

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: P530733

Luminaire Tested: **GALN-SA6A-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12538 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

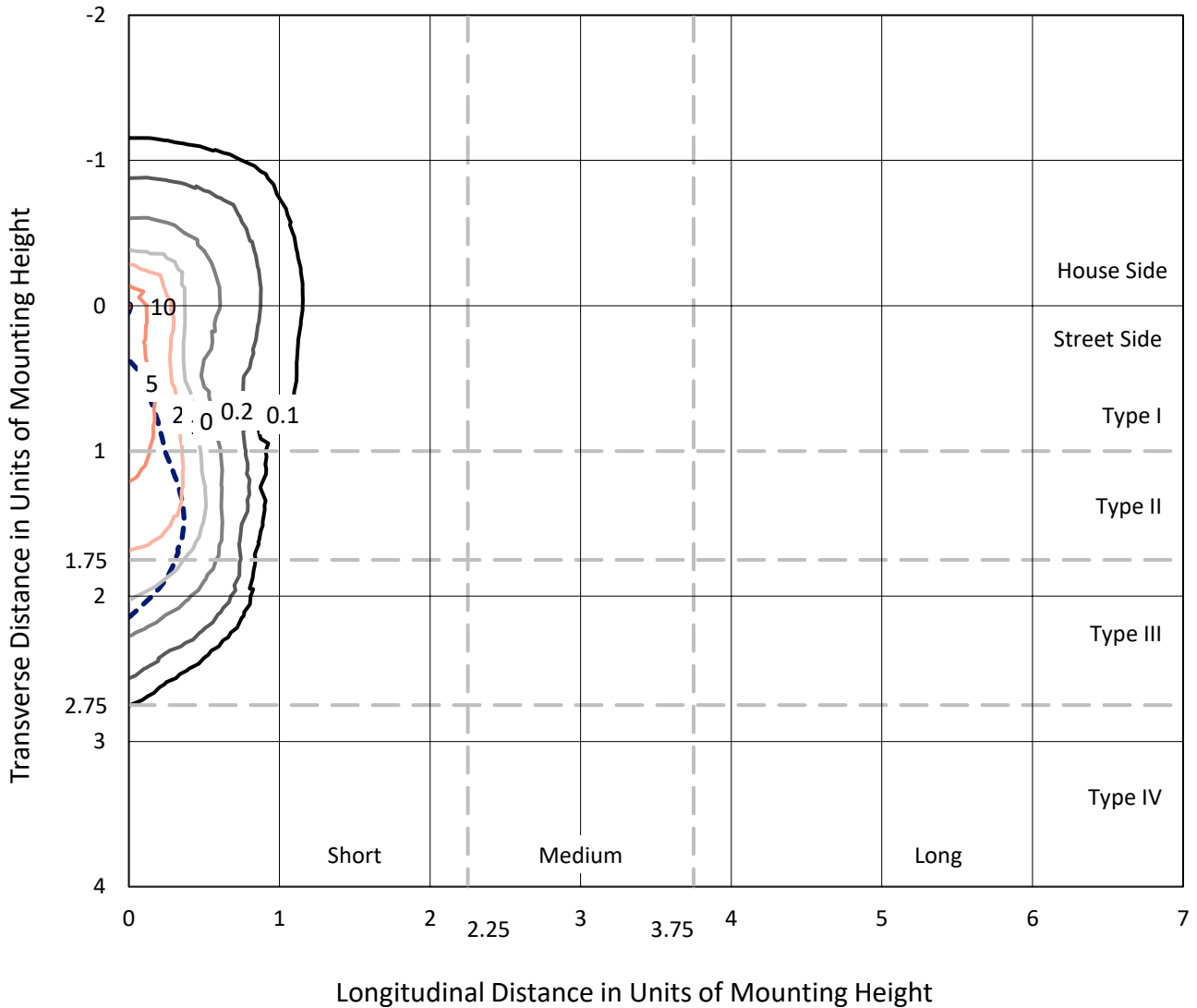
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530733
 CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

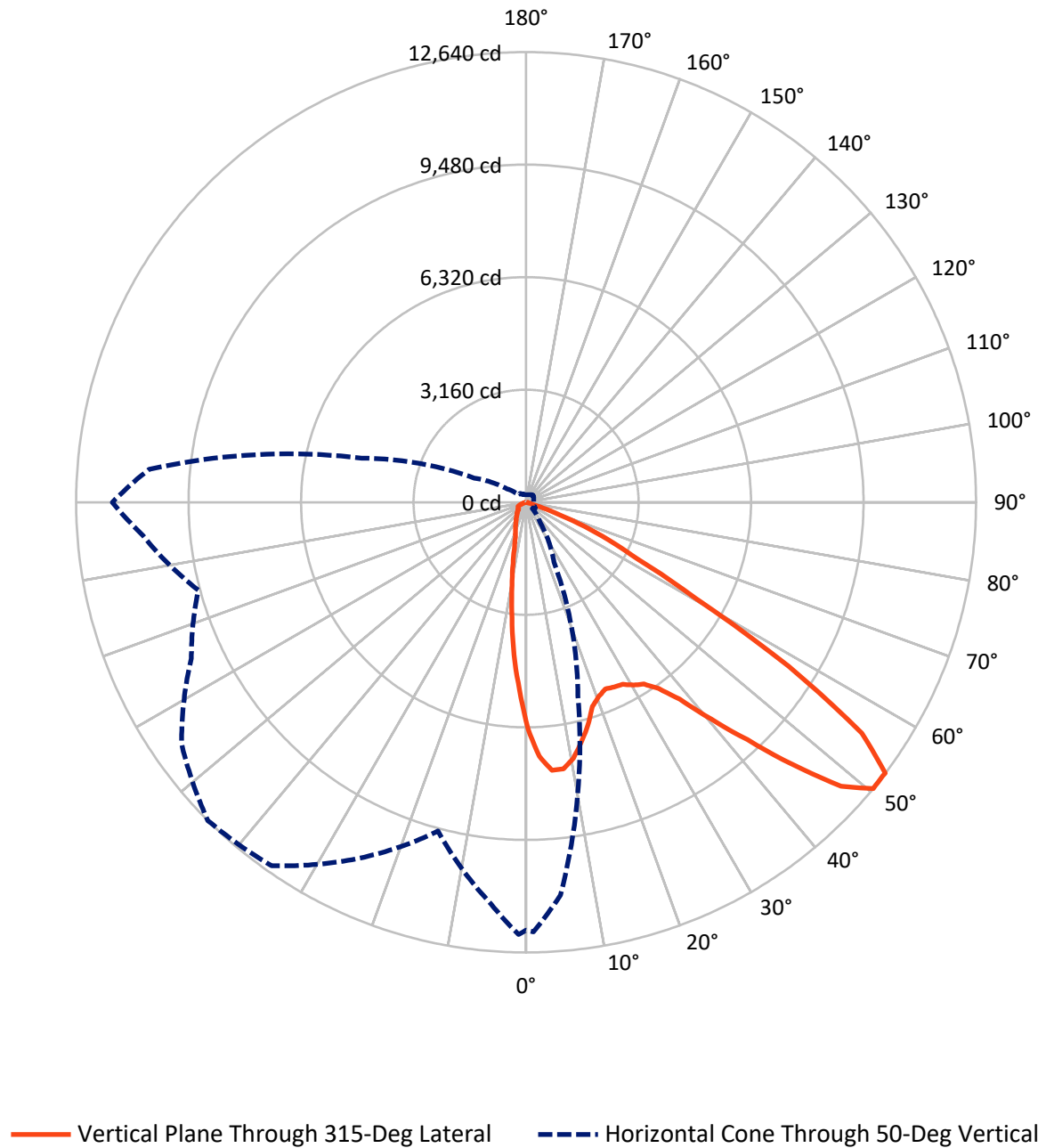
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Short - N/A

REPORT NUMBER: P530733
CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P530733
 CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2511.4	0.0	2511.4
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	10026.6	0.0	10026.6
	% Fixture	80.0	0.0	80.0
Total	Lumens	12538.0	0.0	12538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.5	3.7
10°-20°	921.1	7.3
20°-30°	1383.8	11.0
30°-40°	2077.0	16.6
40°-50°	2919.1	23.3
50°-60°	3148.7	25.1
60°-70°	1462.0	11.7
70°-80°	137.6	1.1
80°-90°	25.4	0.2
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°	12538.0	100.0
0°-180°	12538.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530733

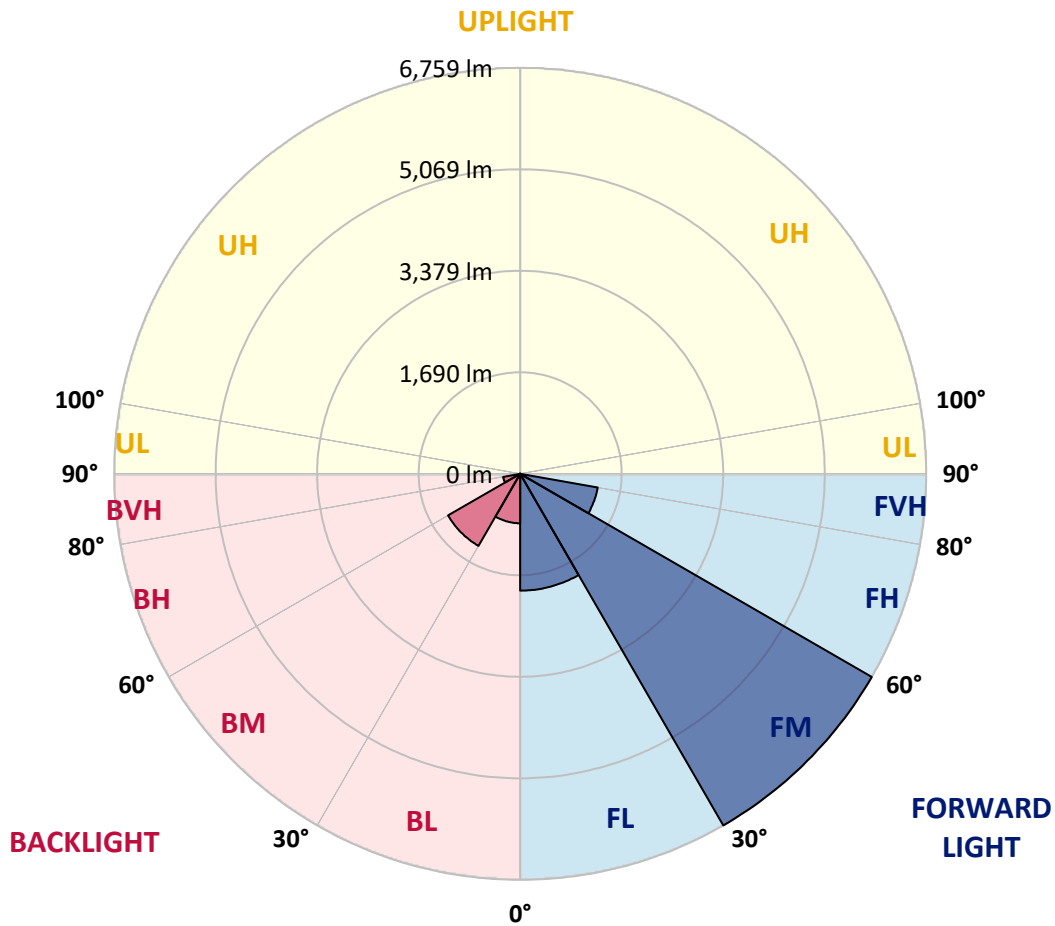
CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1945.2	15.5			
FM (30°-60°)	6758.9	53.9			
FH (60°-80°)	1311.1	10.5			G1/1800
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	823.2	6.6	B2/1000		
BM (30°-60°)	1385.9	11.1	B2/2500		
BH (60°-80°)	288.4	2.3	B1/500		G1/500
BVH (80°-90°)	13.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





REPORT NUMBER: P530733

CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3
2.5°	6609.6	6507.6	6378.2	6271.3	6112.1	5791.2	5704.1	5599.6	5512.6	5395.6	5231.5
5°	6010.1	5977.7	5918.0	5515.0	5224.0	4835.9	4517.5	4383.2	4206.6	4062.3	3957.8
7.5°	5552.4	5423.0	5233.9	4828.5	4363.3	3947.8	3594.6	3388.1	3154.3	3074.7	2932.9
10°	5062.3	5092.1	4813.5	4243.9	3681.7	3345.8	3126.9	2927.9	2716.5	2577.2	2375.7
12.5°	4905.6	4808.6	4594.6	3890.6	3410.5	3097.1	2830.9	2584.6	2360.7	2136.9	1942.8
15°	5007.6	4858.3	4559.8	3816.0	3201.6	2811.0	2477.7	2144.3	1937.9	1651.8	1450.3
17.5°	5373.3	5253.8	4853.3	3895.6	3094.6	2537.4	2042.3	1699.0	1383.1	1124.4	1022.4
20°	5982.7	5813.6	5311.1	3997.6	2935.4	2206.5	1656.8	1233.9	935.3	825.9	768.7
22.5°	6579.7	6487.7	5853.4	4194.1	2793.6	1913.0	1243.8	830.9	699.0	679.1	641.8
25°	7716.6	7440.5	6681.7	4549.8	2684.1	1636.9	937.8	669.2	592.1	577.1	582.1
27.5°	8393.2	8161.9	7447.9	4786.2	2562.2	1425.4	793.5	614.4	562.2	529.9	517.4
30°	9042.5	8773.8	7828.5	4925.5	2301.0	1201.5	704.0	589.6	577.1	529.9	514.9
32.5°	9542.5	9278.8	8378.3	5134.4	2194.1	1057.2	579.6	460.2	427.9	422.9	467.7
35°	10308.7	10027.6	8848.5	5248.9	2112.0	982.6	502.5	410.5	373.1	358.2	360.7
37.5°	11022.6	10831.1	9283.8	5293.6	2024.9	960.2	450.3	368.2	335.8	325.9	323.4
40°	11619.7	11191.8	9696.7	5340.9	1987.6	917.9	417.9	335.8	313.4	298.5	298.5
42.5°	11893.3	11458.0	10159.4	5313.5	1977.7	850.8	417.9	308.5	291.1	276.1	273.6
45°	11833.6	11657.0	10365.9	5301.1	1977.7	783.6	380.6	301.0	276.1	256.2	251.2
47.5°	11987.8	11756.5	10624.6	5353.3	1937.9	736.3	320.9	315.9	261.2	236.3	231.3
