

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: P648109

Luminaire Tested: **GALN-SA8A-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8A-835-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21534.1 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

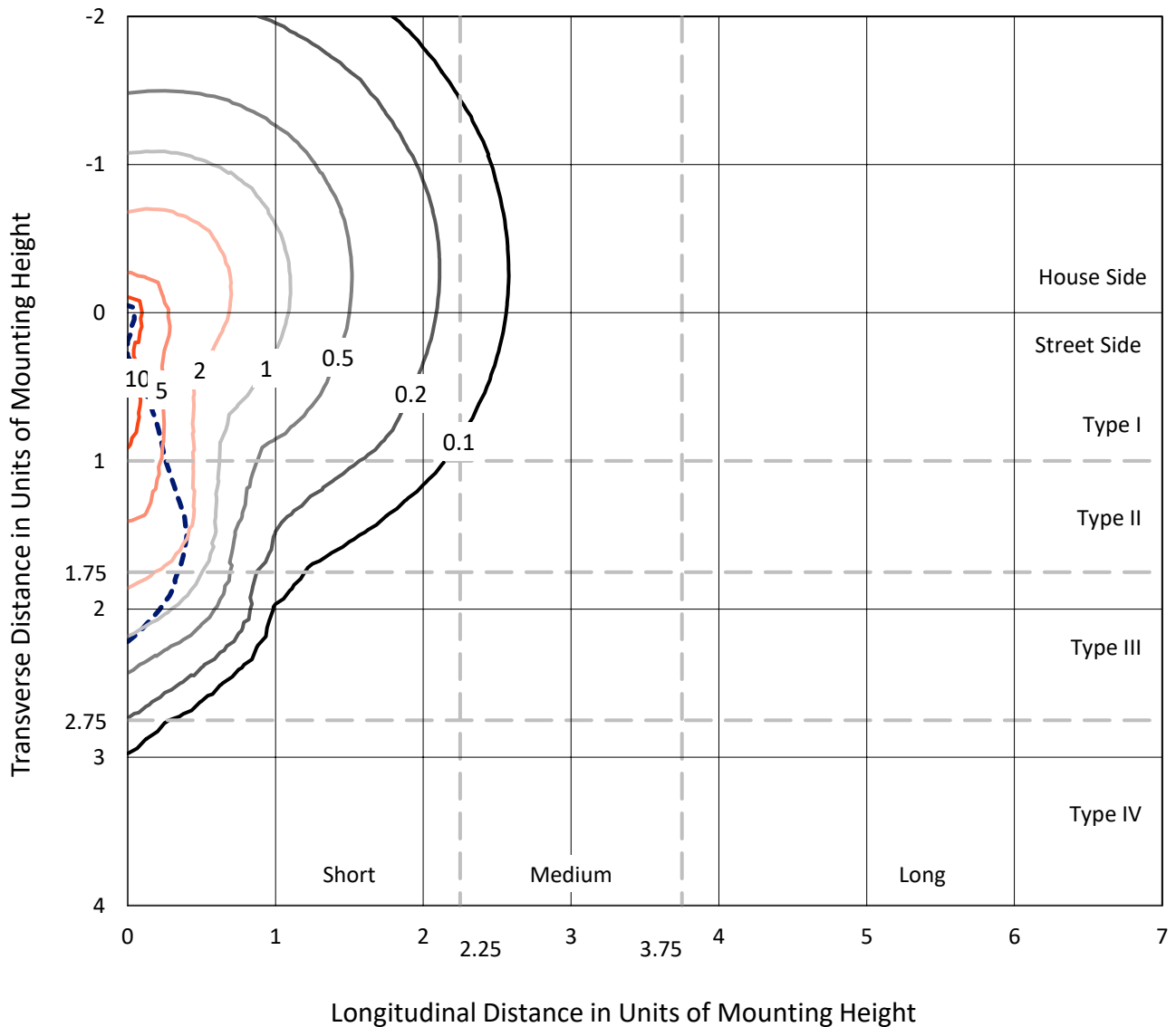
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P648109  
 CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

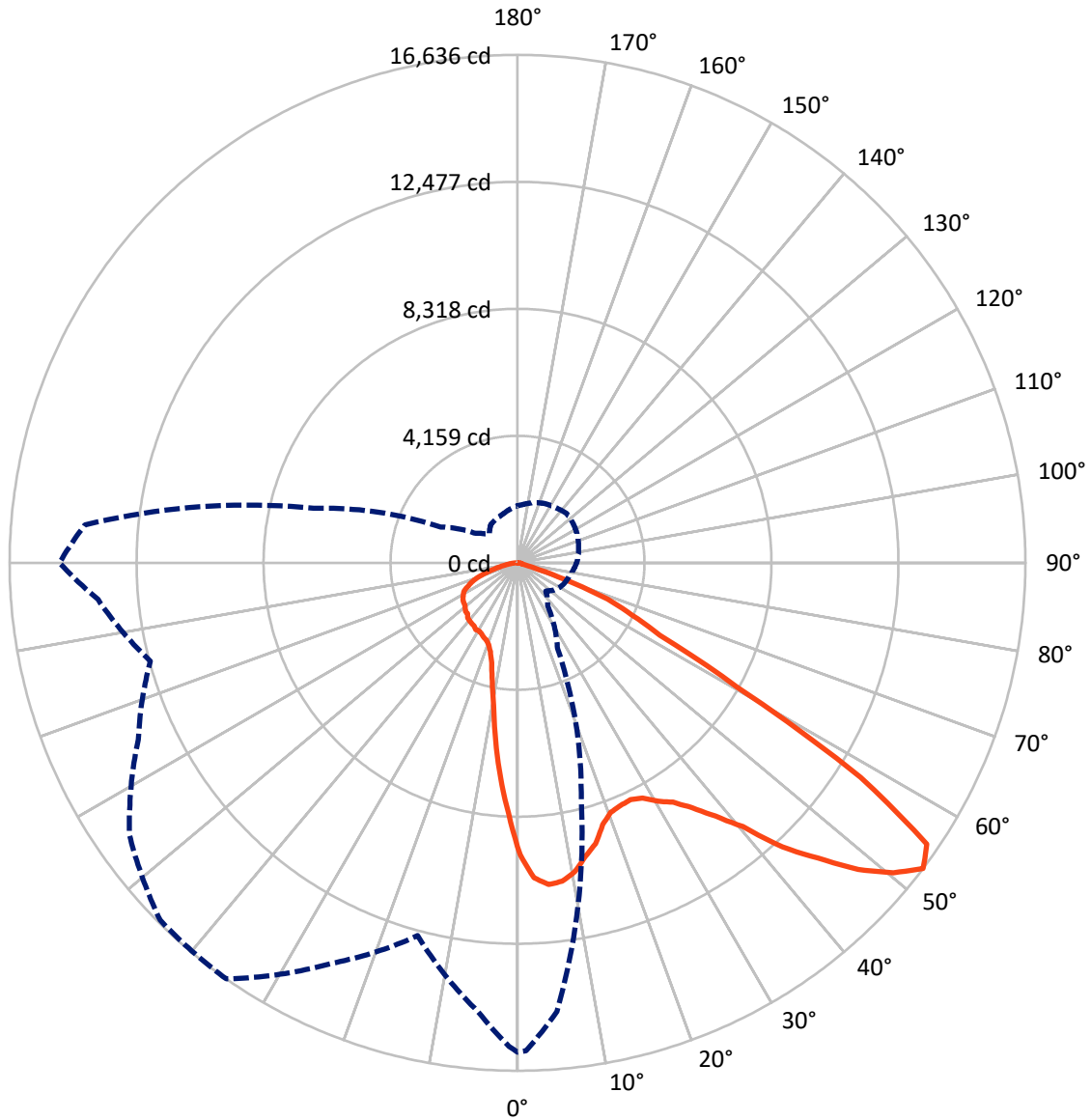
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P648109  
CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P648109  
 CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

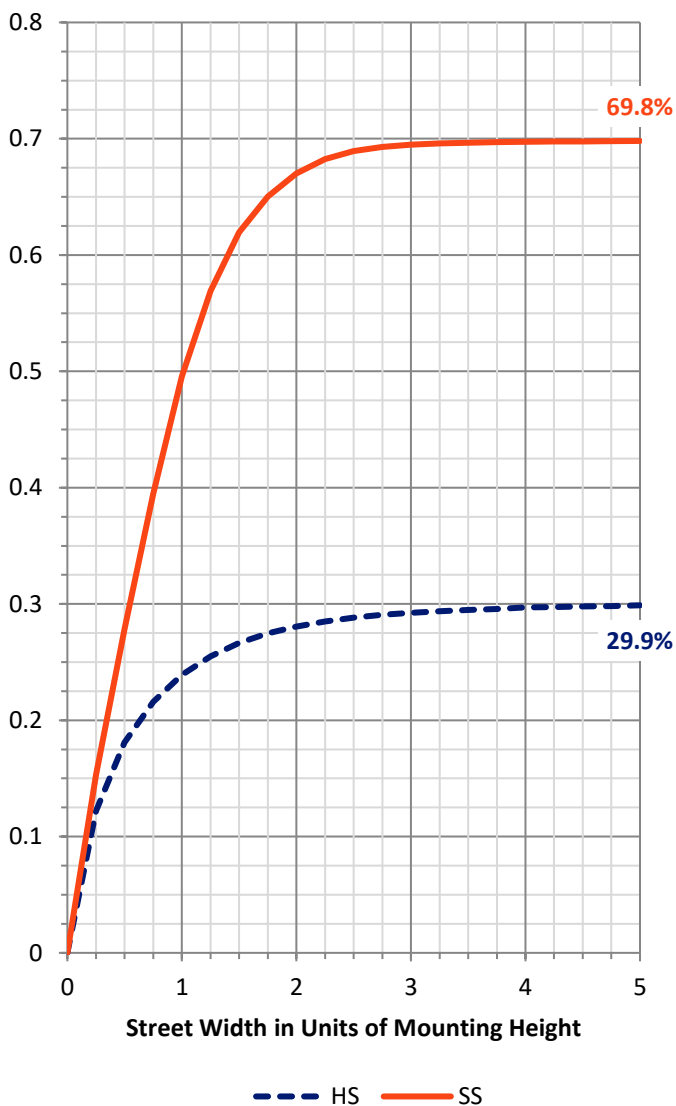
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6491.6	0.0	6491.6
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	15042.4	0.0	15042.4
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	21534.1	0.0	21534.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	729.1	3.4
10°-20°	1580.6	7.3
20°-30°	2388.2	11.1
30°-40°	3451.0	16.0
40°-50°	4592.7	21.3
50°-60°	5137.0	23.9
60°-70°	2895.2	13.4
70°-80°	645.4	3.0
80°-90°	114.9	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°	21534.1	100.0
0°-180°	21534.1	100.0

**Coefficient of Utilization**

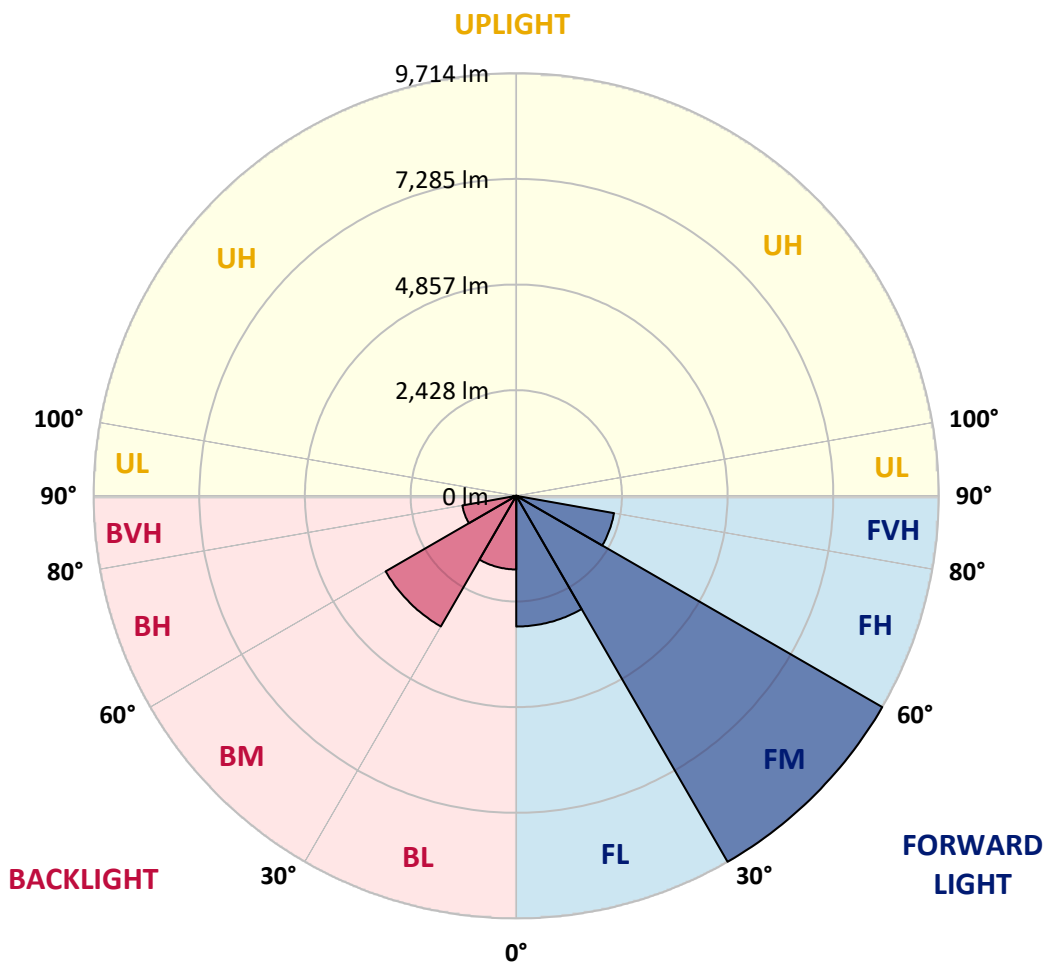


REPORT NUMBER: P648109  
 CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3005.0	14.0			
FM (30°-60°)	9713.5	45.1			
FH (60°-80°)	2282.3	10.6			G2/5000
FVH (80°-90°)	41.6	0.2			G1/100
BL (0°-30°)	1692.9	7.9	B3/2500		
BM (30°-60°)	3467.2	16.1	B3/5000		
BH (60°-80°)	1258.3	5.8	B3/2500		G3/2500
BVH (80°-90°)	73.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type III Short





