

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: P533072

Luminaire Tested: **GALN-SA8C-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35360 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

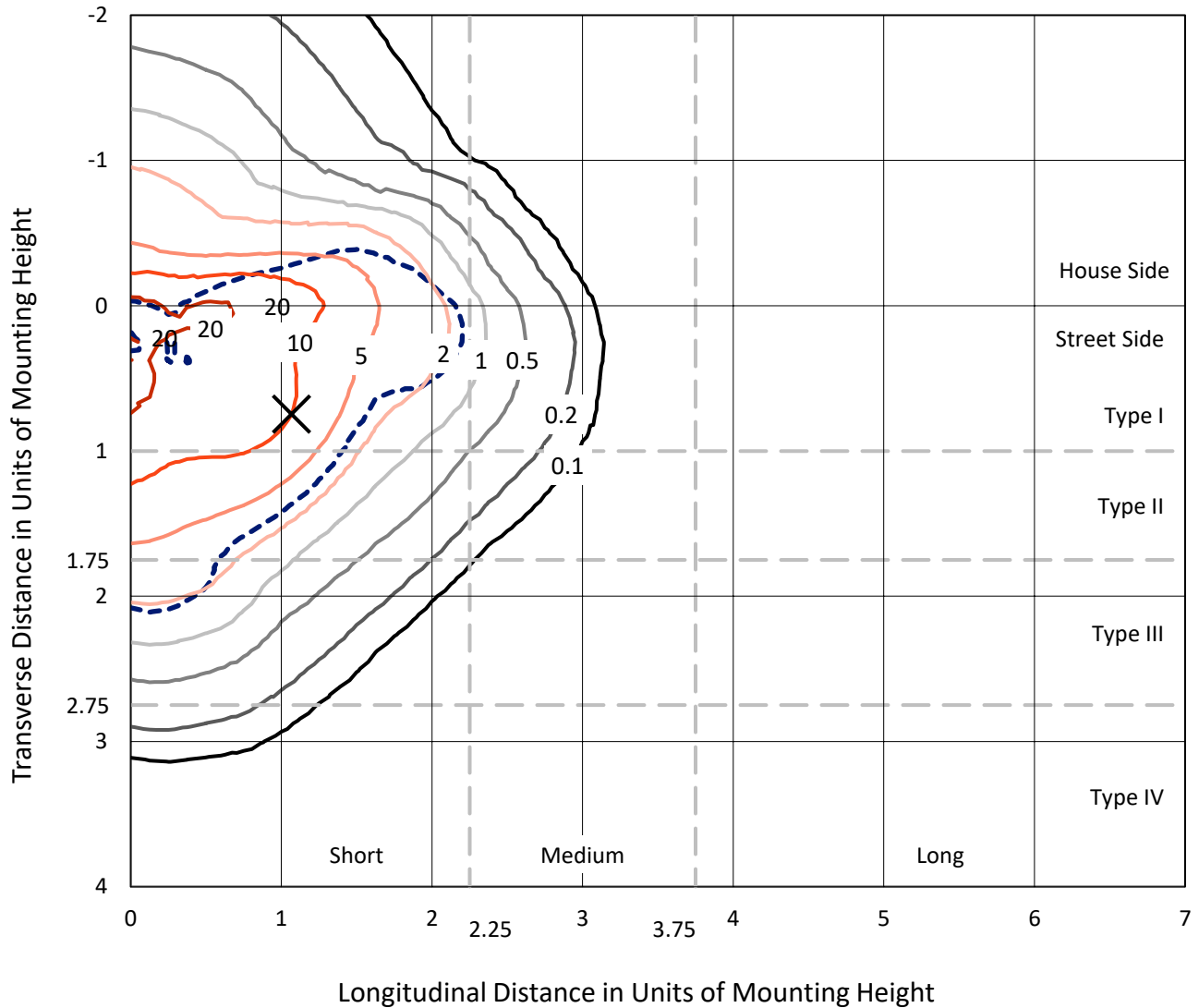
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

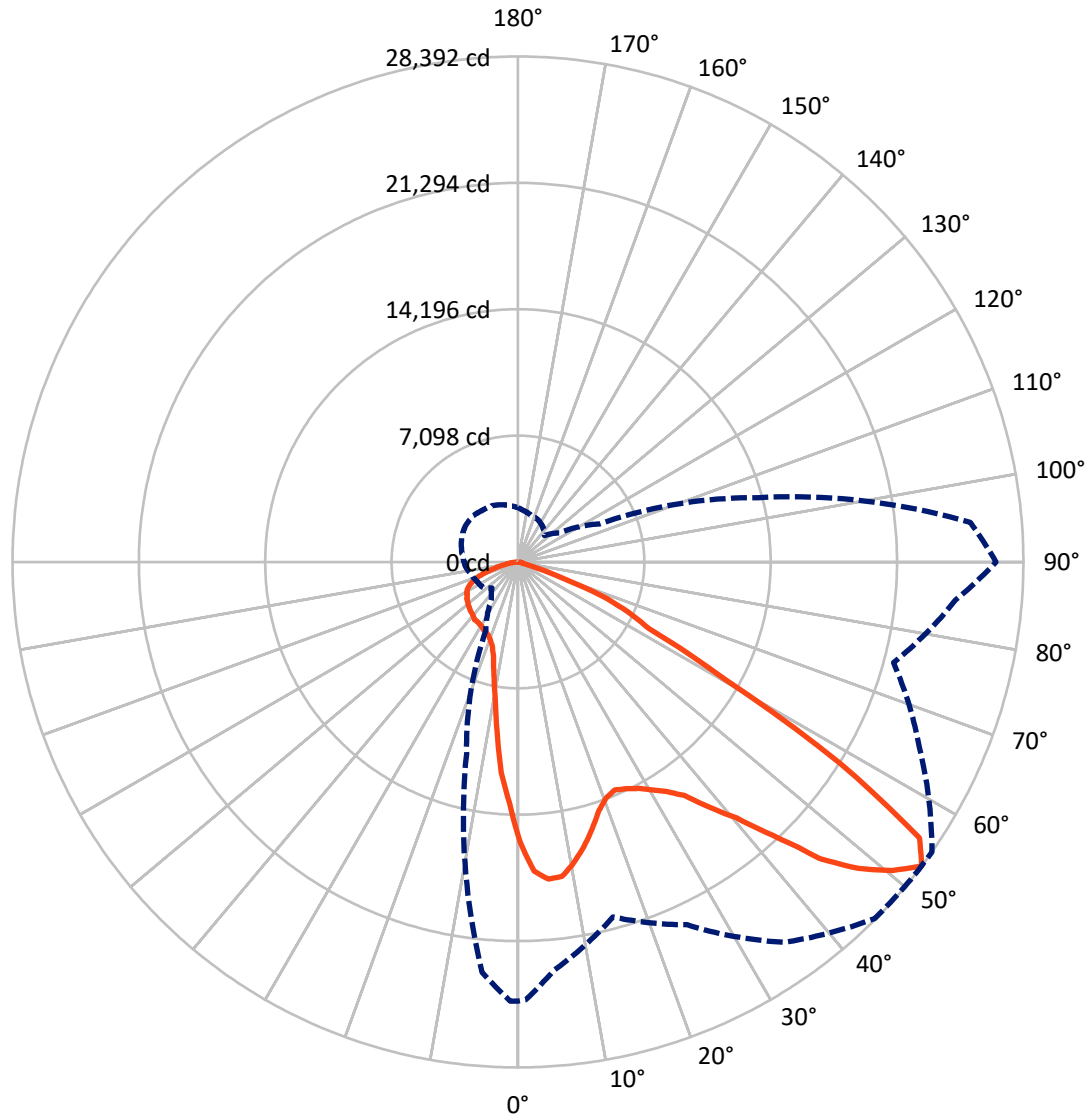
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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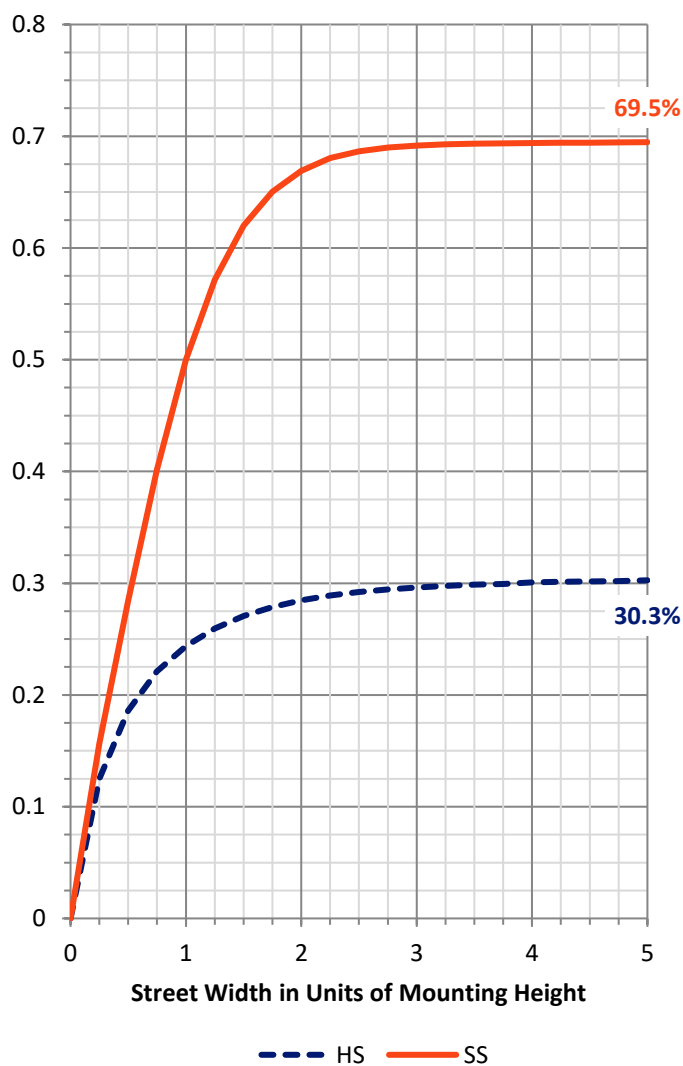
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10786.7	0.0	10786.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	24573.3	0.0	24573.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	35360.0	0.0	35360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1205.1	3.4
10°-20°	2598.2	7.3
20°-30°	3939.8	11.1
30°-40°	5692.4	16.1
40°-50°	7606.6	21.5
50°-60°	8490.6	24.0
60°-70°	4657.5	13.2
70°-80°	1006.9	2.8
80°-90°	162.9	0.5
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°	35360.0	100.0
0°-180°	35360.0	100.0

Coefficient of Utilization



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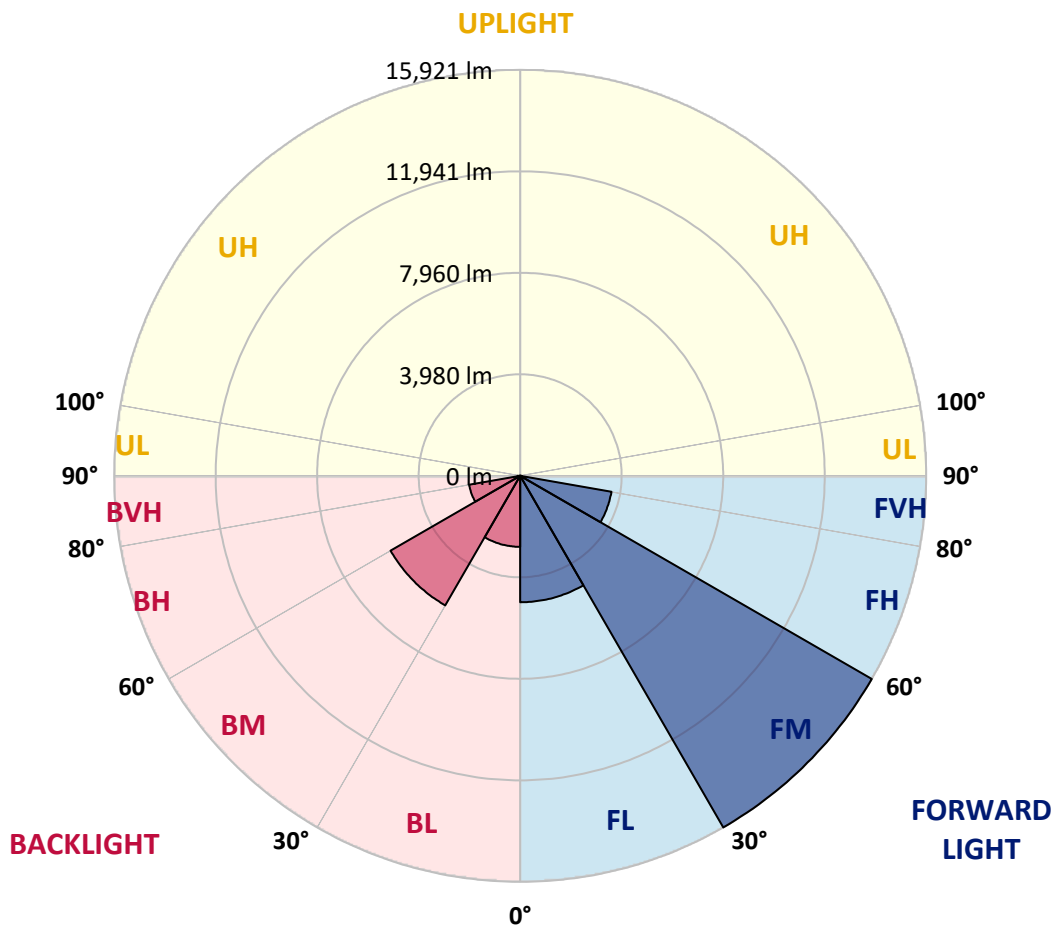
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4958.1	14.0			
FM (30°-60°)	15920.7	45.0			
FH (60°-80°)	3634.1	10.3			G2/5000
FVH (80°-90°)	60.3	0.2			G1/100
BL (0°-30°)	2785.0	7.9	B4/5000		
BM (30°-60°)	5868.9	16.6	B4/8500		
BH (60°-80°)	2030.3	5.7	B3/2500		G3/2500
BVH (80°-90°)	102.6	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3
2.5°	16552.9	16460.0	16542.6	16935.0	17162.2	17317.1	17415.2	17399.7	17027.9	16666.5	16666.5
5°	16067.6	15948.8	16119.2	17007.3	17900.5	17977.9	18107.0	17895.3	17348.0	16687.2	15861.1
