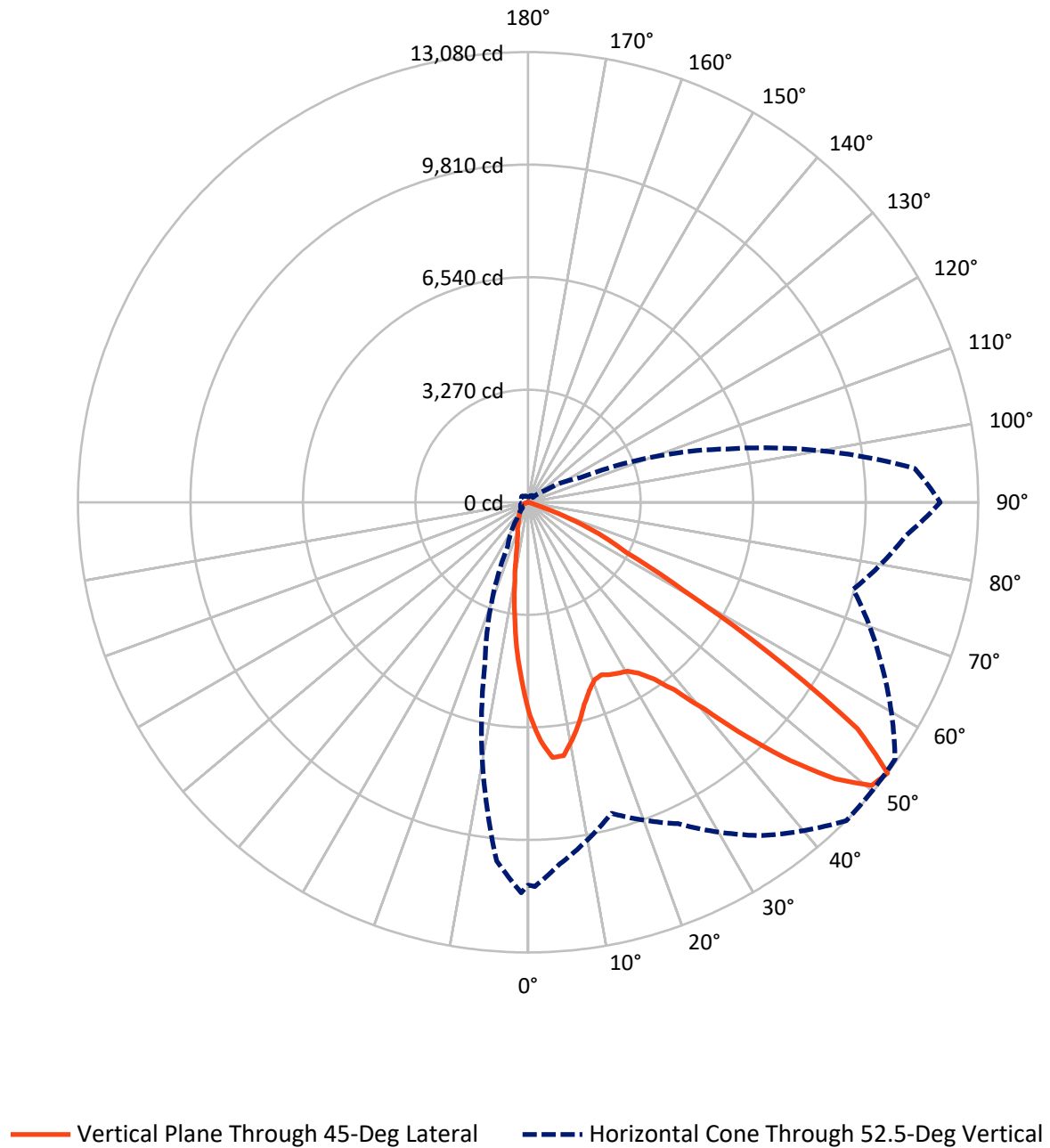
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P529509  
CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

## Luminous Intensity Polar Plot



REPORT NUMBER: P529509

CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2479.6   | 0.0    | 2479.6  |
|                    | % Fixture | 20.3     | 0.0    | 20.3    |
| <b>Street Side</b> | Lumens    | 9738.4   | 0.0    | 9738.4  |
|                    | % Fixture | 79.7     | 0.0    | 79.7    |
| <b>Total</b>       | Lumens    | 12218.0  | 0.0    | 12218.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 451.8   | 3.7       |
| 10°-20°   | 891.4   | 7.3       |
| 20°-30°   | 1356.5  | 11.1      |
| 30°-40°   | 2027.5  | 16.6      |
| 40°-50°   | 2887.4  | 23.6      |
| 50°-60°   | 3103.8  | 25.4      |
| 60°-70°   | 1375.4  | 11.3      |
| 70°-80°   | 111.3   | 0.9       |
| 80°-90°   | 13.0    | 0.1       |
| 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°    | 12218.0 | 100.0     |
| 0°-180°   | 12218.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P529509

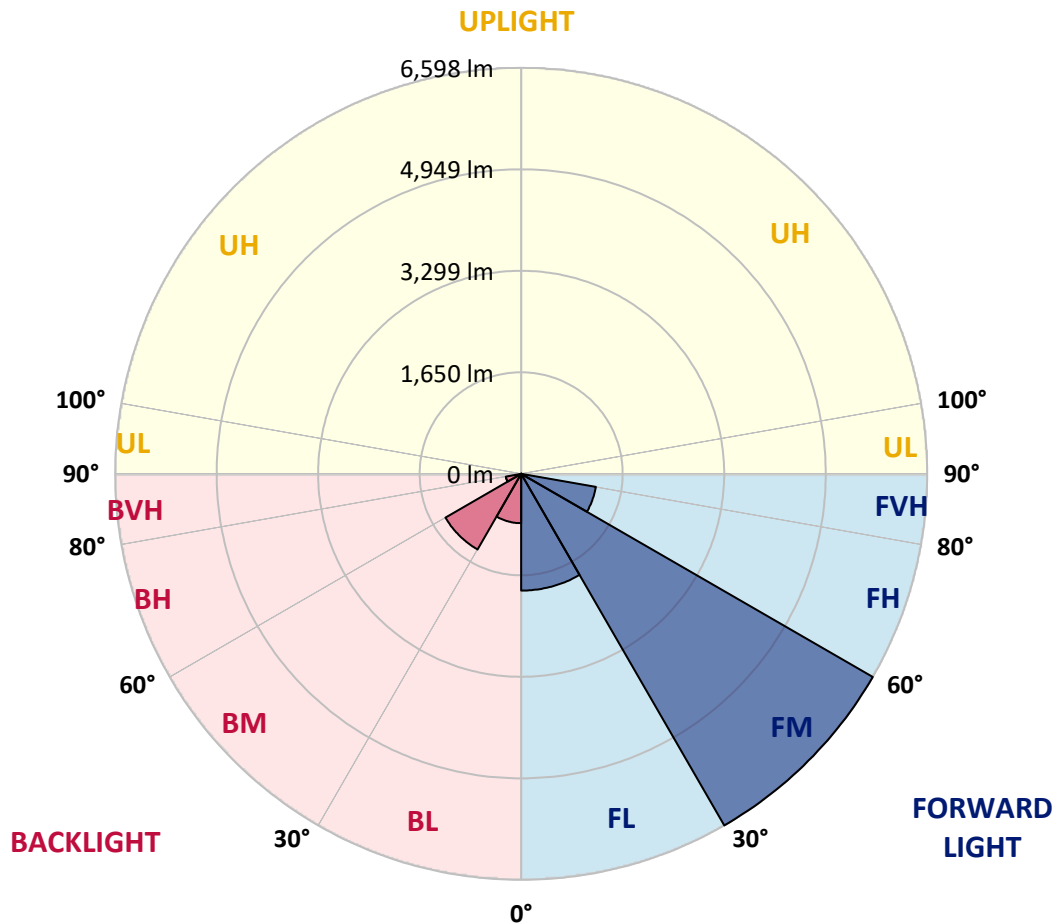
CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1897.7 | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 6598.1 | 54.0      |                         |      |         |
| FH   | (60°-80°)   | 1232.9 | 10.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 9.6    | 0.1       |                         |      | G0/10   |
| BL   | (0°-30°)    | 802.0  | 6.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1420.6 | 11.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 253.7  | 2.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 3.4    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type III Short



REPORT NUMBER: P529509

CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°    | 85°     |
|-------|---------|---------|---------|--------|---------|---------|---------|---------|---------|--------|---------|
| 0°    | 6195.1  | 6195.1  | 6195.1  | 6195.1 | 6195.1  | 6195.1  | 6195.1  | 6195.1  | 6195.1  | 6195.1 | 6195.1  |
| 2.5°  | 6555.6  | 6574.8  | 6680.5  | 6812.7 | 6882.4  | 7041.0  | 6930.4  | 6959.3  | 6899.2  | 6687.7 | 6521.9  |
