

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: P533904

Luminaire Tested: **GALN-SA9B-760-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533904
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-SA9B-760-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 800mA 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: 38418 lumens
Efficiency: N/A
Efficacy: 105.5 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

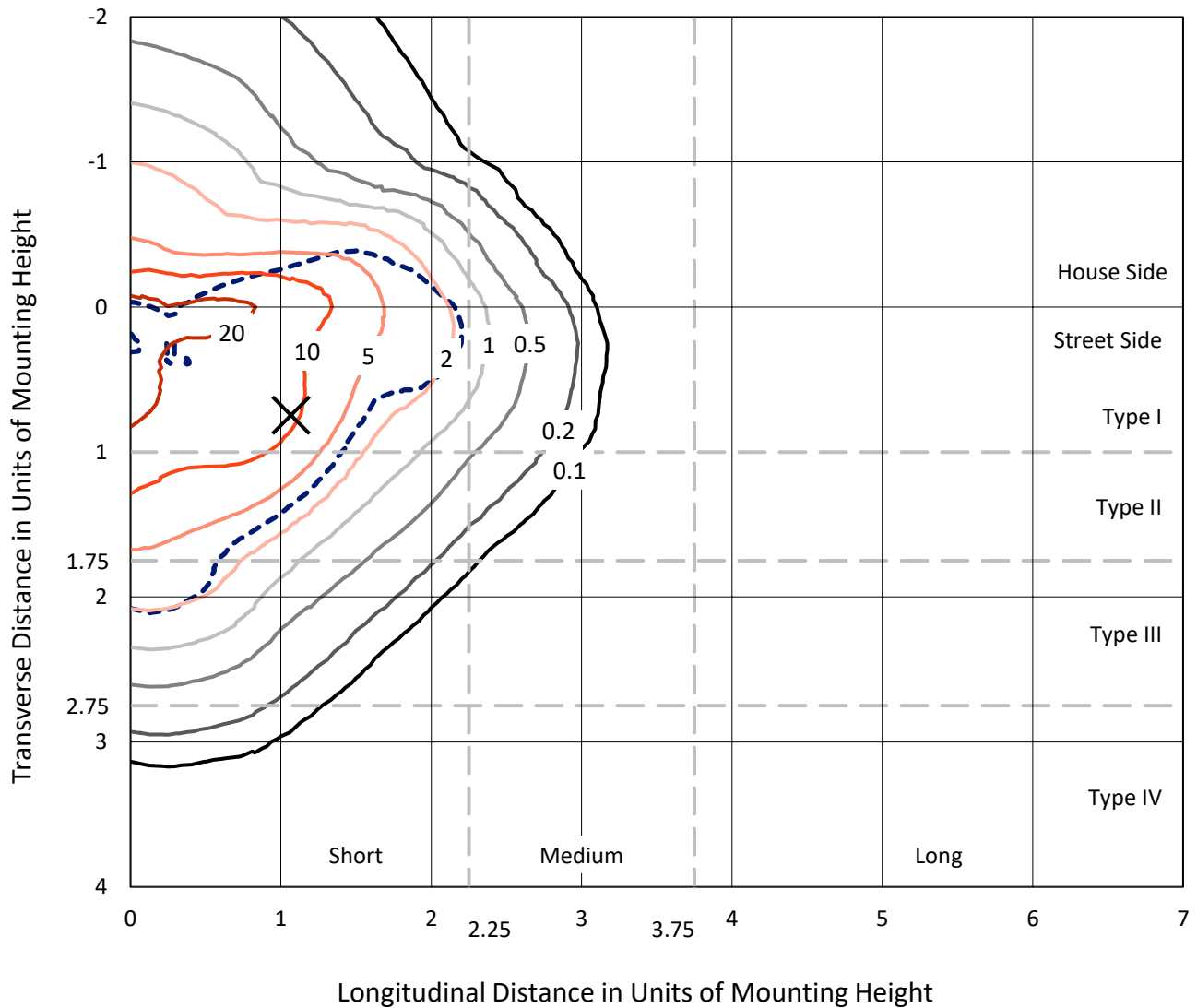
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

