

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: P527455

Luminaire Tested: **GALN-SA2C-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527455
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-727-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 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: 6537 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

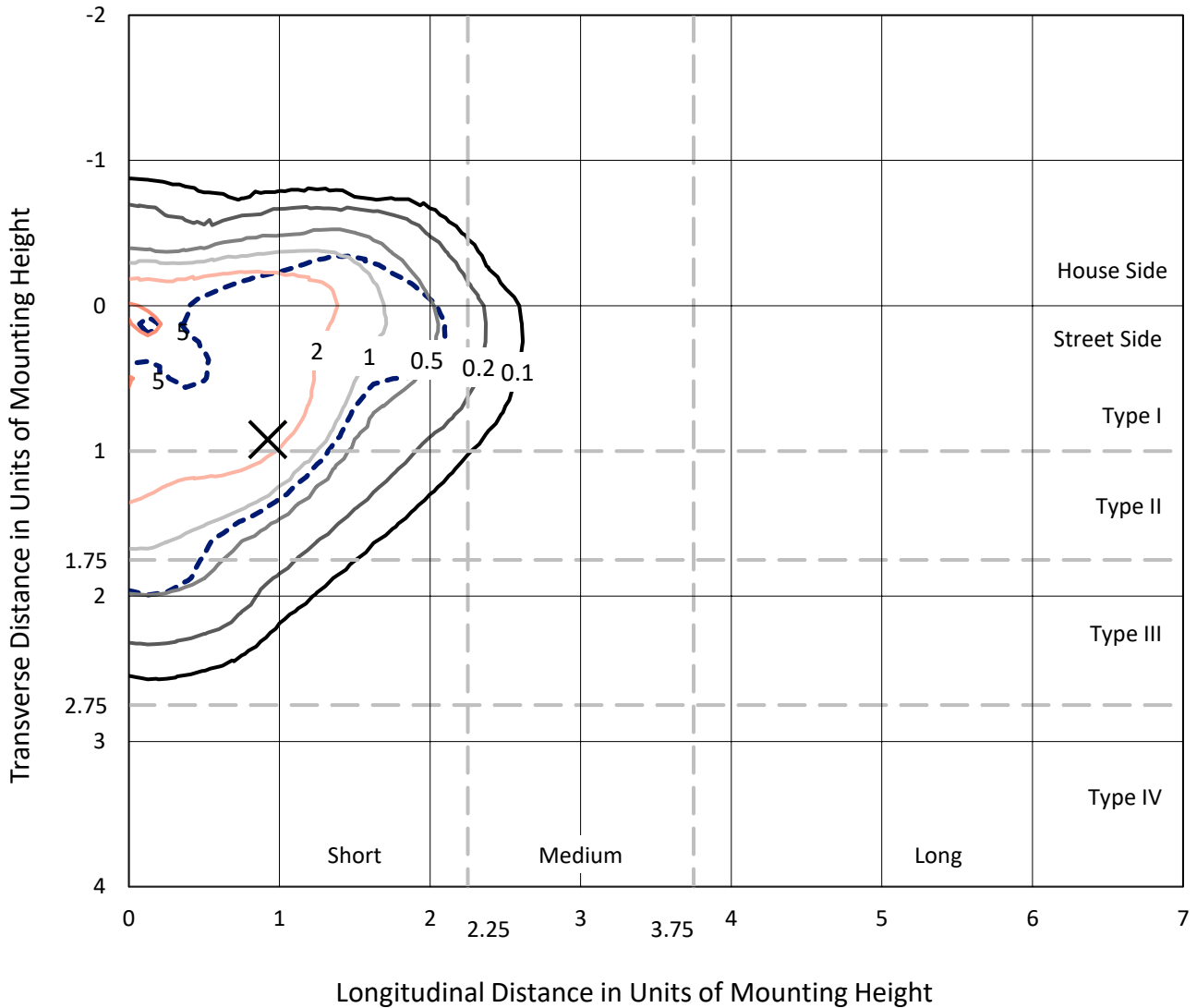
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527455
 CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

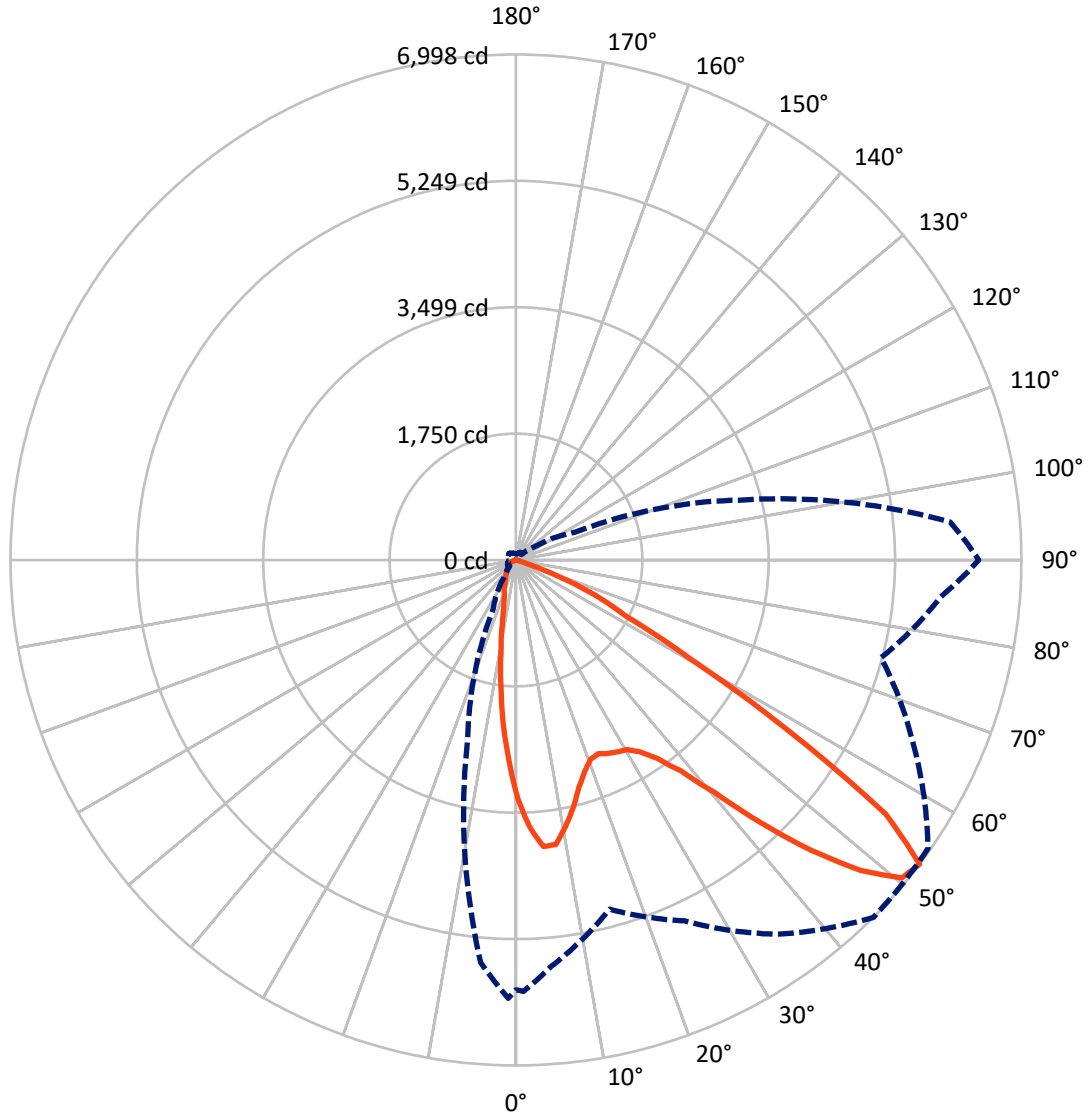
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

REPORT NUMBER: P527455
CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P527455
 CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

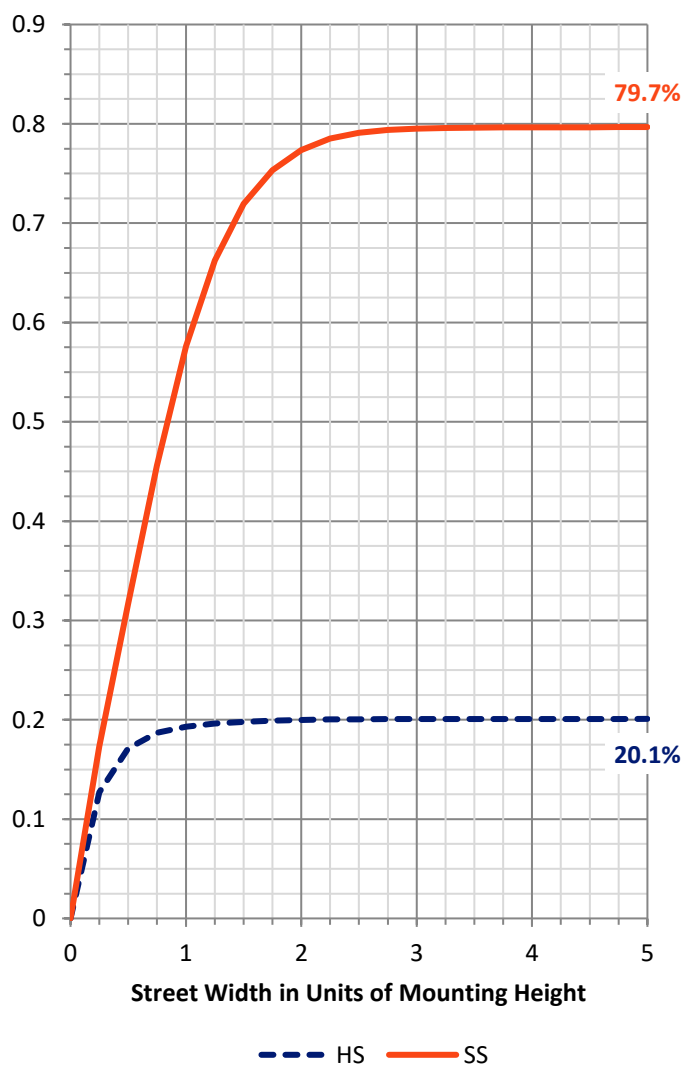
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1326.7	0.0	1326.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5210.3	0.0	5210.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	6537.0	0.0	6537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.7	3.7
10°-20°	476.9	7.3
20°-30°	725.8	11.1
30°-40°	1084.8	16.6
40°-50°	1544.8	23.6
50°-60°	1660.6	25.4
60°-70°	735.9	11.3
70°-80°	59.5	0.9
80°-90°	6.9	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°	6537.0	100.0
0°-180°	6537.0	100.0

Coefficient of Utilization

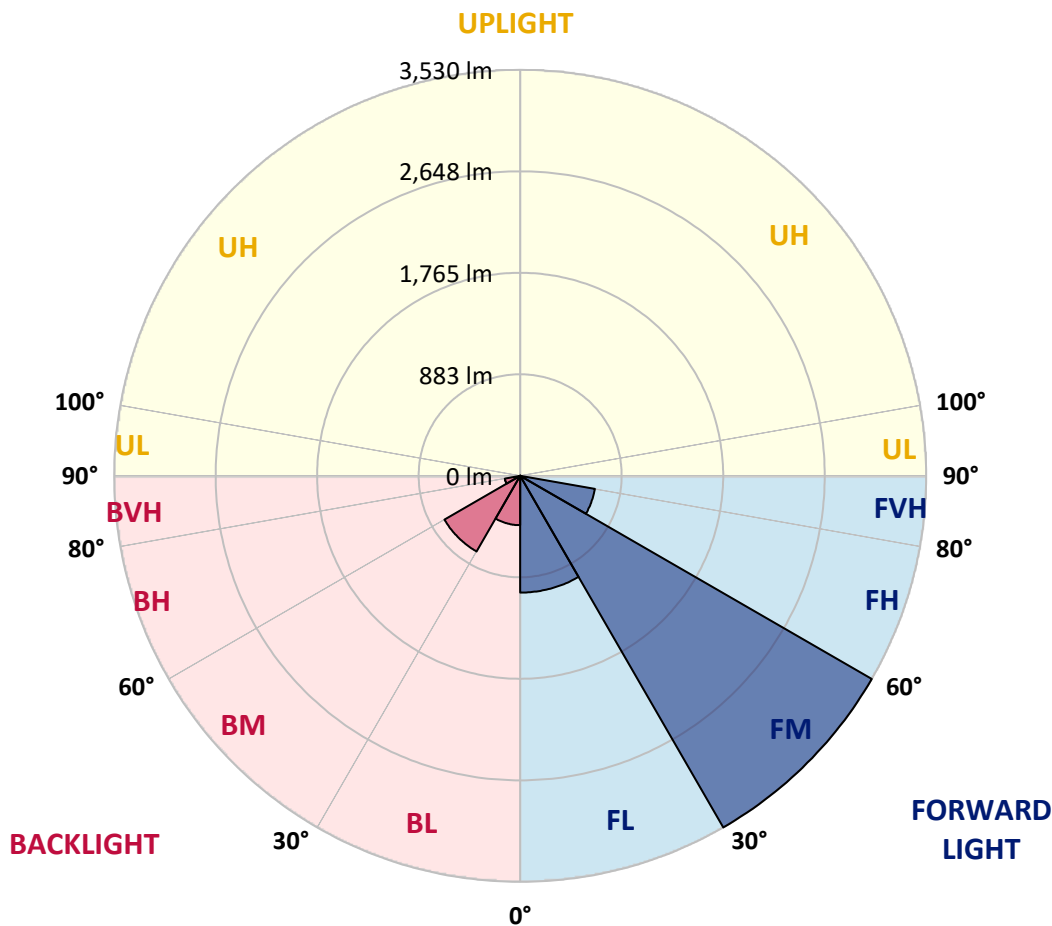


REPORT NUMBER: P527455
 CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1015.3	15.5			
