

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: P534008

Luminaire Tested: **GALN-SA9C-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534008
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-SA9C-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 39697 lumens
Efficiency: N/A
Efficacy: 82.5 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

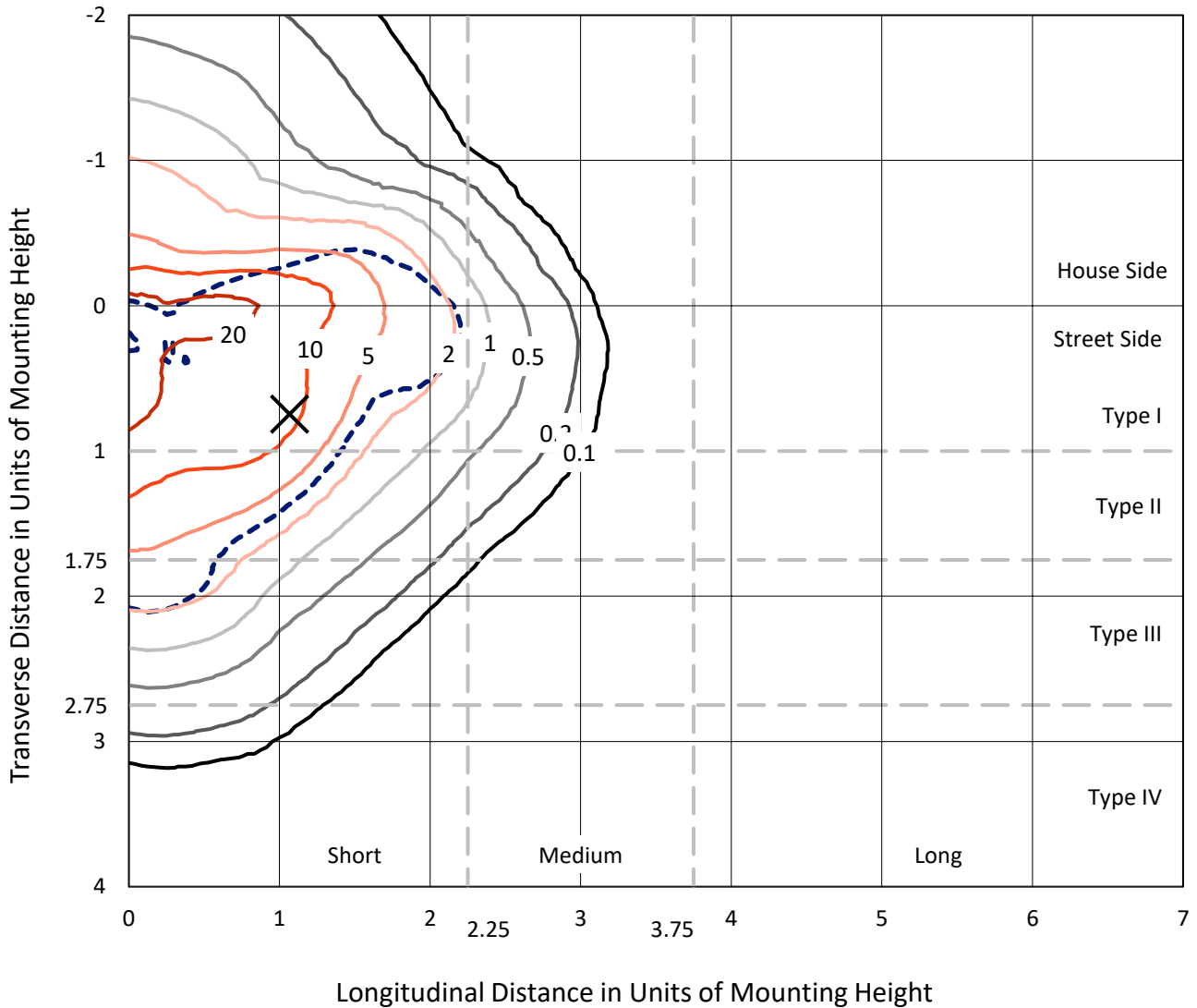
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

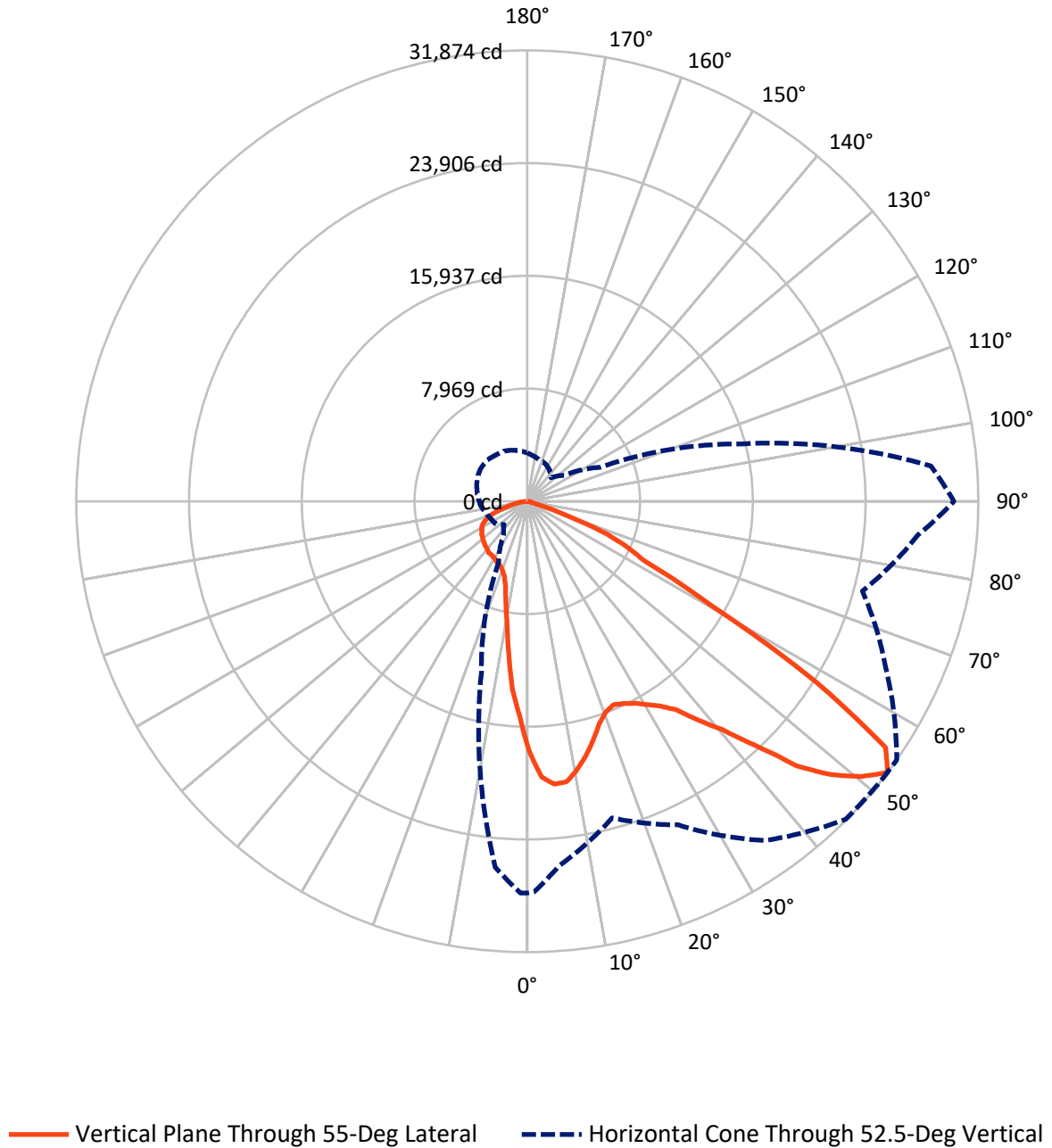
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 30.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12109.7	0.0	12109.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	27587.3	0.0	27587.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	39697.0	0.0	39697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1352.9	3.4
10°-20°	2916.9	7.3
20°-30°	4423.0	11.1
30°-40°	6390.6	16.1
40°-50°	8539.5	21.5
50°-60°	9532.0	24.0
60°-70°	5228.7	13.2
70°-80°	1130.4	2.8
80°-90°	182.9	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°	39697.0	100.0
0°-180°	39697.0	100.0

Coefficient of Utilization

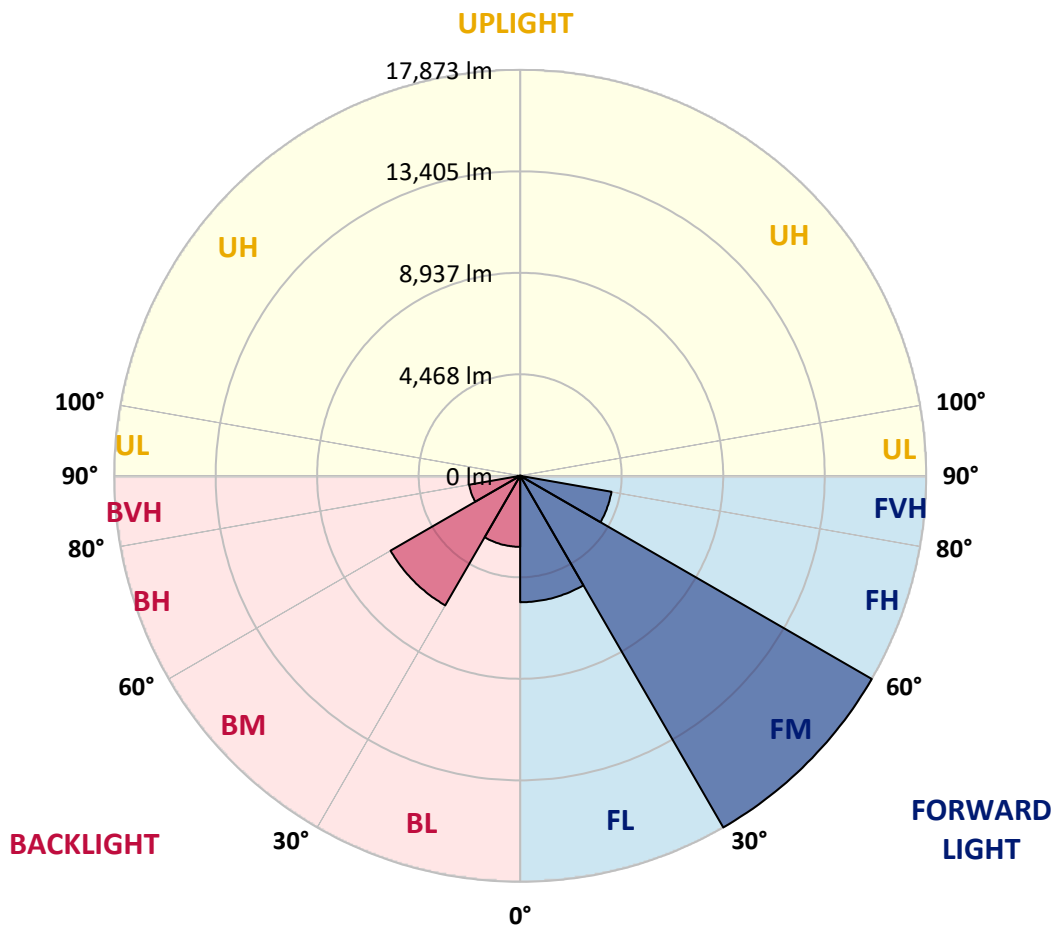


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5566.2	14.0			
FM (30°-60°)	17873.5	45.0			
FH (60°-80°)	4079.9	10.3			G2/5000
FVH (80°-90°)	67.7	0.2			G1/100
BL (0°-30°)	3126.6	7.9	B4/5000		
BM (30°-60°)	6588.7	16.6	B4/8500		
BH (60°-80°)	2279.3	5.7	B3/2500		G3/2500
BVH (80°-90°)	115.2	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°	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9
2.5°	18583.2	18478.9	18571.6	19012.1	19267.2	19441.0	19551.2	19533.8	19116.5	18710.7	18710.7
5°	18038.3	17905.0	18096.3	19093.3	20096.0	20183.0	20327.9	20090.2	19475.8	18733.9	17806.5
