

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: P527637

Luminaire Tested: **GALN-SA2C-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527637
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-SA2C-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 6211 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

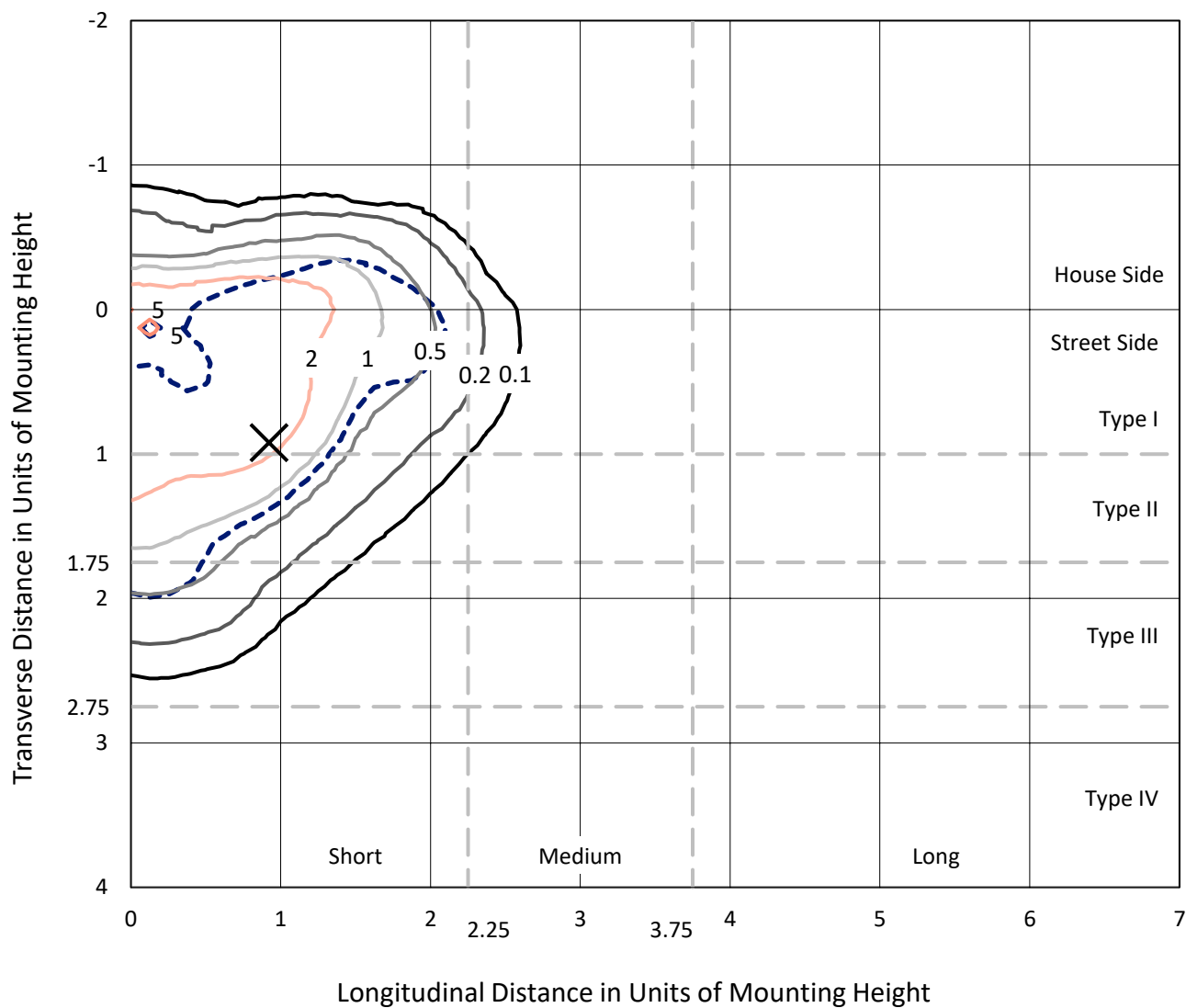
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527637
 CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

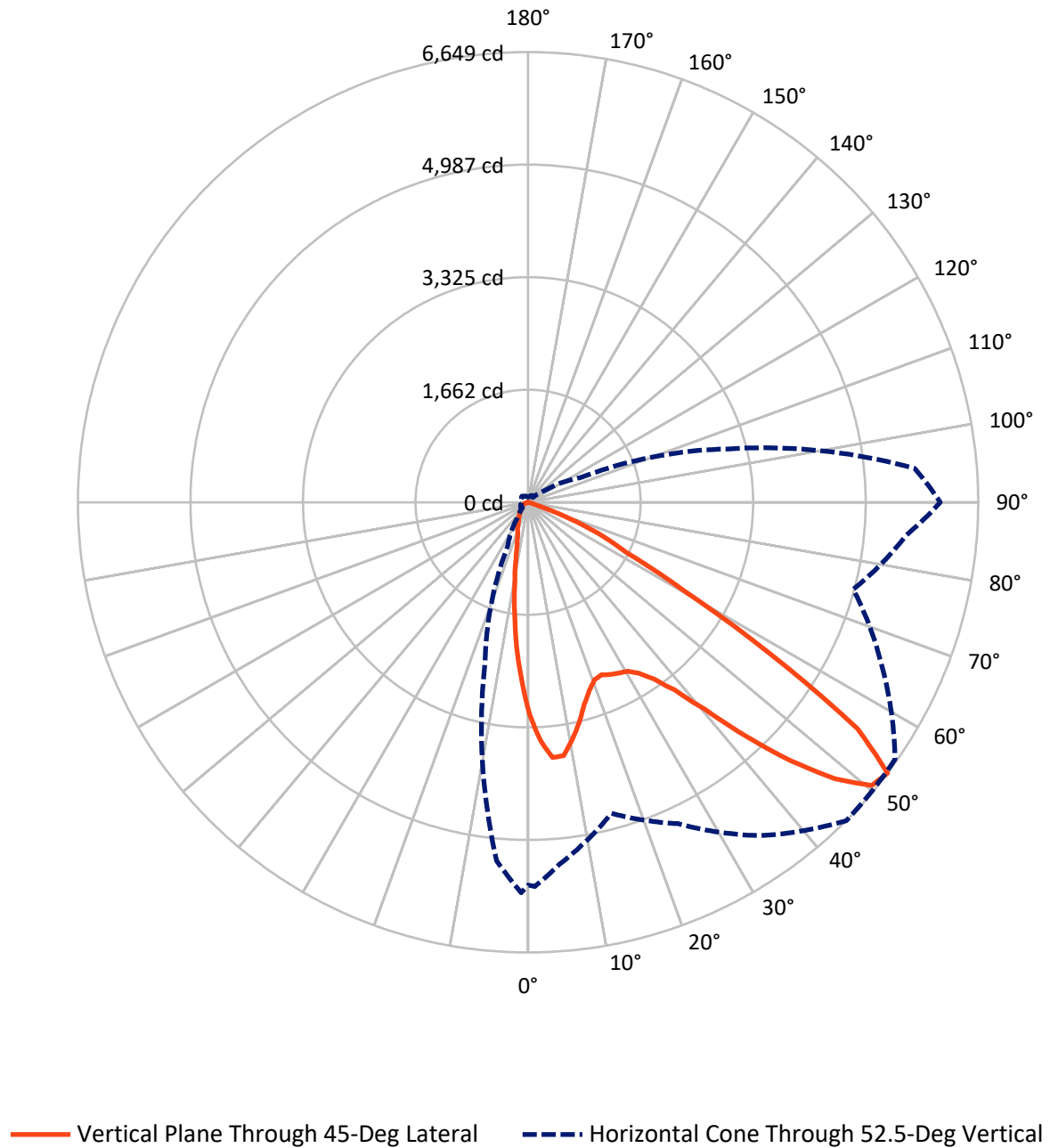
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

REPORT NUMBER: P527637
CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P527637

CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

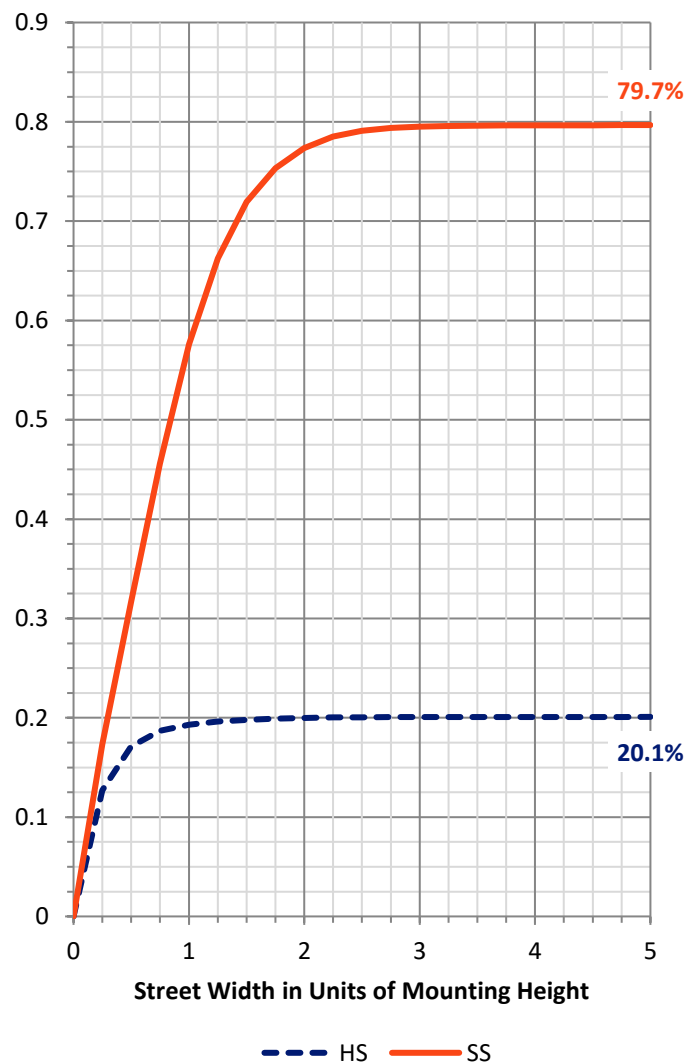
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1260.5	0.0	1260.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	4950.5	0.0	4950.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	6211.0	0.0	6211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	3.7
10°-20°	453.1	7.3
20°-30°	689.6	11.1
30°-40°	1030.7	16.6
40°-50°	1467.8	23.6
50°-60°	1577.8	25.4
60°-70°	699.2	11.3
70°-80°	56.6	0.9
80°-90°	6.6	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°	6211.0	100.0
0°-180°	6211.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527637

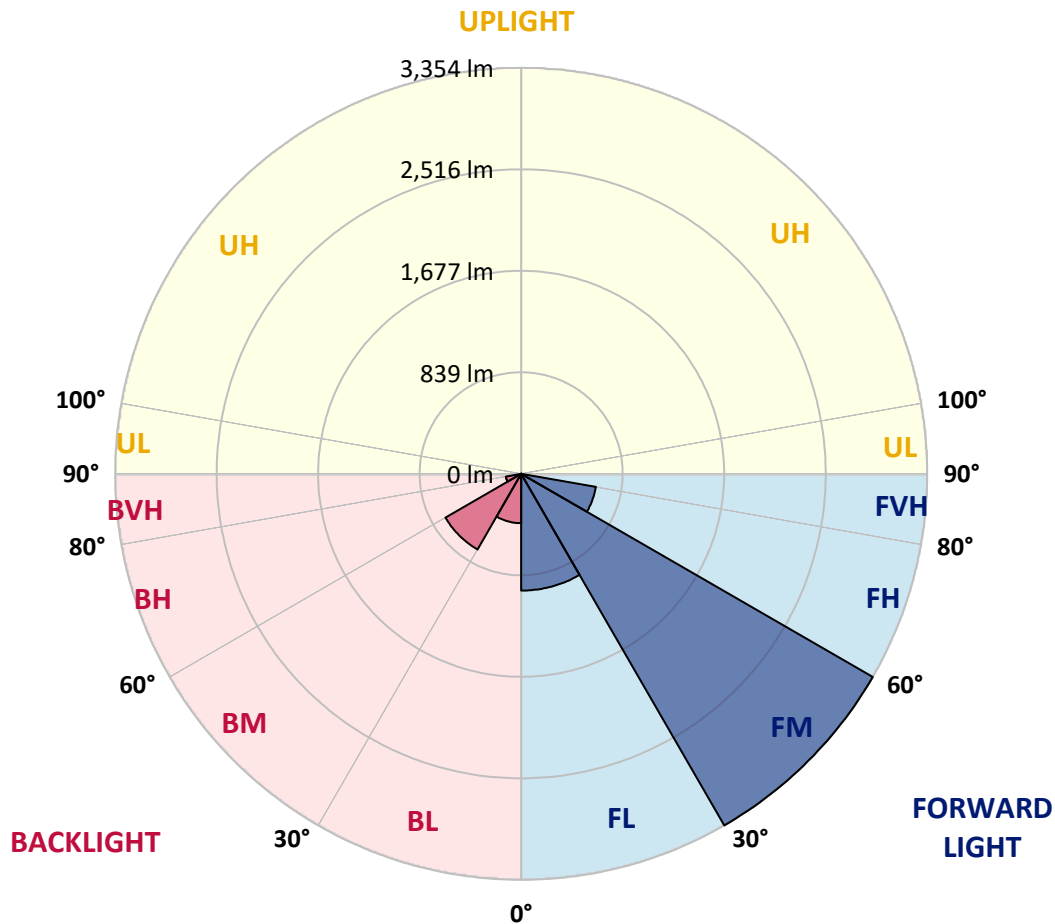
CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	964.7	15.5			
FM	(30°-60°)	3354.1	54.0			