7.5°	14663.2	14751.0	15035.0	16201.8	17363.5	17947.0	18101.9	17833.4	16945.3	15711.3	14498.0
10°	13449.9	13656.4	14312.1	15571.9	16640.7	17399.7	17570.1	17193.1	16491.0	14978.2	13893.9
12.5°	13031.7	12902.6	13630.6	14890.4	15912.7	16320.6	16398.0	16423.8	15948.8	14606.4	13284.7
15°	12980.1	13062.7	13630.6	14585.8	15215.7	15236.3	15365.4	15566.8	15628.7	14859.4	13568.6
17.5°	13723.5	13625.4	14208.9	14967.9	14668.4	14368.9	14399.9	14689.0	15200.2	15076.3	14461.9
20°	14823.3	15045.3	15504.8	15427.4	14621.9	13862.9	13868.1	14141.8	15148.6	15974.7	15706.2
22.5°	16651.0	16867.9	17208.6	16274.1	14621.9	13713.2	13537.7	13909.4	15479.0	17043.4	17110.5
25°	18318.7	18716.3	18809.2	17709.5	15355.1	13852.6	13739.0	14105.6	15809.4	18086.4	18721.4
27.5°	19836.7	19981.2	20389.1	18633.7	15763.0	13945.6	13935.2	14405.1	16227.6	18607.8	20161.9
30°	21034.5	21019.0	21251.4	19217.1	16413.5	14467.0	13966.2	14854.3	16774.9	19470.1	21494.0
32.5°	21850.3	22025.8	22516.3	20027.7	16687.2	14962.7	14570.3	15380.9	17441.0	19878.0	22433.7
35°	23285.6	23590.2	22970.7	20476.9	17554.6	15453.2	14993.7	16098.6	17771.4	20322.0	23585.1
37.5°	24638.4	24406.0	23776.1	20719.6	18117.3	16361.9	15933.4	17487.4	18798.9	21287.5	24349.2
40°	25505.8	25500.6	24380.2	20915.8	18514.9	17750.8	17725.0	18897.0	20058.7	21896.7	25206.3
42.5°	25882.7	26244.1	24628.0	20895.1	19351.3	19433.9	19955.4	21003.5	20951.9	22020.7	25185.6
44°	26399.0	26615.8	25056.6	20941.6	19908.9	20569.8	21798.6	22464.7	21731.5	21953.5	25159.8
45°	26378.3	26393.8	24447.3	21003.5	20384.0	21519.8	22619.6	23745.1	22418.2	21809.0	25500.6
47.5°	25774.2	25598.7	23931.0	20544.0	21865.8	24029.1	25046.2	25727.8	23265.0	21499.2	25077.2
