

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: P534112

Luminaire Tested: **GALN-SA9C-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534112
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-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 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: 47467 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

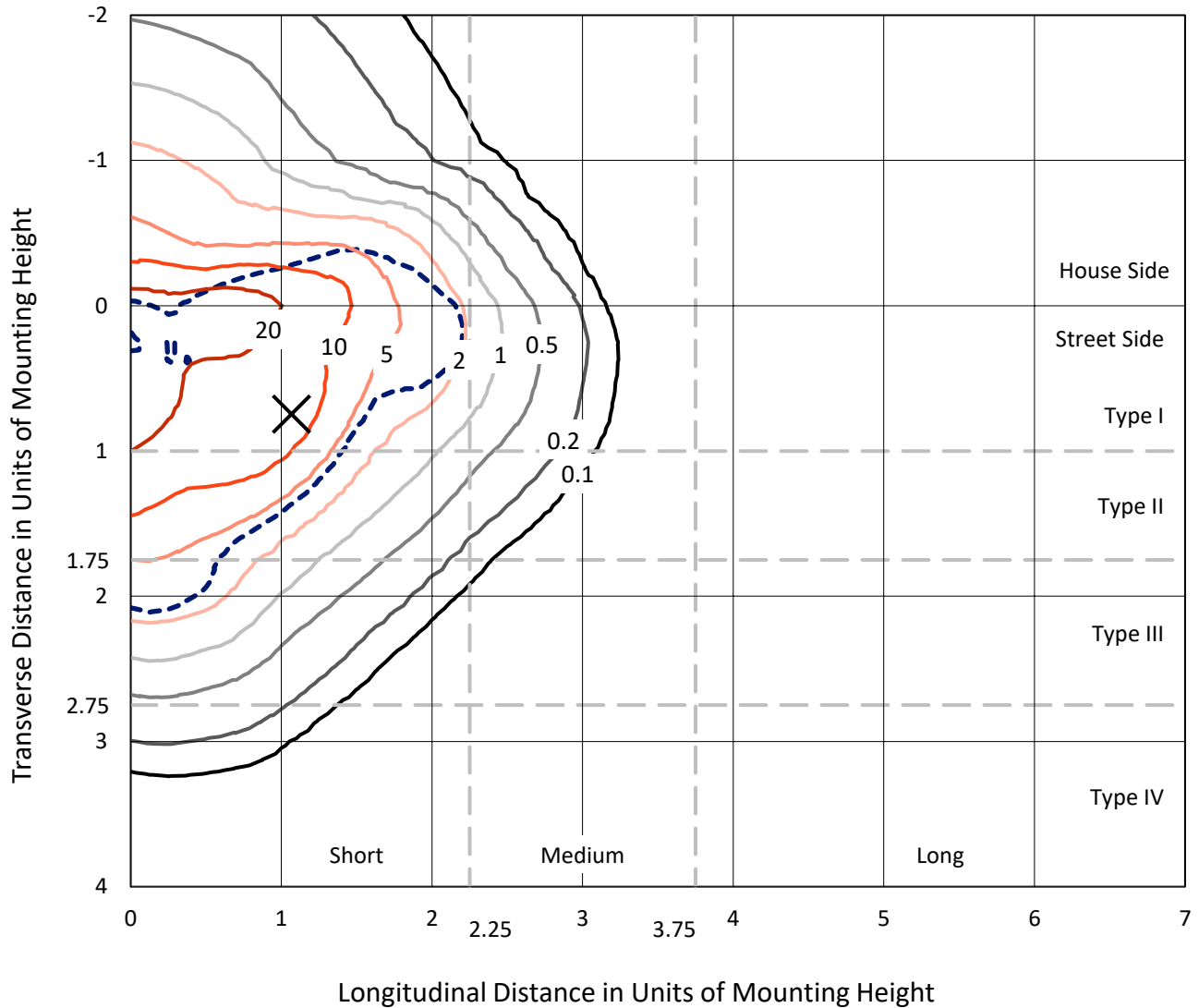
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

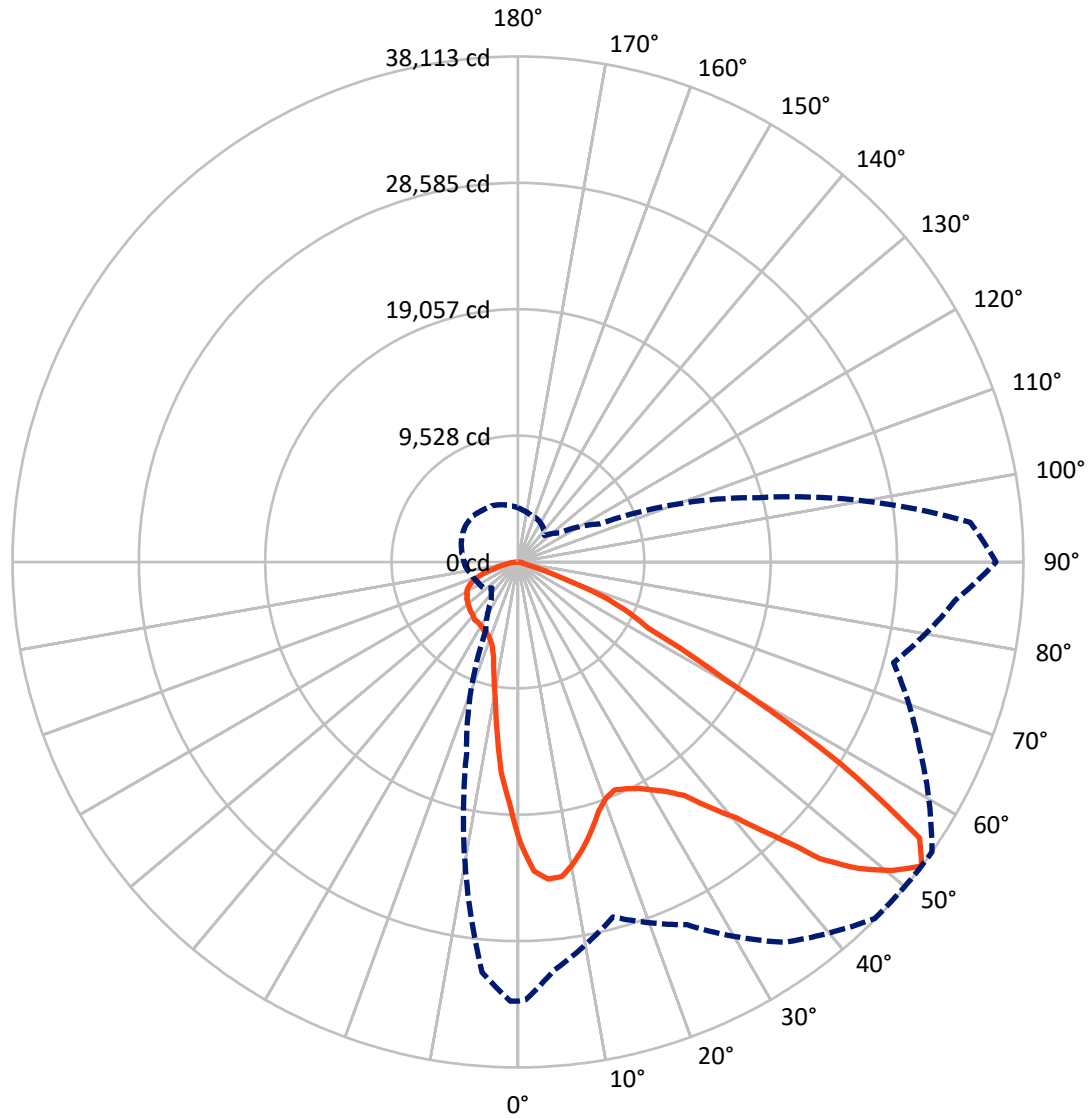
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 36 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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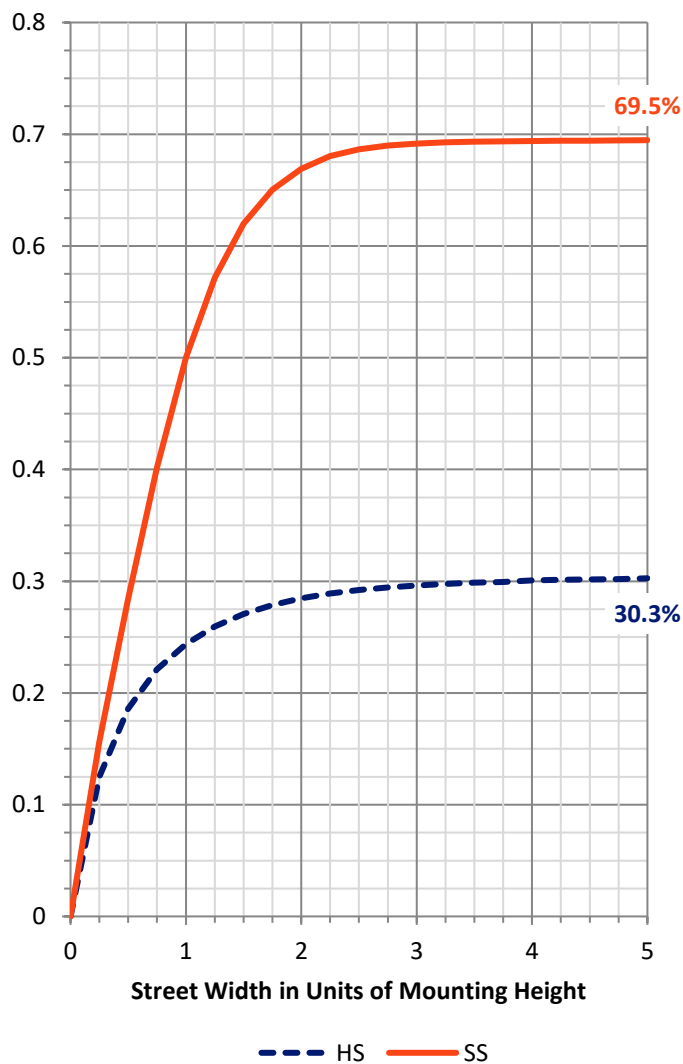
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14480.0	0.0	14480.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	32987.0	0.0	32987.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	47467.0	0.0	47467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1617.7	3.4
10°-20°	3487.9	7.3
20°-30°	5288.7	11.1
30°-40°	7641.4	16.1
40°-50°	10211.0	21.5
50°-60°	11397.8	24.0
60°-70°	6252.2	13.2
70°-80°	1351.7	2.8
80°-90°	218.7	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°	47467.0	100.0
0°-180°	47467.0	100.0

Coefficient of Utilization



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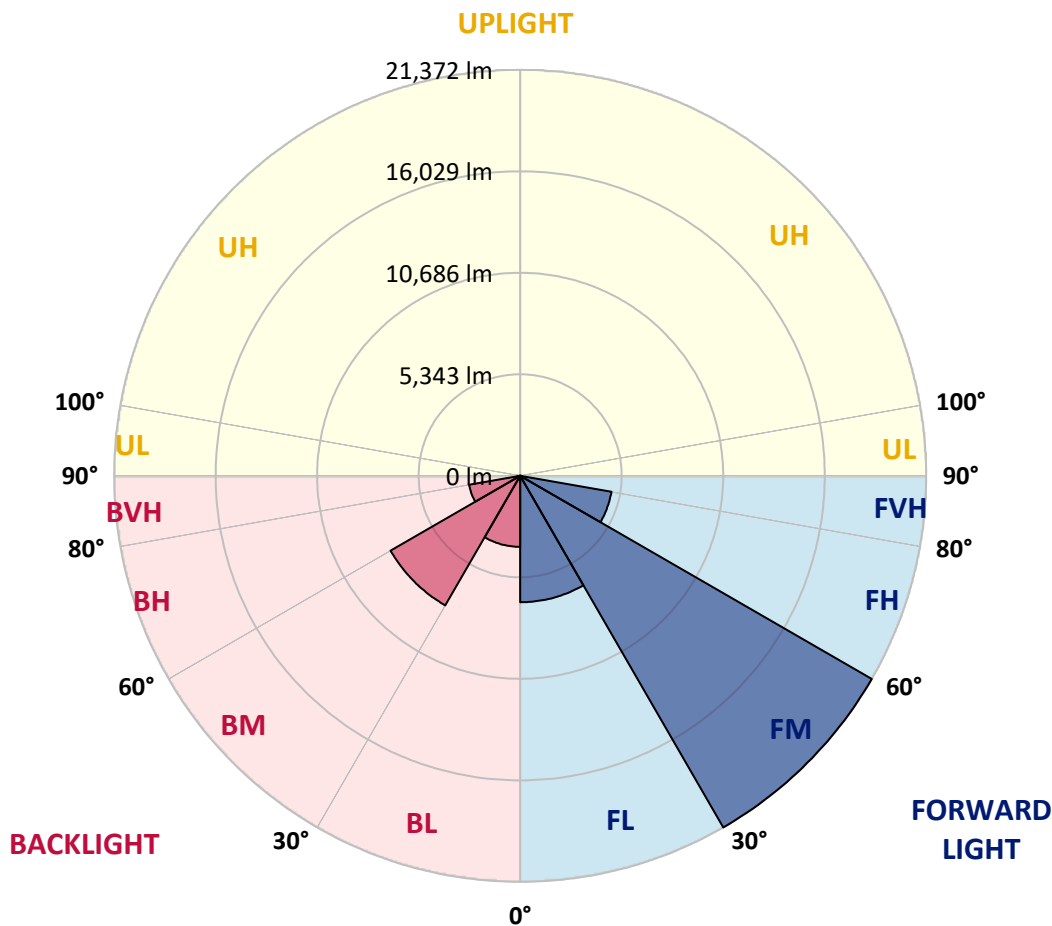
CATALOG NUMBER: GALN-SA9C-750-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6655.7	14.0			
FM (30°-60°)	21371.9	45.0			
FH (60°-80°)	4878.4	10.3			G2/5000
FVH (80°-90°)	81.0	0.2			G1/100
BL (0°-30°)	3738.5	7.9	B4/5000		
BM (30°-60°)	7878.3	16.6	B4/8500		
BH (60°-80°)	2725.5	5.7	B4/5000		G4/5000
BVH (80°-90°)	137.7	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0