FH	(60°-80°)	626.8	10.1			G0/660
FVH	(80°-90°)	4.9	0.1			G0/10
BL	(0°-30°)	407.7	6.6	B1/500		
BM	(30°-60°)	722.1	11.6	B1/1000		
BH	(60°-80°)	129.0	2.1	B1/500		G1/500
BVH	(80°-90°)	1.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



REPORT NUMBER: P527637

CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3
2.5°	3332.5	3342.3	3396.0	3463.2	3498.6	3579.3	3523.1	3537.7	3507.2	3399.7	3315.4
5°	3231.1	3229.9	3298.3	3464.4	3622.0	3782.1	3786.9	3701.4	3551.2	3386.3	3150.5
7.5°	2925.7	2973.4	3044.2	3309.3	3601.3	3721.0	3778.4	3678.2	3447.3	3211.6	2956.3
10°	2694.8	2719.3	2839.0	3159.0	3372.8	3532.8	3568.3	3510.9	3333.7	3039.3	2753.5
12.5°	2561.7	2573.9	2714.4	2983.1	3209.1	3327.6	3344.7	3371.6	3244.5	2968.5	2625.2
15°	2562.9	2572.7	2762.0	2986.8	3076.0	3044.2	3100.4	3099.2	3154.2	2955.0	2732.7
17.5°	2747.4	2758.4	2929.4	3040.5	3001.5	2926.9	2923.3	2979.5	3095.5	3122.4	2895.2
20°	3065.0	3090.6	3216.5	3210.3	2990.5	2840.2	2798.7	2841.4	3111.4	3264.1	3222.6
22.5°	3492.5	3528.0	3615.9	3447.3	3040.5	2781.6	2768.1	2851.2	3216.5	3580.5	3593.9
25°	3988.5	4048.4	4091.1	3874.9	3218.9	2883.0	2819.4	2962.4	3358.2	3923.8	4066.7
27.5°	4317.1	4379.4	4369.6	4060.6	3338.6	2909.8	2856.1	2989.2	3481.5	4005.6	4313.4
30°	4573.6	4611.5	4679.9	4160.7	3458.3	2985.6	2894.0	3102.8	3521.9	4147.3	4611.5
32.5°	4872.9	4898.6	4903.5	4337.9	3642.8	3080.9	3011.2	3244.5	3700.2	4282.9	4875.4
35°	5174.7	5212.5	5133.1	4556.5	3756.4	3258.0	3206.7	3490.1	3843.1	4423.4	5166.1
