

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: P533124

Luminaire Tested: **GALN-SA8C-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533124
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-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 39387 lumens
Efficiency: N/A
Efficacy: 91.8 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

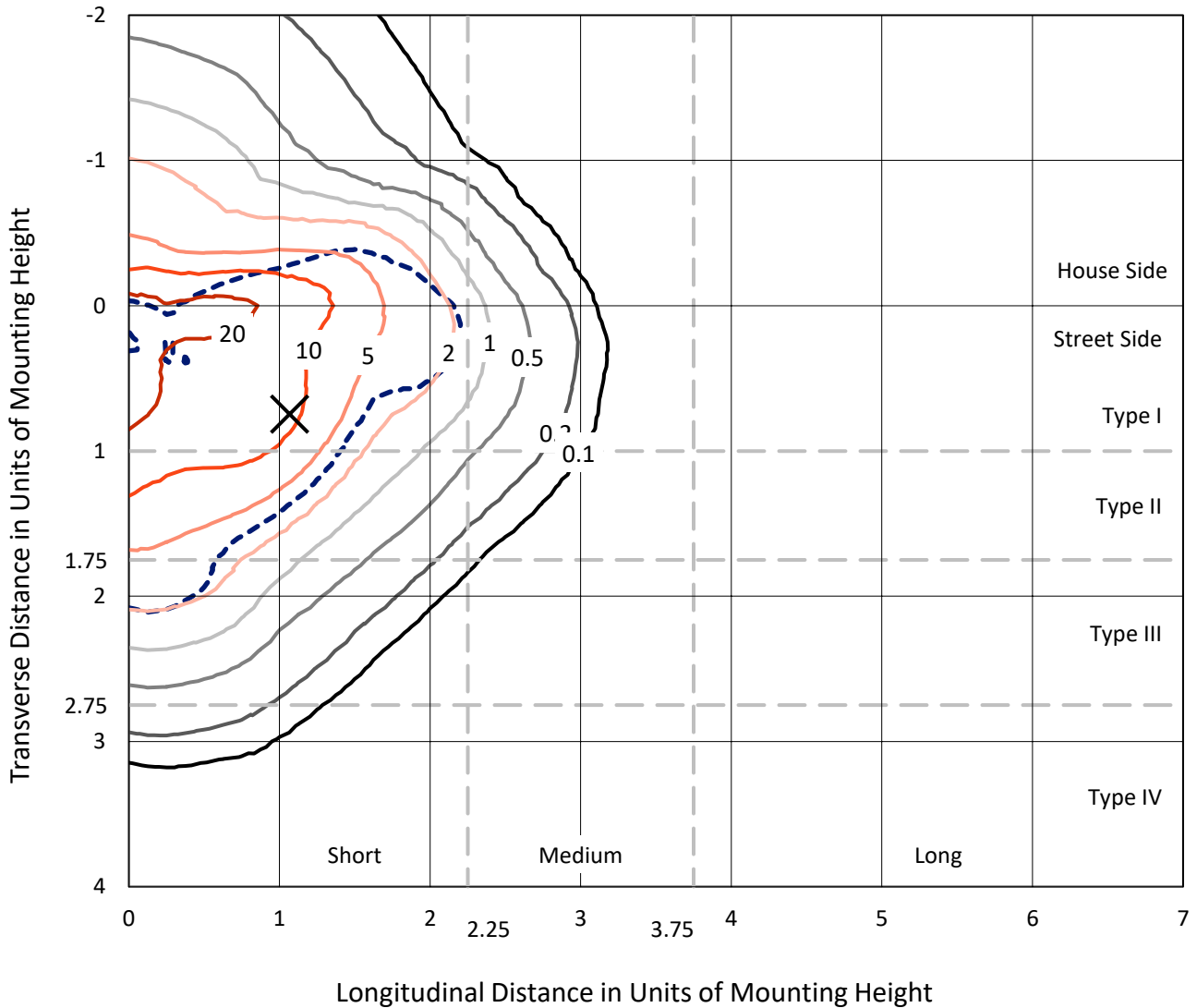
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

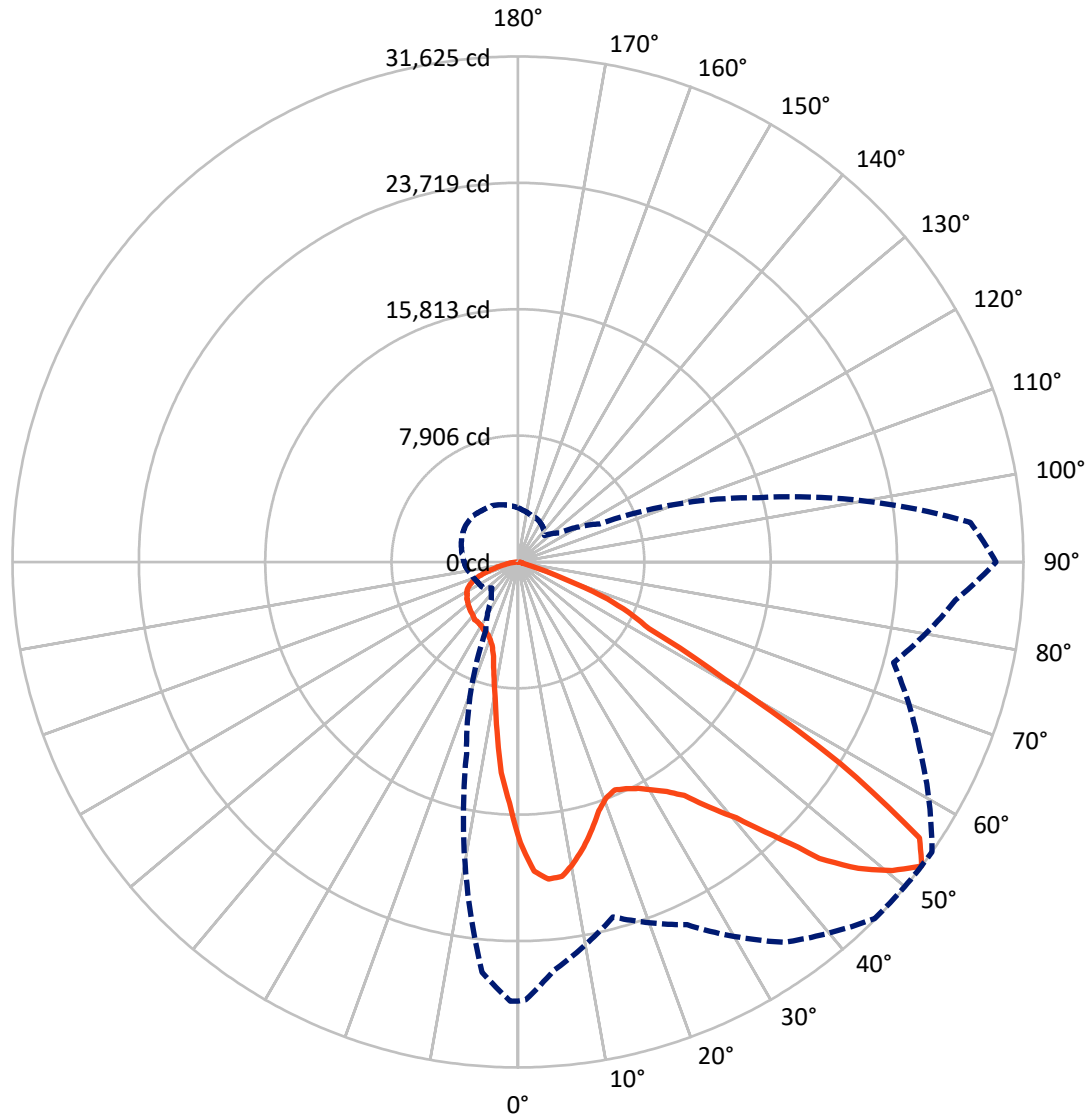
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.9 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	12015.2	0.0	12015.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	27371.8	0.0	27371.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	39387.0	0.0	39387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1342.3	3.4
10°-20°	2894.1	7.3
20°-30°	4388.5	11.1
30°-40°	6340.7	16.1
40°-50°	8472.9	21.5
50°-60°	9457.6	24.0
60°-70°	5187.9	13.2
70°-80°	1121.6	2.8
80°-90°	181.4	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°	39387.0	100.0
0°-180°	39387.0	100.0

Coefficient of Utilization

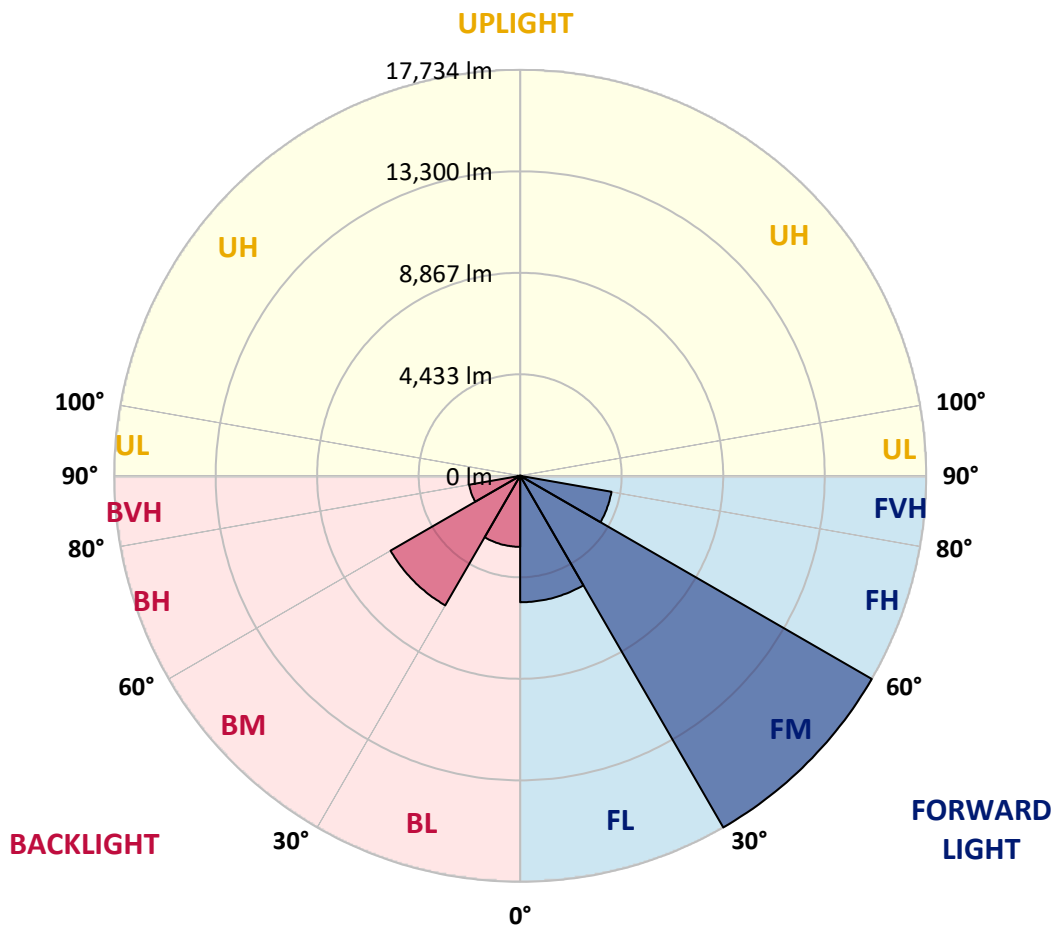


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5522.8	14.0			
FM (30°-60°)	17733.9	45.0			
FH (60°-80°)	4048.0	10.3			G2/5000
FVH (80°-90°)	67.2	0.2			G1/100
BL (0°-30°)	3102.1	7.9	B4/5000		
BM (30°-60°)	6537.2	16.6	B4/8500		
BH (60°-80°)	2261.5	5.7	B3/2500		G3/2500
BVH (80°-90°)	114.3	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°	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6
2.5°	18438.1	18334.5	18426.6	18863.6	19116.7	19289.2	19398.5	19381.2	18967.2	18564.6	18564.6
5°	17897.5	17765.2	17955.0	18944.2	19939.1	20025.4	20169.2	19933.4	19323.7	18587.6	17667.4