50°	12015.2	12060.0	11074.9	5624.5	1850.8	676.6	251.2	311.0	251.2	213.9	209.0
52°	12194.3	11915.7	11211.7	5768.8	1758.7	631.9	211.4	266.2	241.3	199.0	194.0
52.5°	11948.0	12129.6	11244.0	5821.0	1768.7	602.0	204.0	261.2	236.3	199.0	186.6
55°	11671.9	11846.0	11112.2	5933.0	1621.9	472.6	159.2	189.1	213.9	174.1	166.7
57.5°	10144.5	10321.1	9656.9	5433.0	1320.9	333.3	131.8	141.8	189.1	161.7	154.2
60°	9017.6	8890.7	8104.7	4532.4	937.8	186.6	104.5	109.5	206.5	149.3	146.8
62.5°	8241.5	7970.3	6773.8	3500.1	572.2	124.4	82.1	84.6	159.2	139.3	139.3
65°	6097.1	5793.7	4500.1	2117.0	281.1	87.1	62.2	67.2	99.5	119.4	119.4
67.5°	3480.2	3363.3	2174.2	955.2	116.9	54.7	47.3	52.2	77.1	97.0	92.0
70°	1599.5	1435.4	835.8	201.5	54.7	37.3	37.3	42.3	62.2	72.1	67.2
72.5°	467.7	442.8	204.0	32.3	22.4	22.4	24.9	32.3	47.3	54.7	49.8
75°	34.8	22.4	14.9	10.0	10.0	14.9	19.9	32.3	47.3	52.2	42.3
77.5°	2.5	5.0	2.5	2.5	7.5	14.9	22.4	39.8	62.2	64.7	47.3
80°	2.5	2.5	0.0	2.5	7.5	14.9	24.9	44.8	69.7	74.6	39.8
82.5°	0.0	0.0	0.0	2.5	10.0	19.9	29.9	47.3	64.7	79.6	42.3
85°	0.0	0.0	0.0	2.5	14.9	27.4	34.8	12.4	7.5	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: P530733

CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3
2.5°	5348.4	5283.7	5258.8	5281.2	5273.7	5266.3	5403.1	5373.3	5368.3	5413.1	5403.1
5°	4015.0	3900.6	4214.0	4087.2	4219.0	4298.6	4313.5	4321.0	4413.0	4316.0	4442.9
7.5°	2860.8	2890.6	2888.1	2972.7	3124.4	3258.8	3338.4	3276.2	3271.2	3258.8	3204.0
10°	2286.1	2233.9	2223.9	2204.0	2251.3	2365.7	2462.7	2385.6	2330.9	2405.5	2383.1