| 5°    | 6356.1  | 6353.7  | 6488.3  | 6815.1 | 7125.1  | 7439.9  | 7449.5  | 7281.3  | 6985.7  | 6661.3 | 6197.5  |
| 7.5°  | 5755.3  | 5849.1  | 5988.4  | 6509.9 | 7084.2  | 7319.7  | 7432.7  | 7235.6  | 6781.4  | 6317.7 | 5815.4  |
| 10°   | 5301.2  | 5349.2  | 5584.7  | 6214.3 | 6634.9  | 6949.7  | 7019.3  | 6906.4  | 6558.0  | 5978.8 | 5416.5  |
| 12.5° | 5039.2  | 5063.3  | 5339.6  | 5868.3 | 6312.8  | 6545.9  | 6579.6  | 6632.5  | 6382.5  | 5839.4 | 5164.2  |
| 15°   | 5041.6  | 5060.8  | 5433.3  | 5875.5 | 6050.9  | 5988.4  | 6099.0  | 6096.6  | 6204.7  | 5813.0 | 5375.6  |
| 17.5° | 5404.5  | 5426.1  | 5762.5  | 5981.2 | 5904.3  | 5757.7  | 5750.5  | 5861.1  | 6089.4  | 6142.2 | 5695.3  |
| 20°   | 6029.3  | 6079.7  | 6327.3  | 6315.2 | 5882.7  | 5587.1  | 5505.4  | 5589.5  | 6120.6  | 6421.0 | 6339.3  |
| 22.5° | 6870.4  | 6940.0  | 7113.1  | 6781.4 | 5981.2  | 5471.8  | 5445.3  | 5608.7  | 6327.3  | 7043.4 | 7069.8  |
| 25°   | 7846.0  | 7963.7  | 8047.9  | 7622.5 | 6332.1  | 5671.2  | 5546.3  | 5827.4  | 6606.0  | 7718.6 | 7999.8  |
| 27.5° | 8492.4  | 8615.0  | 8595.8  | 7987.8 | 6567.6  | 5724.1  | 5618.4  | 5880.3  | 6848.7  | 7879.6 | 8485.2  |
| 30°   | 8997.1  | 9071.6  | 9206.1  | 8184.8 | 6803.1  | 5873.1  | 5692.9  | 6103.8  | 6928.0  | 8158.4 | 9071.6  |
| 32.5° | 9585.8  | 9636.3  | 9645.9  | 8533.3 | 7165.9  | 6060.5  | 5923.5  | 6382.5  | 7278.9  | 8425.1 | 9590.6  |
| 35°   | 10179.4 | 10253.9 | 10097.7 | 8963.4 | 7389.4  | 6409.0  | 6308.0  | 6865.5  | 7560.0  | 8701.5 | 10162.5 |
| 37.5° | 10823.4 | 10861.8 | 10501.4 | 9141.2 | 7709.0  | 6976.1  | 6920.8  | 7387.0  | 8047.9  | 9201.3 | 10797.0 |
| 40°   | 11364.1 | 11400.1 | 10931.5 | 9359.9 | 8045.5  | 7769.1  | 7910.9  | 8381.9  | 8711.1  | 9525.7 | 11114.2 |
| 42.5° | 11664.5 | 11748.6 | 11075.7 | 9239.8 | 8720.7  | 8667.8  | 9297.4  | 9463.3  | 9480.1  | 9617.1 | 11397.7 |
| 45°   | 11746.2 | 11707.7 | 10837.8 | 9338.3 | 9311.9  | 10145.7 | 10717.7 | 10936.3 | 10244.3 | 9785.3 | 11469.8 |
| 47.5° | 11368.9 | 11419.4 | 10487.0 | 9251.8 | 10088.1 | 11265.6 | 12005.7 | 12411.8 | 10813.8 | 9638.7 | 11292.0 |
| 50°   | 11063.7 | 10998.8 | 10374.0 | 9189.3 | 10297.1 | 11794.2 | 12935.7 | 13027.0 | 11337.6 | 9818.9 | 11097.3 |