7.5°	16333.2	16430.9	16747.2	18047.0	19341.0	19990.9	20163.4	19864.3	18875.2	17500.6	16149.1
10°	14981.6	15211.7	15942.1	17345.4	18535.8	19381.2	19571.0	19151.2	18369.1	16684.0	15476.2
12.5°	14515.8	14372.0	15182.9	16586.2	17724.9	18179.3	18265.5	18294.3	17765.2	16269.9	14797.6
15°	14458.3	14550.3	15182.9	16246.9	16948.5	16971.5	17115.3	17339.6	17408.6	16551.7	15113.9
17.5°	15286.5	15177.2	15827.1	16672.5	16338.9	16005.3	16039.9	16361.9	16931.3	16793.2	16108.9
20°	16511.4	16758.7	17270.6	17184.3	16287.2	15441.7	15447.5	15752.3	16873.8	17793.9	17494.9
22.5°	18547.3	18788.9	19168.5	18127.5	16287.2	15275.0	15079.4	15493.5	17241.8	18984.4	19059.2
25°	20404.9	20847.8	20951.3	19726.3	17103.8	15430.2	15303.7	15712.0	17609.9	20146.1	20853.5
27.5°	22095.8	22256.8	22711.1	20755.8	17558.1	15533.8	15522.3	16045.6	18075.7	20727.0	22458.1
30°	23430.0	23412.8	23671.6	21405.6	18282.8	16114.6	15556.8	16546.0	18685.4	21687.4	23941.9
32.5°	24338.7	24534.2	25080.6	22308.6	18587.6	16666.7	16229.6	17132.6	19427.3	22141.8	24988.6
35°	25937.5	26276.8	25586.7	22808.9	19553.8	17213.1	16701.2	17932.0	19795.3	22636.4	26271.1
37.5°	27444.3	27185.5	26483.9	23079.2	20180.7	18225.3	17747.9	19479.0	20939.8	23711.8	27122.2
40°	28410.5	28404.7	27156.8	23297.8	20623.5	19772.3	19743.6	21049.1	22343.1	24390.5	28076.9
42.5°	28830.3	29232.9	27432.8	23274.8	21555.2	21647.2	22228.0	23395.5	23338.0	24528.5	28053.9
44°	29405.4	29647.0	27910.1	23326.5	22176.3	22912.4	24281.2	25023.1	24206.4	24453.7	28025.2
45°	29382.4	29399.7	27231.5	23395.5	22705.4	23970.6	25195.6	26449.4	24971.3	24292.7	28404.7
47.5°	28709.6	28514.0	26656.4	22883.7	24356.0	26765.7	27898.6	28657.8	25914.5	23947.6	27933.2
