

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: P648604

Luminaire Tested: **GALN-SA8B-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648604
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-SA8B-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA 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: 26795.1 lumens
Efficiency: N/A
Efficacy: 82.4 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): 325
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

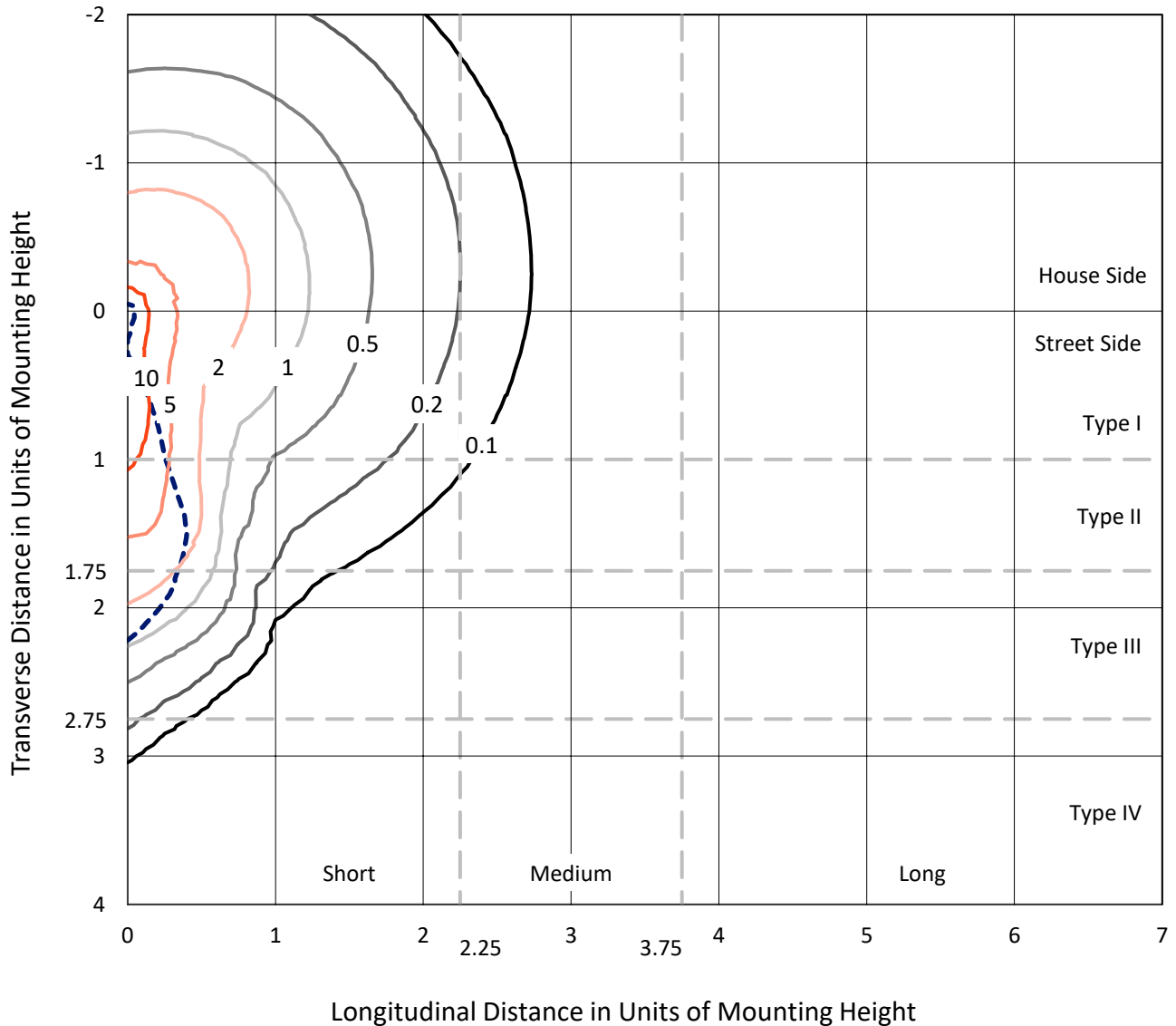




REPORT NUMBER: P648604
 CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

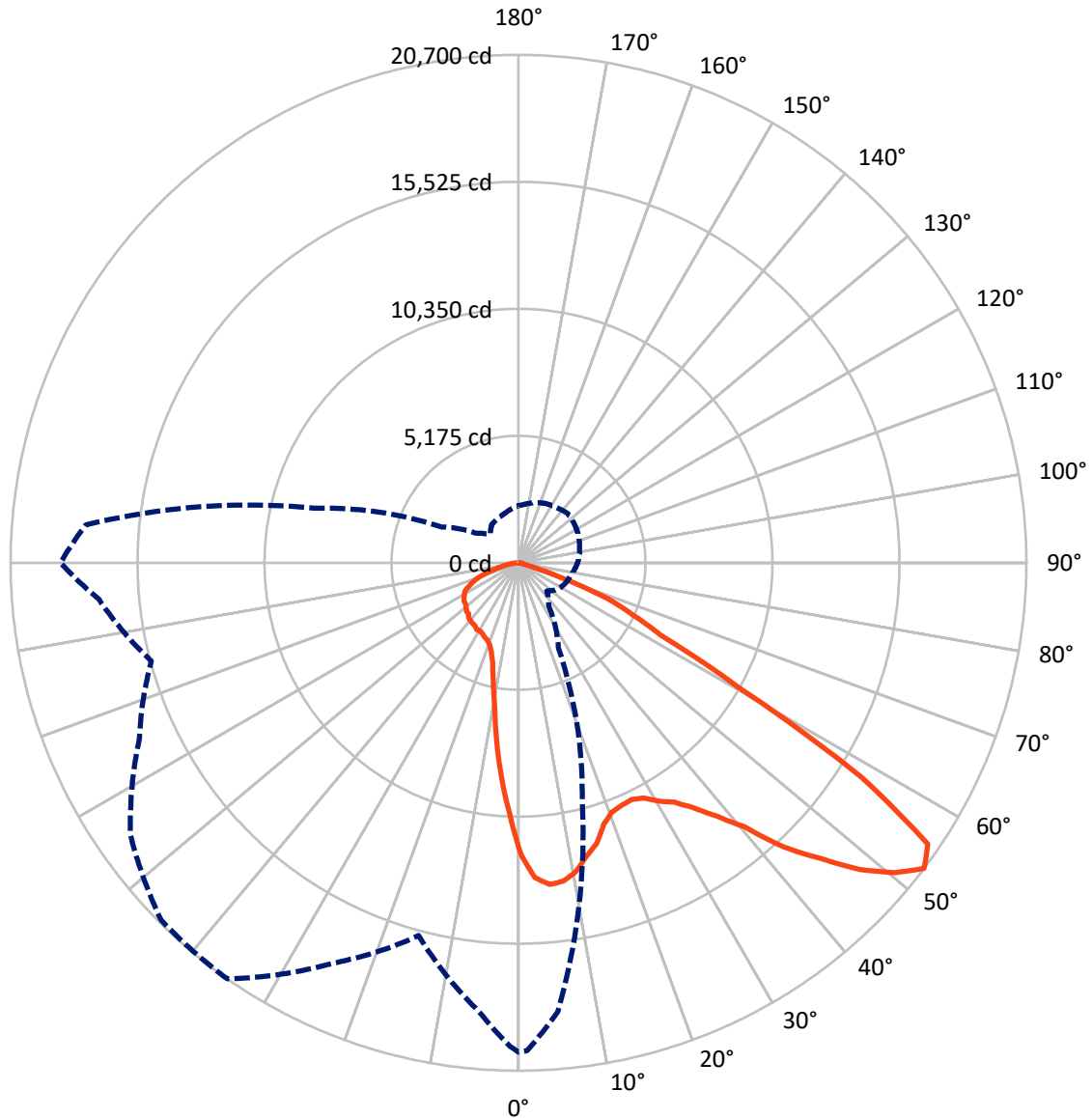
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 fc
 Type III - Short - N/A

REPORT NUMBER: P648604
CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P648604
 CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8077.6	0.0	8077.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	18717.5	0.0	18717.5
	% Fixture	69.9	0.0	69.9
Total	Lumens	26795.1	0.0	26795.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.2	3.4
10°-20°	1966.8	7.3
20°-30°	2971.6	11.1
30°-40°	4294.1	16.0
40°-50°	5714.7	21.3
50°-60°	6392.0	23.9
60°-70°	3602.5	13.4
70°-80°	803.0	3.0
80°-90°	143.0	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°	26795.1	100.0
0°-180°	26795.1	100.0

Coefficient of Utilization

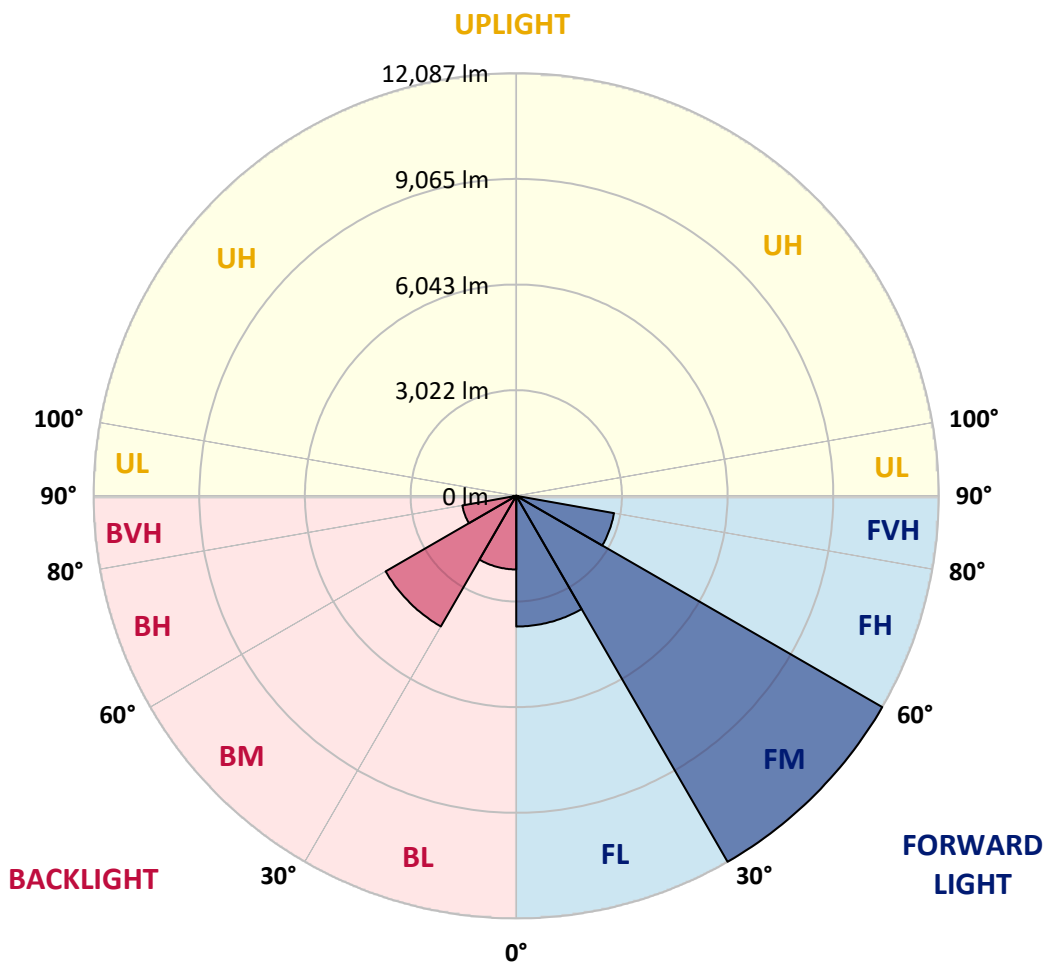


REPORT NUMBER: P648604
 CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3739.2	14.0			
FM (30°-60°)	12086.6	45.1			
FH (60°-80°)	2839.9	10.6			G2/5000
FVH (80°-90°)	51.8	0.2			G1/100
BL (0°-30°)	2106.4	7.9	B3/2500		
BM (30°-60°)	4314.2	16.1	B3/5000		
BH (60°-80°)	1565.7	5.8	B3/2500		G3/2500