7.5°	16461.7	16560.3	16879.1	18189.0	19493.2	20148.2	20322.1	20020.7	19023.7	17638.4	16276.2
10°	15099.6	15331.4	16067.6	17481.9	18681.7	19533.8	19725.1	19301.9	18513.6	16815.3	15598.1
12.5°	14630.1	14485.1	15302.4	16716.8	17864.4	18322.3	18409.3	18438.3	17905.0	16398.0	14914.1
15°	14572.1	14664.8	15302.4	16374.8	17081.9	17105.1	17250.0	17476.1	17545.6	16682.0	15232.9
17.5°	15406.8	15296.6	15951.6	16803.7	16467.5	16131.3	16166.1	16490.7	17064.5	16925.4	16235.7
20°	16641.4	16890.6	17406.5	17319.6	16415.3	15563.3	15569.1	15876.3	17006.6	17934.0	17632.6
22.5°	18693.3	18936.8	19319.3	18270.2	16415.3	15395.2	15198.1	15615.4	17377.5	19133.8	19209.2
25°	20565.5	21011.9	21116.2	19881.6	17238.4	15551.7	15424.2	15835.7	17748.5	20304.7	21017.7
27.5°	22269.7	22432.0	22889.9	20919.1	17696.3	15656.0	15644.4	16171.9	18218.0	20890.1	22634.9
30°	23614.4	23597.1	23857.9	21574.1	18426.7	16241.4	15679.2	16676.2	18832.4	21858.1	24130.3
32.5°	24530.3	24727.3	25278.0	22484.1	18733.9	16797.9	16357.4	17267.4	19580.2	22316.1	25185.3
35°	26141.7	26483.6	25788.1	22988.4	19707.7	17348.6	16832.7	18073.1	19951.1	22814.5	26477.9
37.5°	27660.3	27399.5	26692.3	23260.9	20339.5	18368.7	17887.6	19632.3	21104.6	23898.5	27335.7
40°	28634.1	28628.3	27370.5	23481.1	20785.8	19927.9	19899.0	21214.7	22518.9	24582.4	28297.9
42.5°	29057.2	29463.0	27648.7	23457.9	21724.8	21817.6	22403.0	23579.7	23521.7	24721.5	28274.7
44°	29636.9	29880.3	28129.8	23510.1	22350.8	23092.8	24472.3	25220.0	24397.0	24646.2	28245.7
45°	29613.7	29631.1	27445.8	23579.7	22884.1	24159.3	25393.9	26657.5	25167.9	24483.9	28628.3
47.5°	28935.5	28738.4	26866.2	23063.8	24547.7	26976.3	28118.2	28883.3	26118.5	24136.1	28153.0