50°	27381.0	27156.8	25258.9	22665.1	24701.0	28502.5	30066.8	30342.9	26771.4	23608.3	27467.3
52.5°	27473.1	27409.8	25655.7	22992.9	25046.1	29048.9	31556.4	31625.4	27743.4	24321.5	27473.1
55°	29117.9	28899.3	26794.4	23401.3	24793.0	28410.5	30607.4	30486.6	27415.6	23890.1	27979.2
57.5°	26644.9	26788.7	25218.6	21785.2	21698.9	23096.5	24062.7	23763.6	22877.9	21560.9	26029.5
60°	21497.7	21906.0	22055.5	18219.5	16373.4	15654.5	15367.0	14837.9	14987.4	17713.4	22866.4
62.5°	18438.1	18415.1	19352.5	16517.2	10725.8	9224.8	9086.8	9207.5	10932.9	17437.4	22394.8
65°	14619.3	15010.4	15298.0	13998.2	8488.6	6849.6	6843.8	7608.7	9460.6	14573.3	18081.5
67.5°	9282.3	9794.1	10150.7	8954.5	5676.3	4876.9	4744.7	5664.8	6556.3	9558.3	10886.9
70°	5233.5	5475.1	5636.1	5164.5	3611.7	2530.5	2381.0	2599.5	3962.5	6188.2	6452.7
72.5°	2018.6	2127.9	2346.5	2363.7	1363.0	816.7	661.4	793.7	1667.8	2450.0	2335.0
75°	310.6	333.6	471.6	563.6	391.1	299.1	316.3	327.8	465.8	632.6	529.1
77.5°	149.5	149.5	143.8	166.8	195.5	212.8	230.0	253.0	276.1	304.8	293.3
80°	97.8	97.8	97.8	115.0	143.8	172.5	195.5	207.0	218.5	241.5	230.0
82.5°	63.3	63.3	63.3	86.3	115.0	143.8	155.3	184.0	207.0	241.5	224.3
85°	34.5	34.5	34.5	57.5	86.3	120.8	115.0	92.0	51.8	5.8	11.5
87.5°	11.5	11.5	11.5	11.5	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°	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6
2.5°	18081.5	17816.9	17793.9	17253.3	16770.2	16534.4	16344.7	15815.6	15930.6	15625.8	15620.0
5°	17207.3	16666.7	15792.6	15073.7	14354.8	14211.0	13584.1	13037.8	13055.0	12663.9	12733.0
7.5°	15637.3	15263.5	14199.5	13072.3	12117.6	11439.0	10846.6	10490.0	10035.7	9880.4	9799.9
10°	14642.3	14182.2	12986.0	11571.2	10501.5	10139.2	9569.9	9253.5	8787.7	8557.7	8396.6