2.5°	22220.5	22095.8	22206.7	22733.4	23038.4	23246.3	23378.0	23357.2	22858.2	22373.0	22373.0
5°	21569.0	21409.6	21638.3	22830.4	24029.5	24133.5	24306.7	24022.6	23287.9	22400.7	21291.8
7.5°	19683.8	19801.6	20182.8	21749.2	23308.7	24091.9	24299.8	23939.4	22747.3	21090.8	19462.0
10°	18055.0	18332.3	19212.5	20903.6	22338.3	23357.2	23585.9	23080.0	22137.4	20106.6	18651.1
12.5°	17493.6	17320.4	18297.6	19988.8	21361.1	21908.6	22012.6	22047.2	21409.6	19607.6	17833.3
15°	17424.3	17535.2	18297.6	19579.8	20425.4	20453.1	20626.4	20896.7	20979.9	19947.2	18214.5
17.5°	18422.4	18290.7	19073.9	20092.7	19690.7	19288.7	19330.3	19718.5	20404.6	20238.3	19413.5
20°	19898.7	20196.7	20813.5	20709.6	19628.4	18609.5	18616.4	18983.8	20335.3	21444.3	21083.9
22.5°	22352.2	22643.3	23100.7	21846.3	19628.4	18408.5	18172.9	18671.9	20778.9	22879.0	22969.1
25°	24590.9	25124.6	25249.3	23773.0	20612.5	18595.7	18443.2	18935.3	21222.5	24279.0	25131.5
27.5°	26628.6	26822.7	27370.2	25013.7	21160.1	18720.4	18706.5	19337.3	21783.9	24979.0	27065.2
30°	28236.6	28215.8	28527.7	25796.9	22033.4	19420.4	18748.1	19940.3	22518.6	26136.5	28853.4
32.5°	29331.6	29567.3	30225.7	26885.0	22400.7	20085.8	19559.0	20647.2	23412.6	26684.0	30114.8
35°	31258.4	31667.4	30835.7	27488.0	23565.1	20744.2	20127.4	21610.6	23856.2	27280.1	31660.4
37.5°	33074.3	32762.4	31916.9	27813.8	24320.6	21964.1	21388.8	23475.0	25235.5	28576.2	32686.2
40°	34238.7	34231.8	32727.8	28077.1	24854.3	23828.5	23793.8	25367.2	26926.6	29394.0	33836.7
42.5°	34744.7	35229.9	33060.5	28049.4	25977.1	26088.0	26788.0	28195.0	28125.7	29560.4	33809.0
44°	35437.8	35728.9	33635.7	28111.8	26725.6	27612.8	29262.3	30156.4	29172.2	29470.3	33774.4
45°	35410.1	35430.9	32817.9	28195.0	27363.3	28888.1	30364.4	31875.3	30094.0	29276.2	34231.8