50°	24581.6	24380.2	22676.4	20347.8	22175.5	25588.4	26992.7	27240.6	24034.3	21194.6	24659.0
52.5°	24664.2	24607.4	23032.6	20642.1	22485.3	26078.9	28330.0	28391.9	24906.8	21834.8	24664.2
55°	26140.8	25944.6	24054.9	21008.7	22258.2	25505.8	27478.1	27369.6	24612.5	21447.6	25118.5
57.5°	23920.7	24049.8	22640.2	19557.9	19480.4	20735.0	21602.4	21334.0	20538.8	19356.5	23368.2
60°	19299.7	19666.3	19800.5	16356.7	14699.4	14054.0	13795.8	13320.8	13455.1	15902.4	20528.5
62.5°	16552.9	16532.3	17373.9	14828.4	9629.2	8281.6	8157.7	8266.1	9815.1	15654.5	20105.1
65°	13124.6	13475.7	13733.9	12567.0	7620.7	6149.3	6144.1	6830.8	8493.3	13083.3	16232.8
67.5°	8333.3	8792.8	9112.9	8039.0	5096.0	4378.3	4259.6	5085.7	5885.9	8581.1	9773.8
70°	4698.4	4915.3	5059.8	4636.5	3242.4	2271.8	2137.5	2333.7	3557.4	5555.5	5793.0
72.5°	1812.3	1910.3	2106.5	2122.0	1223.7	733.2	593.8	712.5	1497.3	2199.5	2096.2
75°	278.8	299.5	423.4	506.0	351.1	268.5	284.0	294.3	418.2	567.9	475.0
77.5°	134.2	134.2	129.1	149.7	175.5	191.0	206.5	227.2	247.8	273.6	263.3
80°	87.8	87.8	87.8	103.3	129.1	154.9	175.5	185.9	196.2	216.9	206.5
82.5°	56.8	56.8	56.8	77.4	103.3	129.1	139.4	165.2	185.9	216.9	201.4
85°	31.0	31.0	31.0	51.6	77.4	108.4	103.3	82.6	46.5	5.2	10.3
87.5°	10.3	10.3	10.3	10.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3
2.5°	16232.8	15995.3	15974.7	15489.3	15055.6	14843.9	14673.6	14198.5	14301.8	14028.2	14023.0
5°	15448.0	14962.7	14177.9	13532.5	12887.1	12758.0	12195.3	11704.8	11720.3	11369.2	11431.1
7.5°	14038.5	13702.9	12747.7	11735.7	10878.7	10269.4	9737.6	9417.5	9009.6	8870.2	8797.9
10°	13145.3	12732.2	11658.3	10388.2	9427.8	9102.6	8591.4	8307.4	7889.2	7682.7	7538.1
12.5°	12752.9	12148.8	10806.4	9515.6	8875.4	8539.8	8106.1	7589.8	7094.1	6903.1	6639.8