12.5°	14205.2	13532.4	12037.1	10599.3	9886.2	9512.3	9029.2	8454.1	7902.0	7689.2	7395.9
15°	14251.3	13446.1	11761.0	10208.2	9351.3	8626.7	8195.3	7557.0	6993.4	6619.5	6406.7
17.5°	14947.1	13969.5	11887.5	9909.2	8678.4	7769.8	6924.3	6234.2	5785.6	5503.8	5434.8
20°	16592.0	15263.5	12100.3	9426.1	8005.5	6872.6	5831.6	5112.7	4767.7	4761.9	4767.7
22.5°	17960.7	16643.7	12531.7	9138.5	7332.7	5722.4	4687.2	4457.1	4388.1	4531.9	4549.1
25°	19806.8	18196.5	13273.6	8989.0	6711.5	4876.9	4238.6	4152.3	4146.6	4330.6	4336.3
27.5°	21698.9	19553.8	13716.4	8551.9	6078.9	4439.9	3968.3	3951.0	4043.0	4238.6	4221.3
30°	22987.2	20692.5	14515.8	8028.6	5331.3	4054.5	3859.0	3882.0	4008.5	4158.1	4181.1
32.5°	24488.2	21814.0	14722.8	7741.0	4871.2	3732.5	3594.4	3646.2	3807.2	4043.0	4169.6
35°	26207.8	22607.6	15039.2	7349.9	4698.7	3485.2	3416.2	3473.7	3669.2	3824.5	3962.5
37.5°	27478.8	24010.9	15096.7	7045.1	4508.9	3347.1	3237.9	3427.7	3542.7	3761.2	3830.2
40°	28422.0	25028.8	15246.2	6855.3	4359.3	3168.9	3168.9	3295.4	3450.7	3652.0	3790.0
42.5°	29025.9	25770.7	15355.5	6682.8	4071.8	3117.1	3088.3	3214.9	3421.9	3617.4	3680.7
44°	29393.9	26087.0	15246.2	6521.8	3991.3	3053.8	3053.8	3163.1	3324.1	3554.2	3629.0
45°	29486.0	26483.9	15004.7	6516.0	3893.5	2979.1	2967.6	3174.6	3283.9	3565.7	3611.7
47.5°	29842.5	26972.7	15033.4	6332.0	3657.7	2800.8	3002.1	3094.1	3191.9	3439.2	3594.4
50°	29831.0	27277.5	14970.1	6061.7	3485.2	2599.5	2933.1	3036.6	3134.4	3387.4	3450.7
52.5°	29911.5	28416.2	15551.0	5630.3	3174.6	2340.7	2703.0	2933.1	3053.8	3266.6	3398.9
55°	29871.3	29066.1	16126.1	5308.3	2737.5	2185.4	2507.5	2777.8	2950.3	3174.6	3237.9
57.5°	27283.3	25690.2	14924.1	4704.4	2265.9	2001.4	2231.4	2616.8	2835.3	3065.3	3145.9