47.5°	34599.1	34363.5	32124.8	27578.1	29352.4	32256.5	33621.9	34536.8	31230.7	28860.3	33663.5
50°	32998.1	32727.8	30440.6	27314.7	29768.3	34349.6	36234.8	36567.5	32263.4	28451.4	33102.1
52.5°	33109.0	33032.8	30918.8	27709.8	30184.1	35008.1	38029.9	38113.1	33434.7	29310.9	33109.0
55°	35091.2	34827.9	32291.1	28201.9	29879.2	34238.7	36886.3	36740.8	33039.7	28791.0	33718.9
57.5°	32110.9	32284.2	30392.1	26254.3	26150.4	27834.6	28999.0	28638.6	27571.2	25984.0	31369.3
60°	25907.8	26399.9	26580.1	21957.1	19732.3	18866.0	18519.4	17881.8	18062.0	21347.2	27557.3
62.5°	22220.5	22192.8	23322.5	19905.6	12926.2	11117.2	10950.9	11096.4	13175.7	21014.5	26989.0
65°	17618.4	18089.7	18436.2	16869.9	10230.0	8254.7	8247.8	9169.6	11401.4	17562.9	21790.8
67.5°	11186.5	11803.4	12233.1	10791.4	6840.8	5877.4	5718.0	6827.0	7901.2	11519.2	13120.2
70°	6307.1	6598.2	6792.3	6224.0	4352.6	3049.6	2869.4	3132.8	4775.4	7457.7	7776.5
72.5°	2432.8	2564.4	2827.8	2848.6	1642.6	984.2	797.1	956.5	2010.0	2952.6	2814.0
75°	374.3	402.0	568.3	679.2	471.3	360.4	381.2	395.1	561.4	762.4	637.6
77.5°	180.2	180.2	173.3	201.0	235.7	256.4	277.2	305.0	332.7	367.3	353.5
80°	117.8	117.8	117.8	138.6	173.3	207.9	235.7	249.5	263.4	291.1	277.2
82.5°	76.2	76.2	76.2	104.0	138.6	173.3	187.1	221.8	249.5	291.1	270.3
85°	41.6	41.6	41.6	69.3	104.0	145.5	138.6	110.9	62.4	6.9	13.9
87.5°	13.9	13.9	13.9	13.9	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°	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0
2.5°	21790.8	21472.0	21444.3	20792.8	20210.6	19926.4	19697.7	19060.0	19198.6	18831.3	18824.4
5°	20737.3	20085.8	19032.3	18165.9	17299.6	17126.3	16370.8	15712.4	15733.2	15261.9	15345.1
7.5°	18845.2	18394.7	17112.4	15754.0	14603.4	13785.6	13071.7	12642.0	12094.5	11907.3	11810.3