50°	27596.6	27370.5	25457.7	22843.5	24895.4	28726.8	30303.5	30581.7	26982.1	23794.1	27683.5
52.5°	27689.3	27625.5	25857.6	23173.9	25243.2	29277.5	31804.7	31874.3	27961.7	24512.9	27689.3
55°	29347.1	29126.8	27005.3	23585.5	24988.2	28634.1	30848.3	30726.6	27631.3	24078.2	28199.4
57.5°	26854.6	26999.5	25417.1	21956.7	21869.7	23278.3	24252.0	23950.6	23058.0	21730.6	26234.4
60°	21666.9	22078.4	22229.1	18362.9	16502.3	15777.7	15487.9	14954.7	15105.4	17852.8	23046.4
62.5°	18583.2	18560.0	19504.8	16647.2	10810.2	9297.4	9158.3	9280.0	11018.9	17574.6	22571.1
65°	14734.4	15128.5	15418.4	14108.4	8555.5	6903.5	6897.7	7668.6	9535.0	14688.0	18223.8
67.5°	9355.4	9871.2	10230.6	9025.0	5721.0	4915.3	4782.0	5709.4	6607.9	9633.6	10972.5
70°	5274.7	5518.2	5680.4	5205.1	3640.1	2550.4	2399.7	2620.0	3993.7	6236.9	6503.5
72.5°	2034.5	2144.7	2364.9	2382.3	1373.7	823.1	666.6	799.9	1680.9	2469.3	2353.3
75°	313.0	336.2	475.3	568.0	394.2	301.4	318.8	330.4	469.5	637.6	533.3
77.5°	150.7	150.7	144.9	168.1	197.1	214.5	231.9	255.0	278.2	307.2	295.6
80°	98.5	98.5	98.5	115.9	144.9	173.9	197.1	208.7	220.3	243.4	231.9
82.5°	63.8	63.8	63.8	86.9	115.9	144.9	156.5	185.5	208.7	243.4	226.1
85°	34.8	34.8	34.8	58.0	86.9	121.7	115.9	92.7	52.2	5.8	11.6
87.5°	11.6	11.6	11.6	11.6	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°	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9
2.5°	18223.8	17957.2	17934.0	17389.1	16902.2	16664.6	16473.3	15940.0	16056.0	15748.8	15743.0
5°	17342.8	16797.9	15916.9	15192.3	14467.8	14322.8	13691.0	13140.4	13157.8	12763.6	12833.2
7.5°	15760.3	15383.6	14311.3	13175.2	12213.0	11529.0	10932.0	10572.6	10114.7	9958.2	9877.0
10°	14757.6	14293.9	13088.2	11662.3	10584.2	10219.0	9645.2	9326.4	8856.9	8625.0	8462.7