60°	22291.3	19801.1	12307.4	3462.2	1863.4	1840.4	2076.2	2565.0	2657.0	2858.3	2996.3
62.5°	20600.5	17368.4	9759.6	2645.5	1593.1	1685.1	1915.1	2317.7	2461.5	2708.8	2835.3
65°	16120.4	11536.7	6044.4	1788.6	1403.3	1512.5	1731.1	2030.1	2265.9	2496.0	2645.5
67.5°	9546.8	6303.2	2990.6	1253.7	1225.0	1340.0	1564.3	1788.6	2058.9	2311.9	2386.7
70°	5199.0	3099.8	1276.7	954.7	1041.0	1144.5	1363.0	1518.3	1777.1	1972.6	2099.2
72.5°	1667.8	943.2	638.4	707.4	793.7	914.4	1046.7	1236.5	1420.5	1535.5	1639.1
75°	402.6	396.8	454.3	494.6	575.1	667.1	776.4	874.2	1017.9	1127.2	1219.2
77.5°	281.8	304.8	350.8	408.3	437.1	471.6	540.6	615.4	678.6	759.1	816.7
80°	218.5	235.8	270.3	299.1	327.8	356.6	391.1	419.8	460.1	511.8	540.6
82.5°	207.0	218.5	253.0	270.3	258.8	253.0	276.1	287.6	293.3	310.6	327.8
85°	17.3	0.0	11.5	40.3	97.8	143.8	155.3	155.3	149.5	161.0	161.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	23.0	17.3
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°	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6
2.5°	15551.0	15355.5	15430.2	15522.3	15390.0	15085.2	15165.7	15131.2	15441.7	15418.7	15729.3
5°	13037.8	12733.0	12767.5	13216.1	13072.3	13227.6	12917.0	12876.7	12934.3	12963.0	13014.8
7.5°	9978.2	9937.9	10283.0	10662.6	10840.8	10656.8	10352.0	10283.0	10219.7	10093.2	10380.8
10°	8143.6	8155.1	8132.1	8419.6	8620.9	8580.7	8396.6	8373.6	8252.8	8206.8	8367.9
12.5°	7269.4	7114.1	7039.4	6947.3	7102.6	7206.1	7125.6	7068.1	7073.9	7131.4	7154.4
15°	6424.0	6326.2	6165.2	6061.7	6136.4	6084.7	6055.9	6170.9	6142.2	6130.7	6268.7
17.5°	5475.1	5555.6	5544.1	5429.1	5526.8	5486.6	5480.8	5400.3	5291.0	5210.5	5256.5
20°	4848.2	4997.7	5112.7	5118.5	5170.3	5164.5	5078.2	4830.9	4750.4	4733.2	4744.7