FM (30°-60°)	3530.2	54.0			
FH (60°-80°)	659.7	10.1			G0/660
FVH (80°-90°)	5.1	0.1			G0/10
BL (0°-30°)	429.1	6.6	B1/500		
BM (30°-60°)	760.0	11.6	B1/1000		
BH (60°-80°)	135.7	2.1	B1/500		G1/500
BVH (80°-90°)	1.8	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: P527455

CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6
2.5°	3507.4	3517.7	3574.3	3645.0	3682.3	3767.1	3708.0	3723.4	3691.3	3578.1	3489.4
5°	3400.7	3399.4	3471.4	3646.3	3812.1	3980.6	3985.7	3895.7	3737.6	3564.0	3315.8
7.5°	3079.3	3129.4	3204.0	3483.0	3790.3	3916.3	3976.7	3871.3	3628.3	3380.1	3111.4
10°	2836.3	2862.0	2988.0	3324.8	3549.8	3718.3	3755.6	3695.1	3508.7	3198.8	2898.0
12.5°	2696.1	2709.0	2856.8	3139.7	3377.6	3502.3	3520.3	3548.6	3414.8	3124.3	2763.0
15°	2697.4	2707.7	2907.0	3143.6	3237.4	3204.0	3263.1	3261.8	3319.7	3110.1	2876.1
17.5°	2891.6	2903.1	3083.1	3200.1	3159.0	3080.6	3076.7	3135.8	3258.0	3286.3	3047.1
20°	3225.8	3252.8	3385.3	3378.8	3147.4	2989.3	2945.6	2990.6	3274.7	3435.4	3391.7
22.5°	3675.8	3713.1	3805.7	3628.3	3200.1	2927.6	2913.4	3000.8	3385.3	3768.4	3782.6
25°	4197.8	4260.8	4305.8	4078.3	3387.8	3034.3	2967.4	3117.8	3534.4	4129.7	4280.1
27.5°	4543.7	4609.3	4599.0	4273.7	3513.8	3062.6	3006.0	3146.1	3664.3	4215.8	4539.8
30°	4813.7	4853.6	4925.6	4379.1	3639.8	3142.3	3045.8	3265.7	3706.7	4365.0	4853.6
32.5°	5128.7	5155.7	5160.8	4565.6	3834.0	3242.6	3169.3	3414.8	3894.4	4507.7	5131.3
35°	5446.3	5486.1	5402.6	4795.7	3953.6	3429.0	3375.0	3673.3	4044.8	4655.6	5437.3