15°	12794.2	12071.3	10558.6	9164.5	8395.2	7744.7	7357.4	6784.3	6278.3	5942.7	5751.7
17.5°	13418.9	12541.2	10672.1	8896.0	7791.1	6975.4	6216.4	5596.8	5194.1	4941.1	4879.1
20°	14895.6	13702.9	10863.2	8462.3	7187.0	6169.9	5235.4	4590.0	4280.2	4275.1	4280.2
22.5°	16124.4	14942.0	11250.4	8204.2	6583.0	5137.3	4207.9	4001.4	3939.5	4068.5	4084.0
25°	17781.7	16336.1	11916.5	8069.9	6025.3	4378.3	3805.2	3727.8	3722.6	3887.8	3893.0
27.5°	19480.4	17554.6	12314.0	7677.5	5457.4	3985.9	3562.5	3547.1	3629.7	3805.2	3789.7
30°	20636.9	18576.9	13031.7	7207.7	4786.2	3640.0	3464.4	3485.1	3598.7	3732.9	3753.6
32.5°	21984.5	19583.7	13217.6	6949.5	4373.2	3350.9	3226.9	3273.4	3418.0	3629.7	3743.3
35°	23528.3	20296.2	13501.5	6598.5	4218.3	3128.8	3066.9	3118.5	3294.1	3433.5	3557.4
37.5°	24669.3	21556.0	13553.2	6324.8	4047.9	3004.9	2906.8	3077.2	3180.5	3376.7	3438.6
40°	25516.1	22469.8	13687.4	6154.4	3913.6	2844.9	2844.9	2958.5	3097.9	3278.6	3402.5
42.5°	26058.2	23135.9	13785.5	5999.5	3655.5	2798.4	2772.6	2886.2	3072.0	3247.6	3304.4
44°	26388.6	23419.9	13687.4	5855.0	3583.2	2741.6	2741.6	2839.7	2984.3	3190.8	3257.9
45°	26471.3	23776.1	13470.5	5849.8	3495.4	2674.5	2664.2	2850.0	2948.1	3201.1	3242.4
47.5°	26791.4	24215.0	13496.4	5684.6	3283.7	2514.4	2695.1	2777.8	2865.5	3087.5	3226.9
50°	26781.0	24488.6	13439.6	5441.9	3128.8	2333.7	2633.2	2726.1	2813.9	3041.1	3097.9
52.5°	26853.3	25510.9	13961.0	5054.7	2850.0	2101.4	2426.7	2633.2	2741.6	2932.6	3051.4
55°	26817.2	26094.3	14477.4	4765.5	2457.6	1962.0	2251.1	2493.8	2648.7	2850.0	2906.8
57.5°	24493.8	23063.6	13398.3	4223.4	2034.3	1796.8	2003.3	2349.2	2545.4	2751.9	2824.2
