

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: P530211

Luminaire Tested: **GALN-SA5B-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530211  
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-SA5B-830-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 3000K, 800mA 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: 12519 lumens  
Efficiency: N/A  
Efficacy: 61.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

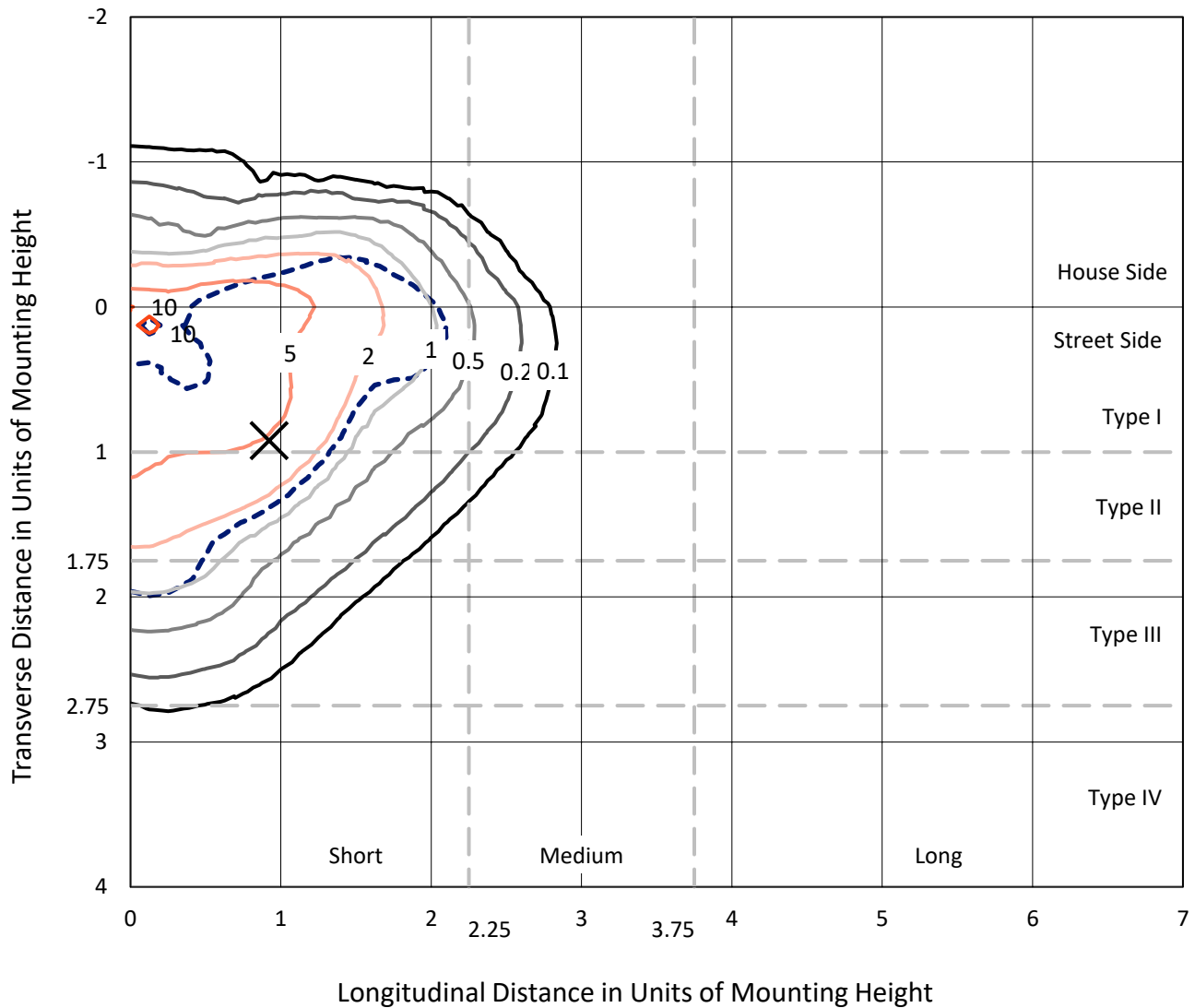
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

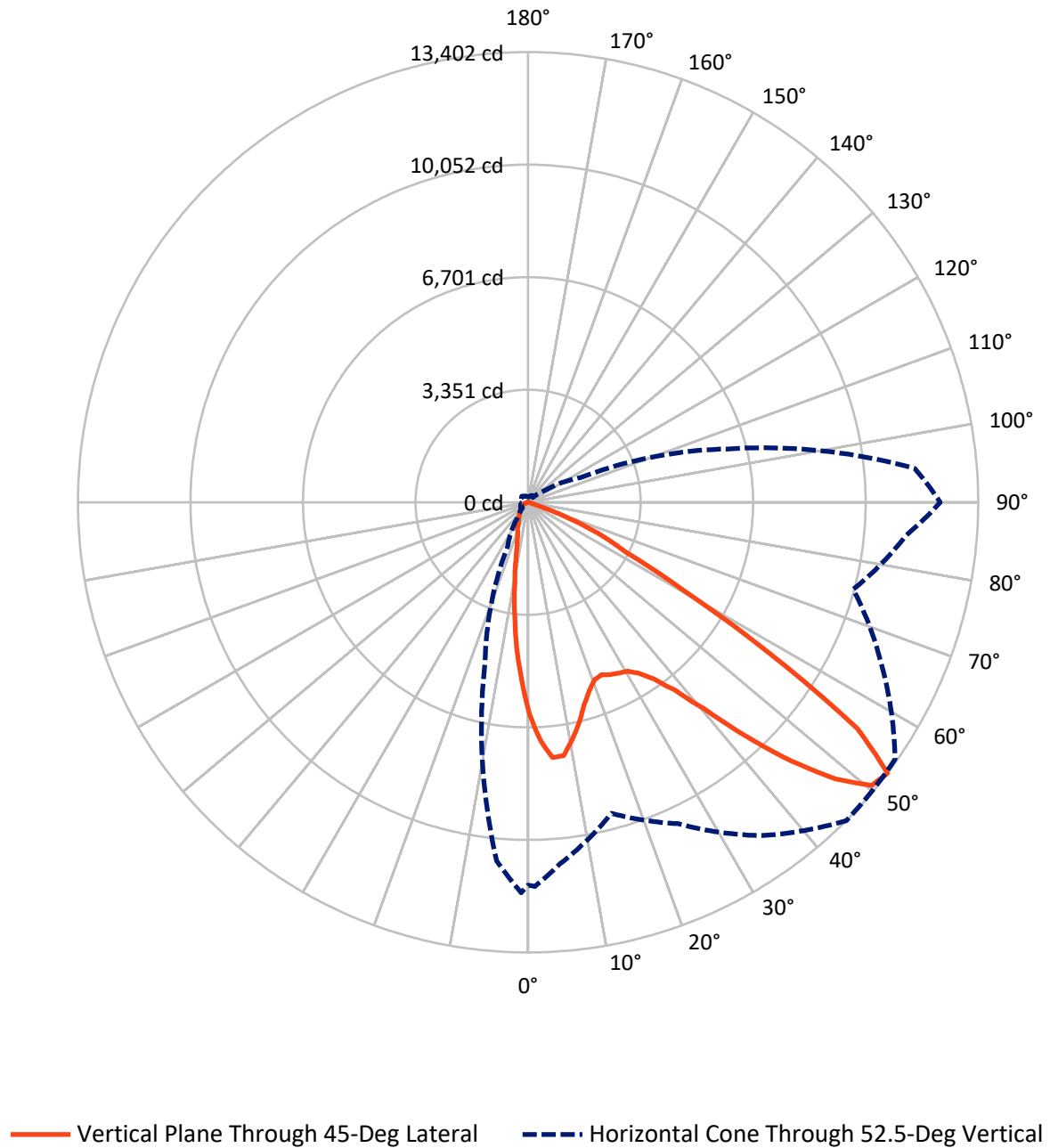
✕ Max cd  
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2540.7   | 0.0    | 2540.7  |
|                    | % Fixture | 20.3     | 0.0    | 20.3    |
| <b>Street Side</b> | Lumens    | 9978.3   | 0.0    | 9978.3  |
|                    | % Fixture | 79.7     | 0.0    | 79.7    |
| <b>Total</b>       | Lumens    | 12519.0  | 0.0    | 12519.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 462.9   | 3.7       |
| 10°-20°   | 913.3   | 7.3       |
| 20°-30°   | 1390.0  | 11.1      |
| 30°-40°   | 2077.5  | 16.6      |
| 40°-50°   | 2958.5  | 23.6      |
| 50°-60°   | 3180.3  | 25.4      |
| 60°-70°   | 1409.3  | 11.3      |
| 70°-80°   | 114.0   | 0.9       |
| 80°-90°   | 13.3    | 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°    | 12519.0 | 100.0     |
| 0°-180°   | 12519.0 | 100.0     |

**Coefficient of Utilization**



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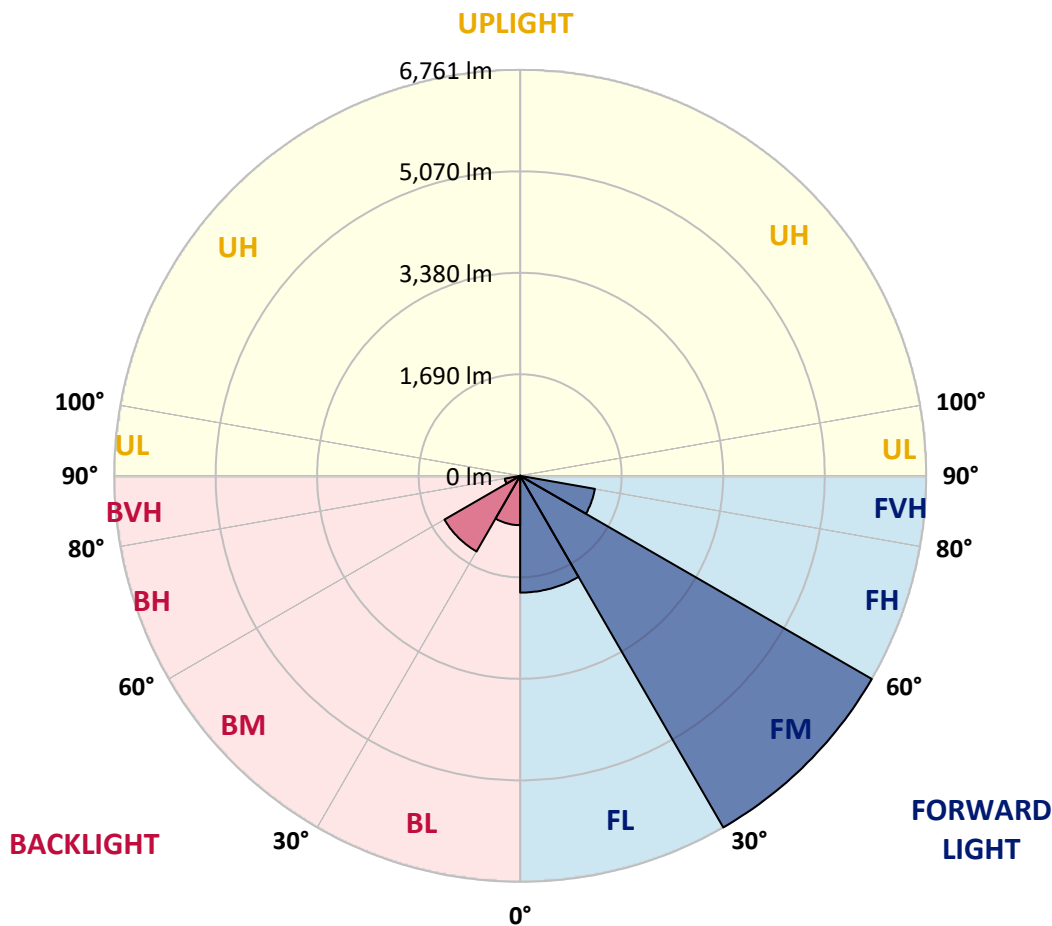
CATALOG NUMBER: GALN-SA5B-830-U-SLL-GRSBK

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1944.5 | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 6760.7 | 54.0      |                         |      |         |
| FH   | (60°-80°)   | 1263.3 | 10.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 9.8    | 0.1       |                         |      | G0/10   |
| BL   | (0°-30°)    | 821.8  | 6.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1455.6 | 11.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 260.0  | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6347.7  | 6347.7  | 6347.7  | 6347.7 | 6347.7  | 6347.7  | 6347.7  | 6347.7  | 6347.7  | 6347.7  | 6347.7  |
