

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: P527507

Luminaire Tested: **GALN-SA2C-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527507
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-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 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: 7281 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

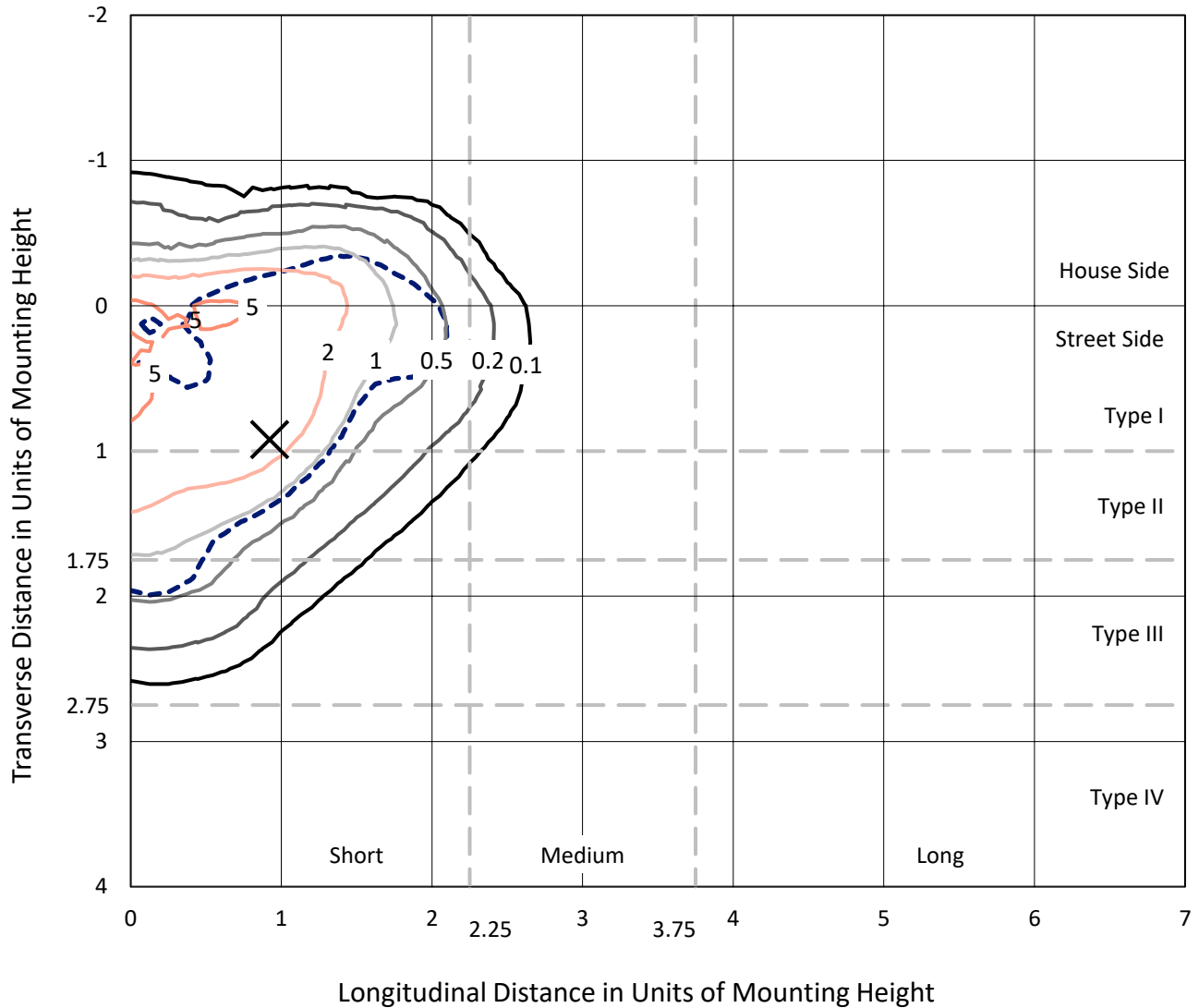
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527507
 CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

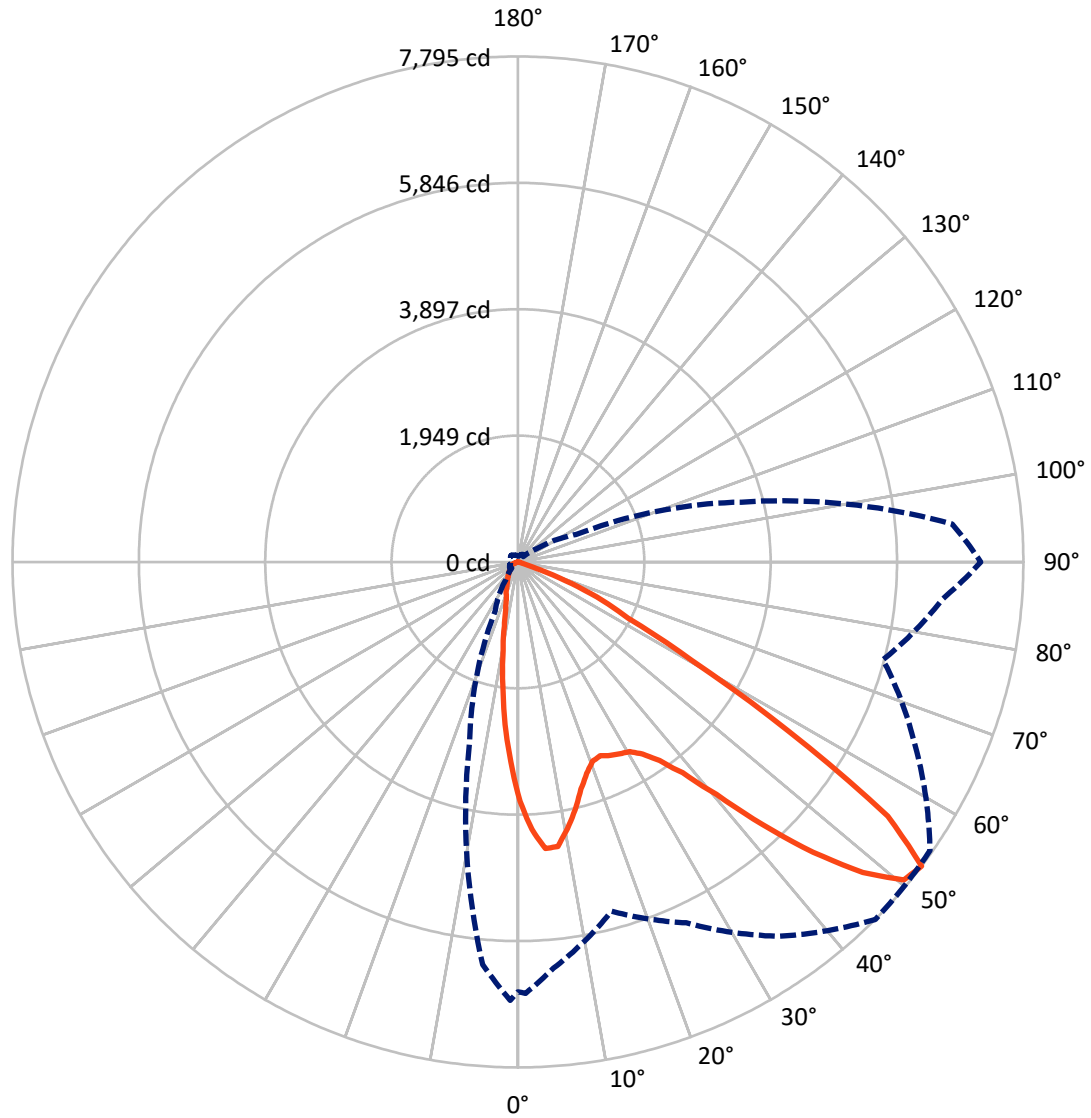
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

REPORT NUMBER: P527507
CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P527507
 CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

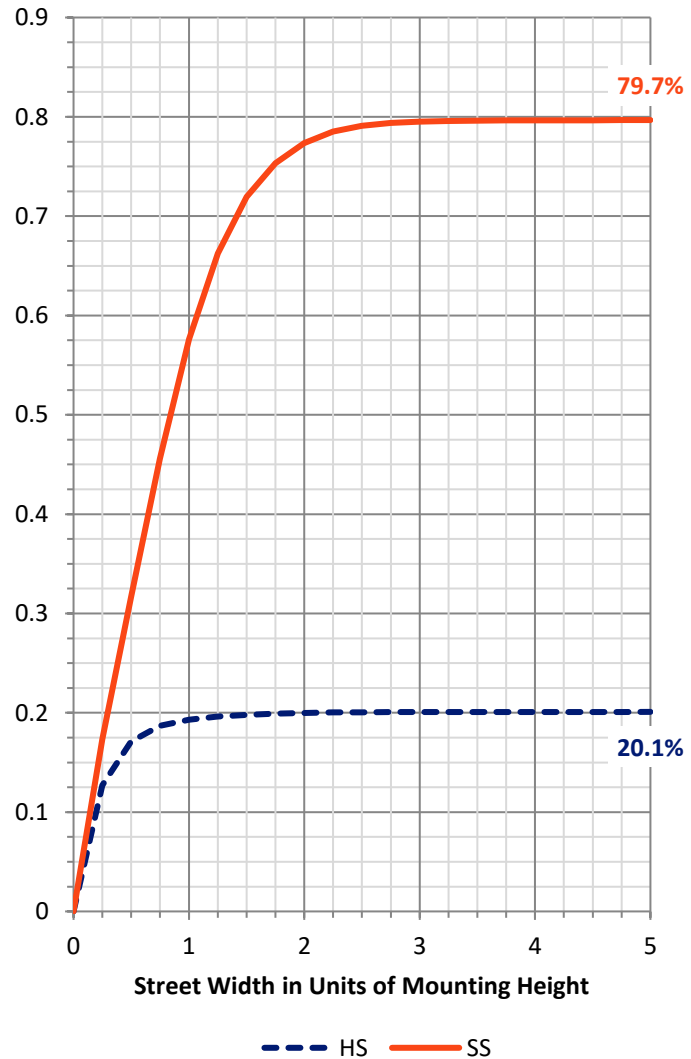
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1477.7	0.0	1477.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5803.3	0.0	5803.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	7281.0	0.0	7281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.2	3.7
10°-20°	531.2	7.3
20°-30°	808.4	11.1
30°-40°	1208.2	16.6
40°-50°	1720.6	23.6
50°-60°	1849.6	25.4
60°-70°	819.6	11.3
70°-80°	66.3	0.9
80°-90°	7.7	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°	7281.0	100.0
0°-180°	7281.0	100.0

Coefficient of Utilization

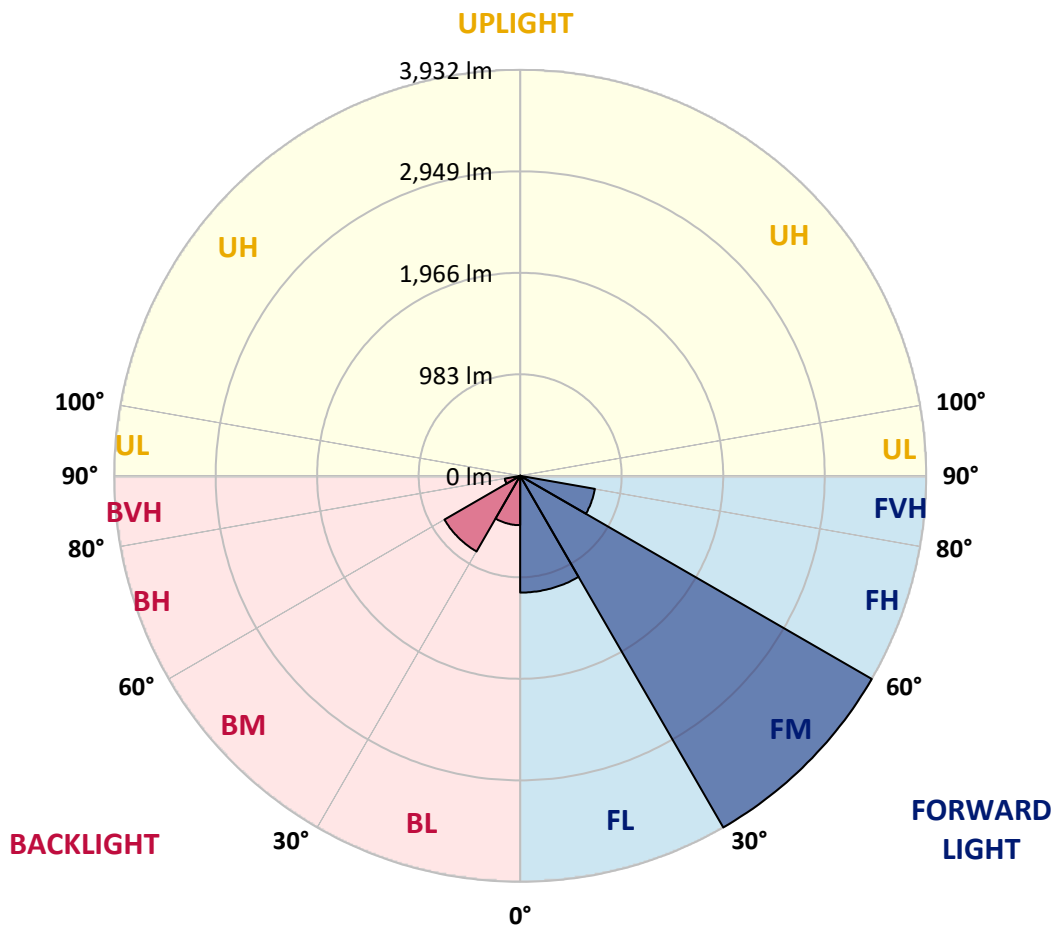


REPORT NUMBER: P527507
 CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.9	15.5			
