

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: P528445

Luminaire Tested: **GALN-SA3C-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528445
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-SA3C-735-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA 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: 10808 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

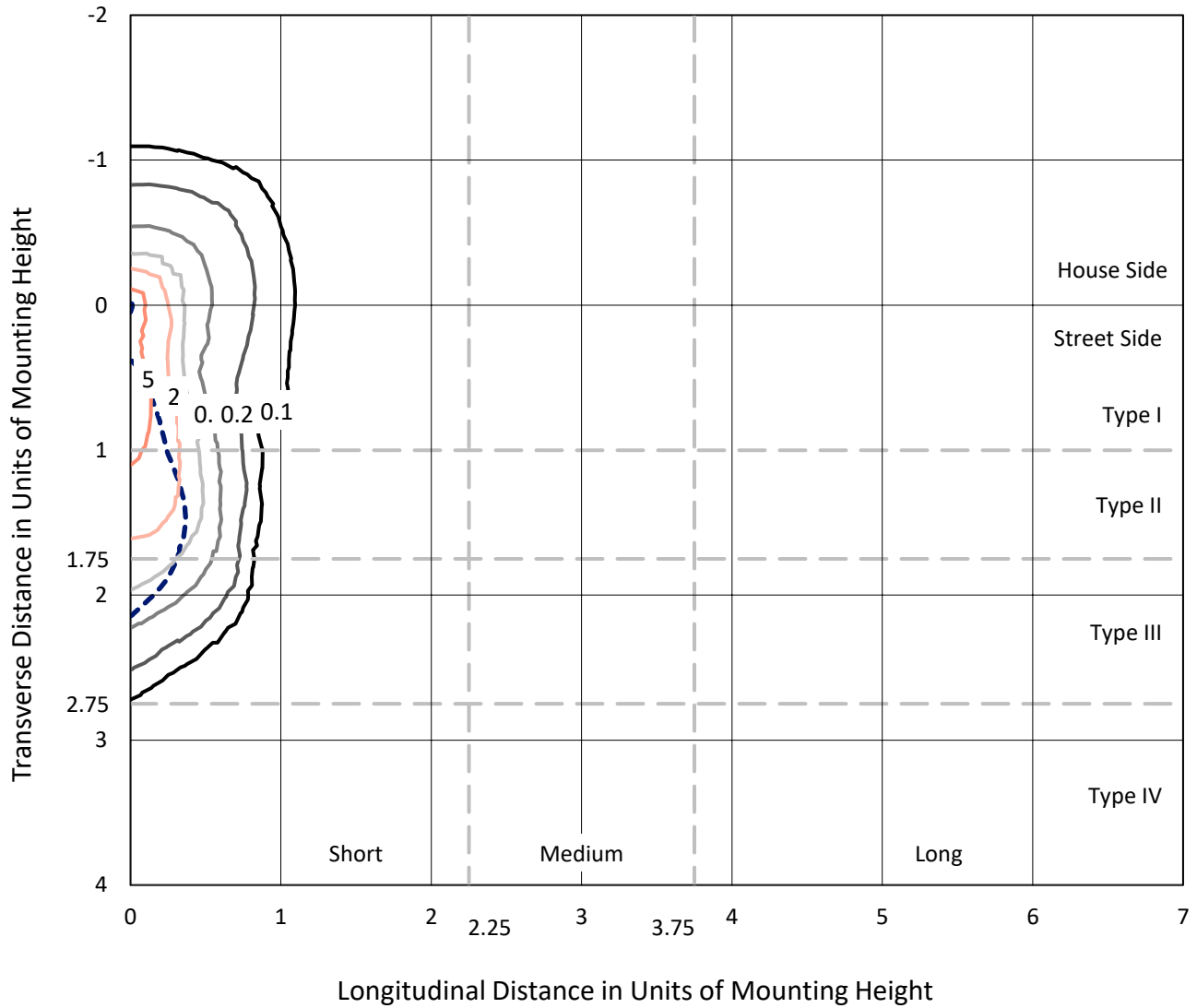
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528445
 CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

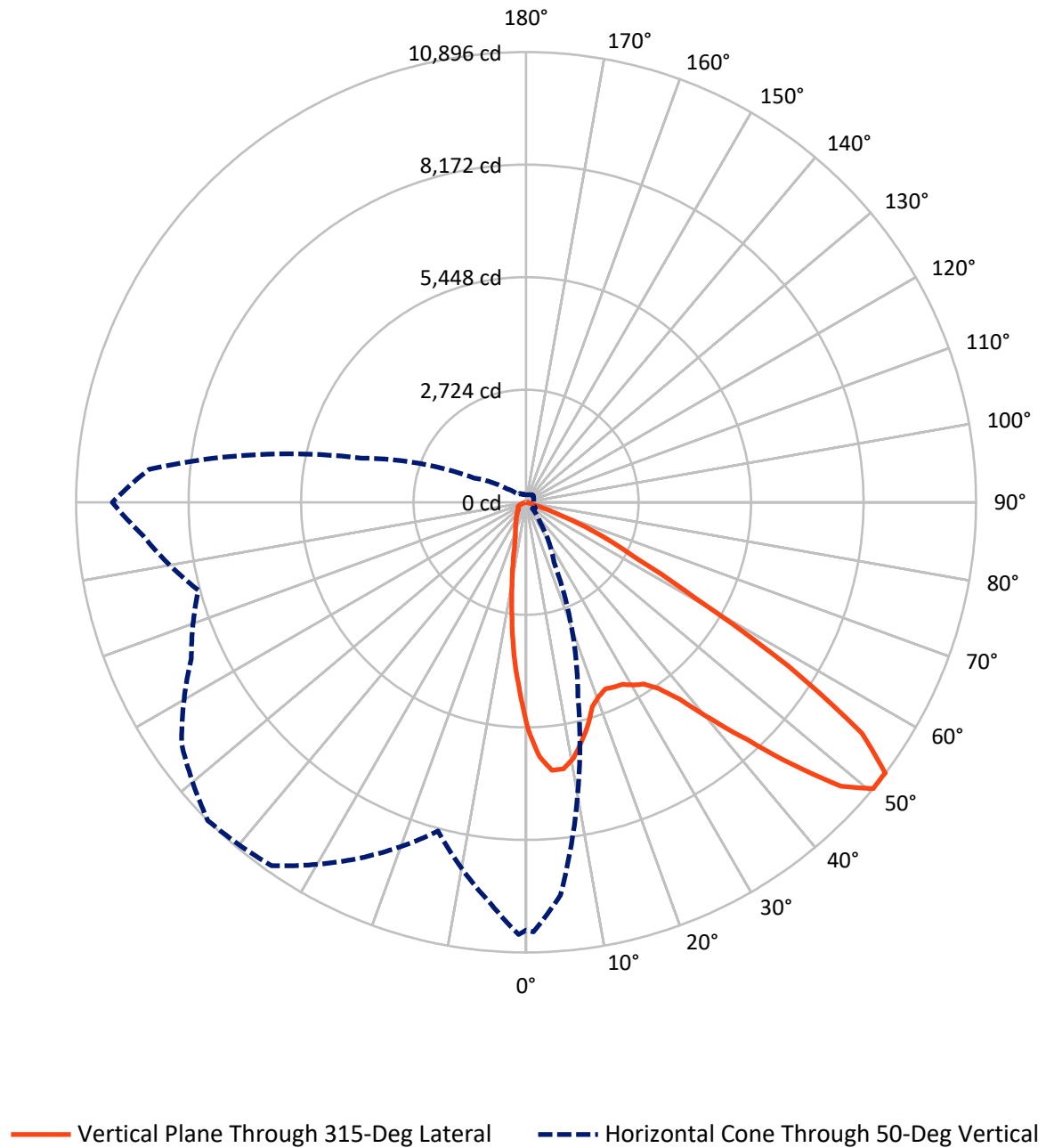
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - N/A

REPORT NUMBER: P528445
CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P528445
 CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

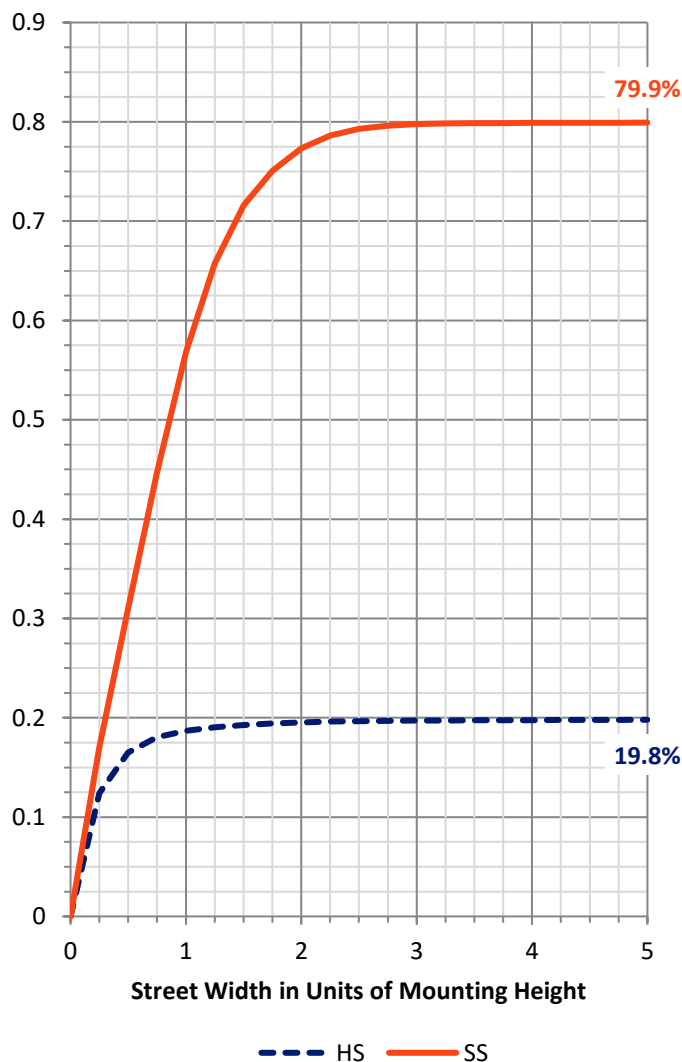
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2164.8	0.0	2164.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	8643.2	0.0	8643.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	10808.0	0.0	10808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.5	3.7
10°-20°	794.0	7.3
20°-30°	1192.8	11.0
30°-40°	1790.4	16.6
40°-50°	2516.3	23.3
50°-60°	2714.3	25.1
60°-70°	1260.2	11.7
70°-80°	118.6	1.1
80°-90°	21.9	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°	10808.0	100.0
0°-180°	10808.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528445

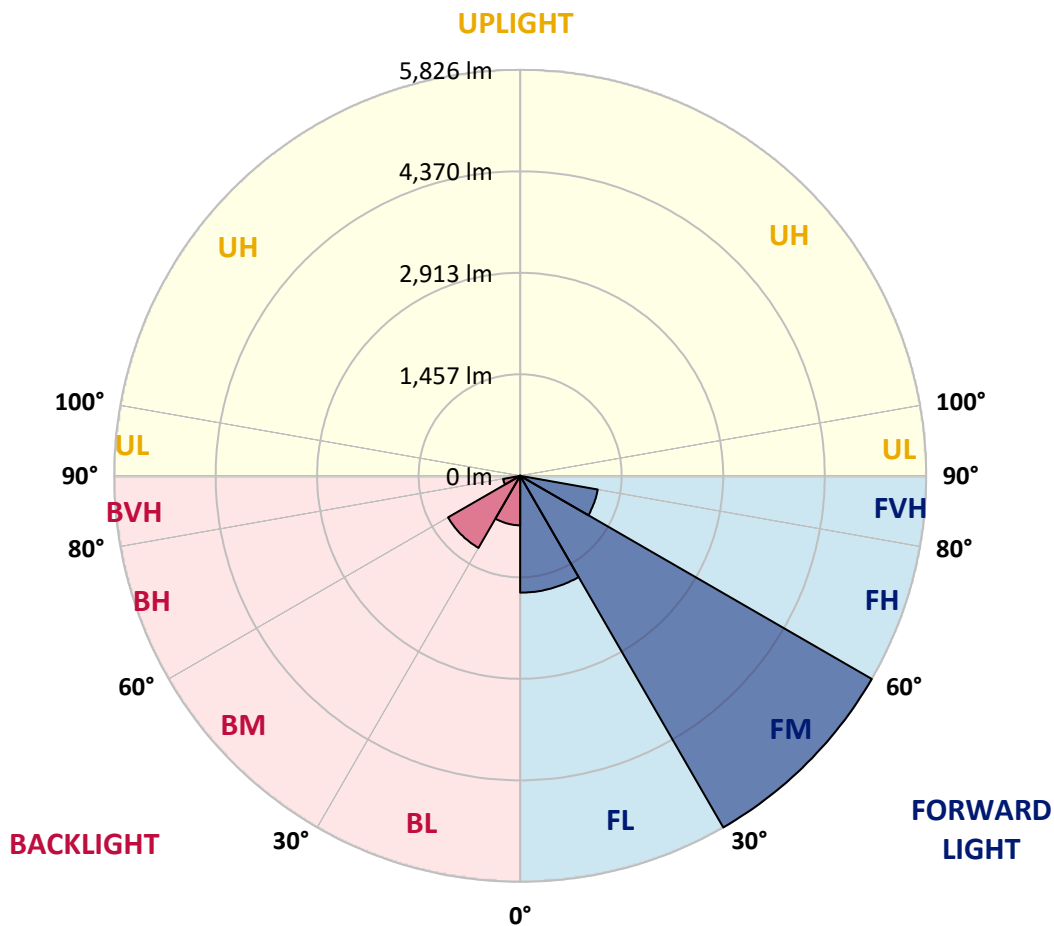
CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1676.8	15.5			
FM (30°-60°)	5826.3	53.9			
FH (60°-80°)	1130.2	10.5			G1/1800