22.5°	4623.9	4704.4	4842.4	5038.0	5038.0	4946.0	4842.4	4554.9	4480.1	4399.6	4365.1
25°	4445.6	4600.9	4779.2	4802.2	4894.2	4807.9	4641.1	4497.4	4342.1	4232.8	4232.8
27.5°	4353.6	4526.1	4658.4	4698.7	4825.2	4756.2	4583.6	4399.6	4215.6	4209.8	4112.0
30°	4313.3	4474.4	4560.6	4658.4	4715.9	4606.6	4554.9	4359.3	4175.3	4129.3	3968.3
32.5°	4192.6	4422.6	4583.6	4560.6	4606.6	4560.6	4485.9	4324.8	4117.8	4014.3	3997.0
35°	4054.5	4284.6	4457.1	4577.9	4606.6	4508.9	4462.9	4244.3	3962.5	3910.8	3732.5
37.5°	3979.8	4117.8	4330.6	4526.1	4566.4	4514.6	4359.3	4135.0	3853.2	3795.7	3640.5
40°	3887.8	4066.0	4232.8	4393.8	4514.6	4388.1	4209.8	3991.3	3864.7	3692.2	3646.2
42.5°	3818.7	4020.0	4158.1	4336.3	4474.4	4307.6	4100.5	3951.0	3772.7	3657.7	3525.4
44°	3795.7	3979.8	4071.8	4290.3	4405.4	4278.8	4106.3	3951.0	3744.0	3640.5	3525.4
45°	3715.2	3968.3	4066.0	4261.6	4359.3	4255.8	4037.3	3882.0	3732.5	3605.9	3485.2
47.5°	3634.7	3807.2	3974.0	4129.3	4198.3	4163.8	3979.8	3790.0	3611.7	3536.9	3421.9
50°	3611.7	3784.2	3939.5	4083.3	4163.8	4094.8	3928.0	3744.0	3536.9	3416.2	3318.4
52.5°	3496.7	3709.5	3882.0	3928.0	4031.5	3991.3	3864.7	3663.5	3467.9	3364.4	3283.9
55°	3329.9	3554.2	3790.0	3847.5	3997.0	3933.8	3744.0	3554.2	3387.4	3232.1	3128.6
57.5°	3266.6	3485.2	3715.2	3790.0	3882.0	3778.5	3732.5	3531.2	3266.6	3186.1	3025.1
60°	3105.6	3381.7	3571.4	3744.0	3749.7	3721.0	3640.5	3410.4	3191.9	3042.3	2927.3
62.5°	2979.1	3237.9	3387.4	3548.4	3646.2	3565.7	3485.2	3272.4	3036.6	2869.8	2737.5
65°	2795.0	3030.8	3157.4	3255.1	3364.4	3352.9	3214.9	3059.6	2812.3	2680.0	2553.5
67.5°	2513.2	2720.3	2892.8	2984.8	3053.8	3036.6	2933.1	2823.8	2570.7	2438.5	2346.5
70°	2173.9	2386.7	2496.0	2547.7	2616.8	2651.3	2570.7	2519.0	2294.7	2122.2	2035.9