37.5°	5502.1	5521.6	5338.4	4646.9	3918.9	3546.3	3518.2	3755.2	4091.1	4677.5	5488.6
40°	5776.9	5795.2	5557.0	4758.1	4089.9	3949.4	4021.5	4260.9	4428.3	4842.4	5649.9
42.5°	5929.6	5972.4	5630.3	4697.0	4433.2	4406.3	4726.3	4810.6	4819.2	4888.8	5794.0
45°	5971.1	5951.6	5509.4	4747.1	4733.7	5157.6	5448.3	5559.5	5207.6	4974.3	5830.7
47.5°	5779.4	5805.0	5331.0	4703.1	5128.2	5726.8	6103.1	6309.5	5497.2	4899.8	5740.3
50°	5624.2	5591.2	5273.6	4671.4	5234.5	5995.6	6575.8	6622.3	5763.5	4991.4	5641.3
52.5°	5654.8	5675.5	5365.2	4755.7	5237.0	6011.5	6649.1	6617.4	5772.0	4970.7	5605.9
55°	5719.5	5627.9	5326.1	4570.0	4886.4	5568.0	5901.5	5852.7	5327.4	4749.6	5519.2
57.5°	4935.2	5076.9	4897.4	4080.1	4010.5	4194.9	4188.8	4339.1	3973.8	4087.4	5024.4
60°	4005.6	4030.0	4097.2	3490.1	2775.5	2711.9	2624.0	2528.7	2674.1	3495.0	4570.0
62.5°	3523.1	3493.8	3733.2	3174.9	1959.4	1640.6	1625.9	1684.6	2063.3	3333.7	4286.6
65°	2560.5	2597.1	2770.6	2464.0	1470.8	1252.1	1230.1	1403.6	1669.9	2671.6	3271.4
67.5°	1563.6	1634.5	1650.4	1519.7	998.0	792.8	761.1	918.6	1205.7	1728.6	1917.9
70°	722.0	807.5	888.1	829.5	577.8	326.2	307.8	386.0	608.4	994.4	1017.6
72.5°	218.7	219.9	307.8	321.3	186.9	73.3	64.7	85.5	206.4	328.6	345.7
75°	15.9	17.1	41.5	47.6	35.4	18.3	19.5	23.2	44.0	73.3	55.0
77.5°	1.2	1.2	1.2	6.1	11.0	12.2	15.9	18.3	23.2	26.9	24.4
80°	1.2	0.0	1.2	4.9	8.6	12.2	14.7	17.1	18.3	20.8	18.3
82.5°	0.0	0.0	0.0	3.7	8.6	12.2	13.4	18.3	20.8	24.4	20.8
85°	0.0	0.0	0.0	3.7	8.6	13.4	12.2	6.1	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: P527637

CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3
2.5°	3330.1	3282.4	3173.7	3118.7	2989.2	2970.9	2843.9	2823.1	2780.3	2757.1	2700.9
5°	3046.7	2989.2	2812.1	2663.1	2489.6	2368.7	2275.8	2191.5	2142.7	2097.5	2118.2
7.5°	2815.8	2648.4	2451.7	2202.5	2002.2	1872.7	1731.0	1614.9	1546.5	1500.1	1511.1
10°	2573.9	2465.2	2191.5	1911.8	1669.9	1578.3	1467.1	1378.0	1281.5	1198.4	1159.3
12.5°	2498.2	2336.9	1993.6	1709.0	1525.8	1436.6	1309.5	1206.9	1083.6	982.2	946.7
15°	2511.6	2356.5	1939.9	1635.7	1419.5	1265.6	1114.1	987.0	851.5	780.6	743.9
17.5°	2730.3	2461.5	1975.3	1558.8	1271.7	1057.9	871.0	709.7	608.4	535.1	519.2
20°	2999.0	2688.7	2051.1	1502.6	1150.7	841.7	636.4	497.2	412.9	400.7	397.0
22.5°	3392.4	3060.1	2213.5	1464.7	1002.9	656.0	436.1	361.6	338.4	335.9	337.2
25°	3942.1	3525.5	2390.7	1432.9	891.8	505.7	356.7	306.6	299.3	295.6	301.7
27.5°	4180.3	3806.5	2484.7	1364.5	790.4	455.7	351.8	304.2	283.4	277.3	281.0
30°	4474.7	3993.4	2632.5	1247.2	641.3	375.0	328.6	331.1	321.3	290.7	281.0
32.5°	4865.6	4226.7	2707.0	1164.2	572.9	310.3	240.7	221.1	246.8	251.6	260.2
35°	5116.0	4463.7	2744.9	1115.3	537.5	265.1	204.0	185.7	179.6	180.8	185.7
37.5°	5581.5	4783.8	2792.6	1064.0	510.6	230.9	184.5	167.4	158.8	158.8	163.7
40°	5860.0	5037.8	2857.3	1035.9	483.8	210.1	167.4	152.7	145.4	145.4	147.8
42.5°	5929.6	5163.7	2835.3	1026.1	453.2	205.2	152.7	141.7	133.2	131.9	130.7
45°	6054.2	5355.5	2839.0	1015.1	421.4	186.9	144.1	131.9	119.7	118.5	117.3