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	709.6	6.6	B2/1000		
BM (30°-60°)	1194.7	11.1	B2/2500		
BH (60°-80°)	248.6	2.3	B1/500		G1/500
BVH (80°-90°)	12.0	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: P528445

CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0
2.5°	5697.6	5609.7	5498.2	5406.0	5268.7	4992.1	4917.0	4827.0	4751.9	4651.1	4509.6
5°	5180.8	5152.9	5101.5	4754.1	4503.2	4168.7	3894.2	3778.4	3626.1	3501.8	3411.7
7.5°	4786.2	4674.7	4511.8	4162.2	3761.2	3403.1	3098.6	2920.6	2719.1	2650.4	2528.2
10°	4363.8	4389.5	4149.4	3658.3	3173.7	2884.2	2695.5	2523.9	2341.7	2221.6	2047.9
12.5°	4228.7	4145.1	3960.7	3353.8	2939.9	2669.7	2440.3	2228.0	2035.0	1842.0	1674.8
15°	4316.6	4188.0	3930.6	3289.5	2759.8	2423.1	2135.8	1848.4	1670.5	1423.9	1250.2
17.5°	4631.8	4528.9	4183.7	3358.1	2667.6	2187.3	1760.5	1464.6	1192.3	969.3	881.3
20°	5157.2	5011.4	4578.2	3446.0	2530.4	1902.1	1428.2	1063.6	806.3	711.9	662.6
22.5°	5671.9	5592.5	5045.7	3615.4	2408.1	1649.0	1072.2	716.2	602.6	585.4	553.2
25°	6651.8	6413.8	5759.8	3922.1	2313.8	1411.0	808.4	576.8	510.4	497.5	501.8
27.5°	7235.1	7035.7	6420.3	4125.8	2208.7	1228.7	684.1	529.7	484.6	456.8	446.0
30°	7794.8	7563.2	6748.3	4245.9	1983.5	1035.7	606.9	508.2	497.5	456.8	443.9
32.5°	8225.8	7998.5	7222.2	4426.0	1891.3	911.4	499.6	396.7	368.8	364.5	403.1
35°	8886.3	8644.0	7627.5	4524.6	1820.6	847.0	433.2	353.8	321.7	308.8	310.9
37.5°	9501.7	9336.6	8002.8	4563.2	1745.5	827.7	388.1	317.4	289.5	280.9	278.8
40°	10016.4	9647.5	8358.8	4604.0	1713.4	791.3	360.3	289.5	270.2	257.3	257.3