37.5°	5790.8	5811.4	5618.6	4890.8	4124.6	3732.4	3702.8	3952.3	4305.8	4923.0	5776.7
40°	6080.1	6099.4	5848.7	5007.8	4304.6	4156.7	4232.6	4484.6	4660.7	5096.6	5946.4
42.5°	6240.8	6285.8	5925.8	4943.6	4665.8	4637.6	4974.4	5063.1	5072.1	5145.4	6098.1
45°	6284.6	6264.0	5798.6	4996.3	4982.1	5428.3	5734.3	5851.3	5481.0	5235.4	6136.7
47.5°	6082.7	6109.7	5610.8	4950.0	5397.4	6027.4	6423.4	6640.7	5785.7	5157.0	6041.6
50°	5919.4	5884.7	5550.4	4916.6	5509.3	6310.3	6921.0	6969.8	6066.0	5253.4	5937.4
52.5°	5951.6	5973.4	5646.8	5005.3	5511.8	6327.0	6998.1	6964.7	6075.0	5231.6	5900.1
55°	6019.7	5923.3	5605.7	4809.8	5142.8	5860.3	6211.3	6159.8	5607.0	4998.8	5808.8
57.5°	5194.3	5343.4	5154.4	4294.3	4221.0	4415.1	4408.7	4566.8	4182.4	4302.0	5288.1
60°	4215.8	4241.6	4312.3	3673.3	2921.1	2854.3	2761.7	2661.4	2814.4	3678.4	4809.8
62.5°	3708.0	3677.1	3929.1	3341.6	2062.3	1726.7	1711.3	1773.0	2171.6	3508.7	4511.6
65°	2694.9	2733.4	2916.0	2593.3	1548.0	1317.9	1294.7	1477.3	1757.6	2811.8	3443.1
67.5°	1645.7	1720.3	1737.0	1599.4	1050.4	834.4	801.0	966.9	1269.0	1819.3	2018.6
70°	759.9	849.9	934.7	873.0	608.1	343.3	324.0	406.3	640.3	1046.6	1071.0
72.5°	230.1	231.4	324.0	338.1	196.7	77.1	68.1	90.0	217.3	345.9	363.9
75°	16.7	18.0	43.7	50.1	37.3	19.3	20.6	24.4	46.3	77.1	57.9
77.5°	1.3	1.3	1.3	6.4	11.6	12.9	16.7	19.3	24.4	28.3	25.7
80°	1.3	0.0	1.3	5.1	9.0	12.9	15.4	18.0	19.3	21.9	19.3
82.5°	0.0	0.0	0.0	3.9	9.0	12.9	14.1	19.3	21.9	25.7	21.9