| 2.5°  | 6717.1  | 6736.8  | 6845.1  | 6980.5 | 7051.9  | 7214.4  | 7101.2  | 7130.7  | 7069.2  | 6852.5  | 6682.6  |
| 5°    | 6512.7  | 6510.2  | 6648.1  | 6983.0 | 7300.6  | 7623.2  | 7633.0  | 7460.7  | 7157.8  | 6825.4  | 6350.2  |
| 7.5°  | 5897.1  | 5993.1  | 6136.0  | 6670.3 | 7258.8  | 7500.1  | 7615.8  | 7413.9  | 6948.5  | 6473.3  | 5958.7  |
| 10°   | 5431.8  | 5481.0  | 5722.3  | 6367.4 | 6798.3  | 7120.9  | 7192.3  | 7076.5  | 6719.5  | 6126.1  | 5549.9  |
| 12.5° | 5163.4  | 5188.0  | 5471.1  | 6012.8 | 6468.4  | 6707.2  | 6741.7  | 6795.8  | 6539.8  | 5983.3  | 5291.4  |
| 15°   | 5165.8  | 5185.5  | 5567.2  | 6020.2 | 6200.0  | 6136.0  | 6249.2  | 6246.8  | 6357.6  | 5956.2  | 5508.1  |
| 17.5° | 5537.6  | 5559.8  | 5904.5  | 6128.6 | 6049.8  | 5899.6  | 5892.2  | 6005.5  | 6239.4  | 6293.5  | 5835.6  |
| 20°   | 6177.8  | 6229.5  | 6483.1  | 6470.8 | 6027.6  | 5724.8  | 5641.0  | 5727.2  | 6271.4  | 6579.2  | 6495.5  |
| 22.5° | 7039.6  | 7111.0  | 7288.3  | 6948.5 | 6128.6  | 5606.6  | 5579.5  | 5746.9  | 6483.1  | 7216.9  | 7244.0  |
| 25°   | 8039.3  | 8159.9  | 8246.1  | 7810.3 | 6488.1  | 5810.9  | 5682.9  | 5971.0  | 6768.8  | 7908.8  | 8196.9  |
| 27.5° | 8701.6  | 8827.2  | 8807.5  | 8184.6 | 6729.4  | 5865.1  | 5756.8  | 6025.2  | 7017.5  | 8073.8  | 8694.3  |
| 30°   | 9218.7  | 9295.0  | 9432.9  | 8386.5 | 6970.7  | 6017.8  | 5833.1  | 6254.1  | 7098.7  | 8359.4  | 9295.0  |
| 32.5° | 9822.0  | 9873.7  | 9883.5  | 8743.5 | 7342.5  | 6209.8  | 6069.5  | 6539.8  | 7458.2  | 8632.7  | 9826.9  |
| 35°   | 10430.1 | 10506.5 | 10346.4 | 9184.2 | 7571.5  | 6566.9  | 6463.4  | 7034.7  | 7746.3  | 8915.9  | 10412.9 |
| 37.5° | 11090.0 | 11129.4 | 10760.1 | 9366.4 | 7898.9  | 7148.0  | 7091.3  | 7569.0  | 8246.1  | 9428.0  | 11062.9 |
| 40°   | 11644.0 | 11681.0 | 11200.8 | 9590.5 | 8243.7  | 7960.5  | 8105.8  | 8588.4  | 8925.7  | 9760.4  | 11388.0 |
| 42.5° | 11951.8 | 12038.0 | 11348.6 | 9467.4 | 8935.6  | 8881.4  | 9526.5  | 9696.4  | 9713.6  | 9854.0  | 11678.5 |
| 45°   | 12035.5 | 11996.1 | 11104.8 | 9568.4 | 9541.3  | 10395.7 | 10981.7 | 11205.8 | 10496.6 | 10026.3 | 11752.4 |
| 47.5° | 11649.0 | 11700.7 | 10745.3 | 9479.7 | 10336.6 | 11543.1 | 12301.5 | 12717.6 | 11080.2 | 9876.1  | 11570.2 |