47.5°	6191.0	5493.5	2846.3	972.4	390.9	156.4	150.3	122.2	107.5	105.1	105.1
50°	6073.8	5603.4	2909.8	929.6	351.8	127.0	147.8	114.8	95.3	91.6	92.8
52.5°	6088.4	5732.9	3044.2	869.8	303.0	101.4	119.7	108.7	86.7	80.6	81.8
55°	5853.9	5596.1	3062.5	806.3	237.0	78.2	91.6	95.3	73.3	70.9	70.9
57.5°	5039.1	4738.6	2702.2	653.6	156.4	64.7	66.0	83.1	63.5	61.1	62.3
60°	4312.2	3804.0	2174.4	431.2	97.7	51.3	47.6	84.3	56.2	55.0	58.6
62.5°	3931.1	3126.1	1649.2	267.5	67.2	39.1	33.0	68.4	48.9	48.9	53.8
65°	2840.2	2099.9	959.0	140.5	47.6	30.5	24.4	39.1	40.3	41.5	44.0
67.5°	1759.1	1060.3	404.3	68.4	31.8	20.8	15.9	24.4	26.9	26.9	29.3
70°	868.6	422.7	134.4	39.1	24.4	17.1	11.0	13.4	13.4	12.2	13.4
72.5°	268.8	127.0	34.2	24.4	17.1	11.0	6.1	4.9	2.4	0.0	1.2
75°	30.5	24.4	22.0	17.1	11.0	4.9	1.2	0.0	0.0	0.0	0.0
77.5°	18.3	20.8	20.8	17.1	11.0	3.7	0.0	0.0	0.0	0.0	0.0
80°	14.7	15.9	17.1	15.9	9.8	4.9	0.0	0.0	0.0	0.0	0.0
82.5°	18.3	20.8	23.2	20.8	13.4	6.1	2.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	3.7	1.2	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: P527637

CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3
2.5°	2677.7	2650.9	2688.7	2632.5	2631.3	2632.5	2616.7	2602.0	2625.2	2687.5	2693.6
5°	2043.7	2101.1	2119.5	2179.3	2146.3	2097.5	2107.2	2074.3	2154.9	2190.3	2162.2
7.5°	1487.9	1484.2	1607.6	1614.9	1630.8	1632.0	1629.6	1564.9	1498.9	1513.6	1557.5
10°	1154.4	1092.1	1152.0	1145.9	1184.9	1174.0	1189.8	1120.2	1143.4	1143.4	1171.5