85°	0.0	0.0	0.0	3.9	9.0	14.1	12.9	6.4	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: P527455

CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6
2.5°	3504.8	3454.7	3340.3	3282.4	3146.1	3126.8	2993.1	2971.3	2926.3	2901.8	2842.7
5°	3206.6	3146.1	2959.7	2802.8	2620.3	2493.0	2395.3	2306.6	2255.1	2207.6	2229.4
7.5°	2963.6	2787.4	2580.4	2318.1	2107.3	1971.0	1821.9	1699.7	1627.7	1578.9	1590.4
10°	2709.0	2594.6	2306.6	2012.1	1757.6	1661.1	1544.1	1450.3	1348.7	1261.3	1220.1
12.5°	2629.3	2459.6	2098.3	1798.7	1605.9	1512.0	1378.3	1270.3	1140.4	1033.7	996.4
15°	2643.4	2480.1	2041.7	1721.6	1494.0	1332.0	1172.6	1038.9	896.1	821.6	783.0
17.5°	2873.6	2590.7	2079.0	1640.6	1338.4	1113.4	916.7	747.0	640.3	563.1	546.4
20°	3156.4	2829.8	2158.7	1581.4	1211.1	885.9	669.9	523.3	434.6	421.7	417.9
22.5°	3570.4	3220.7	2329.7	1541.6	1055.6	690.4	459.0	380.6	356.1	353.6	354.9
25°	4149.0	3710.6	2516.1	1508.1	938.6	532.3	375.4	322.7	315.0	311.1	317.6
27.5°	4399.7	4006.3	2615.1	1436.1	831.9	479.6	370.3	320.1	298.3	291.9	295.7
30°	4709.6	4203.0	2770.7	1312.7	675.0	394.7	345.9	348.4	338.1	306.0	295.7
32.5°	5121.0	4448.6	2849.1	1225.3	603.0	326.6	253.3	232.7	259.7	264.9	273.9
35°	5384.6	4698.0	2889.0	1173.9	565.7	279.0	214.7	195.4	189.0	190.3	195.4
37.5°	5874.4	5034.8	2939.1	1119.9	537.4	243.0	194.1	176.1	167.1	167.1	172.3
40°	6167.6	5302.3	3007.3	1090.3	509.1	221.1	176.1	160.7	153.0	153.0	155.6
42.5°	6240.8	5434.7	2984.1	1080.0	477.0	216.0	160.7	149.1	140.1	138.9	137.6
45°	6372.0	5636.6	2988.0	1068.4	443.6	196.7	151.7	138.9	126.0	124.7	123.4