FM (30°-60°)	3932.0	54.0			
FH (60°-80°)	734.7	10.1			G1/1800
FVH (80°-90°)	5.7	0.1			G0/10
BL (0°-30°)	477.9	6.6	B1/500		
BM (30°-60°)	846.5	11.6	B1/1000		
BH (60°-80°)	151.2	2.1	B1/500		G1/500
BVH (80°-90°)	2.0	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: P527507

CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8
2.5°	3906.6	3918.1	3981.1	4059.8	4101.4	4195.9	4130.0	4147.2	4111.4	3985.4	3886.6
5°	3787.8	3786.3	3866.5	4061.3	4246.0	4433.6	4439.3	4339.1	4162.9	3969.6	3693.2
7.5°	3429.7	3485.6	3568.6	3879.4	4221.7	4362.0	4429.3	4311.9	4041.2	3764.8	3465.5
10°	3159.1	3187.7	3328.1	3703.3	3953.9	4141.5	4183.0	4115.7	3908.0	3562.9	3227.8
12.5°	3003.0	3017.3	3182.0	3497.0	3762.0	3900.9	3920.9	3952.4	3803.5	3479.9	3077.5
15°	3004.4	3015.9	3237.8	3501.3	3605.9	3568.6	3634.5	3633.1	3697.5	3464.1	3203.5
17.5°	3220.7	3233.6	3434.0	3564.4	3518.5	3431.2	3426.9	3492.8	3628.8	3660.3	3393.9
20°	3593.0	3623.1	3770.6	3763.4	3505.6	3329.5	3280.8	3330.9	3647.4	3826.4	3777.7
22.5°	4094.2	4135.7	4238.8	4041.2	3564.4	3260.8	3245.0	3342.4	3770.6	4197.3	4213.1
25°	4675.6	4745.8	4795.9	4542.4	3773.4	3379.6	3305.2	3472.7	3936.7	4599.7	4767.3
27.5°	5060.8	5133.9	5122.4	4760.1	3913.8	3411.1	3348.1	3504.2	4081.3	4695.7	5056.5
30°	5361.6	5406.0	5486.2	4877.5	4054.1	3499.9	3392.5	3637.4	4128.6	4861.8	5406.0
32.5°	5712.4	5742.5	5748.2	5085.2	4270.4	3611.6	3530.0	3803.5	4337.7	5020.7	5715.3
35°	6066.1	6110.5	6017.4	5341.5	4403.5	3819.3	3759.1	4091.3	4505.2	5185.4	6056.1
