

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: P533256

Luminaire Tested: **GALN-SA8C-830-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533256
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-SA8C-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA 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: 33598 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 429
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



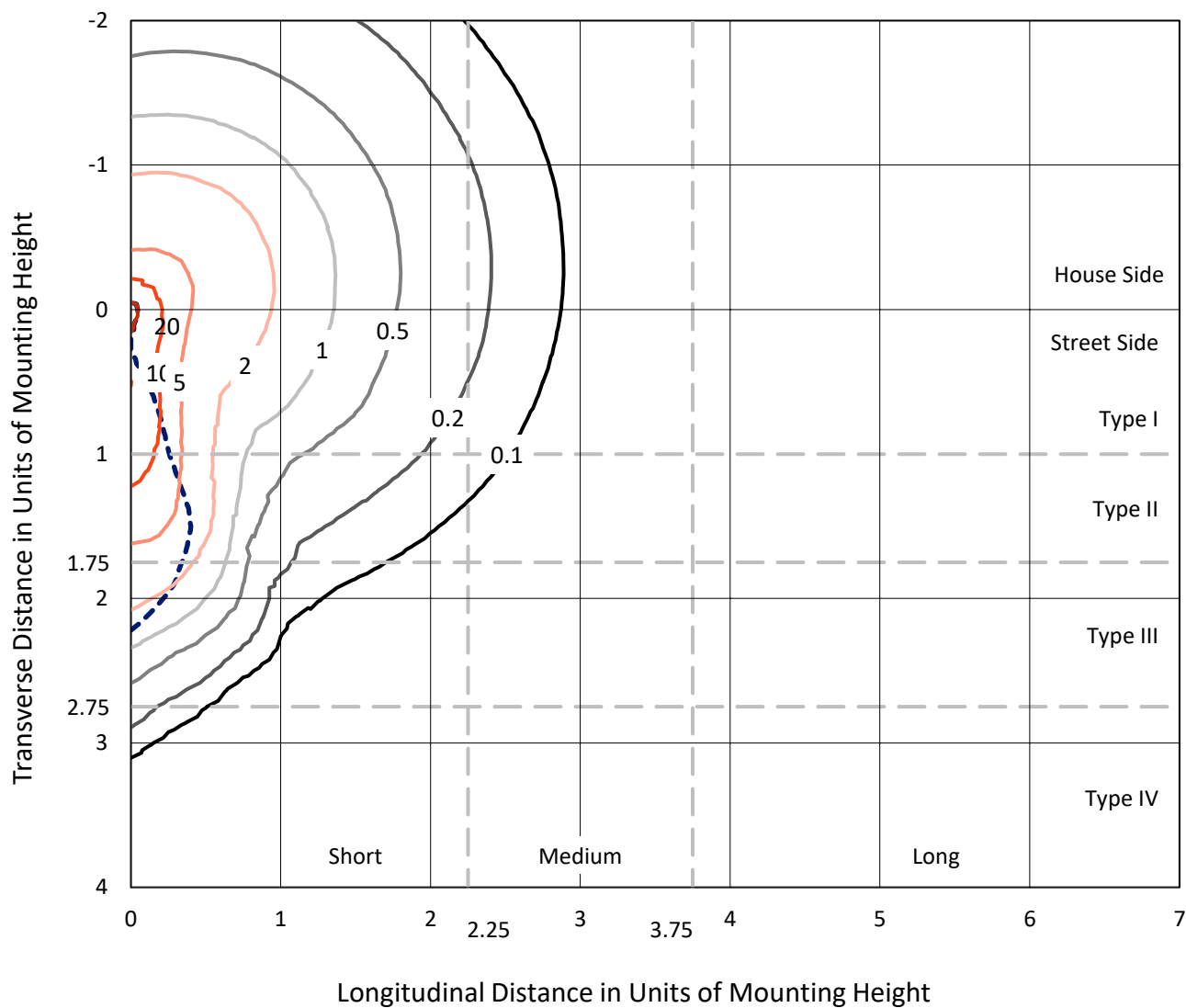
REPORT NUMBER: P533256

CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



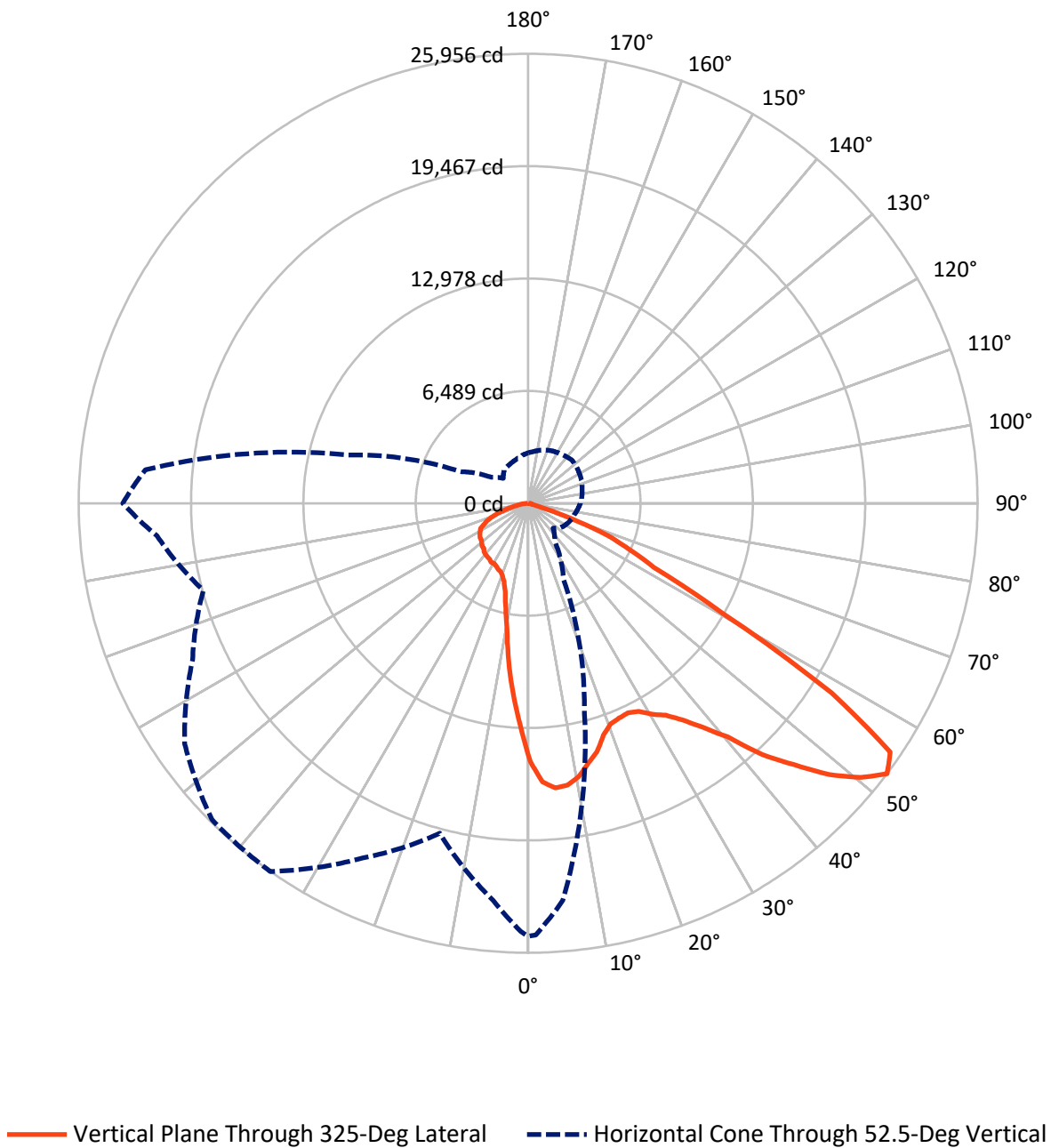
Based on 25 foot mounting height. Maximum calculated value = 23.9 fc