10°	17646.1	17091.6	15650.0	13945.0	12655.9	12219.2	11533.0	11151.8	10590.4	10313.2	10119.1
12.5°	17119.4	16308.4	14506.4	12773.7	11914.2	11463.7	10881.5	10188.4	9523.1	9266.6	8913.2
15°	17174.8	16204.5	14173.7	12302.4	11269.7	10396.4	9876.6	9107.2	8428.0	7977.5	7721.0
17.5°	18013.5	16835.2	14326.2	11942.0	10458.8	9363.7	8344.8	7513.1	6972.5	6632.9	6549.7
20°	19995.7	18394.7	14582.7	11359.8	9647.8	8282.4	7028.0	6161.6	5745.7	5738.8	5745.7
22.5°	21645.3	20058.1	15102.5	11013.2	8836.9	6896.3	5648.7	5371.5	5288.3	5461.6	5482.4
25°	23870.1	21929.4	15996.6	10833.0	8088.4	5877.4	5108.1	5004.1	4997.2	5219.0	5225.9
27.5°	26150.4	23565.1	16530.2	10306.3	7326.0	5350.7	4782.3	4761.5	4872.4	5108.1	5087.3
30°	27702.9	24937.4	17493.6	9675.6	6425.0	4886.3	4650.6	4678.4	4830.8	5011.1	5038.8
32.5°	29511.8	26289.0	17743.1	9329.0	5870.5	4498.2	4331.8	4394.2	4588.3	4872.4	5024.9
35°	31584.2	27245.4	18124.3	8857.7	5662.6	4200.1	4117.0	4186.3	4421.9	4609.1	4775.4
37.5°	33115.9	28936.6	18193.7	8490.4	5433.8	4033.8	3902.1	4130.8	4269.4	4532.8	4616.0
40°	34252.6	30163.4	18373.9	8261.7	5253.6	3818.9	3818.9	3971.4	4158.6	4401.1	4567.5
42.5°	34980.3	31057.4	18505.6	8053.7	4907.1	3756.6	3721.9	3874.4	4123.9	4359.5	4435.8
44°	35423.9	31438.6	18373.9	7859.7	4810.1	3680.3	3680.3	3812.0	4006.1	4283.3	4373.4
45°	35534.8	31916.9	18082.8	7852.7	4692.2	3590.2	3576.4	3825.9	3957.6	4297.2	4352.6
47.5°	35964.5	32506.0	18117.4	7630.9	4408.1	3375.4	3617.9	3728.8	3846.7	4144.7	4331.8
50°	35950.7	32873.3	18041.2	7305.2	4200.1	3132.8	3534.8	3659.5	3777.4	4082.3	4158.6
52.5°	36047.7	34245.7	18741.2	6785.4	3825.9	2820.9	3257.5	3534.8	3680.3	3936.8	4096.2
55°	35999.2	35028.9	19434.3	6397.2	3299.1	2633.7	3021.9	3347.6	3555.6	3825.9	3902.1