37.5°	6449.9	6472.8	6258.0	5447.5	4594.0	4157.2	4124.3	4402.1	4795.9	5483.3	6434.2
40°	6772.1	6793.6	6514.4	5577.8	4794.5	4629.8	4714.3	4995.0	5191.2	5676.6	6623.2
42.5°	6951.1	7001.3	6600.3	5506.2	5196.9	5165.4	5540.6	5639.4	5649.4	5731.0	6792.2
45°	6999.8	6976.9	6458.5	5564.9	5549.2	6046.1	6386.9	6517.2	6104.8	5831.3	6835.1
47.5°	6775.0	6805.1	6249.4	5513.4	6011.7	6713.4	7154.5	7396.5	6444.2	5743.9	6729.2
50°	6593.1	6554.5	6182.1	5476.1	6136.3	7028.5	7708.7	7763.1	6756.4	5851.3	6613.2
52.5°	6628.9	6653.3	6289.5	5574.9	6139.2	7047.1	7794.6	7757.4	6766.4	5827.0	6571.6
55°	6704.8	6597.4	6243.7	5357.3	5728.2	6527.2	6918.2	6860.9	6245.1	5567.8	6470.0
57.5°	5785.5	5951.6	5741.1	4783.0	4701.4	4917.6	4910.5	5086.6	4658.4	4791.6	5890.0
60°	4695.7	4724.3	4803.1	4091.3	3253.6	3179.1	3076.0	2964.3	3134.7	4097.1	5357.3
62.5°	4130.0	4095.6	4376.3	3721.9	2297.0	1923.2	1906.0	1974.8	2418.7	3908.0	5025.0
65°	3001.6	3044.5	3247.9	2888.4	1724.2	1467.8	1442.1	1645.4	1957.6	3131.9	3835.0
67.5°	1833.0	1916.1	1934.7	1781.5	1170.0	929.4	892.2	1076.9	1413.4	2026.3	2248.3
70°	846.3	946.6	1041.1	972.4	677.4	382.4	360.9	452.5	713.2	1165.7	1192.9
72.5°	256.3	257.8	360.9	376.6	219.1	85.9	75.9	100.2	242.0	385.2	405.3
75°	18.6	20.0	48.7	55.8	41.5	21.5	22.9	27.2	51.6	85.9	64.4
77.5°	1.4	1.4	1.4	7.2	12.9	14.3	18.6	21.5	27.2	31.5	28.6
80°	1.4	0.0	1.4	5.7	10.0	14.3	17.2	20.0	21.5	24.3	21.5
82.5°	0.0	0.0	0.0	4.3	10.0	14.3	15.8	21.5	24.3	28.6	24.3
85°	0.0	0.0	0.0	4.3	10.0	15.8	14.3	7.2	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: P527507

CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8
2.5°	3903.7	3847.9	3720.4	3656.0	3504.2	3482.7	3333.8	3309.5	3259.3	3232.1	3166.2
5°	3571.5	3504.2	3296.6	3121.9	2918.5	2776.7	2667.9	2569.1	2511.8	2458.8	2483.2
7.5°	3300.9	3104.7	2874.1	2582.0	2347.1	2195.3	2029.2	1893.2	1813.0	1758.5	1771.4
10°	3017.3	2889.9	2569.1	2241.1	1957.6	1850.2	1719.9	1615.3	1502.2	1404.8	1359.0
12.5°	2928.5	2739.5	2337.1	2003.4	1788.6	1684.1	1535.1	1414.9	1270.2	1151.4	1109.8
15°	2944.3	2762.4	2274.1	1917.5	1664.0	1483.6	1306.0	1157.1	998.1	915.1	872.1
17.5°	3200.6	2885.6	2315.6	1827.3	1490.8	1240.1	1021.0	832.0	713.2	627.2	608.6
20°	3515.7	3151.9	2404.4	1761.4	1349.0	986.7	746.1	582.8	484.0	469.7	465.4
22.5°	3976.8	3587.3	2594.9	1717.0	1175.7	769.0	511.2	423.9	396.7	393.8	395.2
25°	4621.2	4132.9	2802.5	1679.8	1045.4	592.9	418.2	359.4	350.9	346.6	353.7
27.5°	4900.4	4462.2	2912.8	1599.6	926.5	534.2	412.4	356.6	332.2	325.1	329.4
30°	5245.6	4681.3	3086.1	1462.1	751.8	439.6	385.2	388.1	376.6	340.8	329.4
32.5°	5703.8	4954.9	3173.4	1364.7	671.6	363.7	282.1	259.2	289.3	295.0	305.0
35°	5997.4	5232.7	3217.8	1307.5	630.1	310.8	239.2	217.7	210.5	211.9	217.7
37.5°	6543.0	5607.9	3273.6	1247.3	598.6	270.7	216.2	196.2	186.2	186.2	191.9
40°	6869.5	5905.7	3349.5	1214.4	567.1	246.3	196.2	179.0	170.4	170.4	173.3
42.5°	6951.1	6053.2	3323.8	1202.9	531.3	240.6	179.0	166.1	156.1	154.7	153.2
45°	7097.2	6278.1	3328.1	1190.0	494.1	219.1	169.0	154.7	140.3	138.9	137.5