REPORT NUMBER: P648109

CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0
2.5°	9716.1	9872.2	9703.6	9404.0	9191.8	8998.2	8795.4	8754.8	8489.5	8442.7	8249.2
5°	9163.7	9129.4	8923.4	8530.1	8096.2	7703.0	7412.7	7131.8	6941.5	6719.9	6704.2
7.5°	8492.7	8292.9	8174.3	7578.1	7041.3	6423.3	6158.1	5730.5	5596.2	5396.4	5293.5
10°	7893.3	7746.7	7468.9	6872.8	6123.7	5714.8	5430.8	5199.8	5043.8	4837.8	4578.7
12.5°	7596.9	7537.5	7225.4	6301.6	5746.0	5309.1	5109.3	4884.6	4619.3	4288.5	4160.5
15°	7649.9	7450.2	7213.0	6192.4	5424.5	5003.2	4684.8	4403.9	4063.8	3748.5	3564.4
17.5°	8046.3	7893.3	7419.0	6261.0	5302.8	4694.2	4116.8	3701.7	3395.8	3111.8	2983.8
20°	8826.6	8605.0	8071.3	6348.4	5040.6	4263.5	3601.8	3090.0	2762.2	2612.4	2568.7
22.5°	9691.2	9560.0	8708.0	6545.0	4831.5	3863.9	3055.6	2543.7	2422.0	2381.4	2462.6
25°	10743.0	10402.8	9697.4	6866.5	4669.3	3523.8	2593.7	2309.6	2247.2	2287.8	2381.4
27.5°	11542.0	11451.5	10390.3	7169.3	4447.6	3114.9	2334.6	2147.4	2166.1	2206.7	2294.0
30°	12490.8	12032.0	11061.4	7378.4	4247.9	2834.0	2153.6	2103.7	2122.4	2191.1	2234.8
32.5°	13062.0	12890.4	11482.7	7693.6	4016.9	2590.6	2013.2	1966.3	1994.4	2097.4	2200.4
35°	13789.3	13449.0	12003.9	7774.8	3854.6	2493.8	1913.3	1879.0	1944.5	2016.2	2131.7
37.5°	14638.2	14404.1	12724.9	7718.6	3767.2	2393.9	1829.0	1813.3	1860.2	1960.1	2094.3
40°	15140.7	15068.9	13102.6	7753.0	3629.9	2306.6	1732.2	1750.9	1847.7	1925.7	2056.9
42.5°	15624.5	15156.3	13661.2	7740.4	3542.5	2187.9	1741.6	1719.8	1794.6	1885.2	2010.0
45°	15730.5	15265.5	13792.3	7653.0	3436.4	2072.4	1669.8	1679.1	1769.7	1882.0	1963.2
47.5°	15661.9	15318.6	14035.8	7628.1	3336.5	1991.3	1563.7	1676.1	1729.1	1819.6	1935.1