72.5°	1748.3	1886.4	2047.4	2093.4	2122.2	2145.2	2145.2	2099.2	1869.1	1800.1	1650.6
75°	1288.2	1397.5	1518.3	1518.3	1570.1	1575.8	1587.3	1558.6	1386.0	1294.0	1259.5
77.5°	874.2	954.7	1052.5	1092.7	1127.2	1121.5	1115.7	1035.2	943.2	902.9	868.4
80°	569.4	649.9	695.9	747.6	782.2	776.4	787.9	730.4	690.1	621.1	632.6
82.5°	339.3	402.6	448.6	511.8	511.8	529.1	529.1	511.8	471.6	437.1	437.1
85°	161.0	212.8	241.5	281.8	304.8	310.6	276.1	235.8	195.5	178.3	195.5
87.5°	28.8	40.3	57.5	51.8	63.3	57.5	57.5	57.5	57.5	46.0	51.8
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: P533124

CATALOG NUMBER: GALN-SA8C-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6	17569.6
2.5°	15614.3	15901.8	16103.1	16436.7	17011.8	17471.9	17943.5	18294.3	18334.5	18438.1
5°	13204.6	13359.8	13871.7	14538.8	15010.4	15786.8	16287.2	17195.8	17535.1	17897.5
7.5°	10311.7	10564.8	11249.2	11697.8	12733.0	13704.9	14711.3	15832.8	16281.4	16333.2
10°	8695.7	9063.8	9529.6	10248.5	10812.1	11893.3	13147.0	14395.0	14895.4	14981.6
12.5°	7637.5	8109.1	8730.2	9247.8	9788.4	10731.6	11933.6	13474.9	14124.7	14515.8
15°	6619.5	7108.4	7792.8	8511.6	8989.0	10116.2	11531.0	13267.8	14113.2	14458.3
17.5°	5572.8	6027.2	6590.8	7367.2	8327.6	9592.9	11467.7	13958.0	14883.9	15286.5
20°	4675.7	4928.7	5584.3	6383.7	7585.7	9058.0	11490.7	14975.9	16333.2	16511.4
22.5°	4324.8	4382.3	4641.1	5377.3	6694.3	8511.6	11899.1	16419.4	17960.7	18547.3
25°	4054.5	4043.0	4112.0	4606.6	6044.4	8298.9	12301.6	17747.9	19766.6	20404.9
27.5°	3905.0	3790.0	3795.7	4261.6	5584.3	7953.8	12819.2	19272.0	21814.0	22095.8
30°	3830.2	3807.2	3738.2	3928.0	5084.0	7436.2	12905.5	20773.0	23021.7	23430.0
32.5°	3784.2	3559.9	3473.7	3542.7	4612.4	6872.6	13227.6	21762.2	24517.0	24338.7