47.5°	7257.6	6439.9	3336.7	1139.9	458.3	183.3	176.1	143.2	126.0	123.2	123.2
50°	7120.1	6568.8	3411.1	1089.8	412.4	148.9	173.3	134.6	111.7	107.4	108.8
52.5°	7137.3	6720.6	3568.6	1019.6	355.1	118.9	140.3	127.5	101.7	94.5	95.9
55°	6862.3	6560.2	3590.1	945.1	277.8	91.7	107.4	111.7	85.9	83.1	83.1
57.5°	5907.2	5554.9	3167.7	766.1	183.3	75.9	77.3	97.4	74.5	71.6	73.0
60°	5055.1	4459.4	2549.0	505.5	114.6	60.1	55.8	98.8	65.9	64.4	68.7
62.5°	4608.3	3664.6	1933.3	313.6	78.8	45.8	38.7	80.2	57.3	57.3	63.0
65°	3329.5	2461.7	1124.2	164.7	55.8	35.8	28.6	45.8	47.3	48.7	51.6
67.5°	2062.1	1243.0	474.0	80.2	37.2	24.3	18.6	28.6	31.5	31.5	34.4
70°	1018.2	495.5	157.5	45.8	28.6	20.0	12.9	15.8	15.8	14.3	15.8
72.5°	315.0	148.9	40.1	28.6	20.0	12.9	7.2	5.7	2.9	0.0	1.4
75°	35.8	28.6	25.8	20.0	12.9	5.7	1.4	0.0	0.0	0.0	0.0
77.5°	21.5	24.3	24.3	20.0	12.9	4.3	0.0	0.0	0.0	0.0	0.0
80°	17.2	18.6	20.0	18.6	11.5	5.7	0.0	0.0	0.0	0.0	0.0
82.5°	21.5	24.3	27.2	24.3	15.8	7.2	2.9	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	4.3	1.4	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: P527507

CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8
2.5°	3139.0	3107.5	3151.9	3086.1	3084.6	3086.1	3067.4	3050.3	3077.5	3150.5	3157.7
5°	2395.8	2463.1	2484.6	2554.8	2516.1	2458.8	2470.3	2431.6	2526.1	2567.7	2534.7
7.5°	1744.2	1739.9	1884.6	1893.2	1911.8	1913.2	1910.3	1834.4	1757.1	1774.3	1825.9
10°	1353.3	1280.2	1350.4	1343.3	1389.1	1376.2	1394.8	1313.2	1340.4	1340.4	1373.3