57.5°	32880.3	30960.4	17985.7	5669.5	2730.8	2412.0	2689.2	3153.6	3416.9	3694.2	3791.2
60°	26864.2	23863.1	14832.2	4172.4	2245.6	2217.9	2502.1	3091.2	3202.1	3444.7	3611.0
62.5°	24826.5	20931.4	11761.8	3188.2	1919.9	2030.8	2308.0	2793.2	2966.4	3264.5	3416.9
65°	19427.4	13903.4	7284.4	2155.5	1691.1	1822.8	2086.2	2446.6	2730.8	3008.0	3188.2
67.5°	11505.3	7596.3	3604.1	1510.9	1476.3	1614.9	1885.2	2155.5	2481.3	2786.2	2876.3
70°	6265.5	3735.8	1538.7	1150.5	1254.5	1379.3	1642.6	1829.8	2141.7	2377.3	2529.8
72.5°	2010.0	1136.7	769.3	852.5	956.5	1102.0	1261.4	1490.1	1711.9	1850.6	1975.3
75°	485.2	478.2	547.5	596.1	693.1	804.0	935.7	1053.5	1226.8	1358.5	1469.4
77.5°	339.6	367.3	422.8	492.1	526.7	568.3	651.5	741.6	817.8	914.9	984.2
80°	263.4	284.2	325.8	360.4	395.1	429.7	471.3	506.0	554.5	616.9	651.5
82.5°	249.5	263.4	305.0	325.8	311.9	305.0	332.7	346.5	353.5	374.3	395.1
85°	20.8	0.0	13.9	48.5	117.8	173.3	187.1	187.1	180.2	194.1	194.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	27.7	20.8
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°	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0
2.5°	18741.2	18505.6	18595.7	18706.5	18547.1	18179.8	18276.8	18235.2	18609.5	18581.8	18956.1
5°	15712.4	15345.1	15386.6	15927.2	15754.0	15941.1	15566.8	15518.3	15587.6	15622.3	15684.7
7.5°	12025.1	11976.6	12392.5	12849.9	13064.8	12843.0	12475.7	12392.5	12316.2	12163.8	12510.3
10°	9814.2	9828.0	9800.3	10146.9	10389.4	10340.9	10119.1	10091.4	9945.9	9890.4	10084.5
12.5°	8760.7	8573.5	8483.4	8372.5	8559.7	8684.4	8587.4	8518.1	8525.0	8594.3	8622.1
15°	7741.8	7624.0	7429.9	7305.2	7395.3	7332.9	7298.3	7436.9	7402.2	7388.4	7554.7
17.5°	6598.2	6695.3	6681.4	6542.8	6660.6	6612.1	6605.2	6508.1	6376.4	6279.4	6334.9