60°	20012.2	17776.6	11049.1	3108.2	1672.8	1652.2	1863.9	2302.7	2385.4	2566.1	2690.0
62.5°	18494.3	15592.6	8761.8	2375.0	1430.2	1512.8	1719.3	2080.7	2209.8	2431.8	2545.4
65°	14472.2	10357.2	5426.4	1605.7	1259.8	1357.9	1554.1	1822.6	2034.3	2240.8	2375.0
67.5°	8570.8	5658.8	2684.8	1125.6	1099.7	1203.0	1404.4	1605.7	1848.4	2075.6	2142.7
70°	4667.4	2782.9	1146.2	857.1	934.5	1027.5	1223.7	1363.1	1595.4	1770.9	1884.5
72.5°	1497.3	846.7	573.1	635.1	712.5	820.9	939.7	1110.1	1275.3	1378.5	1471.5
75°	361.4	356.3	407.9	444.0	516.3	598.9	697.0	784.8	913.9	1012.0	1094.6
77.5°	253.0	273.6	314.9	366.6	392.4	423.4	485.3	552.5	609.2	681.5	733.2
80°	196.2	211.7	242.7	268.5	294.3	320.1	351.1	376.9	413.0	459.5	485.3
82.5°	185.9	196.2	227.2	242.7	232.3	227.2	247.8	258.2	263.3	278.8	294.3
85°	15.5	0.0	10.3	36.1	87.8	129.1	139.4	139.4	134.2	144.6	144.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	20.7	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3
2.5°	13961.0	13785.5	13852.6	13935.2	13816.5	13542.8	13615.1	13584.1	13862.9	13842.3	14121.1
5°	11704.8	11431.1	11462.1	11864.8	11735.7	11875.1	11596.3	11560.2	11611.8	11637.6	11684.1
7.5°	8958.0	8921.9	9231.6	9572.4	9732.5	9567.2	9293.6	9231.6	9174.8	9061.3	9319.4
10°	7311.0	7321.3	7300.6	7558.8	7739.5	7703.4	7538.1	7517.5	7409.1	7367.8	7512.3
12.5°	6526.2	6386.8	6319.6	6237.0	6376.4	6469.4	6397.1	6345.5	6350.6	6402.3	6422.9
15°	5767.2	5679.4	5534.9	5441.9	5509.0	5462.6	5436.8	5540.0	5514.2	5503.9	5627.8
17.5°	4915.3	4987.6	4977.2	4874.0	4961.7	4925.6	4920.4	4848.2	4750.1	4677.8	4719.1
20°	4352.5	4486.7	4590.0	4595.2	4641.6	4636.5	4559.0	4337.0	4264.7	4249.2	4259.6
22.5°	4151.1	4223.4	4347.3	4522.9	4522.9	4440.3	4347.3	4089.2	4022.1	3949.8	3918.8