12.5°	1102.7	1025.3	1012.5	993.8	1012.5	1019.6	1026.8	1011.0	1056.8	1078.3	1101.2
15°	842.0	799.1	787.6	751.8	757.6	777.6	794.8	801.9	787.6	820.6	823.4
17.5°	611.5	610.1	617.2	615.8	610.1	605.8	604.3	585.7	580.0	582.8	594.3
20°	464.0	475.4	499.8	524.1	537.0	521.3	499.8	468.3	455.4	458.3	459.7
22.5°	396.7	413.9	446.8	474.0	486.9	458.3	419.6	392.4	386.7	385.2	383.8
25°	359.4	379.5	403.8	412.4	411.0	393.8	365.2	353.7	350.9	348.0	335.1
27.5°	339.4	346.6	350.9	360.9	365.2	353.7	346.6	329.4	326.5	326.5	317.9
30°	327.9	323.6	329.4	322.2	327.9	319.3	320.8	320.8	313.6	316.5	316.5
32.5°	305.0	306.5	306.5	292.1	296.4	286.4	296.4	305.0	306.5	307.9	319.3
35°	223.4	249.2	262.1	262.1	266.4	259.2	257.8	247.7	234.9	222.0	216.2
37.5°	196.2	206.2	223.4	233.4	240.6	234.9	222.0	206.2	199.1	193.3	187.6
40°	174.7	183.3	194.8	206.2	220.5	213.4	193.3	186.2	177.6	177.6	171.8
42.5°	157.5	161.8	169.0	186.2	201.9	187.6	173.3	167.5	163.3	161.8	160.4
45°	141.8	143.2	150.4	164.7	183.3	169.0	154.7	147.5	148.9	150.4	148.9
47.5°	127.5	130.3	134.6	151.8	163.3	156.1	140.3	136.0	136.0	136.0	137.5
50°	110.3	117.4	126.0	140.3	148.9	144.6	131.7	126.0	123.2	123.2	124.6
52.5°	98.8	104.5	116.0	133.2	144.6	137.5	124.6	116.0	110.3	108.8	111.7
55°	85.9	95.9	114.6	127.5	143.2	136.0	121.7	111.7	101.7	100.2	100.2
57.5°	77.3	93.1	110.3	126.0	138.9	133.2	121.7	108.8	95.9	94.5	94.5
60°	73.0	90.2	107.4	121.7	138.9	130.3	120.3	106.0	91.7	91.7	90.2
62.5°	68.7	84.5	101.7	116.0	133.2	126.0	116.0	101.7	87.4	87.4	84.5