20°	5842.8	6023.0	6161.6	6168.5	6230.9	6224.0	6120.0	5822.0	5724.9	5704.1	5718.0
22.5°	5572.5	5669.5	5835.8	6071.5	6071.5	5960.6	5835.8	5489.3	5399.2	5302.2	5260.6
25°	5357.6	5544.7	5759.6	5787.3	5898.2	5794.2	5593.3	5420.0	5232.8	5101.2	5101.2
27.5°	5246.7	5454.6	5614.0	5662.6	5815.0	5731.9	5523.9	5302.2	5080.4	5073.4	4955.6
30°	5198.2	5392.3	5496.2	5614.0	5683.4	5551.7	5489.3	5253.6	5031.8	4976.4	4782.3
32.5°	5052.6	5329.9	5523.9	5496.2	5551.7	5496.2	5406.1	5212.1	4962.5	4837.8	4817.0
35°	4886.3	5163.5	5371.5	5517.0	5551.7	5433.8	5378.4	5115.0	4775.4	4713.0	4498.2
37.5°	4796.2	4962.5	5219.0	5454.6	5503.1	5440.8	5253.6	4983.3	4643.7	4574.4	4387.3
40°	4685.3	4900.2	5101.2	5295.2	5440.8	5288.3	5073.4	4810.1	4657.6	4449.6	4394.2
42.5°	4602.1	4844.7	5011.1	5225.9	5392.3	5191.3	4941.7	4761.5	4546.7	4408.1	4248.7
44°	4574.4	4796.2	4907.1	5170.5	5309.1	5156.6	4948.7	4761.5	4512.0	4387.3	4248.7
45°	4477.4	4782.3	4900.2	5135.8	5253.6	5128.9	4865.5	4678.4	4498.2	4345.7	4200.1
47.5°	4380.3	4588.3	4789.3	4976.4	5059.6	5018.0	4796.2	4567.5	4352.6	4262.5	4123.9
50°	4352.6	4560.5	4747.7	4921.0	5018.0	4934.8	4733.8	4512.0	4262.5	4117.0	3999.1
52.5°	4214.0	4470.4	4678.4	4733.8	4858.6	4810.1	4657.6	4415.0	4179.3	4054.6	3957.6
55°	4013.0	4283.3	4567.5	4636.8	4817.0	4740.7	4512.0	4283.3	4082.3	3895.2	3770.4
57.5°	3936.8	4200.1	4477.4	4567.5	4678.4	4553.6	4498.2	4255.6	3936.8	3839.7	3645.7
60°	3742.7	4075.4	4304.1	4512.0	4519.0	4484.3	4387.3	4110.0	3846.7	3666.5	3527.8
62.5°	3590.2	3902.1	4082.3	4276.4	4394.2	4297.2	4200.1	3943.7	3659.5	3458.5	3299.1
65°	3368.4	3652.6	3805.1	3922.9	4054.6	4040.7	3874.4	3687.2	3389.2	3229.8	3077.3
67.5°	3028.8	3278.3	3486.3	3597.1	3680.3	3659.5	3534.8	3403.1	3098.1	2938.7	2827.8
70°	2619.9	2876.3	3008.0	3070.4	3153.6	3195.2	3098.1	3035.7	2765.4	2557.5	2453.5