42.5°	10252.2	9877.0	8757.6	4580.4	1704.8	733.4	360.3	265.9	250.9	238.0	235.9
45°	10200.8	10048.5	8935.6	4569.7	1704.8	675.5	328.1	259.5	238.0	220.9	216.6
47.5°	10333.7	10134.3	9158.6	4614.7	1670.5	634.7	276.6	272.3	225.2	203.7	199.4
50°	10357.3	10395.9	9546.8	4848.4	1595.4	583.3	216.6	268.0	216.6	184.4	180.1
52°	10511.7	10271.5	9664.7	4972.8	1516.1	544.7	182.3	229.4	208.0	171.5	167.3
52.5°	10299.4	10456.0	9692.6	5017.8	1524.6	518.9	175.8	225.2	203.7	171.5	160.8
55°	10061.4	10211.5	9578.9	5114.3	1398.1	407.4	137.2	163.0	184.4	150.1	143.7
57.5°	8744.8	8897.0	8324.5	4683.3	1138.7	287.3	113.7	122.2	163.0	139.4	133.0
60°	7773.4	7664.0	6986.4	3907.0	808.4	160.8	90.1	94.4	178.0	128.7	126.5
62.5°	7104.3	6870.6	5839.1	3017.1	493.2	107.2	70.8	72.9	137.2	120.1	120.1
65°	5255.9	4994.2	3879.2	1824.9	242.3	75.1	53.6	57.9	85.8	102.9	102.9
67.5°	3000.0	2899.2	1874.2	823.4	100.8	47.2	40.7	45.0	66.5	83.6	79.3
70°	1378.8	1237.3	720.5	173.7	47.2	32.2	32.2	36.5	53.6	62.2	57.9
72.5°	403.1	381.7	175.8	27.9	19.3	19.3	21.4	27.9	40.7	47.2	42.9
75°	30.0	19.3	12.9	8.6	8.6	12.9	17.2	27.9	40.7	45.0	36.5
77.5°	2.1	4.3	2.1	2.1	6.4	12.9	19.3	34.3	53.6	55.8	40.7
80°	2.1	2.1	0.0	2.1	6.4	12.9	21.4	38.6	60.0	64.3	34.3
82.5°	0.0	0.0	0.0	2.1	8.6	17.2	25.7	40.7	55.8	68.6	36.5
85°	0.0	0.0	0.0	2.1	12.9	23.6	30.0	10.7	6.4	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: P528445

CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0
2.5°	4610.4	4554.6	4533.2	4552.5	4546.1	4539.6	4657.6	4631.8	4627.6	4666.2	4657.6
5°	3461.0	3362.4	3632.6	3523.2	3636.9	3705.5	3718.3	3724.8	3804.1	3720.5	3829.9