12.5°	14317.1	13638.9	12131.8	10682.7	9964.0	9587.2	9100.3	8520.7	7964.2	7749.8	7454.1
15°	14363.4	13551.9	11853.6	10288.6	9424.9	8694.6	8259.8	7616.4	7048.4	6671.6	6457.2
17.5°	15064.8	14079.4	11981.1	9987.2	8746.7	7830.9	6978.8	6283.3	5831.2	5547.1	5477.6
20°	16722.5	15383.6	12195.6	9500.3	8068.6	6926.7	5877.5	5153.0	4805.2	4799.4	4805.2
22.5°	18102.1	16774.7	12630.3	9210.4	7390.4	5767.4	4724.0	4492.2	4422.6	4567.5	4584.9
25°	19962.7	18339.7	13378.0	9059.7	6764.4	4915.3	4271.9	4185.0	4179.2	4364.7	4370.5
27.5°	21869.7	19707.7	13824.4	8619.2	6126.8	4474.8	3999.5	3982.1	4074.9	4271.9	4254.5
30°	23168.1	20855.4	14630.1	8091.7	5373.2	4086.4	3889.4	3912.6	4040.1	4190.8	4214.0
32.5°	24681.0	21985.7	14838.7	7801.9	4909.5	3761.8	3622.7	3674.9	3837.2	4074.9	4202.4
35°	26414.1	22785.6	15157.5	7407.8	4735.6	3512.6	3443.0	3501.0	3698.1	3854.6	3993.7
37.5°	27695.1	24199.9	15215.5	7100.6	4544.4	3373.5	3263.4	3454.6	3570.6	3790.8	3860.4
40°	28645.7	25225.8	15366.2	6909.3	4393.7	3193.8	3193.8	3321.3	3477.8	3680.7	3819.8
42.5°	29254.3	25973.6	15476.3	6735.4	4103.8	3141.6	3112.7	3240.2	3448.8	3645.9	3709.7
44°	29625.3	26292.4	15366.2	6573.1	4022.7	3077.9	3077.9	3188.0	3350.3	3582.2	3657.5
45°	29718.0	26692.3	15122.7	6567.3	3924.1	3002.5	2990.9	3199.6	3309.7	3593.8	3640.1
47.5°	30077.4	27185.0	15151.7	6381.8	3686.5	2822.8	3025.7	3118.5	3217.0	3466.2	3622.7
50°	30065.8	27492.2	15088.0	6109.4	3512.6	2620.0	2956.2	3060.5	3159.0	3414.1	3477.8
52.5°	30147.0	28639.9	15673.4	5674.7	3199.6	2359.1	2724.3	2956.2	3077.9	3292.3	3425.7
55°	30106.4	29294.9	16253.0	5350.1	2759.1	2202.6	2527.2	2799.7	2973.5	3199.6	3263.4
57.5°	27498.0	25892.4	15041.6	4741.4	2283.8	2017.1	2249.0	2637.4	2857.6	3089.5	3170.6