25°	3991.1	4130.5	4290.5	4311.2	4393.8	4316.4	4166.6	4037.6	3898.1	3800.0	3800.0
27.5°	3908.5	4063.4	4182.1	4218.3	4331.8	4269.9	4115.0	3949.8	3784.6	3779.4	3691.6
30°	3872.3	4016.9	4094.3	4182.1	4233.7	4135.6	4089.2	3913.6	3748.4	3707.1	3562.5
32.5°	3763.9	3970.4	4115.0	4094.3	4135.6	4094.3	4027.2	3882.7	3696.8	3603.8	3588.4
35°	3640.0	3846.5	4001.4	4109.8	4135.6	4047.9	4006.6	3810.4	3557.4	3510.9	3350.9
37.5°	3572.9	3696.8	3887.8	4063.4	4099.5	4053.0	3913.6	3712.3	3459.3	3407.7	3268.2
40°	3490.3	3650.3	3800.0	3944.6	4053.0	3939.5	3779.4	3583.2	3469.6	3314.7	3273.4
42.5°	3428.3	3609.0	3732.9	3893.0	4016.9	3867.2	3681.3	3547.1	3387.0	3283.7	3165.0
44°	3407.7	3572.9	3655.5	3851.7	3954.9	3841.4	3686.5	3547.1	3361.2	3268.2	3165.0
45°	3335.4	3562.5	3650.3	3825.9	3913.6	3820.7	3624.5	3485.1	3350.9	3237.3	3128.8
47.5°	3263.1	3418.0	3567.7	3707.1	3769.1	3738.1	3572.9	3402.5	3242.4	3175.3	3072.0
50°	3242.4	3397.3	3536.7	3665.8	3738.1	3676.1	3526.4	3361.2	3175.3	3066.9	2979.1
52.5°	3139.2	3330.2	3485.1	3526.4	3619.3	3583.2	3469.6	3288.9	3113.4	3020.4	2948.1
55°	2989.4	3190.8	3402.5	3454.1	3588.4	3531.6	3361.2	3190.8	3041.1	2901.7	2808.7
57.5°	2932.6	3128.8	3335.4	3402.5	3485.1	3392.2	3350.9	3170.1	2932.6	2860.4	2715.8
60°	2788.1	3035.9	3206.3	3361.2	3366.3	3340.5	3268.2	3061.7	2865.5	2731.3	2628.0
62.5°	2674.5	2906.8	3041.1	3185.6	3273.4	3201.1	3128.8	2937.8	2726.1	2576.4	2457.6
65°	2509.3	2721.0	2834.5	2922.3	3020.4	3010.1	2886.2	2746.8	2524.8	2406.0	2292.4
67.5°	2256.3	2442.2	2597.0	2679.7	2741.6	2726.1	2633.2	2535.1	2307.9	2189.2	2106.5
70°	1951.7	2142.7	2240.8	2287.3	2349.2	2380.2	2307.9	2261.4	2060.1	1905.2	1827.7
72.5°	1569.6	1693.5	1838.1	1879.4	1905.2	1925.8	1925.8	1884.5	1678.0	1616.1	1481.8