Type III - Short - N/A

REPORT NUMBER: P533256

CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533256

CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10128.4	0.0	10128.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	23469.6	0.0	23469.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	33598.0	0.0	33598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1137.6	3.4
10°-20°	2466.1	7.3
20°-30°	3726.1	11.1
30°-40°	5384.3	16.0
40°-50°	7165.6	21.3
50°-60°	8014.9	23.9
60°-70°	4517.1	13.4
70°-80°	1006.9	3.0
80°-90°	179.3	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°	33598.0	100.0
0°-180°	33598.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533256

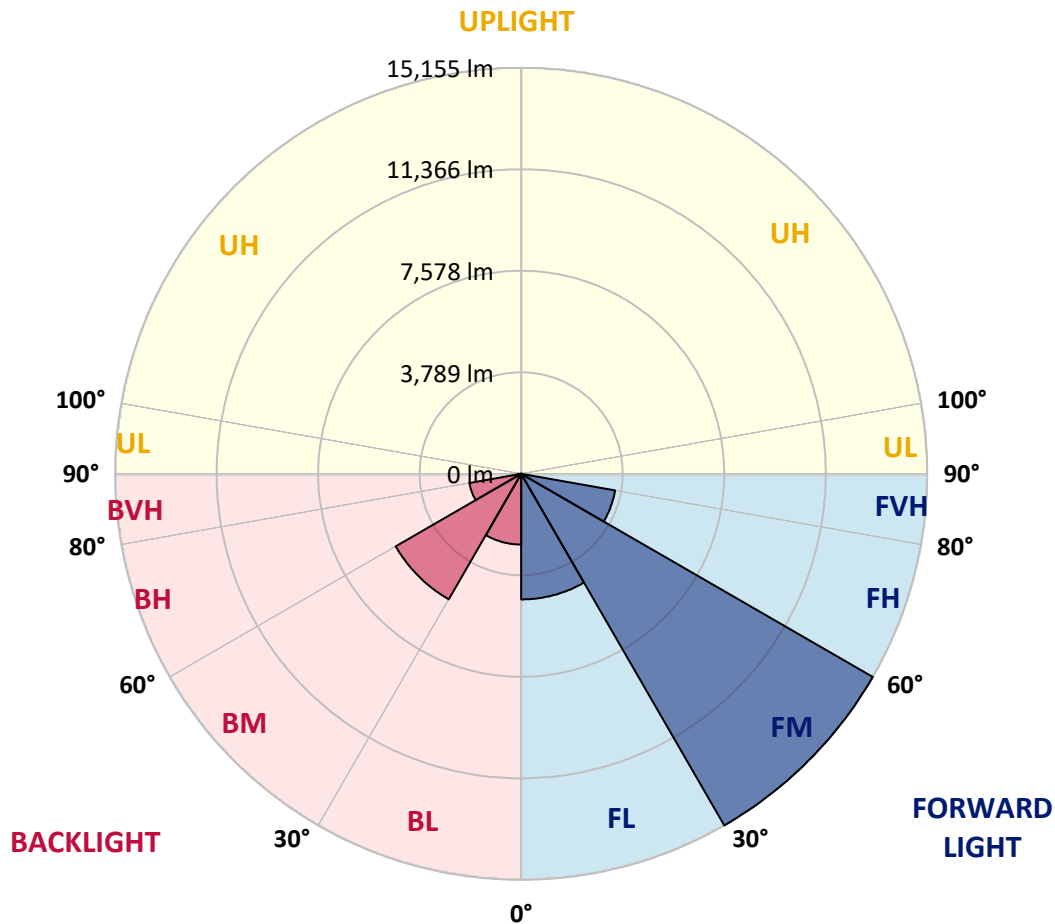
CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4688.5	14.0			
FM	(30°-60°)	15155.3	45.1			
FH	(60°-80°)	3560.9	10.6			G2/5000
FVH	(80°-90°)	64.9	0.2			G1/100
BL	(0°-30°)	2641.2	7.9	B4/5000		
BM	(30°-60°)	5409.6	16.1	B4/8500		
BH	(60°-80°)	1963.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	114.4	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short