BVH (80°-90°)	91.2	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: P648604

CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8
2.5°	12089.8	12284.0	12074.3	11701.5	11437.4	11196.7	10944.2	10893.7	10563.6	10505.4	10264.6
5°	11402.4	11359.8	11103.4	10614.1	10074.2	9584.9	9223.7	8874.2	8637.3	8361.6	8342.2
7.5°	10567.4	10318.9	10171.3	9429.6	8761.5	7992.6	7662.5	7130.4	6963.5	6714.9	6586.7
10°	9821.8	9639.3	9293.7	8551.8	7619.8	7111.0	6757.6	6470.2	6276.0	6019.7	5697.3
12.5°	9452.8	9379.1	8990.7	7841.1	7149.8	6606.1	6357.6	6078.0	5747.8	5336.1	5177.0
15°	9518.9	9270.3	8975.1	7705.2	6749.9	6225.6	5829.4	5479.8	5056.5	4664.3	4435.1
17.5°	10012.1	9821.8	9231.5	7790.6	6598.3	5841.0	5122.5	4606.0	4225.5	3872.0	3712.8
20°	10983.1	10707.3	10043.1	7899.4	6272.1	5305.1	4481.7	3844.8	3437.1	3250.6	3196.3
22.5°	12058.8	11895.7	10835.5	8144.1	6012.0	4808.0	3802.1	3165.2	3013.8	2963.3	3064.2
25°	13367.6	12944.2	12066.6	8544.1	5809.9	4384.6	3227.4	2873.9	2796.2	2846.8	2963.3
27.5°	14361.8	14249.2	12928.7	8920.8	5534.2	3875.9	2905.0	2672.0	2695.2	2745.7	2854.5
30°	15542.5	14971.6	13763.7	9181.0	5285.6	3526.4	2679.7	2617.6	2640.9	2726.3	2780.7
32.5°	16253.2	16039.6	14288.0	9573.3	4998.3	3223.5	2505.0	2446.7	2481.6	2609.8	2738.0
35°	17158.0	16734.7	14936.6	9674.2	4796.3	3103.0	2380.7	2338.0	2419.5	2508.9	2652.6
37.5°	18214.5	17923.2	15833.7	9604.4	4687.6	2978.8	2275.9	2256.4	2314.7	2439.0	2606.0
40°	18839.7	18750.3	16303.6	9647.0	4516.7	2870.0	2155.4	2178.8	2299.1	2396.2	2559.3
42.5°	19441.7	18859.1	16998.9	9631.5	4408.0	2722.5	2167.1	2139.9	2233.1	2345.7	2501.1
45°	19573.7	18995.0	17162.0	9522.8	4275.9	2578.7	2077.8	2089.4	2202.0	2341.9	2442.8