50°	15615.1	15596.3	14241.8	7746.7	3202.3	1863.3	1435.7	1635.5	1688.5	1779.1	1903.9
52.5°	16027.1	15986.5	14756.8	8058.8	3096.1	1726.0	1304.6	1532.5	1660.4	1747.8	1869.6
55°	16276.8	16098.9	15640.0	8442.7	2918.2	1544.9	1214.1	1404.5	1591.8	1669.8	1794.6
57.5°	14641.3	14519.6	14148.2	7880.9	2618.7	1307.8	1101.8	1273.4	1498.1	1619.9	1747.8
60°	12181.8	11991.4	11039.5	6698.0	1932.0	1017.5	1033.1	1170.4	1473.2	1520.0	1669.8
62.5°	11485.8	11014.5	9719.2	5390.3	1482.5	873.9	927.0	1076.8	1342.1	1420.1	1569.9
65°	9113.7	8764.2	6953.9	3892.1	992.5	758.4	845.8	970.7	1158.0	1310.9	1448.2
67.5°	5705.5	5371.5	3711.0	1841.5	692.9	649.2	755.3	886.4	1039.4	1176.7	1329.6
70°	2980.7	2615.5	1713.5	664.8	477.6	530.6	630.5	755.3	905.1	1017.5	1136.1
72.5°	1111.2	902.0	558.7	287.1	330.8	405.8	511.8	602.4	708.5	845.8	911.4
75°	171.6	146.7	143.6	174.8	224.7	293.4	365.2	455.7	549.4	636.7	680.4
77.5°	81.1	78.1	87.4	115.5	149.8	209.1	265.3	352.7	427.6	483.8	508.7
80°	53.1	50.0	56.2	78.1	112.4	156.1	212.3	271.5	340.2	387.0	380.8
82.5°	31.2	34.3	34.3	53.1	78.1	112.4	152.9	206.0	252.8	293.4	268.4
85°	18.7	15.6	15.6	31.2	53.1	90.5	127.9	87.4	90.5	90.5	103.0
87.5°	6.3	6.3	6.3	3.1	6.3	6.3	9.4	15.6	18.7	21.8	28.1
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: P648109

CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0
2.5°	8243.0	8339.7	8305.4	8183.7	8277.2	8292.9	8230.4	8445.8	8486.4	8420.9	8439.6
5°	6682.4	6707.3	6763.6	6882.1	6966.4	7066.3	7066.3	7072.5	6988.3	7200.5	7138.1
7.5°	5206.1	5221.7	5287.2	5540.0	5611.8	5802.2	5883.4	5827.2	5658.7	5586.9	5646.1
10°	4494.4	4403.9	4382.1	4413.3	4575.6	4656.7	4725.4	4706.7	4678.6	4622.4	4560.0