12.5°	940.6	874.7	863.7	847.8	863.7	869.8	875.9	862.4	901.5	919.9	939.4
15°	718.3	681.6	671.9	641.3	646.2	663.3	678.0	684.1	671.9	700.0	702.4
17.5°	521.6	520.4	526.5	525.3	520.4	516.7	515.5	499.6	494.7	497.2	507.0
20°	395.8	405.6	426.3	447.1	458.1	444.7	426.3	399.5	388.5	390.9	392.1
22.5°	338.4	353.0	381.1	404.3	415.3	390.9	357.9	334.7	329.8	328.6	327.4
25°	306.6	323.7	344.5	351.8	350.6	335.9	311.5	301.7	299.3	296.8	285.9
27.5°	289.5	295.6	299.3	307.8	311.5	301.7	295.6	281.0	278.5	278.5	271.2
30°	279.7	276.1	281.0	274.9	279.7	272.4	273.6	273.6	267.5	270.0	270.0
32.5°	260.2	261.4	261.4	249.2	252.9	244.3	252.9	260.2	261.4	262.6	272.4
35°	190.6	212.6	223.6	223.6	227.2	221.1	219.9	211.3	200.3	189.3	184.5
37.5°	167.4	175.9	190.6	199.1	205.2	200.3	189.3	175.9	169.8	164.9	160.0
40°	149.0	156.4	166.1	175.9	188.1	182.0	164.9	158.8	151.5	151.5	146.6
42.5°	134.4	138.0	144.1	158.8	172.2	160.0	147.8	142.9	139.3	138.0	136.8
45°	120.9	122.2	128.3	140.5	156.4	144.1	131.9	125.8	127.0	128.3	127.0
47.5°	108.7	111.2	114.8	129.5	139.3	133.2	119.7	116.1	116.1	116.1	117.3
50°	94.1	100.2	107.5	119.7	127.0	123.4	112.4	107.5	105.1	105.1	106.3
52.5°	84.3	89.2	98.9	113.6	123.4	117.3	106.3	98.9	94.1	92.8	95.3
55°	73.3	81.8	97.7	108.7	122.2	116.1	103.8	95.3	86.7	85.5	85.5
57.5°	66.0	79.4	94.1	107.5	118.5	113.6	103.8	92.8	81.8	80.6	80.6
60°	62.3	77.0	91.6	103.8	118.5	111.2	102.6	90.4	78.2	78.2	77.0
62.5°	58.6	72.1	86.7	98.9	113.6	107.5	98.9	86.7	74.5	74.5	72.1
65°	48.9	62.3	72.1	83.1	98.9	92.8	84.3	75.7	66.0	63.5	64.7