47.5°	19488.2	19061.0	17464.9	9491.7	4151.6	2477.8	1945.8	2085.5	2151.5	2264.2	2407.9
50°	19430.0	19406.7	17721.2	9639.3	3984.6	2318.5	1786.5	2035.0	2101.1	2213.7	2369.0
52.5°	19942.6	19892.2	18362.0	10027.6	3852.6	2147.7	1623.4	1906.9	2066.1	2174.9	2326.3
55°	20253.3	20032.0	19461.1	10505.4	3631.2	1922.4	1510.7	1747.7	1980.7	2077.8	2233.1
57.5°	18218.3	18066.9	17604.7	9806.3	3258.4	1627.2	1371.0	1584.6	1864.2	2015.6	2174.9
60°	15157.9	14921.1	13736.6	8334.3	2404.0	1266.1	1285.5	1456.4	1833.1	1891.3	2077.8
62.5°	14291.9	13705.5	12093.7	6707.1	1844.7	1087.4	1153.4	1339.9	1670.0	1767.1	1953.5
65°	11340.3	10905.4	8652.9	4842.9	1235.0	943.7	1052.5	1207.9	1440.9	1631.1	1802.0
67.5°	7099.4	6683.8	4617.7	2291.4	862.2	807.8	939.8	1102.9	1293.3	1464.1	1654.5
70°	3708.9	3254.5	2132.1	827.2	594.2	660.2	784.5	939.8	1126.3	1266.1	1413.6
72.5°	1382.6	1122.4	695.1	357.3	411.7	504.9	636.9	749.6	881.6	1052.5	1134.0
75°	213.6	182.5	178.7	217.5	279.6	365.0	454.4	567.0	683.6	792.2	846.7
77.5°	101.0	97.1	108.8	143.7	186.4	260.2	330.1	438.9	532.0	602.0	633.1
80°	66.0	62.2	69.9	97.1	139.8	194.2	264.1	337.9	423.3	481.5	473.8
82.5°	38.8	42.8	42.8	66.0	97.1	139.8	190.3	256.4	314.6	365.0	334.0
85°	23.3	19.4	19.4	38.8	66.0	112.6	159.3	108.8	112.6	112.6	128.2
87.5°	7.8	7.8	7.8	3.9	7.8	7.8	11.7	19.4	23.3	27.2	34.9
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: P648604

CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8
2.5°	10256.8	10377.2	10334.4	10183.0	10299.5	10318.9	10241.2	10509.2	10559.7	10478.2	10501.4
5°	8314.9	8346.0	8415.9	8563.5	8668.4	8792.6	8792.6	8800.4	8695.5	8959.6	8882.0
7.5°	6478.0	6497.4	6578.9	6893.5	6982.9	7219.7	7320.7	7250.8	7041.1	6951.8	7025.5