REPORT NUMBER: P533256

CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0
2.5°	15159.4	15402.8	15139.9	14672.4	14341.2	14039.3	13722.8	13659.5	13245.6	13172.5	12870.6
5°	14297.4	14243.9	13922.5	13308.9	12632.0	12018.4	11565.5	11127.2	10830.2	10484.4	10460.1
7.5°	13250.4	12938.8	12753.7	11823.6	10986.0	10021.8	9607.9	8940.8	8731.4	8419.7	8259.0
10°	12315.5	12086.6	11653.2	10723.1	9554.3	8916.4	8473.3	8112.9	7869.4	7548.0	7143.8
12.5°	11852.8	11760.3	11273.3	9831.9	8965.1	8283.3	7971.7	7621.1	7207.1	6691.0	6491.3
15°	11935.6	11624.0	11253.9	9661.5	8463.5	7806.1	7309.4	6871.1	6340.3	5848.5	5561.2
17.5°	12554.1	12315.5	11575.3	9768.6	8273.6	7324.0	6423.1	5775.5	5298.2	4855.1	4655.4
20°	13771.5	13425.7	12593.0	9905.0	7864.6	6652.0	5619.6	4821.0	4309.7	4075.9	4007.8
22.5°	15120.4	14915.9	13586.4	10211.7	7538.3	6028.7	4767.4	3968.8	3778.9	3715.6	3842.2
25°	16761.5	16230.7	15130.1	10713.3	7285.1	5497.9	4046.7	3603.6	3506.2	3569.5	3715.6
27.5°	18008.1	17866.9	16211.2	11185.7	6939.3	4860.0	3642.5	3350.3	3379.6	3442.9	3579.2
30°	19488.5	18772.7	17258.2	11512.0	6627.7	4421.7	3360.1	3282.2	3311.4	3418.5	3486.7
32.5°	20379.7	20111.8	17915.6	12003.8	6267.3	4041.8	3141.0	3067.9	3111.7	3272.4	3433.1
35°	21514.3	20983.5	18728.8	12130.4	6014.1	3890.9	2985.1	2931.6	3033.8	3145.8	3326.0
37.5°	22838.9	22473.6	19853.7	12042.7	5877.7	3735.1	2853.6	2829.3	2902.3	3058.2	3267.6
40°	23622.9	23510.9	20443.0	12096.3	5663.5	3598.7	2702.7	2731.9	2882.9	3004.6	3209.1
42.5°	24377.7	23647.2	21314.6	12076.8	5527.1	3413.7	2717.3	2683.2	2800.1	2941.3	3136.1
45°	24543.3	23817.7	21519.2	11940.5	5361.5	3233.5	2605.3	2619.9	2761.1	2936.4	3063.0
47.5°	24436.1	23900.5	21899.0	11901.5	5205.7	3106.9	2439.7	2615.0	2697.8	2839.0	3019.2
50°	24363.1	24333.9	22220.4	12086.6	4996.3	2907.2	2240.1	2551.7	2634.5	2775.7	2970.5
52.5°	25005.9	24942.6	23023.9	12573.5	4830.7	2692.9	2035.5	2391.0	2590.7	2727.0	2916.9
55°	25395.4	25117.9	24402.0	13172.5	4553.2	2410.5	1894.3	2191.4	2483.5	2605.3	2800.1
57.5°	22843.7	22653.8	22074.3	12296.0	4085.7	2040.4	1719.0	1986.8	2337.5	2527.4	2727.0
60°	19006.4	18709.4	17224.1	10450.4	3014.3	1587.5	1611.9	1826.1	2298.5	2371.5	2605.3
62.5°	17920.5	17185.1	15164.2	8410.0	2313.1	1363.5	1446.3	1680.0	2094.0	2215.7	2449.5
65°	14219.5	13674.1	10849.7	6072.5	1548.6	1183.3	1319.7	1514.5	1806.7	2045.3	2259.5
67.5°	8901.8	8380.7	5790.1	2873.1	1081.1	1012.9	1178.5	1383.0	1621.6	1835.9	2074.5
70°	4650.6	4080.8	2673.5	1037.2	745.1	827.8	983.7	1178.5	1412.2	1587.5	1772.6
72.5°	1733.6	1407.3	871.7	448.0	516.2	633.1	798.6	939.9	1105.4	1319.7	1422.0
75°	267.8	228.9	224.0	272.7	350.6	457.8	569.8	711.0	857.1	993.4	1061.6
77.5°	126.6	121.7	136.4	180.2	233.7	326.3	413.9	550.3	667.1	754.8	793.8
80°	82.8	77.9	87.7	121.7	175.3	243.5	331.1	423.7	530.8	603.8	594.1
82.5°	48.7	53.6	53.6	82.8	121.7	175.3	238.6	321.4	394.4	457.8	418.8
85°	29.2	24.3	24.3	48.7	82.8	141.2	199.7	136.4	141.2	141.2	160.7
87.5°	9.7	9.7	9.7	4.9	9.7	9.7	14.6	24.3	29.2	34.1	43.8
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: P533256

CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0
2.5°	12860.9	13011.8	12958.3	12768.3	12914.4	12938.8	12841.4	13177.4	13240.7	13138.4	13167.6
5°	10426.0	10465.0	10552.6	10737.7	10869.2	11025.0	11025.0	11034.7	10903.2	11234.4	11137.0
7.5°	8122.6	8147.0	8249.3	8643.7	8755.7	9052.8	9179.4	9091.7	8828.8	8716.7	8809.3
10°	7012.4	6871.1	6837.0	6885.7	7139.0	7265.6	7372.7	7343.5	7299.7	7212.0	7114.6
12.5°	6272.2	6169.9	6087.1	5970.2	5984.9	6106.6	6189.4	6121.2	6140.7	6160.2	6189.4
15°	5468.7	5395.6	5351.8	5176.5	5157.0	5239.8	5269.0	5308.0	5381.0	5385.9	5351.8
17.5°	4616.5	4553.2	4650.6	4748.0	4679.8	4684.6	4738.2	4772.3	4752.8	4665.2	4621.3
20°	4032.1	4100.3	4197.7	4290.2	4363.2	4407.1	4426.6	4373.0	4309.7	4129.5	4124.6
22.5°	3861.7	3949.3	4032.1	4173.3	4241.5	4353.5	4251.2	4129.5	4041.8	3954.2	3851.9
25°	3735.1	3808.1	3973.7	4027.2	4158.7	4251.2	4178.2	4056.5	3905.5	3778.9	3701.0
27.5°	3642.5	3725.3	3832.4	3978.5	4080.8	4134.4	4061.3	4012.6	3856.8	3705.8	3593.8
30°	3584.1	3671.7	3866.5	3988.3	4075.9	4119.8	3993.1	3934.7	3822.7	3696.1	3598.7
32.5°	3545.1	3623.1	3788.6	3944.5	4002.9	4002.9	4022.4	3954.2	3798.4	3584.1	3501.3
35°	3418.5	3525.7	3662.0	3842.2	3949.3	4012.6	3915.2	3837.3	3735.1	3515.9	3365.0
37.5°	3345.5	3418.5	3593.8	3764.3	3856.8	3925.0	3886.0	3749.7	3613.3	3433.1	3311.4
40°	3267.6	3384.4	3540.3	3701.0	3803.2	3871.4	3842.2	3681.5	3515.9	3345.5	3262.7
42.5°	3214.0	3291.9	3452.6	3632.8	3754.5	3886.0	3798.4	3598.7	3481.8	3248.1	3155.6