12.5°	1868.2	1796.1	1756.3	1676.7	1679.1	1756.3	1756.3	1756.3	1811.0	1853.3	1885.6
15°	1432.9	1373.2	1373.2	1293.6	1276.1	1278.6	1318.4	1323.4	1410.5	1435.4	1447.8
17.5°	1002.5	970.2	1007.5	1039.8	1019.9	1024.9	1039.8	1044.8	1057.2	1047.3	1072.2
20°	771.2	766.2	776.1	833.4	875.6	900.5	883.1	858.2	843.3	808.5	808.5
22.5°	654.2	664.2	681.6	728.9	783.6	798.5	778.6	721.4	676.6	671.7	674.1
25°	582.1	592.1	619.4	649.3	679.1	704.0	684.1	641.8	616.9	594.5	594.5
27.5°	537.3	542.3	557.2	579.6	604.5	624.4	616.9	594.5	567.2	557.2	534.8
30°	502.5	510.0	527.4	532.3	554.7	564.7	552.3	547.3	529.9	517.4	510.0
32.5°	485.1	482.6	495.0	500.0	502.5	510.0	495.0	502.5	500.0	480.1	472.6
35°	365.7	385.6	417.9	445.3	452.7	462.7	460.2	450.3	422.9	400.5	373.1
37.5°	328.4	340.8	358.2	380.6	410.5	422.9	417.9	393.0	360.7	345.8	340.8
40°	303.5	311.0	325.9	340.8	370.7	393.0	375.6	353.2	328.4	315.9	308.5
42.5°	281.1	283.6	291.1	306.0	328.4	363.2	333.3	303.5	293.5	286.1	281.1
45°	256.2	256.2	266.2	273.6	298.5	330.9	301.0	273.6	268.7	263.7	261.2
47.5°	236.3	238.8	243.8	253.7	273.6	296.0	276.1	253.7	241.3	238.8	233.8
50°	211.4	213.9	223.9	233.8	258.7	271.2	258.7	233.8	221.4	213.9	213.9
52°	191.5	199.0	209.0	228.9	246.3	266.2	251.2	223.9	209.0	201.5	196.5
52.5°	189.1	194.0	204.0	226.4	246.3	263.7	248.8	221.4	204.0	199.0	194.0
55°	169.2	176.6	194.0	221.4	243.8	263.7	243.8	218.9	194.0	181.6	176.6
57.5°	161.7	166.7	189.1	223.9	241.3	263.7	243.8	218.9	194.0	171.6	166.7
60°	154.2	164.2	189.1	216.4	238.8	266.2	246.3	216.4	189.1	161.7	161.7
62.5°	146.8	154.2	186.6	211.4	228.9	256.2	236.3	211.4	181.6	154.2	151.7