7.5°	2466.0	2491.8	2489.6	2562.5	2693.3	2809.1	2877.7	2824.1	2819.9	2809.1	2762.0
10°	1970.7	1925.6	1917.1	1899.9	1940.7	2039.3	2122.9	2056.5	2009.3	2073.6	2054.3
12.5°	1610.4	1548.2	1513.9	1445.3	1447.5	1513.9	1513.9	1513.9	1561.1	1597.6	1625.4
15°	1235.2	1183.7	1183.7	1115.1	1100.1	1102.2	1136.5	1140.8	1215.9	1237.3	1248.0
17.5°	864.2	836.3	868.5	896.3	879.2	883.5	896.3	900.6	911.4	902.8	924.2
20°	664.8	660.5	669.0	718.4	754.8	776.3	761.3	739.8	726.9	696.9	696.9
22.5°	564.0	572.5	587.6	628.3	675.5	688.3	671.2	621.9	583.3	579.0	581.1
25°	501.8	510.4	533.9	559.7	585.4	606.9	589.7	553.2	531.8	512.5	512.5
27.5°	463.2	467.5	480.3	499.6	521.1	538.2	531.8	512.5	488.9	480.3	461.0
30°	433.2	439.6	454.6	458.9	478.2	486.8	476.1	471.8	456.8	446.0	439.6
32.5°	418.2	416.0	426.7	431.0	433.2	439.6	426.7	433.2	431.0	413.9	407.4
35°	315.2	332.4	360.3	383.8	390.3	398.9	396.7	388.1	364.5	345.2	321.7
37.5°	283.1	293.8	308.8	328.1	353.8	364.5	360.3	338.8	310.9	298.1	293.8
40°	261.6	268.0	280.9	293.8	319.5	338.8	323.8	304.5	283.1	272.3	265.9
42.5°	242.3	244.5	250.9	263.8	283.1	313.1	287.3	261.6	253.0	246.6	242.3
45°	220.9	220.9	229.4	235.9	257.3	285.2	259.5	235.9	231.6	227.3	225.2
47.5°	203.7	205.9	210.1	218.7	235.9	255.2	238.0	218.7	208.0	205.9	201.6
50°	182.3	184.4	193.0	201.6	223.0	233.7	223.0	201.6	190.8	184.4	184.4
52°	165.1	171.5	180.1	197.3	212.3	229.4	216.6	193.0	180.1	173.7	169.4
52.5°	163.0	167.3	175.8	195.1	212.3	227.3	214.4	190.8	175.8	171.5	167.3
55°	145.8	152.3	167.3	190.8	210.1	227.3	210.1	188.7	167.3	156.5	152.3
57.5°	139.4	143.7	163.0	193.0	208.0	227.3	210.1	188.7	167.3	148.0	143.7