47.5°	6516.0	5781.8	2995.7	1023.4	411.4	164.6	158.1	128.6	113.1	110.6	110.6
50°	6392.6	5897.6	3062.6	978.4	370.3	133.7	155.6	120.9	100.3	96.4	97.7
52.5°	6408.0	6033.8	3204.0	915.4	318.9	106.7	126.0	114.4	91.3	84.9	86.1
55°	6161.1	5889.8	3223.3	848.6	249.4	82.3	96.4	100.3	77.1	74.6	74.6
57.5°	5303.6	4987.3	2844.0	687.9	164.6	68.1	69.4	87.4	66.9	64.3	65.6
60°	4538.6	4003.7	2288.6	453.9	102.9	54.0	50.1	88.7	59.1	57.9	61.7
62.5°	4137.4	3290.1	1735.7	281.6	70.7	41.1	34.7	72.0	51.4	51.4	56.6
65°	2989.3	2210.1	1009.3	147.9	50.1	32.1	25.7	41.1	42.4	43.7	46.3
67.5°	1851.4	1116.0	425.6	72.0	33.4	21.9	16.7	25.7	28.3	28.3	30.9
70°	914.1	444.9	141.4	41.1	25.7	18.0	11.6	14.1	14.1	12.9	14.1
72.5°	282.9	133.7	36.0	25.7	18.0	11.6	6.4	5.1	2.6	0.0	1.3
75°	32.1	25.7	23.1	18.0	11.6	5.1	1.3	0.0	0.0	0.0	0.0
77.5°	19.3	21.9	21.9	18.0	11.6	3.9	0.0	0.0	0.0	0.0	0.0
80°	15.4	16.7	18.0	16.7	10.3	5.1	0.0	0.0	0.0	0.0	0.0
82.5°	19.3	21.9	24.4	21.9	14.1	6.4	2.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	3.9	1.3	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: P527455

CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6
2.5°	2818.3	2790.0	2829.8	2770.7	2769.4	2770.7	2754.0	2738.6	2763.0	2828.6	2835.0
5°	2151.0	2211.4	2230.7	2293.7	2259.0	2207.6	2217.9	2183.1	2268.0	2305.3	2275.7
7.5°	1566.0	1562.1	1692.0	1699.7	1716.4	1717.7	1715.1	1647.0	1577.6	1593.0	1639.3
10°	1215.0	1149.4	1212.4	1206.0	1247.1	1235.6	1252.3	1179.0	1203.4	1203.4	1233.0