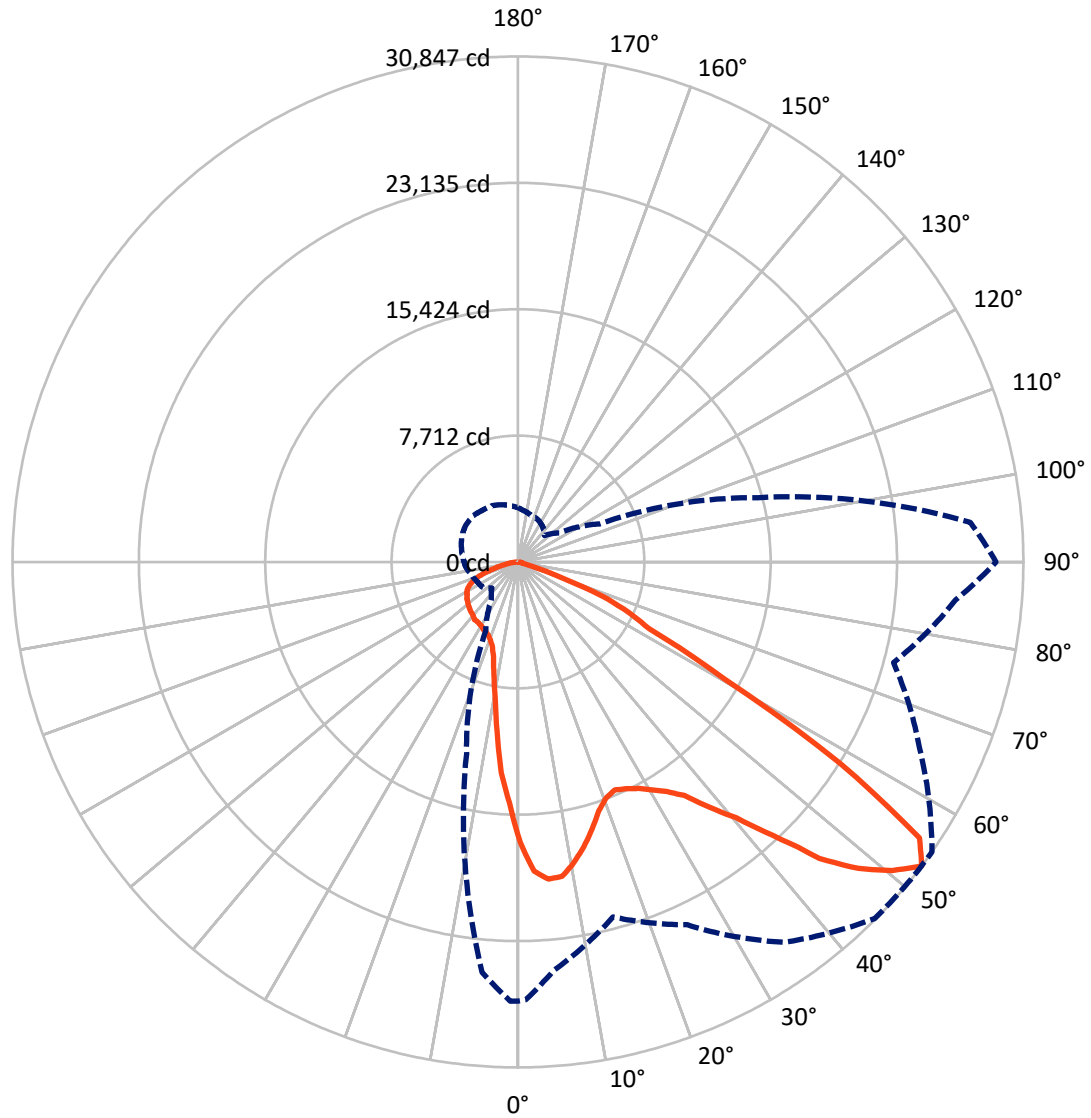
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.1 fc
 Type II - Short - N/A

REPORT NUMBER: P533904
CATALOG NUMBER: GALN-SA9B-760-U-SLL-GRSWH

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	11719.6	0.0	11719.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	26698.4	0.0	26698.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	38418.0	0.0	38418.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1309.3	3.4
10°-20°	2822.9	7.3
20°-30°	4280.5	11.1
30°-40°	6184.7	16.1
40°-50°	8264.4	21.5
50°-60°	9224.9	24.0
60°-70°	5060.3	13.2
70°-80°	1094.0	2.8
80°-90°	177.0	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°	38418.0	100.0
0°-180°	38418.0	100.0