72.5°	2107.0	2273.3	2467.4	2522.9	2557.5	2585.2	2585.2	2529.8	2252.5	2169.4	1989.2
75°	1552.5	1684.2	1829.8	1829.8	1892.1	1899.1	1912.9	1878.3	1670.4	1559.5	1517.9
77.5°	1053.5	1150.5	1268.4	1316.9	1358.5	1351.5	1344.6	1247.6	1136.7	1088.2	1046.6
80°	686.2	783.2	838.6	901.0	942.6	935.7	949.5	880.2	831.7	748.5	762.4
82.5°	408.9	485.2	540.6	616.9	616.9	637.6	637.6	616.9	568.3	526.7	526.7
85°	194.1	256.4	291.1	339.6	367.3	374.3	332.7	284.2	235.7	214.9	235.7
87.5°	34.7	48.5	69.3	62.4	76.2	69.3	69.3	69.3	69.3	55.4	62.4
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: P534112

CATALOG NUMBER: GALN-SA9C-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0	21174.0
2.5°	18817.4	19164.0	19406.6	19808.6	20501.7	21056.1	21624.5	22047.2	22095.8	22220.5
5°	15913.4	16100.5	16717.4	17521.4	18089.7	19025.4	19628.4	20723.4	21132.4	21569.0
7.5°	12427.1	12732.1	13556.9	14097.5	15345.1	16516.4	17729.3	19080.8	19621.4	19683.8
10°	10479.5	10923.1	11484.5	12350.9	13030.1	14333.1	15844.1	17348.1	17951.1	18055.0
12.5°	9204.3	9772.6	10521.1	11144.9	11796.4	12933.1	14381.7	16239.1	17022.3	17493.6
15°	7977.5	8566.6	9391.4	10257.8	10833.0	12191.5	13896.5	15989.6	17008.5	17424.3
17.5°	6716.1	7263.6	7942.8	8878.5	10036.0	11560.8	13820.3	16821.3	17937.2	18422.4
20°	5634.8	5939.8	6729.9	7693.3	9141.9	10916.2	13848.0	18048.1	19683.8	19898.7
22.5°	5212.1	5281.4	5593.3	6480.4	8067.6	10257.8	14340.1	19787.8	21645.3	22352.2
25°	4886.3	4872.4	4955.6	5551.7	7284.4	10001.3	14825.2	21388.8	23821.6	24590.9
27.5°	4706.1	4567.5	4574.4	5135.8	6729.9	9585.5	15449.0	23225.5	26289.0	26628.6
30°	4616.0	4588.3	4505.1	4733.8	6126.9	8961.7	15553.0	25034.5	27744.5	28236.6
32.5°	4560.5	4290.2	4186.3	4269.4	5558.6	8282.4	15941.1	26226.6	29546.5	29331.6