35°	3554.2	3352.9	3295.4	3364.4	4278.8	6556.3	13014.8	22624.9	25638.5	25937.5
37.5°	3467.9	3289.6	3174.6	3117.1	3968.3	6291.7	12905.5	23953.4	26725.4	27444.3
40°	3387.4	3197.6	3059.6	3002.1	3726.7	5940.9	12871.0	24977.1	27979.2	28410.5
42.5°	3295.4	3174.6	3019.3	2915.8	3433.4	5590.1	12474.2	25293.4	28364.5	28830.3
44°	3266.6	3082.6	2921.6	2887.1	3318.4	5411.8	12393.6	25580.9	28698.1	29405.4
45°	3237.9	3065.3	2881.3	2835.3	3278.1	5314.0	12284.4	25650.0	29250.2	29382.4
47.5°	3157.4	3048.1	2869.8	2743.3	3191.9	5101.2	11956.6	25258.9	28686.5	28709.6
50°	3094.1	2967.6	2783.5	2536.2	3076.8	4923.0	12106.1	25115.1	27329.3	27381.0
52.5°	3025.1	2835.3	2731.8	2306.2	2887.1	4773.4	12422.4	25765.0	27484.6	27473.1
55°	2944.6	2737.5	2484.5	2110.7	2570.7	4583.6	13187.3	27047.5	28922.3	29117.9
57.5°	2818.0	2639.8	2277.4	1938.1	2208.4	4221.3	12940.0	24591.8	26610.4	26644.9
60°	2651.3	2484.5	2064.6	1805.8	1811.6	3329.9	11571.2	19162.7	20997.3	21497.7
62.5°	2490.2	2398.2	1886.4	1616.1	1541.3	2651.3	9782.6	15924.8	18024.0	18438.1
65°	2300.4	2076.2	1731.1	1472.3	1322.8	1857.6	6930.1	11899.1	14061.5	14619.3
67.5°	2058.9	1817.4	1524.0	1294.0	1133.0	1242.2	3577.2	6763.3	8954.5	9282.3
70°	1800.1	1575.8	1282.5	1092.7	914.4	856.9	1575.8	3226.4	4894.2	5233.5
72.5°	1478.0	1271.0	1023.7	862.7	684.4	592.4	529.1	862.7	1736.8	2018.6
75°	1069.7	925.9	770.6	615.4	483.1	379.6	310.6	258.8	287.6	310.6
77.5°	787.9	672.9	569.4	437.1	339.3	270.3	212.8	161.0	155.3	149.5
80°	615.4	546.4	454.3	350.8	264.6	201.3	149.5	109.3	97.8	97.8
82.5°	483.1	448.6	373.8	287.6	218.5	161.0	109.3	74.8	63.3	63.3
85°	184.0	184.0	270.3	235.8	166.8	115.0	74.8	40.3	34.5	34.5
87.5°	46.0	46.0	46.0	46.0	40.3	34.5	34.5	17.3	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)