| 52.5° | 11123.8 | 11164.6 | 10554.2 | 9355.1 | 10301.9 | 11825.5 | 13079.9 | 13017.4 | 11354.5 | 9778.1 | 11027.7 |
| 55°   | 11251.1 | 11070.9 | 10477.4 | 8989.9 | 9612.2  | 10953.2 | 11609.2 | 11513.1 | 10479.8 | 9343.1 | 10857.0 |
| 57.5° | 9708.4  | 9987.1  | 9633.9  | 8026.2 | 7889.3  | 8252.1  | 8240.1  | 8535.7  | 7817.2  | 8040.6 | 9883.8  |
| 60°   | 7879.6  | 7927.7  | 8059.9  | 6865.5 | 5459.8  | 5334.8  | 5161.8  | 4974.3  | 5260.3  | 6875.2 | 8989.9  |
| 62.5° | 6930.4  | 6872.8  | 7343.8  | 6245.6 | 3854.5  | 3227.3  | 3198.5  | 3313.8  | 4058.8  | 6558.0 | 8432.3  |
| 65°   | 5036.8  | 5108.9  | 5450.1  | 4847.0 | 2893.3  | 2463.1  | 2419.9  | 2761.1  | 3285.0  | 5255.5 | 6435.4  |
| 67.5° | 3075.9  | 3215.3  | 3246.5  | 2989.4 | 1963.3  | 1559.6  | 1497.1  | 1807.1  | 2371.8  | 3400.3 | 3772.8  |
| 70°   | 1420.2  | 1588.4  | 1747.0  | 1631.7 | 1136.6  | 641.6   | 605.6   | 759.4   | 1196.7  | 1956.1 | 2001.8  |
| 72.5° | 430.1   | 432.6   | 605.6   | 632.0  | 367.7   | 144.2   | 127.4   | 168.2   | 406.1   | 646.4  | 680.1   |
| 75°   | 31.2    | 33.6    | 81.7    | 93.7   | 69.7    | 36.0    | 38.4    | 45.7    | 86.5    | 144.2  | 108.1   |
| 77.5° | 2.4     | 2.4     | 2.4     | 12.0   | 21.6    | 24.0    | 31.2    | 36.0    | 45.7    | 52.9   | 48.1    |
| 80°   | 2.4     | 0.0     | 2.4     | 9.6    | 16.8    | 24.0    | 28.8    | 33.6    | 36.0    | 40.9   | 36.0    |
| 82.5° | 0.0     | 0.0     | 0.0     | 7.2    | 16.8    | 24.0    | 26.4    | 36.0    | 40.9    | 48.1   | 40.9    |
| 85°   | 0.0     | 0.0     | 0.0     | 7.2    | 16.8    | 26.4    | 24.0    | 12.0    | 0.0     | 0.0    | 0.0     |
| 87.5° | 0.0     | 0.0     | 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     |

REPORT NUMBER: P529509

CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6195.1  | 6195.1  | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 |
| 2.5°  | 6550.7  | 6457.0  | 6243.2 | 6135.0 | 5880.3 | 5844.2 | 5594.3 | 5553.5 | 5469.4 | 5423.7 | 5313.2 |
| 5°    | 5993.2  | 5880.3  | 5531.8 | 5238.7 | 4897.4 | 4659.5 | 4476.9 | 4311.1 | 4215.0 | 4126.1 | 4166.9 |
| 7.5°  | 5539.1  | 5209.8  | 4822.9 | 4332.7 | 3938.6 | 3683.9 | 3405.1 | 3176.8 | 3042.3 | 2951.0 | 2972.6 |