65°	126.9	139.3	164.2	176.6	196.5	221.4	201.5	184.1	159.2	136.8	134.3
67.5°	97.0	102.0	121.9	136.8	149.3	171.6	161.7	139.3	121.9	104.5	104.5
70°	67.2	72.1	87.1	94.5	107.0	119.4	111.9	94.5	82.1	72.1	69.7
72.5°	47.3	49.8	54.7	59.7	64.7	69.7	67.2	54.7	47.3	44.8	42.3
75°	37.3	42.3	44.8	42.3	39.8	37.3	37.3	32.3	27.4	24.9	24.9
77.5°	37.3	39.8	37.3	32.3	27.4	24.9	22.4	19.9	14.9	12.4	14.9
80°	32.3	32.3	32.3	27.4	24.9	22.4	19.9	17.4	14.9	12.4	12.4
82.5°	34.8	34.8	32.3	27.4	27.4	22.4	22.4	19.9	17.4	12.4	12.4
85°	0.0	0.0	0.0	5.0	12.4	22.4	22.4	19.9	17.4	14.9	14.9
87.5°	0.0	0.0	0.0	0.0	2.5	5.0	10.0	12.4	14.9	14.9	14.9
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: P530733

CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3
2.5°	5492.7	5587.2	5766.3	5945.4	6054.9	6184.2	6418.0	6542.4	6704.1	6783.7	6940.4
5°	4425.5	4649.4	4729.0	4932.9	5151.9	5370.8	5719.0	6102.1	6420.5	6639.4	6923.0
7.5°	3228.9	3281.2	3589.6	3726.4	4084.7	4482.7	4957.8	5440.4	5843.4	6201.6	6418.0
10°	2420.5	2612.0	2806.0	3067.2	3355.8	3766.3	4221.5	4753.8	5276.2	5634.5	5908.1
12.5°	1945.3	2097.1	2355.8	2636.9	2992.6	3263.8	3721.5	4248.8	4925.5	5276.2	5636.9
15°	1472.7	1666.7	1960.2	2251.3	2626.9	2913.0	3375.7	4039.9	4910.6	5393.2	5704.1
17.5°	1092.1	1223.9	1487.6	1813.5	2196.6	2599.6	3224.0	4017.5	5077.2	5651.9	5972.8
20°	835.8	880.6	1047.3	1338.3	1753.8	2281.1	2977.7	4114.5	5569.8	6281.2	6607.1
22.5°	676.6	696.5	761.2	962.7	1365.7	2002.5	2860.8	4181.7	6124.5	7035.0	7470.3
25°	589.6	584.6	626.9	713.9	1067.2	1741.3	2711.5	4435.4	6803.6	7920.6	8311.1