65°	57.3	73.0	84.5	97.4	116.0	108.8	98.8	88.8	77.3	74.5	75.9
67.5°	40.1	50.1	61.6	74.5	85.9	83.1	78.8	71.6	61.6	60.1	58.7
70°	20.0	27.2	37.2	50.1	60.1	57.3	54.4	48.7	43.0	41.5	41.5
72.5°	2.9	8.6	15.8	22.9	31.5	32.9	31.5	30.1	28.6	27.2	28.6
75°	0.0	0.0	0.0	5.7	12.9	15.8	18.6	21.5	21.5	18.6	22.9
77.5°	0.0	0.0	0.0	0.0	1.4	7.2	14.3	18.6	22.9	20.0	27.2
80°	0.0	0.0	0.0	0.0	1.4	8.6	14.3	20.0	22.9	20.0	28.6
82.5°	0.0	0.0	0.0	0.0	1.4	10.0	14.3	18.6	21.5	20.0	25.8
85°	0.0	0.0	0.0	0.0	4.3	8.6	5.7	2.9	1.4	1.4	4.3
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: P527507

CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8	3691.8
2.5°	3197.8	3299.4	3408.3	3449.8	3578.7	3676.1	3741.9	3883.7	3905.2	3906.6
5°	2569.1	2620.6	2806.8	2894.2	3086.1	3235.0	3393.9	3623.1	3776.3	3787.8
7.5°	1825.9	1969.1	2047.8	2275.5	2511.8	2745.2	2981.5	3247.9	3425.4	3429.7
10°	1469.3	1562.4	1702.7	1873.1	2072.2	2309.9	2624.9	2934.3	3114.7	3159.1
12.5°	1182.9	1346.1	1506.5	1682.6	1834.4	2013.5	2352.8	2765.3	2914.2	3003.0
15°	910.8	1059.7	1248.7	1455.0	1626.8	1866.0	2252.6	2723.7	2974.4	3004.4
17.5°	671.6	804.8	979.5	1174.3	1432.0	1771.4	2269.8	2934.3	3170.5	3220.7
20°	482.6	559.9	697.4	923.7	1251.6	1661.2	2287.0	3147.6	3507.1	3593.0
22.5°	382.4	413.9	504.1	704.6	1049.7	1545.2	2408.7	3555.8	3969.6	4094.2
25°	332.2	349.4	392.4	555.6	922.2	1533.7	2603.5	4045.5	4585.4	4675.6
27.5°	320.8	323.6	360.9	509.8	853.5	1457.8	2677.9	4393.5	4969.2	5060.8
30°	338.0	383.8	386.7	431.0	726.0	1307.5	2716.6	4730.0	5294.3	5361.6