60°	133.0	141.5	163.0	186.6	205.9	229.4	212.3	186.6	163.0	139.4	139.4
62.5°	126.5	133.0	160.8	182.3	197.3	220.9	203.7	182.3	156.5	133.0	130.8
65°	109.4	120.1	141.5	152.3	169.4	190.8	173.7	158.7	137.2	117.9	115.8
67.5°	83.6	87.9	105.1	117.9	128.7	148.0	139.4	120.1	105.1	90.1	90.1
70°	57.9	62.2	75.1	81.5	92.2	102.9	96.5	81.5	70.8	62.2	60.0
72.5°	40.7	42.9	47.2	51.5	55.8	60.0	57.9	47.2	40.7	38.6	36.5
75°	32.2	36.5	38.6	36.5	34.3	32.2	32.2	27.9	23.6	21.4	21.4
77.5°	32.2	34.3	32.2	27.9	23.6	21.4	19.3	17.2	12.9	10.7	12.9
80°	27.9	27.9	27.9	23.6	21.4	19.3	17.2	15.0	12.9	10.7	10.7
82.5°	30.0	30.0	27.9	23.6	23.6	19.3	19.3	17.2	15.0	10.7	10.7
85°	0.0	0.0	0.0	4.3	10.7	19.3	19.3	17.2	15.0	12.9	12.9
87.5°	0.0	0.0	0.0	0.0	2.1	4.3	8.6	10.7	12.9	12.9	12.9
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: P528445

CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0
2.5°	4734.8	4816.3	4970.7	5125.1	5219.4	5330.9	5532.5	5639.7	5779.1	5847.7	5982.8
5°	3814.8	4007.8	4076.5	4252.3	4441.0	4629.7	4929.9	5260.1	5534.6	5723.3	5967.8
7.5°	2783.4	2828.4	3094.3	3212.3	3521.1	3864.2	4273.7	4689.7	5037.1	5345.9	5532.5
10°	2086.5	2251.6	2418.9	2644.0	2892.8	3246.6	3639.0	4097.9	4548.2	4857.0	5092.9
12.5°	1676.9	1807.7	2030.7	2273.0	2579.7	2813.4	3208.0	3662.6	4245.9	4548.2	4859.2
15°	1269.5	1436.7	1689.8	1940.7	2264.5	2511.1	2909.9	3482.5	4233.0	4649.0	4917.0
17.5°	941.4	1055.0	1282.3	1563.2	1893.5	2240.9	2779.1	3463.2	4376.7	4872.0	5148.6
20°	720.5	759.1	902.8	1153.7	1511.8	1966.4	2566.8	3546.8	4801.3	5414.5	5695.5
22.5°	583.3	600.4	656.2	829.9	1177.3	1726.2	2466.0	3604.7	5279.4	6064.3	6439.6