| 10°   | 5063.3  | 4849.4  | 4311.1 | 3760.8 | 3285.0 | 3104.8 | 2886.1 | 2710.7 | 2520.8 | 2357.4 | 2280.5 |
| 12.5° | 4914.3  | 4597.1  | 3921.8 | 3361.9 | 3001.4 | 2826.0 | 2576.1 | 2374.2 | 2131.5 | 1932.1 | 1862.4 |
| 15°   | 4940.7  | 4635.5  | 3816.1 | 3217.7 | 2792.4 | 2489.6 | 2191.6 | 1941.7 | 1674.9 | 1535.6 | 1463.5 |
| 17.5° | 5370.8  | 4842.2  | 3885.8 | 3066.3 | 2501.6 | 2081.1 | 1713.4 | 1396.2 | 1196.7 | 1052.5 | 1021.3 |
| 20°   | 5899.5  | 5289.1  | 4034.7 | 2955.8 | 2263.7 | 1655.7 | 1252.0 | 978.0  | 812.2  | 788.2  | 781.0  |
| 22.5° | 6673.3  | 6019.7  | 4354.3 | 2881.3 | 1972.9 | 1290.4 | 857.9  | 711.3  | 665.6  | 660.8  | 663.2  |
| 25°   | 7754.7  | 6935.2  | 4702.8 | 2818.8 | 1754.2 | 994.9  | 701.7  | 603.2  | 588.8  | 581.5  | 593.6  |
| 27.5° | 8223.3  | 7487.9  | 4887.8 | 2684.2 | 1554.8 | 896.3  | 692.1  | 598.4  | 557.5  | 545.5  | 552.7  |
| 30°   | 8802.4  | 7855.6  | 5178.6 | 2453.5 | 1261.6 | 737.7  | 646.4  | 651.2  | 632.0  | 571.9  | 552.7  |
| 32.5° | 9571.4  | 8314.6  | 5325.2 | 2290.1 | 1127.0 | 610.4  | 473.4  | 435.0  | 485.4  | 495.0  | 511.9  |
| 35°   | 10064.0 | 8780.8  | 5399.7 | 2194.0 | 1057.3 | 521.5  | 401.3  | 365.3  | 353.3  | 355.7  | 365.3  |
| 37.5° | 10979.6 | 9410.4  | 5493.4 | 2093.1 | 1004.5 | 454.2  | 362.9  | 329.2  | 312.4  | 312.4  | 322.0  |
| 40°   | 11527.5 | 9910.2  | 5620.8 | 2037.8 | 951.6  | 413.3  | 329.2  | 300.4  | 286.0  | 286.0  | 290.8  |
| 42.5° | 11664.5 | 10157.7 | 5577.5 | 2018.6 | 891.5  | 403.7  | 300.4  | 278.8  | 261.9  | 259.5  | 257.1  |
| 45°   | 11909.6 | 10535.0 | 5584.7 | 1996.9 | 829.1  | 367.7  | 283.6  | 259.5  | 235.5  | 233.1  | 230.7  |
| 47.5° | 12178.7 | 10806.6 | 5599.1 | 1912.8 | 769.0  | 307.6  | 295.6  | 240.3  | 211.5  | 206.7  | 206.7  |
| 50°   | 11948.0 | 11022.8 | 5724.1 | 1828.7 | 692.1  | 249.9  | 290.8  | 225.9  | 187.4  | 180.2  | 182.6  |
| 52.5° | 11976.9 | 11277.6 | 5988.4 | 1711.0 | 596.0  | 199.5  | 235.5  | 213.9  | 170.6  | 158.6  | 161.0  |
| 55°   | 11515.5 | 11008.4 | 6024.5 | 1586.0 | 466.2  | 153.8  | 180.2  | 187.4  | 144.2  | 139.4  | 139.4  |
| 57.5° | 9912.6  | 9321.5  | 5315.6 | 1285.6 | 307.6  | 127.4  | 129.8  | 163.4  | 125.0  | 120.2  | 122.6  |