60°	22466.8	19956.9	12404.2	3489.4	1878.0	1854.8	2092.5	2585.2	2677.9	2880.8	3019.9
62.5°	20762.6	17505.1	9836.5	2666.3	1605.6	1698.3	1930.2	2335.9	2480.8	2730.1	2857.6
65°	16247.2	11627.5	6092.0	1802.7	1414.3	1524.4	1744.7	2046.1	2283.8	2515.6	2666.3
67.5°	9622.0	6352.8	3014.1	1263.6	1234.6	1350.6	1576.6	1802.7	2075.1	2330.1	2405.5
70°	5239.9	3124.2	1286.8	962.2	1049.1	1153.5	1373.7	1530.2	1791.1	1988.2	2115.7
72.5°	1680.9	950.6	643.4	713.0	799.9	921.6	1054.9	1246.2	1431.7	1547.6	1652.0
75°	405.7	400.0	457.9	498.5	579.6	672.4	782.5	881.0	1026.0	1136.1	1228.8
77.5°	284.0	307.2	353.6	411.5	440.5	475.3	544.9	620.2	684.0	765.1	823.1
80°	220.3	237.7	272.4	301.4	330.4	359.4	394.2	423.1	463.7	515.9	544.9
82.5°	208.7	220.3	255.0	272.4	260.8	255.0	278.2	289.8	295.6	313.0	330.4
85°	17.4	0.0	11.6	40.6	98.5	144.9	156.5	156.5	150.7	162.3	162.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	23.2	17.4
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°	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9
2.5°	15673.4	15476.3	15551.7	15644.4	15511.1	15203.9	15285.0	15250.3	15563.3	15540.1	15853.1
5°	13140.4	12833.2	12868.0	13320.1	13175.2	13331.7	13018.7	12978.1	13036.1	13065.0	13117.2
7.5°	10056.7	10016.1	10363.9	10746.5	10926.2	10740.7	10433.5	10363.9	10300.2	10172.6	10462.5
10°	8207.7	8219.3	8196.1	8485.9	8688.8	8648.2	8462.7	8439.5	8317.8	8271.4	8433.7
12.5°	7326.6	7170.1	7094.8	7002.0	7158.5	7262.9	7181.7	7123.7	7129.5	7187.5	7210.7
15°	6474.6	6376.0	6213.7	6109.4	6184.7	6132.6	6103.6	6219.5	6190.5	6178.9	6318.1
17.5°	5518.2	5599.3	5587.7	5471.8	5570.3	5529.7	5523.9	5442.8	5332.7	5251.5	5297.9
20°	4886.3	5037.1	5153.0	5158.8	5210.9	5205.1	5118.2	4869.0	4787.8	4770.4	4782.0