10°	5592.5	5479.8	5452.7	5491.5	5693.4	5794.4	5879.9	5856.6	5821.6	5751.7	5674.0
12.5°	5002.2	4920.6	4854.6	4761.3	4773.0	4870.1	4936.1	4881.8	4897.3	4912.9	4936.1
15°	4361.4	4303.1	4268.1	4128.4	4112.8	4178.8	4202.1	4233.2	4291.5	4295.3	4268.1
17.5°	3681.7	3631.2	3708.9	3786.6	3732.2	3736.1	3778.8	3806.0	3790.5	3720.6	3685.6
20°	3215.7	3270.0	3347.7	3421.6	3479.8	3514.7	3530.2	3487.6	3437.1	3293.4	3289.5
22.5°	3079.8	3149.7	3215.7	3328.3	3382.7	3472.0	3390.5	3293.4	3223.5	3153.5	3072.0
25°	2978.8	3037.0	3169.1	3211.8	3316.6	3390.5	3332.2	3235.1	3114.7	3013.8	2951.6
27.5°	2905.0	2971.0	3056.4	3173.0	3254.5	3297.2	3239.0	3200.1	3075.9	2955.5	2866.2
30°	2858.4	2928.3	3083.6	3180.7	3250.6	3285.6	3184.6	3138.0	3048.7	2947.7	2870.0
32.5°	2827.3	2889.4	3021.5	3145.8	3192.4	3192.4	3208.0	3153.5	3029.3	2858.4	2792.3
35°	2726.3	2811.8	2920.5	3064.2	3149.7	3200.1	3122.4	3060.4	2978.8	2804.0	2683.7
37.5°	2668.1	2726.3	2866.2	3002.1	3075.9	3130.3	3099.2	2990.4	2881.7	2738.0	2640.9
40°	2606.0	2699.2	2823.4	2951.6	3033.2	3087.5	3064.2	2936.1	2804.0	2668.1	2602.1
42.5°	2563.2	2625.4	2753.5	2897.3	2994.3	3099.2	3029.3	2870.0	2776.8	2590.4	2516.6
45°	2528.3	2629.2	2765.2	2823.4	2924.4	3033.2	2908.8	2811.8	2703.1	2567.1	2505.0
47.5°	2485.6	2578.7	2668.1	2823.4	2870.0	2920.5	2897.3	2741.9	2648.7	2501.1	2458.4
50°	2470.1	2505.0	2668.1	2753.5	2819.6	2870.0	2807.9	2691.4	2602.1	2450.6	2357.4
52.5°	2407.9	2473.9	2578.7	2691.4	2772.9	2835.1	2734.1	2660.3	2539.9	2380.7	2322.5
55°	2330.2	2369.0	2555.5	2672.0	2714.7	2757.4	2718.6	2598.2	2473.9	2310.8	2252.5
57.5°	2229.2	2318.5	2470.1	2633.2	2687.5	2710.8	2648.7	2551.6	2396.2	2252.5	2159.4
60°	2124.4	2217.6	2384.5	2516.6	2571.0	2656.4	2563.2	2505.0	2326.3	2167.1	2066.1