12.5°	4020.0	3954.5	3901.5	3826.5	3835.9	3913.9	3967.0	3923.3	3935.7	3948.3	3967.0
15°	3505.0	3458.2	3430.2	3317.8	3305.3	3358.4	3377.1	3402.1	3448.9	3452.0	3430.2
17.5°	2958.9	2918.2	2980.7	3043.1	2999.4	3002.6	3036.9	3058.7	3046.3	2990.0	2961.9
20°	2584.3	2628.0	2690.5	2749.7	2796.6	2824.7	2837.1	2802.8	2762.2	2646.7	2643.6
22.5°	2475.1	2531.3	2584.3	2674.8	2718.5	2790.3	2724.8	2646.7	2590.6	2534.3	2468.8
25°	2393.9	2440.8	2546.9	2581.2	2665.5	2724.8	2677.9	2600.0	2503.2	2422.0	2372.1
27.5°	2334.6	2387.7	2456.3	2550.0	2615.5	2649.8	2603.0	2571.8	2471.9	2375.2	2303.4
30°	2297.2	2353.3	2478.2	2556.2	2612.4	2640.5	2559.3	2521.9	2450.1	2369.0	2306.6
32.5°	2272.2	2322.1	2428.2	2528.2	2565.6	2565.6	2578.1	2534.3	2434.5	2297.2	2244.1
35°	2191.1	2259.7	2347.1	2462.6	2531.3	2571.8	2509.4	2459.5	2393.9	2253.5	2156.7
37.5°	2144.2	2191.1	2303.4	2412.7	2471.9	2515.6	2490.6	2403.3	2315.9	2200.4	2122.4
40°	2094.3	2169.2	2269.1	2372.1	2437.6	2481.3	2462.6	2359.6	2253.5	2144.2	2091.2
42.5°	2060.0	2109.9	2212.9	2328.4	2406.4	2490.6	2434.5	2306.6	2231.6	2081.8	2022.5
45°	2031.9	2113.0	2222.2	2269.1	2350.3	2437.6	2337.7	2259.7	2172.4	2063.0	2013.2
47.5°	1997.5	2072.4	2144.2	2269.1	2306.6	2347.1	2328.4	2203.5	2128.6	2010.0	1975.7
50°	1985.1	2013.2	2144.2	2212.9	2265.9	2306.6	2256.6	2163.0	2091.2	1969.5	1894.5
52.5°	1935.1	1988.2	2072.4	2163.0	2228.5	2278.5	2197.3	2138.0	2041.2	1913.3	1866.4
55°	1872.7	1903.9	2053.7	2147.4	2181.7	2216.0	2184.8	2088.0	1988.2	1857.1	1810.3
57.5°	1791.5	1863.3	1985.1	2116.1	2159.8	2178.5	2128.6	2050.6	1925.7	1810.3	1735.4
60°	1707.3	1782.2	1916.4	2022.5	2066.2	2134.8	2060.0	2013.2	1869.6	1741.6	1660.4