| 50°   | 11336.3 | 11269.8 | 10629.6 | 9415.7 | 10550.8 | 12084.8 | 13254.4 | 13347.9 | 11617.0 | 10060.8 | 11370.7 |
| 52.5° | 11397.8 | 11439.7 | 10814.3 | 9585.6 | 10555.7 | 12116.8 | 13402.1 | 13338.1 | 11634.2 | 10018.9 | 11299.3 |
| 55°   | 11528.3 | 11343.6 | 10735.5 | 9211.3 | 9849.1  | 11223.0 | 11895.2 | 11796.7 | 10737.9 | 9573.3  | 11124.5 |
| 57.5° | 9947.5  | 10233.2 | 9871.2  | 8224.0 | 8083.6  | 8455.4  | 8443.1  | 8746.0  | 8009.7  | 8238.7  | 10127.3 |
| 60°   | 8073.8  | 8123.0  | 8258.4  | 7034.7 | 5594.3  | 5466.2  | 5288.9  | 5096.9  | 5389.9  | 7044.5  | 9211.3  |
| 62.5° | 7101.2  | 7042.1  | 7524.7  | 6399.4 | 3949.5  | 3306.8  | 3277.3  | 3395.5  | 4158.8  | 6719.5  | 8640.1  |
| 65°   | 5160.9  | 5234.8  | 5584.4  | 4966.4 | 2964.6  | 2523.8  | 2479.5  | 2829.1  | 3365.9  | 5385.0  | 6593.9  |
| 67.5° | 3151.7  | 3294.5  | 3326.5  | 3063.1 | 2011.7  | 1598.0  | 1534.0  | 1851.6  | 2430.3  | 3484.1  | 3865.8  |
| 70°   | 1455.2  | 1627.6  | 1790.1  | 1671.9 | 1164.7  | 657.4   | 620.5   | 778.1   | 1226.2  | 2004.3  | 2051.1  |
| 72.5° | 440.7   | 443.2   | 620.5   | 647.6  | 376.7   | 147.7   | 130.5   | 172.4   | 416.1   | 662.3   | 696.8   |
| 75°   | 32.0    | 34.5    | 83.7    | 96.0   | 71.4    | 36.9    | 39.4    | 46.8    | 88.6    | 147.7   | 110.8   |
| 77.5° | 2.5     | 2.5     | 2.5     | 12.3   | 22.2    | 24.6    | 32.0    | 36.9    | 46.8    | 54.2    | 49.2    |
| 80°   | 2.5     | 0.0     | 2.5     | 9.8    | 17.2    | 24.6    | 29.5    | 34.5    | 36.9    | 41.9    | 36.9    |
| 82.5° | 0.0     | 0.0     | 0.0     | 7.4    | 17.2    | 24.6    | 27.1    | 36.9    | 41.9    | 49.2    | 41.9    |
| 85°   | 0.0     | 0.0     | 0.0     | 7.4    | 17.2    | 27.1    | 24.6    | 12.3    | 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     |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6347.7  | 6347.7  | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 |
| 2.5°  | 6712.1  | 6616.1  | 6397.0 | 6286.2 | 6025.2 | 5988.2 | 5732.1 | 5690.3 | 5604.1 | 5557.3 | 5444.1 |
| 5°    | 6140.9  | 6025.2  | 5668.1 | 5367.7 | 5018.1 | 4774.3 | 4587.2 | 4417.3 | 4318.8 | 4227.7 | 4269.6 |