67.5°	34.2	42.8	52.5	63.5	73.3	70.9	67.2	61.1	52.5	51.3	50.1
70°	17.1	23.2	31.8	42.8	51.3	48.9	46.4	41.5	36.6	35.4	35.4
72.5°	2.4	7.3	13.4	19.5	26.9	28.1	26.9	25.7	24.4	23.2	24.4
75°	0.0	0.0	0.0	4.9	11.0	13.4	15.9	18.3	18.3	15.9	19.5
77.5°	0.0	0.0	0.0	0.0	1.2	6.1	12.2	15.9	19.5	17.1	23.2
80°	0.0	0.0	0.0	0.0	1.2	7.3	12.2	17.1	19.5	17.1	24.4
82.5°	0.0	0.0	0.0	0.0	1.2	8.6	12.2	15.9	18.3	17.1	22.0
85°	0.0	0.0	0.0	0.0	3.7	7.3	4.9	2.4	1.2	1.2	3.7
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: P527637

CATALOG NUMBER: GALN-SA2C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3	3149.3
2.5°	2727.8	2814.5	2907.4	2942.8	3052.8	3135.8	3192.0	3313.0	3331.3	3332.5
5°	2191.5	2235.5	2394.3	2468.8	2632.5	2759.6	2895.2	3090.6	3221.3	3231.1
7.5°	1557.5	1679.7	1746.9	1941.1	2142.7	2341.8	2543.4	2770.6	2922.0	2925.7
10°	1253.4	1332.8	1452.5	1597.8	1767.6	1970.4	2239.2	2503.0	2657.0	2694.8
12.5°	1009.0	1148.3	1285.1	1435.4	1564.9	1717.6	2007.1	2358.9	2485.9	2561.7
15°	776.9	904.0	1065.2	1241.1	1387.7	1591.7	1921.6	2323.5	2537.2	2562.9
17.5°	572.9	686.5	835.6	1001.7	1221.6	1511.1	1936.2	2503.0	2704.6	2747.4
20°	411.7	477.6	594.9	787.9	1067.7	1417.0	1950.9	2685.1	2991.7	3065.0
22.5°	326.2	353.0	430.0	601.0	895.4	1318.1	2054.7	3033.2	3386.3	3492.5
25°	283.4	298.1	334.7	474.0	786.7	1308.3	2220.9	3451.0	3911.5	3988.5
27.5°	273.6	276.1	307.8	434.9	728.1	1243.6	2284.4	3747.8	4238.9	4317.1
30°	288.3	327.4	329.8	367.7	619.3	1115.3	2317.4	4034.9	4516.2	4573.6