12.5°	990.0	920.6	909.0	892.3	909.0	915.4	921.9	907.7	948.9	968.1	988.7
15°	756.0	717.4	707.1	675.0	680.1	698.1	713.6	720.0	707.1	736.7	739.3
17.5°	549.0	547.7	554.1	552.9	547.7	543.9	542.6	525.9	520.7	523.3	533.6
20°	416.6	426.9	448.7	470.6	482.1	468.0	448.7	420.4	408.9	411.4	412.7
22.5°	356.1	371.6	401.1	425.6	437.1	411.4	376.7	352.3	347.1	345.9	344.6
25°	322.7	340.7	362.6	370.3	369.0	353.6	327.9	317.6	315.0	312.4	300.9
27.5°	304.7	311.1	315.0	324.0	327.9	317.6	311.1	295.7	293.1	293.1	285.4
30°	294.4	290.6	295.7	289.3	294.4	286.7	288.0	288.0	281.6	284.1	284.1
32.5°	273.9	275.1	275.1	262.3	266.1	257.1	266.1	273.9	275.1	276.4	286.7
35°	200.6	223.7	235.3	235.3	239.1	232.7	231.4	222.4	210.9	199.3	194.1
37.5°	176.1	185.1	200.6	209.6	216.0	210.9	199.3	185.1	178.7	173.6	168.4
40°	156.9	164.6	174.9	185.1	198.0	191.6	173.6	167.1	159.4	159.4	154.3
42.5°	141.4	145.3	151.7	167.1	181.3	168.4	155.6	150.4	146.6	145.3	144.0
45°	127.3	128.6	135.0	147.9	164.6	151.7	138.9	132.4	133.7	135.0	133.7
47.5°	114.4	117.0	120.9	136.3	146.6	140.1	126.0	122.1	122.1	122.1	123.4
50°	99.0	105.4	113.1	126.0	133.7	129.9	118.3	113.1	110.6	110.6	111.9
52.5°	88.7	93.9	104.1	119.6	129.9	123.4	111.9	104.1	99.0	97.7	100.3
55°	77.1	86.1	102.9	114.4	128.6	122.1	109.3	100.3	91.3	90.0	90.0
57.5°	69.4	83.6	99.0	113.1	124.7	119.6	109.3	97.7	86.1	84.9	84.9
60°	65.6	81.0	96.4	109.3	124.7	117.0	108.0	95.1	82.3	82.3	81.0
62.5°	61.7	75.9	91.3	104.1	119.6	113.1	104.1	91.3	78.4	78.4	75.9