25°	508.2	503.9	540.4	615.4	919.9	1501.1	2337.4	3823.4	5864.9	6827.7	7164.4
27.5°	463.2	463.2	480.3	533.9	763.4	1355.2	2255.9	3980.0	6454.6	7498.9	7681.1
30°	439.6	443.9	493.2	510.4	634.7	1181.5	2120.8	4138.6	7018.5	7927.7	8178.6
32.5°	407.4	390.3	379.6	422.4	533.9	1025.0	1985.7	4205.1	7475.3	8453.1	8667.6
35°	313.1	304.5	317.4	349.5	458.9	892.1	1835.6	4280.2	8000.7	9062.1	9105.0
37.5°	283.1	280.9	289.5	317.4	386.0	776.3	1728.4	4260.9	8401.7	9566.0	9450.3
40°	261.6	261.6	268.0	291.6	345.2	694.8	1616.9	4243.7	8789.8	10132.2	9793.4
42.5°	244.5	244.5	255.2	270.2	328.1	641.2	1533.2	4220.1	9115.7	10479.6	9994.9
45°	220.9	227.3	244.5	259.5	332.4	604.7	1471.0	4130.1	9227.2	10475.3	9898.4
47.5°	203.7	212.3	229.4	250.9	300.2	594.0	1428.2	4050.7	9188.6	10217.9	9596.1
50°	184.4	195.1	218.7	255.2	255.2	572.5	1383.1	4121.5	9160.8	10018.5	9306.6
52°	171.5	180.1	210.1	248.7	223.0	527.5	1355.2	4258.7	9274.4	9992.8	9177.9
52.5°	169.4	175.8	203.7	244.5	212.3	518.9	1335.9	4290.9	9310.9	9928.4	9265.8
55°	150.1	158.7	186.6	190.8	173.7	426.7	1273.8	4363.8	9130.7	9801.9	9182.2
57.5°	141.5	145.8	165.1	156.5	150.1	321.7	1095.8	4250.1	8110.0	8706.2	8543.2
60°	130.8	135.1	154.4	122.2	126.5	225.2	823.4	3690.5	6512.5	7254.4	7548.2
62.5°	126.5	124.4	145.8	98.6	107.2	163.0	581.1	3000.0	5017.8	5972.1	6480.3
65°	111.5	109.4	105.1	83.6	92.2	126.5	347.4	1957.8	3536.1	4518.2	4797.0
67.5°	85.8	90.1	77.2	66.5	77.2	98.6	193.0	877.0	1854.9	2710.5	2935.6
70°	60.0	64.3	62.2	57.9	68.6	81.5	111.5	300.2	767.7	1423.9	1569.7
72.5°	36.5	45.0	47.2	49.3	60.0	70.8	79.3	96.5	203.7	503.9	626.2