62.5°	1623.0	1707.3	1807.2	1941.4	1978.8	2006.9	1988.2	1922.7	1807.2	1663.6	1563.7
65°	1523.1	1585.6	1710.4	1779.1	1804.0	1869.6	1804.0	1779.1	1676.1	1538.8	1454.4
67.5°	1373.3	1426.4	1535.6	1601.2	1619.9	1648.0	1644.8	1616.7	1501.2	1407.6	1332.7
70°	1201.7	1248.5	1317.2	1395.1	1404.5	1438.8	1407.6	1401.4	1326.5	1198.5	1158.0
72.5°	964.4	1008.1	1098.6	1133.0	1136.1	1148.6	1133.0	1111.2	1092.4	958.2	917.6
75°	739.7	764.7	808.4	839.6	839.6	855.2	845.8	824.0	774.1	689.7	649.2
77.5°	515.0	540.0	596.2	614.9	611.8	618.0	589.9	568.1	493.1	449.4	415.1
80°	374.5	390.2	418.2	430.7	433.9	443.2	408.9	390.2	346.5	296.5	280.9
82.5°	271.5	280.9	284.0	299.7	299.7	284.0	274.7	256.0	224.7	193.5	181.0
85°	112.4	115.5	118.6	137.3	140.5	168.6	156.1	146.7	127.9	109.2	99.9
87.5°	28.1	31.2	40.6	34.3	40.6	40.6	43.7	50.0	50.0	40.6	40.6
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: P648109

CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0
2.5°	8511.4	8536.3	8854.7	8895.3	9051.3	9210.5	9532.0	9762.9	9950.2	10072.0	10106.3
5°	7203.6	7362.8	7509.4	7746.7	7962.0	8267.9	8620.6	9057.6	9606.9	9887.8	10000.2
7.5°	5639.9	5827.2	6039.4	6270.4	6585.7	7134.9	7606.2	8111.9	8814.2	9104.4	9544.5
10°	4603.7	4812.8	5093.7	5271.6	5652.4	6176.8	6726.0	7309.7	7980.8	8399.0	8907.7
12.5°	4070.0	4241.7	4500.7	4875.2	5159.3	5499.5	5908.4	6644.9	7606.2	8002.7	8352.2
15°	3480.0	3670.5	3970.1	4385.2	4725.4	5131.2	5590.0	6392.1	7415.9	8027.6	8324.1
17.5°	2993.2	3130.5	3445.7	3804.7	4194.8	4638.0	5296.6	6379.6	7615.6	8399.0	8882.8
20°	2656.1	2674.8	2846.5	3152.4	3682.9	4260.4	5115.6	6317.2	8255.4	9038.9	9650.6
22.5°	2443.8	2425.1	2428.2	2687.3	3058.7	3888.9	4831.5	6529.4	8982.7	10056.3	10468.3