22.5°	4660.3	4741.4	4880.5	5077.6	5077.6	4984.9	4880.5	4590.7	4515.4	4434.2	4399.5
25°	4480.6	4637.1	4816.8	4840.0	4932.7	4845.8	4677.7	4532.8	4376.3	4266.1	4266.1
27.5°	4387.9	4561.7	4695.1	4735.6	4863.2	4793.6	4619.7	4434.2	4248.7	4242.9	4144.4
30°	4347.3	4509.6	4596.5	4695.1	4753.0	4642.9	4590.7	4393.7	4208.2	4161.8	3999.5
32.5°	4225.6	4457.4	4619.7	4596.5	4642.9	4596.5	4521.2	4358.9	4150.2	4045.9	4028.5
35°	4086.4	4318.3	4492.2	4613.9	4642.9	4544.4	4498.0	4277.7	3993.7	3941.5	3761.8
37.5°	4011.1	4150.2	4364.7	4561.7	4602.3	4550.2	4393.7	4167.6	3883.6	3825.6	3669.1
40°	3918.4	4098.0	4266.1	4428.4	4550.2	4422.6	4242.9	4022.7	3895.2	3721.3	3674.9
42.5°	3848.8	4051.7	4190.8	4370.5	4509.6	4341.5	4132.8	3982.1	3802.4	3686.5	3553.2
44°	3825.6	4011.1	4103.8	4324.1	4440.0	4312.5	4138.6	3982.1	3773.4	3669.1	3553.2
45°	3744.5	3999.5	4098.0	4295.1	4393.7	4289.3	4069.1	3912.6	3761.8	3634.3	3512.6
47.5°	3663.3	3837.2	4005.3	4161.8	4231.4	4196.6	4011.1	3819.8	3640.1	3564.8	3448.8
50°	3640.1	3814.0	3970.5	4115.4	4196.6	4127.0	3958.9	3773.4	3564.8	3443.0	3344.5
52.5°	3524.2	3738.7	3912.6	3958.9	4063.3	4022.7	3895.2	3692.3	3495.2	3390.9	3309.7
55°	3356.1	3582.2	3819.8	3877.8	4028.5	3964.7	3773.4	3582.2	3414.1	3257.6	3153.2
57.5°	3292.3	3512.6	3744.5	3819.8	3912.6	3808.2	3761.8	3559.0	3292.3	3211.2	3048.9
60°	3130.0	3408.3	3599.6	3773.4	3779.2	3750.3	3669.1	3437.3	3217.0	3066.3	2950.4
62.5°	3002.5	3263.4	3414.1	3576.4	3674.9	3593.8	3512.6	3298.1	3060.5	2892.4	2759.1
65°	2817.0	3054.7	3182.2	3280.7	3390.9	3379.3	3240.2	3083.7	2834.4	2701.1	2573.6
67.5°	2533.0	2741.7	2915.6	3008.3	3077.9	3060.5	2956.2	2846.0	2591.0	2457.7	2364.9
70°	2191.0	2405.5	2515.6	2567.8	2637.4	2672.1	2591.0	2538.8	2312.8	2138.9	2051.9