65°	51.4	65.6	75.9	87.4	104.1	97.7	88.7	79.7	69.4	66.9	68.1
67.5°	36.0	45.0	55.3	66.9	77.1	74.6	70.7	64.3	55.3	54.0	52.7
70°	18.0	24.4	33.4	45.0	54.0	51.4	48.9	43.7	38.6	37.3	37.3
72.5°	2.6	7.7	14.1	20.6	28.3	29.6	28.3	27.0	25.7	24.4	25.7
75°	0.0	0.0	0.0	5.1	11.6	14.1	16.7	19.3	19.3	16.7	20.6
77.5°	0.0	0.0	0.0	0.0	1.3	6.4	12.9	16.7	20.6	18.0	24.4
80°	0.0	0.0	0.0	0.0	1.3	7.7	12.9	18.0	20.6	18.0	25.7
82.5°	0.0	0.0	0.0	0.0	1.3	9.0	12.9	16.7	19.3	18.0	23.1
85°	0.0	0.0	0.0	0.0	3.9	7.7	5.1	2.6	1.3	1.3	3.9
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: P527455
 CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6
2.5°	2871.0	2962.3	3060.0	3097.3	3213.0	3300.4	3359.6	3486.8	3506.1	3507.4
5°	2306.6	2352.9	2520.0	2598.4	2770.7	2904.4	3047.1	3252.8	3390.4	3400.7
7.5°	1639.3	1767.9	1838.6	2043.0	2255.1	2464.7	2676.9	2916.0	3075.4	3079.3
10°	1319.1	1402.7	1528.7	1681.7	1860.4	2073.9	2356.7	2634.4	2796.4	2836.3
12.5°	1062.0	1208.6	1352.6	1510.7	1647.0	1807.7	2112.4	2482.7	2616.4	2696.1
15°	817.7	951.4	1121.1	1306.3	1460.6	1675.3	2022.4	2445.4	2670.4	2697.4
17.5°	603.0	722.6	879.4	1054.3	1285.7	1590.4	2037.9	2634.4	2846.6	2891.6
20°	433.3	502.7	626.1	829.3	1123.7	1491.4	2053.3	2826.0	3148.7	3225.8
22.5°	343.3	371.6	452.6	632.6	942.4	1387.3	2162.6	3192.4	3564.0	3675.8
25°	298.3	313.7	352.3	498.9	828.0	1377.0	2337.4	3632.1	4116.8	4197.8
27.5°	288.0	290.6	324.0	457.7	766.3	1308.9	2404.3	3944.6	4461.4	4543.7
30°	303.4	344.6	347.1	387.0	651.9	1173.9	2439.0	4246.7	4753.3	4813.7