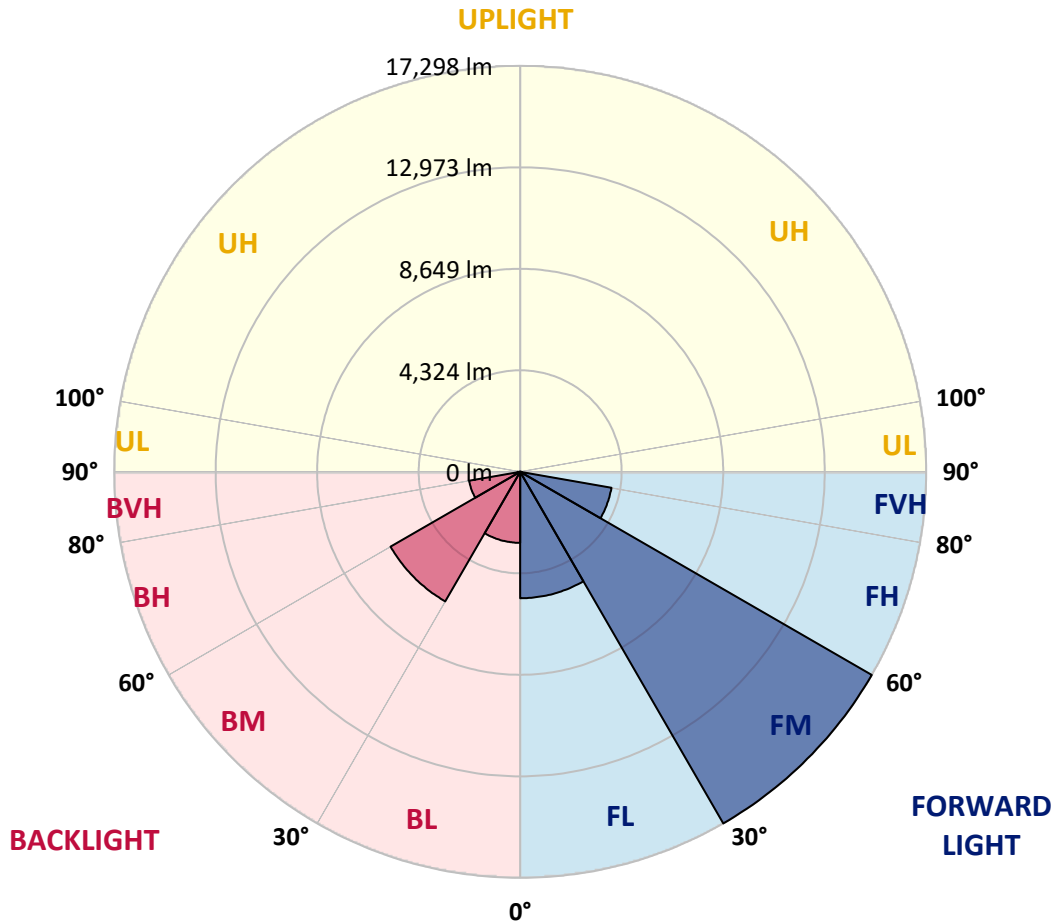
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 CATALOG NUMBER: GALN-SA9B-760-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5386.9	14.0			
FM (30°-60°)	17297.6	45.0			
FH (60°-80°)	3948.4	10.3			G2/5000
FVH (80°-90°)	65.5	0.2			G1/100
BL (0°-30°)	3025.8	7.9	B4/5000		
BM (30°-60°)	6376.4	16.6	B4/8500		
BH (60°-80°)	2205.9	5.7	B3/2500		G3/2500
BVH (80°-90°)	111.5	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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CATALOG NUMBER: GALN-SA9B-760-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4
2.5°	17984.5	17883.5	17973.2	18399.6	18646.4	18814.7	18921.3	18904.4	18500.5	18107.9	18107.9
5°	17457.1	17328.1	17513.2	18478.1	19448.6	19532.7	19672.9	19443.0	18848.3	18130.3	17232.8
7.5°	15931.3	16026.7	16335.2	17603.0	18865.2	19499.1	19667.3	19375.6	18410.8	17070.1	15751.8
10°	14613.1	14837.5	15549.9	16918.6	18079.8	18904.4	19089.5	18680.0	17917.1	16273.5	15095.5
12.5°	14158.7	14018.4	14809.4	16178.2	17288.9	17732.0	17816.2	17844.2	17328.1	15869.6	14433.6
15°	14102.6	14192.3	14809.4	15847.2	16531.6	16554.0	16694.2	16913.0	16980.3	16144.5	14742.1
17.5°	14910.4	14803.8	15437.7	16262.3	15936.9	15611.6	15645.2	15959.4	16514.7	16380.1	15712.6
20°	16105.2	16346.4	16845.7	16761.6	15886.5	15061.8	15067.4	15364.8	16458.6	17356.2	17064.5
22.5°	18091.0	18326.6	18696.9	17681.5	15886.5	14899.2	14708.4	15112.3	16817.7	18517.4	18590.3
25°	19902.9	20334.9	20435.9	19241.0	16683.0	15050.6	14927.2	15325.5	17176.7	19650.5	20340.5
27.5°	21552.2	21709.2	22152.4	20245.1	17126.2	15151.6	15140.4	15650.8	17631.0	20217.1	21905.6
30°	22853.6	22836.8	23089.2	20879.0	17833.0	15718.2	15174.0	16138.9	18225.7	21153.9	23352.9
32.5°	23739.9	23930.7	24463.6	21759.7	18130.3	16256.7	15830.4	16711.1	18949.3	21597.1	24373.8
35°	25299.4	25630.4	24957.2	22247.8	19072.7	16789.6	16290.3	17490.8	19308.3	22079.5	25624.8