72.5°	1762.1	1901.2	2063.5	2109.9	2138.9	2162.0	2162.0	2115.7	1883.8	1814.3	1663.6
75°	1298.4	1408.5	1530.2	1530.2	1582.4	1588.2	1599.8	1570.8	1396.9	1304.2	1269.4
77.5°	881.0	962.2	1060.7	1101.3	1136.1	1130.3	1124.5	1043.3	950.6	910.0	875.3
80°	573.8	655.0	701.4	753.5	788.3	782.5	794.1	736.1	695.6	626.0	637.6
82.5°	342.0	405.7	452.1	515.9	515.9	533.3	533.3	515.9	475.3	440.5	440.5
85°	162.3	214.5	243.4	284.0	307.2	313.0	278.2	237.7	197.1	179.7	197.1
87.5°	29.0	40.6	58.0	52.2	63.8	58.0	58.0	58.0	58.0	46.4	52.2
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: P534008

CATALOG NUMBER: GALN-SA9C-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9	17707.9
2.5°	15737.2	16027.0	16229.9	16566.0	17145.7	17609.4	18084.7	18438.3	18478.9	18583.2
5°	13308.5	13465.0	13980.9	14653.2	15128.5	15911.1	16415.3	17331.2	17673.2	18038.3
7.5°	10392.9	10647.9	11337.7	11789.8	12833.2	13812.8	14827.1	15957.4	16409.5	16461.7
10°	8764.1	9135.1	9604.6	10329.1	10897.2	11986.9	13250.5	14508.3	15012.6	15099.6
12.5°	7697.6	8172.9	8798.9	9320.6	9865.4	10816.0	12027.5	13580.9	14235.9	14630.1
15°	6671.6	7164.3	7854.1	8578.6	9059.7	10195.8	11621.7	13372.2	14224.3	14572.1
17.5°	5616.7	6074.6	6642.6	7425.2	8393.2	9668.4	11558.0	14067.8	15001.0	15406.8
20°	4712.5	4967.5	5628.3	6434.0	7645.4	9129.3	11581.2	15093.8	16461.7	16641.4
22.5°	4358.9	4416.8	4677.7	5419.6	6747.0	8578.6	11992.7	16548.7	18102.1	18693.3
25°	4086.4	4074.9	4144.4	4642.9	6092.0	8364.2	12398.5	17887.6	19922.1	20565.5
27.5°	3935.7	3819.8	3825.6	4295.1	5628.3	8016.4	12920.1	19423.7	21985.7	22269.7
30°	3860.4	3837.2	3767.6	3958.9	5124.0	7494.7	13007.1	20936.5	23202.9	23614.4
32.5°	3814.0	3588.0	3501.0	3570.6	4648.7	6926.7	13331.7	21933.5	24710.0	24530.3