32.5°	262.3	249.4	258.4	299.6	573.4	1095.4	2504.6	4510.3	5086.3	5128.7
35°	182.6	191.6	212.1	259.7	501.4	1013.1	2521.3	4800.8	5402.6	5446.3
37.5°	168.4	173.6	190.3	221.1	441.0	966.9	2498.1	5013.0	5730.4	5790.8
40°	156.9	163.3	172.3	200.6	396.0	915.4	2466.0	5204.6	5931.0	6080.1
42.5°	147.9	153.0	160.7	191.6	357.4	864.0	2421.0	5474.6	6111.0	6240.8
45°	137.6	145.3	154.3	186.4	335.6	829.3	2387.6	5457.8	6215.1	6284.6
47.5°	127.3	140.1	150.4	173.6	329.1	812.6	2401.7	5394.8	6130.3	6082.7
50°	117.0	133.7	151.7	144.0	313.7	779.1	2418.4	5481.0	5928.4	5919.4
52.5°	108.0	127.3	141.4	118.3	279.0	747.0	2580.4	5594.1	6071.1	5951.6
55°	95.1	114.4	113.1	95.1	226.3	722.6	2707.7	5596.7	5974.7	6019.7
57.5°	86.1	101.6	88.7	79.7	167.1	604.3	2500.7	4692.8	5114.6	5194.3
60°	79.7	99.0	66.9	63.0	109.3	435.9	2183.1	3634.7	4065.4	4215.8
62.5°	73.3	93.9	52.7	51.4	75.9	309.9	1794.9	3042.0	3503.6	3708.0
65°	64.3	66.9	42.4	39.9	54.0	167.1	1092.9	2094.4	2619.0	2694.9
67.5°	52.7	51.4	34.7	32.1	36.0	81.0	482.1	1049.1	1518.4	1645.7
70°	42.4	42.4	29.6	25.7	25.7	37.3	126.0	417.9	686.6	759.9
72.5°	30.9	32.1	23.1	20.6	19.3	18.0	20.6	83.6	180.0	230.1
75°	27.0	28.3	23.1	18.0	14.1	11.6	9.0	7.7	10.3	16.7
77.5°	29.6	29.6	24.4	16.7	12.9	9.0	5.1	2.6	2.6	1.3
80°	37.3	38.6	32.1	21.9	15.4	10.3	6.4	2.6	1.3	1.3
82.5°	39.9	43.7	36.0	27.0	19.3	11.6	6.4	1.3	0.0	0.0
85°	10.3	16.7	28.3	24.4	19.3	11.6	6.4	1.3	0.0	0.0
87.5°	0.0	1.3	3.9	3.9	5.1	5.1	3.9	1.3	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)