25°	2337.7	2287.8	2256.6	2312.7	2649.8	3448.9	4616.2	6810.4	9766.0	10895.9	11401.6
27.5°	2281.6	2194.2	2131.7	2141.1	2387.7	3227.3	4482.0	6932.1	10543.3	12066.3	12244.2
30°	2259.7	2150.4	2060.0	2028.8	2191.1	2918.2	4194.8	7141.2	11239.3	12709.3	12862.3
32.5°	2181.7	2047.5	1960.1	1932.0	1997.5	2646.7	3988.8	7291.0	11854.2	13408.5	13355.4
35°	2091.2	1978.8	1869.6	1816.5	1863.3	2471.9	3823.4	7219.2	12578.2	13951.5	13923.5
37.5°	2081.8	1935.1	1844.6	1757.2	1754.1	2256.6	3598.7	7287.9	13040.2	14925.3	14541.4
40°	2000.6	1907.0	1788.5	1716.6	1676.1	2147.4	3380.2	7125.6	13717.5	15318.6	14940.9
42.5°	2003.8	1863.3	1760.3	1676.1	1635.5	1988.2	3230.4	7081.8	13954.6	15958.4	15128.2
45°	1953.8	1816.5	1729.1	1629.3	1607.4	1866.4	3086.8	6879.0	14372.9	15989.6	14894.1
47.5°	1903.9	1782.2	1688.5	1569.9	1520.0	1822.7	2974.5	6710.5	14154.4	15696.3	14569.5
50°	1869.6	1729.1	1641.7	1557.5	1417.0	1747.8	2827.7	6669.9	13848.5	15299.9	13967.2
52.5°	1810.3	1685.4	1594.9	1529.4	1304.6	1679.1	2771.6	6907.1	14223.0	15003.4	13792.3
55°	1754.1	1626.1	1510.6	1382.7	1211.0	1498.1	2615.5	7128.7	14769.3	15686.9	14585.1
57.5°	1694.8	1573.0	1448.2	1295.2	1120.5	1310.9	2453.2	7169.3	13745.6	14497.7	13845.4
60°	1616.7	1460.7	1367.0	1167.3	1023.8	1086.2	1944.5	6320.3	10661.8	12106.9	12128.7
62.5°	1529.4	1360.9	1279.7	1045.6	923.9	936.3	1585.6	5312.2	8648.7	10022.0	10618.1
65°	1413.9	1251.5	1154.8	967.6	852.1	811.5	1161.0	3892.1	6570.0	8130.6	8807.9
67.5°	1264.1	1111.2	989.4	842.7	761.5	696.0	792.8	2191.1	3879.6	5458.9	5664.8
70°	1104.9	973.8	845.8	724.1	633.6	586.8	580.5	970.7	1854.0	2937.0	3342.8
72.5°	870.8	777.1	674.2	583.6	524.4	455.7	415.1	402.6	627.3	1195.4	1651.1