62.5°	2019.5	2124.4	2248.6	2415.6	2462.2	2497.2	2473.9	2392.4	2248.6	2070.0	1945.8
65°	1895.3	1972.9	2128.3	2213.7	2244.8	2326.3	2244.8	2213.7	2085.5	1914.7	1809.8
67.5°	1708.8	1774.8	1910.8	1992.3	2015.6	2050.6	2046.7	2011.8	1868.1	1751.6	1658.3
70°	1495.2	1553.5	1638.9	1736.0	1747.7	1790.4	1751.6	1743.7	1650.6	1491.3	1440.9
72.5°	1200.0	1254.4	1367.0	1409.8	1413.6	1429.2	1409.8	1382.6	1359.3	1192.3	1141.8
75°	920.4	951.5	1005.8	1044.7	1044.7	1064.1	1052.5	1025.3	963.2	858.3	807.8
77.5°	640.8	671.9	741.8	765.1	761.2	769.0	734.0	706.8	613.6	559.2	516.5
80°	466.0	485.5	520.4	536.0	539.8	551.5	508.8	485.5	431.1	368.9	349.5
82.5°	337.9	349.5	353.4	372.9	372.9	353.4	341.8	318.4	279.6	240.8	225.3
85°	139.8	143.7	147.6	170.9	174.8	209.7	194.2	182.5	159.3	135.9	124.3
87.5°	34.9	38.8	50.5	42.8	50.5	50.5	54.3	62.2	62.2	50.5	50.5
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: P648604

CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8
2.5°	10590.8	10621.9	11018.0	11068.5	11262.7	11460.7	11860.7	12148.1	12381.1	12532.6	12575.3
5°	8963.5	9161.6	9344.1	9639.3	9907.2	10287.8	10726.7	11270.4	11953.9	12303.4	12443.3
7.5°	7017.8	7250.8	7514.9	7802.3	8194.6	8878.0	9464.5	10093.7	10967.5	11328.7	11876.3
10°	5728.4	5988.6	6338.2	6559.5	7033.3	7685.8	8369.3	9095.6	9930.6	10450.9	11084.0
12.5°	5064.3	5277.9	5600.3	6066.3	6419.7	6843.0	7351.8	8268.3	9464.5	9957.7	10392.7
15°	4330.3	4567.2	4940.0	5456.6	5879.9	6384.7	6955.6	7953.8	9227.6	9988.8	10357.8
17.5°	3724.4	3895.3	4287.6	4734.2	5219.6	5771.1	6590.6	7938.2	9476.2	10450.9	11052.9
20°	3305.0	3328.3	3541.9	3922.5	4582.7	5301.2	6365.3	7860.5	10272.3	11247.1	12008.3
22.5°	3040.9	3017.6	3021.5	3343.9	3806.0	4839.0	6012.0	8124.6	11177.2	12513.2	13025.8