| 7.5°  | 5675.5  | 5338.2  | 4941.8 | 4439.5 | 4035.6 | 3774.6 | 3489.0 | 3255.1 | 3117.2 | 3023.7 | 3045.8 |
| 10°   | 5188.0  | 4968.8  | 4417.3 | 3853.4 | 3365.9 | 3181.2 | 2957.2 | 2777.4 | 2582.9 | 2415.5 | 2336.7 |
| 12.5° | 5035.3  | 4710.3  | 4018.4 | 3444.7 | 3075.4 | 2895.6 | 2639.5 | 2432.7 | 2184.0 | 1979.7 | 1908.3 |
| 15°   | 5062.4  | 4749.7  | 3910.1 | 3297.0 | 2861.2 | 2550.9 | 2245.6 | 1989.5 | 1716.2 | 1573.4 | 1499.5 |
| 17.5° | 5503.2  | 4961.5  | 3981.5 | 3141.8 | 2563.2 | 2132.3 | 1755.6 | 1430.6 | 1226.2 | 1078.5 | 1046.5 |
| 20°   | 6044.9  | 5419.4  | 4134.1 | 3028.6 | 2319.5 | 1696.5 | 1282.8 | 1002.1 | 832.2  | 807.6  | 800.2  |
| 22.5° | 6837.7  | 6168.0  | 4461.6 | 2952.3 | 2021.5 | 1322.2 | 879.0  | 728.8  | 682.0  | 677.1  | 679.6  |
| 25°   | 7945.7  | 7106.1  | 4818.6 | 2888.2 | 1797.5 | 1019.4 | 719.0  | 618.0  | 603.3  | 595.9  | 608.2  |
| 27.5° | 8425.9  | 7672.4  | 5008.2 | 2750.3 | 1593.1 | 918.4  | 709.1  | 613.1  | 571.2  | 558.9  | 566.3  |
| 30°   | 9019.3  | 8049.1  | 5306.2 | 2514.0 | 1292.7 | 755.9  | 662.3  | 667.3  | 647.6  | 586.0  | 566.3  |
| 32.5° | 9807.2  | 8519.4  | 5456.4 | 2346.5 | 1154.8 | 625.4  | 485.1  | 445.7  | 497.4  | 507.2  | 524.5  |
| 35°   | 10312.0 | 8997.1  | 5532.7 | 2248.0 | 1083.4 | 534.3  | 411.2  | 374.3  | 362.0  | 364.4  | 374.3  |
| 37.5° | 11250.1 | 9642.2  | 5628.7 | 2144.6 | 1029.2 | 465.4  | 371.8  | 337.3  | 320.1  | 320.1  | 329.9  |
| 40°   | 11811.5 | 10154.4 | 5759.2 | 2088.0 | 975.1  | 423.5  | 337.3  | 307.8  | 293.0  | 293.0  | 297.9  |
| 42.5° | 11951.8 | 10408.0 | 5714.9 | 2068.3 | 913.5  | 413.7  | 307.8  | 285.6  | 268.4  | 265.9  | 263.5  |
| 45°   | 12203.0 | 10794.6 | 5722.3 | 2046.1 | 849.5  | 376.7  | 290.5  | 265.9  | 241.3  | 238.8  | 236.4  |
| 47.5° | 12478.8 | 11072.8 | 5737.1 | 1960.0 | 787.9  | 315.2  | 302.9  | 246.2  | 216.7  | 211.8  | 211.8  |
| 50°   | 12242.4 | 11294.4 | 5865.1 | 1873.8 | 709.1  | 256.1  | 297.9  | 231.5  | 192.1  | 184.7  | 187.1  |
| 52.5° | 12271.9 | 11555.4 | 6136.0 | 1753.1 | 610.6  | 204.4  | 241.3  | 219.1  | 174.8  | 162.5  | 165.0  |
| 55°   | 11799.2 | 11279.6 | 6172.9 | 1625.1 | 477.7  | 157.6  | 184.7  | 192.1  | 147.7  | 142.8  | 142.8  |