75°	624.2	546.2	486.9	427.6	383.9	346.5	315.2	287.1	262.1	299.7	412.0
77.5°	393.3	365.2	318.4	302.8	277.8	268.4	256.0	240.3	221.6	209.1	209.1
80°	265.3	246.6	231.0	227.9	218.5	215.3	218.5	202.9	184.2	168.6	174.8
82.5°	177.9	174.8	171.6	168.6	171.6	174.8	181.0	177.9	162.3	152.9	156.1
85°	106.1	112.4	118.6	124.8	137.3	121.8	99.9	84.3	74.9	68.7	65.5
87.5°	40.6	56.2	50.0	46.8	50.0	46.8	43.7	40.6	34.3	31.2	31.2
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: P648109

CATALOG NUMBER: GALN-SA8A-835-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0	9557.0
2.5°	10334.1	10396.5	10449.6	10437.1	10327.8	10181.2	10121.8	9819.1	9756.7	9716.1
5°	10474.6	10836.6	10914.6	10867.8	10583.8	10224.9	9875.3	9432.1	9173.1	9163.7
7.5°	10215.5	10661.8	10802.3	10908.4	10530.7	9906.5	9307.3	8642.4	8480.1	8492.7
10°	9557.0	10268.6	10615.1	10724.3	10290.4	9750.5	8920.2	8246.1	7899.6	7893.3
12.5°	9191.8	9750.5	9847.2	10000.2	9872.2	9326.0	8695.5	7940.2	7603.1	7596.9
15°	8867.2	9235.5	9263.6	9478.9	9547.6	9179.3	8754.8	7949.6	7678.0	7649.9
17.5°	9151.2	8895.3	8789.2	8817.2	9020.1	9154.3	9098.1	8480.1	8202.4	8046.3
20°	9341.6	8770.4	8449.0	8480.1	8720.5	9210.5	9610.0	9247.9	8807.9	8826.6
22.5°	9850.4	8789.2	8286.6	8252.4	8633.1	9503.9	10187.5	10218.6	9794.2	9691.2
25°	10611.9	9004.5	8236.7	8227.4	8592.5	9819.1	10861.6	11367.2	10933.3	10743.0
27.5°	11223.7	9341.6	8392.7	8424.0	8720.5	10075.1	11435.9	12106.9	11776.1	11542.0
30°	11760.5	9691.2	8611.3	8467.7	9063.8	10209.3	11682.4	12949.6	12684.4	12490.8
32.5°	11982.1	10187.5	8957.7	8720.5	9347.8	10371.5	12194.3	13767.4	13539.6	13062.0