75°	1156.5	1254.6	1363.1	1363.1	1409.5	1414.7	1425.0	1399.2	1244.3	1161.7	1130.7
77.5°	784.8	857.1	944.8	981.0	1012.0	1006.8	1001.6	929.4	846.7	810.6	779.6
80°	511.1	583.4	624.7	671.2	702.2	697.0	707.3	655.7	619.6	557.6	567.9
82.5°	304.6	361.4	402.7	459.5	459.5	475.0	475.0	459.5	423.4	392.4	392.4
85°	144.6	191.0	216.9	253.0	273.6	278.8	247.8	211.7	175.5	160.1	175.5
87.5°	25.8	36.1	51.6	46.5	56.8	51.6	51.6	51.6	51.6	41.3	46.5
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: P533072

CATALOG NUMBER: GALN-SA8C-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3	15773.3
2.5°	14017.8	14276.0	14456.7	14756.2	15272.5	15685.5	16108.9	16423.8	16460.0	16552.9
5°	11854.5	11993.9	12453.4	13052.3	13475.7	14172.7	14621.9	15437.7	15742.3	16067.6
7.5°	9257.5	9484.6	10099.0	10501.8	11431.1	12303.7	13207.2	14214.0	14616.8	14663.2
10°	7806.6	8137.1	8555.3	9200.7	9706.6	10677.3	11802.9	12923.3	13372.4	13449.9
12.5°	6856.6	7280.0	7837.6	8302.3	8787.6	9634.4	10713.4	12097.2	12680.6	13031.7
15°	5942.7	6381.6	6996.0	7641.4	8069.9	9081.9	10352.0	11911.3	12670.3	12980.1
17.5°	5003.1	5410.9	5916.9	6613.9	7476.2	8612.1	10295.2	12530.9	13362.1	13723.5
20°	4197.6	4424.8	5013.4	5731.0	6810.1	8131.9	10315.9	13444.7	14663.2	14823.3
22.5°	3882.7	3934.3	4166.6	4827.5	6009.9	7641.4	10682.5	14740.7	16124.4	16651.0
25°	3640.0	3629.7	3691.6	4135.6	5426.4	7450.4	11043.9	15933.4	17745.6	18318.7
27.5°	3505.8	3402.5	3407.7	3825.9	5013.4	7140.6	11508.6	17301.6	19583.7	19836.7
30°	3438.6	3418.0	3356.0	3526.4	4564.2	6675.9	11586.0	18649.1	20667.9	21034.5
32.5°	3397.3	3196.0	3118.5	3180.5	4140.8	6169.9	11875.1	19537.2	22010.3	21850.3
35°	3190.8	3010.1	2958.5	3020.4	3841.4	5885.9	11684.1	20311.7	23017.1	23285.6