32.5°	249.2	237.0	245.5	284.6	544.8	1040.8	2379.7	4285.3	4832.6	4872.9
35°	173.5	182.0	201.6	246.8	476.4	962.6	2395.5	4561.4	5133.1	5174.7
37.5°	160.0	164.9	180.8	210.1	419.0	918.6	2373.6	4763.0	5444.6	5502.1
40°	149.0	155.1	163.7	190.6	376.3	869.8	2343.0	4945.0	5635.2	5776.9
42.5°	140.5	145.4	152.7	182.0	339.6	820.9	2300.3	5201.5	5806.2	5929.6
45°	130.7	138.0	146.6	177.1	318.8	787.9	2268.5	5185.7	5905.2	5971.1
47.5°	120.9	133.2	142.9	164.9	312.7	772.0	2281.9	5125.8	5824.6	5779.4
50°	111.2	127.0	144.1	136.8	298.1	740.3	2297.8	5207.6	5632.8	5624.2
52.5°	102.6	120.9	134.4	112.4	265.1	709.7	2451.7	5315.1	5768.4	5654.8
55°	90.4	108.7	107.5	90.4	215.0	686.5	2572.7	5317.6	5676.7	5719.5
57.5°	81.8	96.5	84.3	75.7	158.8	574.1	2376.0	4458.8	4859.5	4935.2
60°	75.7	94.1	63.5	59.9	103.8	414.1	2074.3	3453.4	3862.7	4005.6
62.5°	69.6	89.2	50.1	48.9	72.1	294.4	1705.3	2890.3	3328.8	3523.1
65°	61.1	63.5	40.3	37.9	51.3	158.8	1038.4	1990.0	2488.4	2560.5
67.5°	50.1	48.9	33.0	30.5	34.2	77.0	458.1	996.8	1442.7	1563.6
70°	40.3	40.3	28.1	24.4	24.4	35.4	119.7	397.0	652.3	722.0
72.5°	29.3	30.5	22.0	19.5	18.3	17.1	19.5	79.4	171.0	218.7
75°	25.7	26.9	22.0	17.1	13.4	11.0	8.6	7.3	9.8	15.9
77.5°	28.1	28.1	23.2	15.9	12.2	8.6	4.9	2.4	2.4	1.2
80°	35.4	36.6	30.5	20.8	14.7	9.8	6.1	2.4	1.2	1.2
82.5°	37.9	41.5	34.2	25.7	18.3	11.0	6.1	1.2	0.0	0.0
85°	9.8	15.9	26.9	23.2	18.3	11.0	6.1	1.2	0.0	0.0
87.5°	0.0	1.2	3.7	3.7	4.9	4.9	3.7	1.2	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)