27.5°	537.3	537.3	557.2	619.4	885.6	1572.2	2617.0	4617.0	7487.7	8699.2	8910.6
30°	510.0	514.9	572.2	592.1	736.3	1370.7	2460.3	4801.1	8142.0	9196.7	9487.8
32.5°	472.6	452.7	440.3	490.1	619.4	1189.1	2303.5	4878.2	8671.8	9806.2	10054.9
35°	363.2	353.2	368.2	405.5	532.3	1034.8	2129.4	4965.3	9281.3	10512.7	10562.4
37.5°	328.4	325.9	335.8	368.2	447.8	900.5	2005.0	4942.9	9746.5	11097.3	10962.9
40°	303.5	303.5	311.0	338.3	400.5	806.0	1875.7	4923.0	10196.7	11754.0	11360.9
42.5°	283.6	283.6	296.0	313.4	380.6	743.8	1778.6	4895.6	10574.9	12157.0	11594.8
45°	256.2	263.7	283.6	301.0	385.6	701.5	1706.5	4791.1	10704.2	12152.0	11482.8
47.5°	236.3	246.3	266.2	291.1	348.3	689.1	1656.8	4699.1	10659.4	11853.5	11132.1
50°	213.9	226.4	253.7	296.0	296.0	664.2	1604.5	4781.2	10627.1	11622.1	10796.3
52°	199.0	209.0	243.8	288.6	258.7	612.0	1572.2	4940.4	10758.9	11592.3	10647.0
52.5°	196.5	204.0	236.3	283.6	246.3	602.0	1549.8	4977.7	10801.2	11517.7	10749.0
55°	174.1	184.1	216.4	221.4	201.5	495.0	1477.6	5062.3	10592.3	11370.9	10652.0
57.5°	164.2	169.2	191.5	181.6	174.1	373.1	1271.2	4930.5	9408.2	10099.7	9910.7
60°	151.7	156.7	179.1	141.8	146.8	261.2	955.2	4281.2	7554.9	8415.6	8756.4
62.5°	146.8	144.3	169.2	114.4	124.4	189.1	674.1	3480.2	5821.0	6928.0	7517.6
65°	129.4	126.9	121.9	97.0	107.0	146.8	403.0	2271.2	4102.1	5241.4	5564.8
67.5°	99.5	104.5	89.6	77.1	89.6	114.4	223.9	1017.4	2151.8	3144.3	3405.5
70°	69.7	74.6	72.1	67.2	79.6	94.5	129.4	348.3	890.6	1651.8	1820.9
72.5°	42.3	52.2	54.7	57.2	69.7	82.1	92.0	111.9	236.3	584.6	726.4
75°	24.9	34.8	42.3	49.8	57.2	69.7	77.1	79.6	82.1	109.5	176.6