| 60°   | 8482.8  | 7483.1  | 4277.5 | 848.3  | 192.2  | 100.9  | 93.7   | 165.8  | 110.5  | 108.1  | 115.3  |
| 62.5° | 7733.1  | 6149.4  | 3244.1 | 526.3  | 132.2  | 76.9   | 64.9   | 134.6  | 96.1   | 96.1   | 105.7  |
| 65°   | 5587.1  | 4130.9  | 1886.4 | 276.4  | 93.7   | 60.1   | 48.1   | 76.9   | 79.3   | 81.7   | 86.5   |
| 67.5° | 3460.4  | 2085.9  | 795.4  | 134.6  | 62.5   | 40.9   | 31.2   | 48.1   | 52.9   | 52.9   | 57.7   |
| 70°   | 1708.6  | 831.5   | 264.3  | 76.9   | 48.1   | 33.6   | 21.6   | 26.4   | 26.4   | 24.0   | 26.4   |
| 72.5° | 528.7   | 249.9   | 67.3   | 48.1   | 33.6   | 21.6   | 12.0   | 9.6    | 4.8    | 0.0    | 2.4    |
| 75°   | 60.1    | 48.1    | 43.3   | 33.6   | 21.6   | 9.6    | 2.4    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 36.0    | 40.9    | 40.9   | 33.6   | 21.6   | 7.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 28.8    | 31.2    | 33.6   | 31.2   | 19.2   | 9.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 36.0    | 40.9    | 45.7   | 40.9   | 26.4   | 12.0   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 7.2    | 2.4    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0     | 0.0     | 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    |

REPORT NUMBER: P529509

CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 |
| 2.5°  | 5267.5 | 5214.6 | 5289.1 | 5178.6 | 5176.2 | 5178.6 | 5147.4 | 5118.5 | 5164.2 | 5286.7 | 5298.8 |
| 5°    | 4020.3 | 4133.3 | 4169.3 | 4287.1 | 4222.2 | 4126.1 | 4145.3 | 4080.4 | 4239.0 | 4308.7 | 4253.4 |
| 7.5°  | 2926.9 | 2919.7 | 3162.4 | 3176.8 | 3208.1 | 3210.5 | 3205.7 | 3078.3 | 2948.6 | 2977.4 | 3063.9 |
| 10°   | 2270.9 | 2148.3 | 2266.1 | 2254.1 | 2331.0 | 2309.3 | 2340.6 | 2203.6 | 2249.3 | 2249.3 | 2304.5 |
| 12.5° | 1850.4 | 1720.6 | 1699.0 | 1667.7 | 1699.0 | 1711.0 | 1723.0 | 1696.6 | 1773.5 | 1809.5 | 1848.0 |
| 15°   | 1413.0 | 1340.9 | 1321.7 | 1261.6 | 1271.2 | 1304.9 | 1333.7 | 1345.7 | 1321.7 | 1377.0 | 1381.8 |
| 17.5° | 1026.1 | 1023.7 | 1035.7 | 1033.3 | 1023.7 | 1016.5 | 1014.1 | 982.9  | 973.2  | 978.0  | 997.3  |
| 20°   | 778.6  | 797.8  | 838.7  | 879.5  | 901.1  | 874.7  | 838.7  | 785.8  | 764.2  | 769.0  | 771.4  |