45°	3170.2	3296.8	3467.2	3540.3	3666.9	3803.2	3647.4	3525.7	3389.3	3218.9	3141.0
47.5°	3116.6	3233.5	3345.5	3540.3	3598.7	3662.0	3632.8	3438.0	3321.1	3136.1	3082.5
50°	3097.1	3141.0	3345.5	3452.6	3535.4	3598.7	3520.8	3374.7	3262.7	3072.8	2955.9
52.5°	3019.2	3102.0	3233.5	3374.7	3477.0	3554.9	3428.3	3335.7	3184.8	2985.1	2912.1
55°	2921.8	2970.5	3204.3	3350.3	3403.9	3457.5	3408.8	3257.8	3102.0	2897.5	2824.4
57.5°	2795.2	2907.2	3097.1	3301.7	3369.8	3399.0	3321.1	3199.4	3004.6	2824.4	2707.5
60°	2663.7	2780.6	2990.0	3155.6	3223.7	3330.9	3214.0	3141.0	2916.9	2717.3	2590.7
62.5°	2532.2	2663.7	2819.6	3028.9	3087.4	3131.2	3102.0	2999.7	2819.6	2595.5	2439.7
65°	2376.4	2473.8	2668.6	2775.7	2814.7	2916.9	2814.7	2775.7	2615.0	2400.8	2269.3
67.5°	2142.7	2225.4	2395.9	2498.2	2527.4	2571.2	2566.3	2522.5	2342.3	2196.2	2079.4
70°	1874.8	1947.9	2055.0	2176.8	2191.4	2244.9	2196.2	2186.5	2069.6	1870.0	1806.7
72.5°	1504.7	1572.9	1714.1	1767.7	1772.6	1792.0	1767.7	1733.6	1704.4	1495.0	1431.7
75°	1154.1	1193.1	1261.3	1309.9	1309.9	1334.3	1319.7	1285.6	1207.7	1076.2	1012.9
77.5°	803.5	842.5	930.1	959.3	954.5	964.2	920.4	886.3	769.4	701.2	647.7
80°	584.4	608.7	652.5	672.0	676.9	691.5	637.9	608.7	540.5	462.6	438.3
82.5°	423.7	438.3	443.1	467.5	467.5	443.1	428.5	399.3	350.6	301.9	282.4
85°	175.3	180.2	185.0	214.3	219.1	263.0	243.5	228.9	199.7	170.4	155.8
87.5°	43.8	48.7	63.3	53.6	63.3	63.3	68.2	77.9	77.9	63.3	63.3
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: P533256

CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0
2.5°	13279.7	13318.6	13815.3	13878.6	14122.1	14370.5	14872.0	15232.4	15524.6	15714.5	15768.1
5°	11239.3	11487.6	11716.5	12086.6	12422.6	12899.8	13450.1	14131.8	14988.9	15427.2	15602.5
7.5°	8799.5	9091.7	9422.9	9783.2	10275.1	11132.1	11867.4	12656.3	13752.0	14204.9	14891.5
10°	7182.8	7509.1	7947.3	8224.9	8819.0	9637.1	10494.2	11404.8	12451.8	13104.3	13898.1
12.5°	6350.1	6617.9	7022.1	7606.5	8049.6	8580.4	9218.3	10367.6	11867.4	12485.9	13031.3
15°	5429.7	5726.8	6194.2	6841.9	7372.7	8005.8	8721.6	9973.1	11570.4	12524.8	12987.5
17.5°	4670.0	4884.3	5376.1	5936.2	6544.9	7236.4	8263.9	9953.7	11882.1	13104.3	13859.1
20°	4144.1	4173.3	4441.2	4918.4	5746.2	6647.1	7981.4	9856.3	12880.3	14102.6	15057.1
22.5°	3813.0	3783.8	3788.6	4192.8	4772.3	6067.6	7538.3	10187.4	14015.0	15690.1	16332.9
25°	3647.4	3569.5	3520.8	3608.4	4134.4	5381.0	7202.3	10625.7	15237.3	17000.1	17789.0
27.5°	3559.7	3423.4	3326.0	3340.6	3725.3	5035.3	6992.9	10815.6	16449.8	18826.2	19103.8
30°	3525.7	3355.2	3214.0	3165.3	3418.5	4553.2	6544.9	11141.9	17535.8	19829.4	20068.0
32.5°	3403.9	3194.5	3058.2	3014.3	3116.6	4129.5	6223.5	11375.6	18495.1	20920.2	20837.4
35°	3262.7	3087.4	2916.9	2834.2	2907.2	3856.8	5965.4	11263.6	19624.9	21767.5	21723.7
37.5°	3248.1	3019.2	2878.0	2741.6	2736.8	3520.8	5614.8	11370.7	20345.6	23286.9	22687.9
40°	3121.5	2975.4	2790.3	2678.3	2615.0	3350.3	5273.9	11117.5	21402.3	23900.5	23311.2
42.5°	3126.3	2907.2	2746.5	2615.0	2551.7	3102.0	5040.1	11049.3	21772.4	24898.7	23603.4
45°	3048.4	2834.2	2697.8	2542.0	2507.9	2912.1	4816.1	10732.8	22424.9	24947.4	23238.2
47.5°	2970.5	2780.6	2634.5	2449.5	2371.5	2843.9	4640.8	10469.8	22084.1	24489.7	22731.7
50°	2916.9	2697.8	2561.5	2430.0	2210.8	2727.0	4411.9	10406.5	21606.8	23871.2	21791.9
52.5°	2824.4	2629.6	2488.4	2386.1	2035.5	2619.9	4324.3	10776.6	22191.2	23408.6	21519.2
55°	2736.8	2537.1	2356.9	2157.3	1889.4	2337.5	4080.8	11122.4	23043.4	24475.1	22756.1
57.5°	2644.2	2454.3	2259.5	2020.9	1748.2	2045.3	3827.6	11185.7	21446.1	22619.7	21602.0
60°	2522.5	2279.0	2132.9	1821.3	1597.3	1694.7	3033.8	9861.1	16634.9	18889.5	18923.6
62.5°	2386.1	2123.2	1996.6	1631.3	1441.4	1460.9	2473.8	8288.2	13493.9	15636.6	16566.7
65°	2206.0	1952.7	1801.8	1509.6	1329.4	1266.1	1811.5	6072.5	10250.7	12685.5	13742.3
67.5°	1972.2	1733.6	1543.7	1314.8	1188.2	1085.9	1236.9	3418.5	6053.0	8517.1	8838.5
70°	1723.9	1519.3	1319.7	1129.8	988.5	915.5	905.8	1514.5	2892.6	4582.4	5215.4
72.5°	1358.6	1212.6	1051.9	910.6	818.1	711.0	647.7	628.2	978.8	1865.1	2576.1
75°	973.9	852.2	759.7	667.1	599.0	540.5	491.8	448.0	409.1	467.5	642.8
77.5°	613.6	569.8	496.7	472.4	433.4	418.8	399.3	375.0	345.7	326.3	326.3
80°	413.9	384.7	360.4	355.5	340.9	336.0	340.9	316.5	287.3	263.0	272.7
82.5°	277.6	272.7	267.8	263.0	267.8	272.7	282.4	277.6	253.2	238.6	243.5
85°	165.6	175.3	185.0	194.8	214.3	189.9	155.8	131.5	116.9	107.1	102.3
87.5°	63.3	87.7	77.9	73.0	77.9	73.0	68.2	63.3	53.6	48.7	48.7
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: P533256