25°	2908.8	2846.8	2807.9	2877.8	3297.2	4291.5	5743.9	8474.2	12152.0	13557.9	14187.0
27.5°	2839.0	2730.2	2652.6	2664.2	2971.0	4015.7	5576.9	8625.6	13119.0	15014.3	15235.6
30°	2811.8	2675.8	2563.2	2524.4	2726.3	3631.2	5219.6	8885.9	13985.1	15814.3	16004.6
32.5°	2714.7	2547.7	2439.0	2404.0	2485.6	3293.4	4963.4	9072.2	14750.2	16684.2	16618.2
35°	2602.1	2462.2	2326.3	2260.3	2318.5	3075.9	4757.5	8983.0	15651.2	17360.0	17325.0
37.5°	2590.4	2407.9	2295.3	2186.5	2182.6	2807.9	4477.9	9068.4	16226.0	18571.7	18094.0
40°	2489.5	2373.0	2225.4	2136.0	2085.5	2672.0	4206.0	8866.5	17068.8	19061.0	18591.2
42.5°	2493.3	2318.5	2190.4	2085.5	2035.0	2473.9	4019.6	8812.0	17363.9	19857.2	18824.2
45°	2431.2	2260.3	2151.5	2027.3	2000.1	2322.5	3840.9	8559.6	17884.3	19896.0	18532.9
47.5°	2369.0	2217.6	2101.1	1953.5	1891.3	2268.0	3701.2	8349.9	17612.5	19531.0	18129.0
50°	2326.3	2151.5	2042.8	1937.9	1763.2	2174.9	3518.6	8299.4	17231.9	19037.8	17379.5
52.5°	2252.5	2097.2	1984.6	1903.0	1623.4	2089.4	3448.7	8594.6	17697.9	18668.8	17162.0
55°	2182.6	2023.4	1879.7	1720.5	1506.9	1864.2	3254.5	8870.3	18377.6	19519.3	18148.4
57.5°	2108.9	1957.3	1802.0	1611.7	1394.2	1631.1	3052.6	8920.8	17103.7	18039.7	17228.0
60°	2011.8	1817.6	1701.1	1452.5	1273.9	1351.5	2419.5	7864.5	13266.6	15064.8	15091.9
62.5°	1903.0	1693.3	1592.3	1301.0	1149.6	1165.1	1972.9	6610.0	10761.6	12470.4	13212.3
65°	1759.3	1557.4	1437.0	1203.9	1060.3	1009.8	1444.7	4842.9	8175.1	10117.0	10959.7
67.5°	1572.9	1382.6	1231.1	1048.6	947.6	866.1	986.4	2726.3	4827.4	6792.5	7048.9
70°	1374.8	1211.7	1052.5	901.0	788.4	730.1	722.4	1207.9	2306.9	3654.6	4159.4
72.5°	1083.5	967.0	838.9	726.2	652.5	567.0	516.5	501.0	780.7	1487.5	2054.4