75°	21.4	30.0	36.5	42.9	49.3	60.0	66.5	68.6	70.8	94.4	152.3
77.5°	15.0	21.4	32.2	40.7	49.3	60.0	70.8	75.1	70.8	66.5	70.8
80°	12.9	21.4	30.0	38.6	51.5	62.2	70.8	70.8	68.6	60.0	64.3
82.5°	12.9	21.4	32.2	40.7	49.3	60.0	68.6	70.8	64.3	60.0	62.2
85°	15.0	23.6	34.3	42.9	53.6	49.3	45.0	36.5	34.3	27.9	30.0
87.5°	15.0	21.4	21.4	23.6	25.7	25.7	25.7	23.6	19.3	17.2	17.2
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: P528445

CATALOG NUMBER: GALN-SA3C-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0	5481.0
2.5°	5989.2	6160.8	6154.4	6158.6	6132.9	5959.2	5875.6	5663.3	5723.3	5697.6
5°	6218.7	6388.1	6533.9	6516.8	6319.5	6083.6	5734.1	5403.8	5313.8	5180.8
7.5°	5989.2	6396.7	6531.8	6512.5	6220.8	5918.5	5360.9	5030.7	4874.2	4786.2
10°	5624.7	6096.5	6263.7	6298.0	6100.7	5641.8	5129.3	4599.7	4516.1	4363.8
12.5°	5416.7	5759.8	5862.7	5954.9	5886.3	5543.2	4953.5	4445.3	4329.5	4228.7
15°	5247.3	5451.0	5493.9	5599.0	5639.7	5455.3	5045.7	4612.5	4327.3	4316.6
17.5°	5403.8	5320.2	5163.7	5195.8	5324.5	5457.4	5283.7	4942.8	4666.2	4631.8
20°	5663.3	5294.5	4940.6	5020.0	5127.2	5534.6	5644.0	5403.8	5245.1	5157.2
22.5°	5961.4	5339.5	4869.9	4908.5	5112.2	5708.3	6227.3	6094.3	5798.4	5671.9
25°	6512.5	5463.9	4925.6	4951.4	5230.1	5950.6	6754.8	6853.4	6677.6	6651.8
27.5°	7050.7	5785.5	5047.9	4990.0	5290.2	6186.5	7074.3	7603.9	7295.2	7235.1
30°	7325.2	6047.1	5230.1	5131.5	5538.9	6330.2	7267.3	8092.9	7822.7	7794.8
32.5°	7745.5	6285.2	5371.7	5245.1	5678.3	6508.2	7627.5	8626.8	8365.2	8225.8
35°	7921.3	6544.6	5682.6	5534.6	6077.2	6756.9	7812.0	9102.9	9021.4	8886.3