| 57.5° | 10156.8 | 9551.1  | 5446.5 | 1317.3 | 315.2  | 130.5  | 133.0  | 167.4  | 128.0  | 123.1  | 125.6  |
| 60°   | 8691.8  | 7667.5  | 4382.8 | 869.2  | 197.0  | 103.4  | 96.0   | 169.9  | 113.3  | 110.8  | 118.2  |
| 62.5° | 7923.6  | 6300.9  | 3324.1 | 539.2  | 135.4  | 78.8   | 66.5   | 137.9  | 98.5   | 98.5   | 108.3  |
| 65°   | 5724.8  | 4232.6  | 1932.9 | 283.2  | 96.0   | 61.6   | 49.2   | 78.8   | 81.3   | 83.7   | 88.6   |
| 67.5° | 3545.7  | 2137.2  | 815.0  | 137.9  | 64.0   | 41.9   | 32.0   | 49.2   | 54.2   | 54.2   | 59.1   |
| 70°   | 1750.7  | 851.9   | 270.8  | 78.8   | 49.2   | 34.5   | 22.2   | 27.1   | 27.1   | 24.6   | 27.1   |
| 72.5° | 541.7   | 256.1   | 68.9   | 49.2   | 34.5   | 22.2   | 12.3   | 9.8    | 4.9    | 0.0    | 2.5    |
| 75°   | 61.6    | 49.2    | 44.3   | 34.5   | 22.2   | 9.8    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 36.9    | 41.9    | 41.9   | 34.5   | 22.2   | 7.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 29.5    | 32.0    | 34.5   | 32.0   | 19.7   | 9.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 36.9    | 41.9    | 46.8   | 41.9   | 27.1   | 12.3   | 4.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 7.4    | 2.5    | 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    |

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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 |
| 2.5°  | 5397.3 | 5343.1 | 5419.4 | 5306.2 | 5303.7 | 5306.2 | 5274.2 | 5244.6 | 5291.4 | 5417.0 | 5429.3 |
| 5°    | 4119.4 | 4235.1 | 4272.0 | 4392.7 | 4326.2 | 4227.7 | 4247.4 | 4180.9 | 4343.4 | 4414.8 | 4358.2 |
| 7.5°  | 2999.0 | 2991.6 | 3240.3 | 3255.1 | 3287.1 | 3289.6 | 3284.7 | 3154.2 | 3021.2 | 3050.7 | 3139.4 |
| 10°   | 2326.8 | 2201.3 | 2321.9 | 2309.6 | 2388.4 | 2366.2 | 2398.2 | 2257.9 | 2304.7 | 2304.7 | 2361.3 |
| 12.5° | 1895.9 | 1763.0 | 1740.8 | 1708.8 | 1740.8 | 1753.1 | 1765.4 | 1738.4 | 1817.2 | 1854.1 | 1893.5 |
| 15°   | 1447.8 | 1373.9 | 1354.2 | 1292.7 | 1302.5 | 1337.0 | 1366.6 | 1378.9 | 1354.2 | 1410.9 | 1415.8 |
| 17.5° | 1051.4 | 1048.9 | 1061.2 | 1058.8 | 1048.9 | 1041.5 | 1039.1 | 1007.1 | 997.2  | 1002.1 | 1021.8 |
| 20°   | 797.8  | 817.5  | 859.3  | 901.2  | 923.3  | 896.3  | 859.3  | 805.2  | 783.0  | 787.9  | 790.4  |