32.5°	292.1	277.8	287.8	333.7	638.7	1220.1	2789.6	5023.6	5665.2	5712.4
35°	203.4	213.4	236.3	289.3	558.5	1128.4	2808.2	5347.2	6017.4	6066.1
37.5°	187.6	193.3	211.9	246.3	491.2	1076.9	2782.5	5583.5	6382.6	6449.9
40°	174.7	181.9	191.9	223.4	441.1	1019.6	2746.7	5796.9	6606.0	6772.1
42.5°	164.7	170.4	179.0	213.4	398.1	962.3	2696.5	6097.6	6806.5	6951.1
45°	153.2	161.8	171.8	207.6	373.8	923.7	2659.3	6079.0	6922.5	6999.8
47.5°	141.8	156.1	167.5	193.3	366.6	905.1	2675.1	6008.9	6828.0	6775.0
50°	130.3	148.9	169.0	160.4	349.4	867.8	2693.7	6104.8	6603.1	6593.1
52.5°	120.3	141.8	157.5	131.7	310.8	832.0	2874.1	6230.8	6762.1	6628.9
55°	106.0	127.5	126.0	106.0	252.0	804.8	3015.9	6233.7	6654.7	6704.8
57.5°	95.9	113.1	98.8	88.8	186.2	673.1	2785.3	5227.0	5696.7	5785.5
60°	88.8	110.3	74.5	70.2	121.7	485.5	2431.6	4048.4	4528.1	4695.7
62.5°	81.6	104.5	58.7	57.3	84.5	345.1	1999.1	3388.2	3902.3	4130.0
65°	71.6	74.5	47.3	44.4	60.1	186.2	1217.2	2332.8	2917.1	3001.6
67.5°	58.7	57.3	38.7	35.8	40.1	90.2	537.0	1168.5	1691.2	1833.0
70°	47.3	47.3	32.9	28.6	28.6	41.5	140.3	465.4	764.7	846.3
72.5°	34.4	35.8	25.8	22.9	21.5	20.0	22.9	93.1	200.5	256.3
75°	30.1	31.5	25.8	20.0	15.8	12.9	10.0	8.6	11.5	18.6
77.5°	32.9	32.9	27.2	18.6	14.3	10.0	5.7	2.9	2.9	1.4
80°	41.5	43.0	35.8	24.3	17.2	11.5	7.2	2.9	1.4	1.4
82.5°	44.4	48.7	40.1	30.1	21.5	12.9	7.2	1.4	0.0	0.0
85°	11.5	18.6	31.5	27.2	21.5	12.9	7.2	1.4	0.0	0.0
87.5°	0.0	1.4	4.3	4.3	5.7	5.7	4.3	1.4	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)