| 22.5° | 665.6  | 694.5  | 749.8  | 795.4  | 817.0  | 769.0  | 704.1  | 658.4  | 648.8  | 646.4  | 644.0  |
| 25°   | 603.2  | 636.8  | 677.7  | 692.1  | 689.7  | 660.8  | 612.8  | 593.6  | 588.8  | 583.9  | 562.3  |
| 27.5° | 569.5  | 581.5  | 588.8  | 605.6  | 612.8  | 593.6  | 581.5  | 552.7  | 547.9  | 547.9  | 533.5  |
| 30°   | 550.3  | 543.1  | 552.7  | 540.7  | 550.3  | 535.9  | 538.3  | 538.3  | 526.3  | 531.1  | 531.1  |
| 32.5° | 511.9  | 514.3  | 514.3  | 490.2  | 497.4  | 480.6  | 497.4  | 511.9  | 514.3  | 516.7  | 535.9  |
| 35°   | 374.9  | 418.1  | 439.8  | 439.8  | 447.0  | 435.0  | 432.6  | 415.7  | 394.1  | 372.5  | 362.9  |
| 37.5° | 329.2  | 346.0  | 374.9  | 391.7  | 403.7  | 394.1  | 372.5  | 346.0  | 334.0  | 324.4  | 314.8  |
| 40°   | 293.2  | 307.6  | 326.8  | 346.0  | 370.1  | 358.1  | 324.4  | 312.4  | 298.0  | 298.0  | 288.4  |
| 42.5° | 264.3  | 271.5  | 283.6  | 312.4  | 338.8  | 314.8  | 290.8  | 281.2  | 273.9  | 271.5  | 269.1  |
| 45°   | 237.9  | 240.3  | 252.3  | 276.4  | 307.6  | 283.6  | 259.5  | 247.5  | 249.9  | 252.3  | 249.9  |
| 47.5° | 213.9  | 218.7  | 225.9  | 254.7  | 273.9  | 261.9  | 235.5  | 228.3  | 228.3  | 228.3  | 230.7  |
| 50°   | 185.0  | 197.1  | 211.5  | 235.5  | 249.9  | 242.7  | 221.1  | 211.5  | 206.7  | 206.7  | 209.1  |
| 52.5° | 165.8  | 175.4  | 194.6  | 223.5  | 242.7  | 230.7  | 209.1  | 194.6  | 185.0  | 182.6  | 187.4  |
| 55°   | 144.2  | 161.0  | 192.2  | 213.9  | 240.3  | 228.3  | 204.3  | 187.4  | 170.6  | 168.2  | 168.2  |
| 57.5° | 129.8  | 156.2  | 185.0  | 211.5  | 233.1  | 223.5  | 204.3  | 182.6  | 161.0  | 158.6  | 158.6  |
| 60°   | 122.6  | 151.4  | 180.2  | 204.3  | 233.1  | 218.7  | 201.9  | 177.8  | 153.8  | 153.8  | 151.4  |
| 62.5° | 115.3  | 141.8  | 170.6  | 194.6  | 223.5  | 211.5  | 194.6  | 170.6  | 146.6  | 146.6  | 141.8  |
| 65°   | 96.1   | 122.6  | 141.8  | 163.4  | 194.6  | 182.6  | 165.8  | 149.0  | 129.8  | 125.0  | 127.4  |
| 67.5° | 67.3   | 84.1   | 103.3  | 125.0  | 144.2  | 139.4  | 132.2  | 120.2  | 103.3  | 100.9  | 98.5   |
| 70°   | 33.6   | 45.7   | 62.5   | 84.1   | 100.9  | 96.1   | 91.3   | 81.7   | 72.1   | 69.7   | 69.7   |
| 72.5° | 4.8    | 14.4   | 26.4   | 38.4   | 52.9   | 55.3   | 52.9   | 50.5   | 48.1   | 45.7   | 48.1   |