75°	776.7	679.6	605.9	532.0	477.7	431.1	392.3	357.3	326.2	372.9	512.6
77.5°	489.4	454.4	396.1	376.7	345.6	334.0	318.4	299.0	275.8	260.2	260.2
80°	330.1	306.8	287.4	283.5	271.9	267.9	271.9	252.4	229.1	209.7	217.5
82.5°	221.4	217.5	213.6	209.7	213.6	217.5	225.3	221.4	201.9	190.3	194.2
85°	132.0	139.8	147.6	155.3	170.9	151.4	124.3	104.8	93.2	85.4	81.6
87.5°	50.5	69.9	62.2	58.3	62.2	58.3	54.3	50.5	42.8	38.8	38.8
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: P648604

CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8	11891.8
2.5°	12858.8	12936.5	13002.5	12987.0	12851.1	12668.5	12594.7	12218.0	12140.3	12089.8
5°	13033.6	13484.1	13581.2	13523.0	13169.5	12722.9	12287.9	11736.5	11414.1	11402.4
7.5°	12711.2	13266.6	13441.4	13573.5	13103.5	12326.8	11581.1	10753.9	10551.9	10567.4
10°	11891.8	12777.3	13208.3	13344.3	12804.5	12132.6	11099.6	10260.7	9829.5	9821.8
12.5°	11437.4	12132.6	12253.0	12443.3	12284.0	11604.5	10819.9	9880.1	9460.6	9452.8
15°	11033.5	11491.8	11526.8	11794.7	11880.1	11421.9	10893.7	9891.7	9553.9	9518.9
17.5°	11386.9	11068.5	10936.4	10971.4	11223.8	11390.8	11320.9	10551.9	10206.3	10012.1
20°	11623.9	10913.1	10513.1	10551.9	10851.0	11460.7	11957.8	11507.4	10959.7	10983.1
22.5°	12256.8	10936.4	10311.2	10268.4	10742.2	11825.8	12676.3	12715.1	12186.9	12058.8
25°	13204.5	11204.4	10249.0	10237.3	10691.8	12218.0	13515.2	14144.3	13604.5	13367.6
27.5°	13965.7	11623.9	10443.2	10482.0	10851.0	12536.5	14229.8	15064.8	14653.1	14361.8
30°	14633.6	12058.8	10715.0	10536.4	11278.2	12703.5	14536.6	16113.4	15783.2	15542.5
32.5°	14909.4	12676.3	11146.2	10851.0	11631.6	12905.4	15173.5	17130.9	16847.3	16253.2