CATALOG NUMBER: GALN-SA8C-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0	14911.0
2.5°	16123.6	16220.9	16303.7	16284.3	16113.8	15884.9	15792.4	15320.1	15222.7	15159.4
5°	16342.7	16907.6	17029.3	16956.3	16513.1	15953.1	15407.7	14716.2	14312.0	14297.4
7.5°	15938.5	16634.9	16854.0	17019.6	16430.3	15456.4	14521.4	13484.2	13231.0	13250.4
10°	14911.0	16021.3	16561.8	16732.3	16055.4	15212.9	13917.6	12865.7	12325.2	12315.5
12.5°	14341.2	15212.9	15363.9	15602.5	15402.8	14550.6	13567.0	12388.5	11862.6	11852.8
15°	13834.8	14409.4	14453.2	14789.3	14896.4	14321.8	13659.5	12403.1	11979.4	11935.6
17.5°	14277.9	13878.6	13713.1	13756.9	14073.4	14282.8	14195.2	13231.0	12797.6	12554.1
20°	14575.0	13683.8	13182.3	13231.0	13605.9	14370.5	14993.8	14428.9	13742.3	13771.5
22.5°	15368.8	13713.1	12929.0	12875.5	13469.6	14828.2	15894.7	15943.4	15281.1	15120.4
25°	16557.0	14049.1	12851.1	12836.5	13406.3	15320.1	16946.5	17735.4	17058.5	16761.5
27.5°	17511.4	14575.0	13094.6	13143.3	13605.9	15719.4	17842.6	18889.5	18373.4	18008.1
30°	18349.0	15120.4	13435.5	13211.5	14141.6	15928.8	18227.3	20204.4	19790.4	19488.5
32.5°	18694.8	15894.7	13976.0	13605.9	14584.7	16182.0	19025.9	21480.2	21124.7	20379.7
35°	19279.1	16328.1	14268.2	14239.0	15359.0	16790.7	19400.9	22322.7	22176.6	21514.3
37.5°	19746.6	16766.4	15305.4	14984.0	16420.6	17813.3	20004.7	23486.5	23150.5	22838.9
40°	20107.0	17550.4	16274.5	16698.2	17725.7	18743.4	20559.8	23559.6	24528.6	23622.9
42.5°	19775.8	18251.6	17866.9	18879.8	19853.7	19805.0	20623.1	24124.5	24850.0	24377.7
45°	19693.0	19439.8	20384.5	21304.9	21528.9	20686.5	20170.3	23501.1	24752.6	24543.3
47.5°	19493.4	20608.5	22254.5	23754.4	23413.5	21275.7	19629.7	23389.1	24811.1	24436.1
50°	19425.2	20861.8	23637.5	25098.4	24893.9	21787.0	19376.5	22668.4	24397.2	24363.1
52.5°	19420.3	21382.8	24212.1	25828.8	25955.5	22595.4	19722.3	23033.6	24718.6	25005.9
55°	19639.5	21217.3	24139.1	25424.7	25376.0	22235.0	19761.2	23277.1	25113.0	25395.4
57.5°	18524.3	19006.4	19921.9	20939.7	20676.7	18417.2	17647.8	21519.2	23048.3	22843.7
60°	15996.9	14487.3	13455.0	13406.3	12894.9	12188.8	14443.5	19206.1	19206.1	19006.4
62.5°	14010.1	9510.5	8171.3	7791.5	8156.7	8970.0	13932.2	18680.1	18149.3	17920.5
65°	12252.1	7260.7	5906.9	5799.8	6432.9	7660.0	12597.9	15914.2	14979.2	14219.5
67.5°	7884.0	5317.7	4392.5	4202.5	4967.1	5624.5	8385.6	9788.1	9198.8	8901.8
70°	5084.0	3462.4	2444.6	2293.6	2590.7	3467.2	5356.7	5707.3	4850.2	4650.6
72.5°	2405.6	1495.0	857.1	706.1	793.8	1324.6	2118.3	2279.0	1894.3	1733.6
75°	764.5	550.3	350.6	301.9	287.3	340.9	487.0	375.0	272.7	267.8
77.5°	340.9	326.3	277.6	233.7	204.5	170.4	141.2	116.9	121.7	126.6
80°	282.4	258.1	228.9	204.5	170.4	131.5	102.3	77.9	77.9	82.8
82.5°	248.4	224.0	199.7	170.4	146.1	107.1	77.9	53.6	48.7	48.7
85°	107.1	126.6	136.4	146.1	116.9	87.7	53.6	34.1	29.2	29.2
87.5°	43.8	39.0	34.1	29.2	24.3	24.3	19.5	14.6	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)