35°	4283.3	4040.7	3971.4	4054.6	5156.6	7901.2	15684.7	27266.2	30898.0	31258.4
37.5°	4179.3	3964.5	3825.9	3756.6	4782.3	7582.4	15553.0	28867.3	32208.0	33074.3
40°	4082.3	3853.6	3687.2	3617.9	4491.2	7159.6	15511.4	30101.0	33718.9	34238.7
42.5°	3971.4	3825.9	3638.7	3514.0	4137.8	6736.9	15033.2	30482.2	34183.3	34744.7
44°	3936.8	3715.0	3520.9	3479.3	3999.1	6522.0	14936.1	30828.7	34585.3	35437.8
45°	3902.1	3694.2	3472.4	3416.9	3950.6	6404.2	14804.4	30911.9	35250.6	35410.1
47.5°	3805.1	3673.4	3458.5	3306.0	3846.7	6147.7	14409.4	30440.6	34571.4	34599.1
50°	3728.8	3576.4	3354.6	3056.5	3708.0	5932.9	14589.6	30267.3	32935.7	32998.1
52.5°	3645.7	3416.9	3292.2	2779.3	3479.3	5752.7	14970.8	31050.5	33122.9	33109.0
55°	3548.6	3299.1	2994.2	2543.6	3098.1	5523.9	15892.6	32596.1	34855.6	35091.2
57.5°	3396.1	3181.3	2744.6	2335.7	2661.5	5087.3	15594.6	29636.6	32069.4	32110.9
60°	3195.2	2994.2	2488.2	2176.3	2183.2	4013.0	13945.0	23093.8	25304.8	25907.8
62.5°	3001.1	2890.2	2273.3	1947.6	1857.5	3195.2	11789.5	19191.7	21721.5	22220.5
65°	2772.4	2502.1	2086.2	1774.3	1594.1	2238.7	8351.8	14340.1	16946.1	17618.4
67.5°	2481.3	2190.2	1836.7	1559.5	1365.4	1497.1	4311.0	8150.8	10791.4	11186.5
70°	2169.4	1899.1	1545.6	1316.9	1102.0	1032.7	1899.1	3888.2	5898.2	6307.1
72.5°	1781.2	1531.7	1233.7	1039.6	824.8	713.9	637.6	1039.6	2093.1	2432.8
75°	1289.2	1115.9	928.7	741.6	582.2	457.4	374.3	311.9	346.5	374.3
77.5°	949.5	810.9	686.2	526.7	408.9	325.8	256.4	194.1	187.1	180.2
80°	741.6	658.4	547.5	422.8	318.8	242.6	180.2	131.7	117.8	117.8
82.5°	582.2	540.6	450.5	346.5	263.4	194.1	131.7	90.1	76.2	76.2
85°	221.8	221.8	325.8	284.2	201.0	138.6	90.1	48.5	41.6	41.6
87.5°	55.4	55.4	55.4	55.4	48.5	41.6	41.6	20.8	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)