77.5°	17.4	24.9	37.3	47.3	57.2	69.7	82.1	87.1	82.1	77.1	82.1
80°	14.9	24.9	34.8	44.8	59.7	72.1	82.1	82.1	79.6	69.7	74.6
82.5°	14.9	24.9	37.3	47.3	57.2	69.7	79.6	82.1	74.6	69.7	72.1
85°	17.4	27.4	39.8	49.8	62.2	57.2	52.2	42.3	39.8	32.3	34.8
87.5°	17.4	24.9	24.9	27.4	29.9	29.9	29.9	27.4	22.4	19.9	19.9
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: P530733

CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3	6358.3
2.5°	6947.9	7146.9	7139.5	7144.4	7114.6	6913.1	6816.1	6569.8	6639.4	6609.6
5°	7214.1	7410.6	7579.8	7559.9	7331.0	7057.4	6651.9	6268.8	6164.3	6010.1
7.5°	6947.9	7420.6	7577.3	7554.9	7216.6	6865.8	6219.0	5835.9	5654.4	5552.4
10°	6525.0	7072.3	7266.3	7306.1	7077.3	6544.9	5950.4	5335.9	5238.9	5062.3
12.5°	6283.7	6681.7	6801.1	6908.1	6828.5	6430.5	5746.4	5156.8	5022.5	4905.6
15°	6087.2	6323.5	6373.3	6495.2	6542.4	6328.5	5853.4	5350.9	5020.0	5007.6
17.5°	6268.8	6171.8	5990.2	6027.5	6176.8	6331.0	6129.5	5734.0	5413.1	5373.3
20°	6569.8	6141.9	5731.5	5823.5	5947.9	6420.5	6547.4	6268.8	6084.7	5982.7
22.5°	6915.6	6194.2	5649.4	5694.2	5930.5	6622.0	7224.0	7069.8	6726.5	6579.7
25°	7554.9	6338.4	5714.1	5743.9	6067.3	6903.1	7836.0	7950.4	7746.4	7716.6
27.5°	8179.3	6711.6	5855.8	5788.7	6136.9	7176.8	8206.6	8821.1	8462.9	8393.2
30°	8497.7	7015.1	6067.3	5952.9	6425.5	7343.4	8430.5	9388.3	9074.8	9042.5
32.5°	8985.3	7291.2	6231.5	6084.7	6587.2	7549.9	8848.5	10007.7	9704.2	9542.5
35°	9189.3	7592.2	6592.2	6420.5	7049.9	7838.5	9062.4	10559.9	10465.4	10308.7
37.5°	9582.3	7915.6	7017.6	7007.6	7609.6	8214.1	9448.0	11311.2	11293.8	11022.6