| 75°   | 0.0    | 0.0    | 0.0    | 9.6    | 21.6   | 26.4   | 31.2   | 36.0   | 36.0   | 31.2   | 38.4   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 2.4    | 12.0   | 24.0   | 31.2   | 38.4   | 33.6   | 45.7   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 2.4    | 14.4   | 24.0   | 33.6   | 38.4   | 33.6   | 48.1   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 2.4    | 16.8   | 24.0   | 31.2   | 36.0   | 33.6   | 43.3   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 7.2    | 14.4   | 9.6    | 4.8    | 2.4    | 2.4    | 7.2    |
| 87.5° | 0.0    | 0.0    | 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    |

REPORT NUMBER: P529509

CATALOG NUMBER: GALN-SA4C-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1 | 6195.1  | 6195.1  | 6195.1  |
| 2.5°  | 5366.0 | 5536.7 | 5719.3 | 5789.0 | 6005.3 | 6168.7 | 6279.2 | 6517.1  | 6553.2  | 6555.6  |
| 5°    | 4311.1 | 4397.6 | 4710.0 | 4856.6 | 5178.6 | 5428.5 | 5695.3 | 6079.7  | 6336.9  | 6356.1  |
| 7.5°  | 3063.9 | 3304.2 | 3436.4 | 3818.5 | 4215.0 | 4606.7 | 5003.2 | 5450.1  | 5748.1  | 5755.3  |
| 10°   | 2465.5 | 2621.7 | 2857.2 | 3143.2 | 3477.2 | 3876.1 | 4404.8 | 4923.9  | 5226.7  | 5301.2  |
| 12.5° | 1984.9 | 2258.9 | 2528.0 | 2823.6 | 3078.3 | 3378.7 | 3948.2 | 4640.3  | 4890.2  | 5039.2  |
| 15°   | 1528.3 | 1778.3 | 2095.5 | 2441.5 | 2729.9 | 3131.2 | 3780.0 | 4570.6  | 4991.2  | 5041.6  |
| 17.5° | 1127.0 | 1350.5 | 1643.7 | 1970.5 | 2403.1 | 2972.6 | 3808.9 | 4923.9  | 5320.4  | 5404.5  |
| 20°   | 809.8  | 939.6  | 1170.3 | 1550.0 | 2100.3 | 2787.6 | 3837.7 | 5281.9  | 5885.1  | 6029.3  |
| 22.5° | 641.6  | 694.5  | 845.9  | 1182.3 | 1761.4 | 2592.9 | 4042.0 | 5966.8  | 6661.3  | 6870.4  |
| 25°   | 557.5  | 586.3  | 658.4  | 932.4  | 1547.6 | 2573.7 | 4368.8 | 6788.7  | 7694.6  | 7846.0  |
| 27.5° | 538.3  | 543.1  | 605.6  | 855.5  | 1432.2 | 2446.3 | 4493.7 | 7372.6  | 8338.6  | 8492.4  |
| 30°   | 567.1  | 644.0  | 648.8  | 723.3  | 1218.4 | 2194.0 | 4558.6 | 7937.3  | 8884.1  | 8997.1  |
| 32.5° | 490.2  | 466.2  | 483.0  | 559.9  | 1071.8 | 2047.4 | 4681.2 | 8429.9  | 9506.5  | 9585.8  |
| 35°   | 341.2  | 358.1  | 396.5  | 485.4  | 937.2  | 1893.6 | 4712.4 | 8973.0  | 10097.7 | 10179.4 |