37.5°	8260.1	6823.4	6049.3	6040.7	6559.6	7080.7	8144.3	9750.5	9735.5	9501.7
40°	8288.0	7127.9	6628.3	6898.4	7305.9	7644.7	8436.0	9930.6	10175.1	10016.4
42.5°	8330.9	7661.8	7629.7	7852.7	8202.2	8129.3	8446.7	9973.5	10346.6	10252.2
45°	8350.2	8195.8	8648.3	9060.0	9205.8	8764.1	8345.9	9892.0	10436.7	10200.8
47.5°	8195.8	8654.7	9471.7	10267.3	10310.1	9154.3	8303.0	9808.4	10490.3	10333.7
50°	8217.2	8942.0	10183.6	10895.6	10739.0	9499.6	8236.5	9756.9	10462.4	10357.3
52°	8165.8	8948.5	10284.4	10882.7	10773.3	9308.7	8122.9	9559.6	10436.7	10511.7
52.5°	8223.7	8909.9	10179.3	10891.3	10749.7	9403.1	8107.9	9669.0	10451.7	10299.4
55°	8024.2	8451.0	9563.9	9866.3	9844.8	8534.6	7646.8	9306.6	10059.3	10061.4
57.5°	7252.3	7325.2	7501.0	7494.6	7395.9	6709.7	6540.3	8558.2	8967.8	8744.8
60°	6390.2	5363.1	4889.2	4696.2	4586.8	4475.3	5785.5	7829.1	7867.7	7773.4
62.5°	5521.8	3718.3	3087.9	3034.3	3060.0	3467.5	5592.5	7539.6	7308.0	7104.3
65°	4456.0	2710.5	2243.0	2172.3	2423.1	2862.7	4526.8	5781.2	5425.3	5255.9
67.5°	2798.4	1977.1	1516.1	1383.1	1685.5	1970.7	2974.2	3632.6	3233.7	3000.0
70°	1659.7	1104.4	686.2	615.4	692.6	1050.7	1666.2	1812.0	1498.9	1378.8
72.5°	654.0	405.3	190.8	163.0	169.4	368.8	613.3	598.3	452.5	403.1
75°	175.8	122.2	66.5	53.6	45.0	68.6	98.6	64.3	23.6	30.0
77.5°	81.5	72.9	57.9	45.0	34.3	25.7	12.9	4.3	4.3	2.1
80°	70.8	62.2	53.6	45.0	34.3	21.4	10.7	2.1	2.1	2.1
82.5°	66.5	57.9	49.3	40.7	32.2	21.4	10.7	2.1	0.0	0.0
85°	27.9	36.5	40.7	38.6	34.3	21.4	10.7	2.1	0.0	0.0
87.5°	15.0	12.9	10.7	8.6	6.4	4.3	4.3	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)