35°	3582.2	3379.3	3321.3	3390.9	4312.5	6607.9	13117.2	22802.9	25840.3	26141.7
37.5°	3495.2	3315.5	3199.6	3141.6	3999.5	6341.2	13007.1	24141.9	26935.8	27660.3
40°	3414.1	3222.8	3083.7	3025.7	3756.1	5987.7	12972.3	25173.7	28199.4	28634.1
42.5°	3321.3	3199.6	3043.1	2938.8	3460.4	5634.1	12572.3	25492.5	28587.7	29057.2
44°	3292.3	3106.9	2944.6	2909.8	3344.5	5454.4	12491.2	25782.3	28923.9	29636.9
45°	3263.4	3089.5	2904.0	2857.6	3303.9	5355.9	12381.1	25851.8	29480.4	29613.7
47.5°	3182.2	3072.1	2892.4	2764.9	3217.0	5141.4	12050.7	25457.7	28912.3	28935.5
50°	3118.5	2990.9	2805.4	2556.2	3101.1	4961.7	12201.4	25312.8	27544.4	27596.6
52.5°	3048.9	2857.6	2753.3	2324.3	2909.8	4811.0	12520.2	25967.8	27700.9	27689.3
55°	2967.7	2759.1	2504.0	2127.3	2591.0	4619.7	13291.1	27260.4	29150.0	29347.1
57.5°	2840.2	2660.5	2295.4	1953.4	2225.8	4254.5	13041.8	24785.3	26819.8	26854.6
60°	2672.1	2504.0	2080.9	1820.1	1825.9	3356.1	11662.3	19313.5	21162.6	21666.9
62.5°	2509.8	2417.1	1901.2	1628.8	1553.4	2672.1	9859.6	16050.2	18165.8	18583.2
65°	2318.6	2092.5	1744.7	1483.9	1333.2	1872.2	6984.6	11992.7	14172.1	14734.4
67.5°	2075.1	1831.7	1536.0	1304.2	1141.9	1252.0	3605.3	6816.5	9025.0	9355.4
70°	1814.3	1588.2	1292.6	1101.3	921.6	863.7	1588.2	3251.8	4932.7	5274.7
72.5°	1489.7	1281.0	1031.8	869.5	689.8	597.0	533.3	869.5	1750.5	2034.5
75°	1078.1	933.2	776.7	620.2	486.9	382.6	313.0	260.8	289.8	313.0
77.5°	794.1	678.2	573.8	440.5	342.0	272.4	214.5	162.3	156.5	150.7
80°	620.2	550.7	457.9	353.6	266.6	202.9	150.7	110.1	98.5	98.5
82.5°	486.9	452.1	376.8	289.8	220.3	162.3	110.1	75.4	63.8	63.8
85°	185.5	185.5	272.4	237.7	168.1	115.9	75.4	40.6	34.8	34.8
87.5°	46.4	46.4	46.4	46.4	40.6	34.8	34.8	17.4	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)