| 37.5° | 314.8  | 324.4  | 355.7  | 413.3  | 824.3  | 1807.1 | 4669.1 | 9369.5  | 10710.4 | 10823.4 |
| 40°   | 293.2  | 305.2  | 322.0  | 374.9  | 740.1  | 1711.0 | 4609.1 | 9727.6  | 11085.3 | 11364.1 |
| 42.5° | 276.4  | 286.0  | 300.4  | 358.1  | 668.1  | 1614.9 | 4525.0 | 10232.2 | 11421.8 | 11664.5 |
| 45°   | 257.1  | 271.5  | 288.4  | 348.4  | 627.2  | 1550.0 | 4462.5 | 10201.0 | 11616.4 | 11746.2 |
| 47.5° | 237.9  | 261.9  | 281.2  | 324.4  | 615.2  | 1518.7 | 4488.9 | 10083.2 | 11457.8 | 11368.9 |
| 50°   | 218.7  | 249.9  | 283.6  | 269.1  | 586.3  | 1456.3 | 4520.2 | 10244.3 | 11080.5 | 11063.7 |
| 52.5° | 201.9  | 237.9  | 264.3  | 221.1  | 521.5  | 1396.2 | 4822.9 | 10455.7 | 11347.3 | 11123.8 |
| 55°   | 177.8  | 213.9  | 211.5  | 177.8  | 422.9  | 1350.5 | 5060.8 | 10460.5 | 11167.0 | 11251.1 |
| 57.5° | 161.0  | 189.8  | 165.8  | 149.0  | 312.4  | 1129.4 | 4674.0 | 8771.2  | 9559.4  | 9708.4  |
| 60°   | 149.0  | 185.0  | 125.0  | 117.8  | 204.3  | 814.6  | 4080.4 | 6793.5  | 7598.5  | 7879.6  |
| 62.5° | 137.0  | 175.4  | 98.5   | 96.1   | 141.8  | 579.1  | 3354.7 | 5685.6  | 6548.3  | 6930.4  |
| 65°   | 120.2  | 125.0  | 79.3   | 74.5   | 100.9  | 312.4  | 2042.6 | 3914.6  | 4895.0  | 5036.8  |
| 67.5° | 98.5   | 96.1   | 64.9   | 60.1   | 67.3   | 151.4  | 901.1  | 1960.9  | 2838.0  | 3075.9  |
| 70°   | 79.3   | 79.3   | 55.3   | 48.1   | 48.1   | 69.7   | 235.5  | 781.0   | 1283.2  | 1420.2  |
| 72.5° | 57.7   | 60.1   | 43.3   | 38.4   | 36.0   | 33.6   | 38.4   | 156.2   | 336.4   | 430.1   |
| 75°   | 50.5   | 52.9   | 43.3   | 33.6   | 26.4   | 21.6   | 16.8   | 14.4    | 19.2    | 31.2    |
| 77.5° | 55.3   | 55.3   | 45.7   | 31.2   | 24.0   | 16.8   | 9.6    | 4.8     | 4.8     | 2.4     |
| 80°   | 69.7   | 72.1   | 60.1   | 40.9   | 28.8   | 19.2   | 12.0   | 4.8     | 2.4     | 2.4     |
| 82.5° | 74.5   | 81.7   | 67.3   | 50.5   | 36.0   | 21.6   | 12.0   | 2.4     | 0.0     | 0.0     |
| 85°   | 19.2   | 31.2   | 52.9   | 45.7   | 36.0   | 21.6   | 12.0   | 2.4     | 0.0     | 0.0     |
| 87.5° | 0.0    | 2.4    | 7.2    | 7.2    | 9.6    | 9.6    | 7.2    | 2.4     | 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     |

(END OF REPORT)