| 22.5° | 682.0  | 711.6  | 768.2  | 815.0  | 837.2  | 787.9  | 721.4  | 674.7  | 664.8  | 662.3  | 659.9  |
| 25°   | 618.0  | 652.5  | 694.4  | 709.1  | 706.7  | 677.1  | 627.9  | 608.2  | 603.3  | 598.3  | 576.2  |
| 27.5° | 583.6  | 595.9  | 603.3  | 620.5  | 627.9  | 608.2  | 595.9  | 566.3  | 561.4  | 561.4  | 546.6  |
| 30°   | 563.9  | 556.5  | 566.3  | 554.0  | 563.9  | 549.1  | 551.5  | 551.5  | 539.2  | 544.2  | 544.2  |
| 32.5° | 524.5  | 526.9  | 526.9  | 502.3  | 509.7  | 492.5  | 509.7  | 524.5  | 526.9  | 529.4  | 549.1  |
| 35°   | 384.1  | 428.4  | 450.6  | 450.6  | 458.0  | 445.7  | 443.2  | 426.0  | 403.8  | 381.7  | 371.8  |
| 37.5° | 337.3  | 354.6  | 384.1  | 401.3  | 413.7  | 403.8  | 381.7  | 354.6  | 342.3  | 332.4  | 322.6  |
| 40°   | 300.4  | 315.2  | 334.9  | 354.6  | 379.2  | 366.9  | 332.4  | 320.1  | 305.3  | 305.3  | 295.5  |
| 42.5° | 270.8  | 278.2  | 290.5  | 320.1  | 347.2  | 322.6  | 297.9  | 288.1  | 280.7  | 278.2  | 275.8  |
| 45°   | 243.8  | 246.2  | 258.5  | 283.2  | 315.2  | 290.5  | 265.9  | 253.6  | 256.1  | 258.5  | 256.1  |
| 47.5° | 219.1  | 224.1  | 231.5  | 261.0  | 280.7  | 268.4  | 241.3  | 233.9  | 233.9  | 233.9  | 236.4  |
| 50°   | 189.6  | 201.9  | 216.7  | 241.3  | 256.1  | 248.7  | 226.5  | 216.7  | 211.8  | 211.8  | 214.2  |
| 52.5° | 169.9  | 179.7  | 199.4  | 229.0  | 248.7  | 236.4  | 214.2  | 199.4  | 189.6  | 187.1  | 192.1  |
| 55°   | 147.7  | 165.0  | 197.0  | 219.1  | 246.2  | 233.9  | 209.3  | 192.1  | 174.8  | 172.4  | 172.4  |
| 57.5° | 133.0  | 160.0  | 189.6  | 216.7  | 238.8  | 229.0  | 209.3  | 187.1  | 165.0  | 162.5  | 162.5  |
| 60°   | 125.6  | 155.1  | 184.7  | 209.3  | 238.8  | 224.1  | 206.8  | 182.2  | 157.6  | 157.6  | 155.1  |
| 62.5° | 118.2  | 145.3  | 174.8  | 199.4  | 229.0  | 216.7  | 199.4  | 174.8  | 150.2  | 150.2  | 145.3  |
| 65°   | 98.5   | 125.6  | 145.3  | 167.4  | 199.4  | 187.1  | 169.9  | 152.7  | 133.0  | 128.0  | 130.5  |
| 67.5° | 68.9   | 86.2   | 105.9  | 128.0  | 147.7  | 142.8  | 135.4  | 123.1  | 105.9  | 103.4  | 101.0  |
| 70°   | 34.5   | 46.8   | 64.0   | 86.2   | 103.4  | 98.5   | 93.6   | 83.7   | 73.9   | 71.4   | 71.4   |