37.5°	3113.4	2953.3	2850.0	2798.4	3562.5	5648.4	11586.0	21504.3	23993.0	24638.4
40°	3041.1	2870.7	2746.8	2695.1	3345.7	5333.5	11555.0	22423.4	25118.5	25505.8
42.5°	2958.5	2850.0	2710.6	2617.7	3082.4	5018.5	11198.8	22707.3	25464.4	25882.7
44°	2932.6	2767.4	2622.9	2591.9	2979.1	4858.5	11126.5	22965.5	25763.9	26399.0
45°	2906.8	2751.9	2586.7	2545.4	2943.0	4770.7	11028.4	23027.5	26259.6	26378.3
47.5°	2834.5	2736.4	2576.4	2462.8	2865.5	4579.7	10734.1	22676.4	25753.6	25774.2
50°	2777.8	2664.2	2498.9	2276.9	2762.3	4419.6	10868.3	22547.3	24535.1	24581.6
52.5°	2715.8	2545.4	2452.5	2070.4	2591.9	4285.4	11152.3	23130.7	24674.5	24664.2
55°	2643.5	2457.6	2230.5	1894.9	2307.9	4115.0	11839.0	24282.1	25965.3	26140.8
57.5°	2529.9	2369.9	2044.6	1740.0	1982.6	3789.7	11617.0	22077.5	23889.7	23920.7
60°	2380.2	2230.5	1853.6	1621.2	1626.4	2989.4	10388.2	17203.5	18850.5	19299.7
62.5°	2235.6	2153.0	1693.5	1450.8	1383.7	2380.2	8782.4	14296.6	16181.2	16552.9
65°	2065.2	1863.9	1554.1	1321.8	1187.5	1667.7	6221.5	10682.5	12623.8	13124.6
67.5°	1848.4	1631.5	1368.2	1161.7	1017.1	1115.2	3211.5	6071.8	8039.0	8333.3
70°	1616.1	1414.7	1151.4	981.0	820.9	769.3	1414.7	2896.5	4393.8	4698.4
72.5°	1326.9	1141.0	919.0	774.5	614.4	531.8	475.0	774.5	1559.3	1812.3
75°	960.3	831.3	691.9	552.5	433.7	340.8	278.8	232.3	258.2	278.8
77.5°	707.3	604.1	511.1	392.4	304.6	242.7	191.0	144.6	139.4	134.2
80°	552.5	490.5	407.9	314.9	237.5	180.7	134.2	98.1	87.8	87.8
82.5°	433.7	402.7	335.6	258.2	196.2	144.6	98.1	67.1	56.8	56.8
85°	165.2	165.2	242.7	211.7	149.7	103.3	67.1	36.1	31.0	31.0
87.5°	41.3	41.3	41.3	41.3	36.1	31.0	31.0	15.5	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)