35°	12356.6	10465.2	9145.0	9126.3	9844.1	10761.7	12434.7	14307.4	14213.7	13789.3
37.5°	12656.3	10746.1	9809.7	9603.7	10524.5	11417.2	12821.7	15053.3	14837.9	14638.2
40°	12887.2	11248.6	10430.9	10702.4	11360.9	12013.3	13177.5	15100.1	15721.2	15140.7
42.5°	12675.0	11698.0	11451.5	12100.7	12724.9	12693.7	13218.1	15462.1	15927.2	15624.5
45°	12621.9	12459.6	13065.1	13655.1	13798.6	13258.6	12927.8	15062.6	15864.8	15730.5
47.5°	12493.9	13208.7	14263.7	15225.0	15006.5	13636.3	12581.3	14990.8	15902.3	15661.9
50°	12450.2	13371.0	15150.0	16086.4	15955.3	13964.0	12419.0	14529.0	15637.0	15615.1
52.5°	12447.1	13704.9	15518.4	16554.6	16635.7	14482.1	12640.7	14763.0	15842.9	16027.1
55°	12587.6	13598.8	15471.5	16295.5	16264.3	14251.1	12665.7	14919.0	16095.7	16276.8
57.5°	11872.9	12181.8	12768.6	13420.9	13252.4	11804.2	11311.1	13792.3	14772.4	14641.3
60°	10253.0	9285.4	8623.7	8592.5	8264.8	7812.2	9257.3	12309.8	12309.8	12181.8
62.5°	8979.5	6095.6	5237.3	4993.8	5227.9	5749.2	8929.6	11972.7	11632.5	11485.8
65°	7852.8	4653.6	3786.0	3717.3	4123.0	4909.6	8074.4	10199.9	9600.7	9113.7
67.5°	5053.2	3408.3	2815.3	2693.5	3183.6	3604.9	5374.6	6273.5	5895.8	5705.5
70°	3258.5	2219.1	1566.8	1470.1	1660.4	2222.2	3433.3	3658.0	3108.7	2980.7
72.5°	1541.9	958.2	549.4	452.6	508.7	848.9	1357.7	1460.7	1214.1	1111.2
75°	490.0	352.7	224.7	193.5	184.2	218.5	312.1	240.3	174.8	171.6
77.5°	218.5	209.1	177.9	149.8	131.1	109.2	90.5	74.9	78.1	81.1
80°	181.0	165.4	146.7	131.1	109.2	84.3	65.5	50.0	50.0	53.1
82.5°	159.2	143.6	127.9	109.2	93.6	68.7	50.0	34.3	31.2	31.2
85°	68.7	81.1	87.4	93.6	74.9	56.2	34.3	21.8	18.7	18.7
87.5°	28.1	25.0	21.8	18.7	15.6	15.6	12.4	9.4	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)