| 72.5° | 4.9    | 14.8   | 27.1   | 39.4   | 54.2   | 56.6   | 54.2   | 51.7   | 49.2   | 46.8   | 49.2   |
| 75°   | 0.0    | 0.0    | 0.0    | 9.8    | 22.2   | 27.1   | 32.0   | 36.9   | 36.9   | 32.0   | 39.4   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 2.5    | 12.3   | 24.6   | 32.0   | 39.4   | 34.5   | 46.8   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 2.5    | 14.8   | 24.6   | 34.5   | 39.4   | 34.5   | 49.2   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 2.5    | 17.2   | 24.6   | 32.0   | 36.9   | 34.5   | 44.3   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 7.4    | 14.8   | 9.8    | 4.9    | 2.5    | 2.5    | 7.4    |
| 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: P530211

CATALOG NUMBER: GALN-SA5B-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7 | 6347.7  | 6347.7  | 6347.7  |
| 2.5°  | 5498.2 | 5673.1 | 5860.2 | 5931.6 | 6153.2 | 6320.6 | 6433.9 | 6677.7  | 6714.6  | 6717.1  |
| 5°    | 4417.3 | 4505.9 | 4826.0 | 4976.2 | 5306.2 | 5562.3 | 5835.6 | 6229.5  | 6493.0  | 6512.7  |
| 7.5°  | 3139.4 | 3385.6 | 3521.0 | 3912.5 | 4318.8 | 4720.2 | 5126.4 | 5584.4  | 5889.7  | 5897.1  |
| 10°   | 2526.3 | 2686.3 | 2927.6 | 3220.6 | 3562.9 | 3971.6 | 4513.3 | 5045.2  | 5355.4  | 5431.8  |
| 12.5° | 2033.8 | 2314.5 | 2590.3 | 2893.2 | 3154.2 | 3461.9 | 4045.5 | 4754.6  | 5010.7  | 5163.4  |
| 15°   | 1566.0 | 1822.1 | 2147.1 | 2501.7 | 2797.1 | 3208.3 | 3873.1 | 4683.2  | 5114.1  | 5165.8  |
| 17.5° | 1154.8 | 1383.8 | 1684.2 | 2019.1 | 2462.3 | 3045.8 | 3902.7 | 5045.2  | 5451.5  | 5537.6  |
| 20°   | 829.8  | 962.7  | 1199.1 | 1588.2 | 2152.0 | 2856.2 | 3932.2 | 5412.1  | 6030.1  | 6177.8  |
| 22.5° | 657.4  | 711.6  | 866.7  | 1211.4 | 1804.8 | 2656.8 | 4141.5 | 6113.8  | 6825.4  | 7039.6  |
| 25°   | 571.2  | 600.8  | 674.7  | 955.4  | 1585.7 | 2637.1 | 4476.4 | 6955.9  | 7884.2  | 8039.3  |
| 27.5° | 551.5  | 556.5  | 620.5  | 876.6  | 1467.5 | 2506.6 | 4604.4 | 7554.2  | 8544.1  | 8701.6  |
| 30°   | 581.1  | 659.9  | 664.8  | 741.1  | 1248.4 | 2248.0 | 4670.9 | 8132.9  | 9103.0  | 9218.7  |
| 32.5° | 502.3  | 477.7  | 494.9  | 573.7  | 1098.2 | 2097.8 | 4796.5 | 8637.6  | 9740.7  | 9822.0  |
| 35°   | 349.6  | 366.9  | 406.3  | 497.4  | 960.3  | 1940.3 | 4828.5 | 9194.1  | 10346.4 | 10430.1 |