40°	9614.6	8268.8	7689.2	8002.7	8475.3	8868.4	9786.3	11520.1	11803.7	11619.7
42.5°	9664.4	8888.3	8850.9	9109.6	9515.1	9430.6	9798.7	11569.9	12002.7	11893.3
45°	9686.8	9507.7	10032.6	10510.2	10679.3	10166.9	9681.8	11475.4	12107.2	11833.6
47.5°	9507.7	10040.0	10987.8	11910.7	11960.5	10619.6	9632.0	11378.4	12169.4	11987.8
50°	9532.5	10373.4	11813.7	12639.6	12458.0	11020.1	9554.9	11318.7	12137.1	12015.2
52°	9472.8	10380.8	11930.6	12624.7	12497.8	10798.7	9423.1	11089.8	12107.2	12194.3
52.5°	9540.0	10336.0	11808.7	12634.6	12470.4	10908.2	9405.7	11216.7	12124.6	11948.0
55°	9308.7	9803.7	11094.8	11445.5	11420.6	9900.7	8870.8	10796.3	11669.4	11671.9
57.5°	8413.1	8497.7	8701.7	8694.2	8579.8	7783.8	7587.2	9928.1	10403.2	10144.5
60°	7413.1	6221.5	5671.8	5447.9	5321.0	5191.7	6711.6	9082.3	9127.1	9017.6
62.5°	6405.6	4313.5	3582.2	3520.0	3549.8	4022.5	6487.7	8746.5	8477.8	8241.5
65°	5169.3	3144.3	2602.0	2520.0	2811.0	3321.0	5251.4	6706.6	6293.7	6097.1
67.5°	3246.3	2293.6	1758.7	1604.5	1955.3	2286.1	3450.3	4214.0	3751.3	3480.2
70°	1925.4	1281.1	796.0	713.9	803.5	1218.9	1932.9	2102.0	1738.8	1599.5
72.5°	758.7	470.2	221.4	189.1	196.5	427.9	711.5	694.0	524.9	467.7
75°	204.0	141.8	77.1	62.2	52.2	79.6	114.4	74.6	27.4	34.8
77.5°	94.5	84.6	67.2	52.2	39.8	29.9	14.9	5.0	5.0	2.5
80°	82.1	72.1	62.2	52.2	39.8	24.9	12.4	2.5	2.5	2.5
82.5°	77.1	67.2	57.2	47.3	37.3	24.9	12.4	2.5	0.0	0.0
85°	32.3	42.3	47.3	44.8	39.8	24.9	12.4	2.5	0.0	0.0
87.5°	17.4	14.9	12.4	10.0	7.5	5.0	5.0	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

(END OF REPORT)