35°	15375.5	13021.9	11379.2	11355.8	12249.1	13390.9	15472.5	17802.8	17686.2	17158.0
37.5°	15748.3	13371.4	12206.3	11950.1	13095.8	14206.4	15954.1	18730.9	18463.0	18214.5
40°	16035.7	13996.8	12979.2	13317.1	14136.6	14948.3	16396.9	18789.2	19562.1	18839.7
42.5°	15771.6	14556.0	14249.2	15057.0	15833.7	15794.9	16447.4	19239.7	19818.4	19441.7
45°	15705.6	15503.6	16257.0	16991.1	17169.7	16497.8	16086.2	18742.6	19740.7	19573.7
47.5°	15546.3	16435.7	17748.4	18944.5	18672.7	16967.8	15655.1	18653.3	19787.3	19488.2
50°	15492.0	16637.7	18851.4	20016.5	19853.4	17375.6	15453.1	18078.5	19457.2	19430.0
52.5°	15488.1	17053.2	19309.6	20599.0	20699.9	18020.3	15728.9	18369.8	19713.5	19942.6
55°	15662.8	16921.2	19251.4	20276.6	20237.8	17732.8	15759.9	18564.0	20028.1	20253.3
57.5°	14773.5	15157.9	15888.1	16699.8	16490.1	14688.1	14074.4	17162.0	18381.4	18218.3
60°	12757.9	11553.9	10730.6	10691.8	10284.0	9720.9	11518.9	15317.2	15317.2	15157.9
62.5°	11173.3	7584.8	6516.8	6213.9	6505.2	7153.7	11111.2	14897.7	14474.5	14291.9
65°	9771.3	5790.5	4710.9	4625.4	5130.3	6109.0	10047.1	12691.8	11946.2	11340.3
67.5°	6287.6	4241.0	3503.1	3351.6	3961.4	4485.7	6687.7	7806.2	7336.2	7099.4
70°	4054.5	2761.3	1949.6	1829.2	2066.1	2765.2	4272.0	4551.7	3868.2	3708.9
72.5°	1918.5	1192.3	683.6	563.1	633.1	1056.3	1689.4	1817.6	1510.7	1382.6
75°	609.7	438.9	279.6	240.8	229.1	271.9	388.4	299.0	217.5	213.6
77.5°	271.9	260.2	221.4	186.4	163.1	135.9	112.6	93.2	97.1	101.0
80°	225.3	205.9	182.5	163.1	135.9	104.8	81.6	62.2	62.2	66.0
82.5°	198.1	178.7	159.3	135.9	116.5	85.4	62.2	42.8	38.8	38.8
85°	85.4	101.0	108.8	116.5	93.2	69.9	42.8	27.2	23.3	23.3
87.5°	34.9	31.1	27.2	23.3	19.4	19.4	15.5	11.7	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)