| 37.5° | 322.6  | 332.4  | 364.4  | 423.5  | 844.6  | 1851.6 | 4784.2 | 9600.4  | 10974.3 | 11090.0 |
| 40°   | 300.4  | 312.7  | 329.9  | 384.1  | 758.4  | 1753.1 | 4722.6 | 9967.2  | 11358.4 | 11644.0 |
| 42.5° | 283.2  | 293.0  | 307.8  | 366.9  | 684.5  | 1654.6 | 4636.4 | 10484.3 | 11703.1 | 11951.8 |
| 45°   | 263.5  | 278.2  | 295.5  | 357.0  | 642.7  | 1588.2 | 4572.4 | 10452.3 | 11902.6 | 12035.5 |
| 47.5° | 243.8  | 268.4  | 288.1  | 332.4  | 630.3  | 1556.2 | 4599.5 | 10331.7 | 11740.1 | 11649.0 |
| 50°   | 224.1  | 256.1  | 290.5  | 275.8  | 600.8  | 1492.1 | 4631.5 | 10496.6 | 11353.5 | 11336.3 |
| 52.5° | 206.8  | 243.8  | 270.8  | 226.5  | 534.3  | 1430.6 | 4941.8 | 10713.3 | 11626.8 | 11397.8 |
| 55°   | 182.2  | 219.1  | 216.7  | 182.2  | 433.4  | 1383.8 | 5185.5 | 10718.2 | 11442.1 | 11528.3 |
| 57.5° | 165.0  | 194.5  | 169.9  | 152.7  | 320.1  | 1157.3 | 4789.1 | 8987.3  | 9794.9  | 9947.5  |
| 60°   | 152.7  | 189.6  | 128.0  | 120.7  | 209.3  | 834.7  | 4180.9 | 6960.8  | 7785.7  | 8073.8  |
| 62.5° | 140.3  | 179.7  | 101.0  | 98.5   | 145.3  | 593.4  | 3437.3 | 5825.7  | 6709.7  | 7101.2  |
| 65°   | 123.1  | 128.0  | 81.3   | 76.3   | 103.4  | 320.1  | 2092.9 | 4011.0  | 5015.6  | 5160.9  |
| 67.5° | 101.0  | 98.5   | 66.5   | 61.6   | 68.9   | 155.1  | 923.3  | 2009.2  | 2907.9  | 3151.7  |
| 70°   | 81.3   | 81.3   | 56.6   | 49.2   | 49.2   | 71.4   | 241.3  | 800.2   | 1314.8  | 1455.2  |
| 72.5° | 59.1   | 61.6   | 44.3   | 39.4   | 36.9   | 34.5   | 39.4   | 160.0   | 344.7   | 440.7   |
| 75°   | 51.7   | 54.2   | 44.3   | 34.5   | 27.1   | 22.2   | 17.2   | 14.8    | 19.7    | 32.0    |
| 77.5° | 56.6   | 56.6   | 46.8   | 32.0   | 24.6   | 17.2   | 9.8    | 4.9     | 4.9     | 2.5     |
| 80°   | 71.4   | 73.9   | 61.6   | 41.9   | 29.5   | 19.7   | 12.3   | 4.9     | 2.5     | 2.5     |
| 82.5° | 76.3   | 83.7   | 68.9   | 51.7   | 36.9   | 22.2   | 12.3   | 2.5     | 0.0     | 0.0     |
| 85°   | 19.7   | 32.0   | 54.2   | 46.8   | 36.9   | 22.2   | 12.3   | 2.5     | 0.0     | 0.0     |
| 87.5° | 0.0    | 2.5    | 7.4    | 7.4    | 9.8    | 9.8    | 7.4    | 2.5     | 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)