37.5°	26769.1	26516.7	25832.3	22511.4	19684.2	17776.9	17311.3	18999.8	20424.6	23128.5	26455.0
40°	27711.5	27705.9	26488.6	22724.6	20116.1	19285.9	19257.8	20531.2	21793.4	23790.4	27386.2
42.5°	28121.0	28513.7	26757.9	22702.1	21024.9	21114.6	21681.2	22819.9	22763.9	23925.0	27363.7
44°	28682.0	28917.6	27223.5	22752.6	21630.7	22348.7	23683.8	24407.5	23610.9	23852.1	27335.7
45°	28659.6	28676.4	26561.6	22819.9	22146.8	23380.9	24575.8	25798.7	24357.0	23695.0	27705.9
47.5°	28003.2	27812.5	26000.6	22320.7	23756.8	26107.2	27212.3	27952.8	25277.0	23358.5	27245.9
50°	26707.4	26488.6	24637.5	22107.5	24093.3	27801.3	29327.1	29596.4	26112.8	23027.5	26791.6
52.5°	26797.2	26735.5	25024.5	22427.3	24429.9	28334.2	30780.0	30847.3	27060.8	23723.1	26797.2
55°	28401.5	28188.4	26135.2	22825.6	24183.1	27711.5	29854.4	29736.6	26741.1	23302.4	27290.8
57.5°	25989.4	26129.6	24598.2	21249.3	21165.1	22528.2	23470.7	23179.0	22315.1	21030.5	25389.2
60°	20968.8	21367.1	21512.9	17771.3	15970.6	15269.4	14988.9	14472.8	14618.7	17277.6	22303.9
62.5°	17984.5	17962.0	18876.4	16110.8	10461.9	8997.8	8863.2	8981.0	10663.9	17008.4	21843.9
65°	14259.7	14641.1	14921.6	13653.8	8279.8	6681.1	6675.5	7421.5	9227.8	14214.8	17636.7
67.5°	9053.9	9553.2	9901.0	8734.2	5536.7	4757.0	4627.9	5525.5	6395.0	9323.2	10619.0
70°	5104.8	5340.4	5497.4	5037.4	3522.8	2468.2	2322.4	2535.5	3865.0	6036.0	6294.0
72.5°	1969.0	2075.6	2288.7	2305.6	1329.5	796.6	645.1	774.1	1626.8	2389.7	2277.5
75°	302.9	325.4	460.0	549.7	381.5	291.7	308.5	319.7	454.4	617.1	516.1
77.5°	145.9	145.9	140.2	162.7	190.7	207.6	224.4	246.8	269.3	297.3	286.1
80°	95.4	95.4	95.4	112.2	140.2	168.3	190.7	201.9	213.2	235.6	224.4
82.5°	61.7	61.7	61.7	84.1	112.2	140.2	151.5	179.5	201.9	235.6	218.8
85°	33.7	33.7	33.7	56.1	84.1	117.8	112.2	89.8	50.5	5.6	11.2
87.5°	11.2	11.2	11.2	11.2	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: P533904

CATALOG NUMBER: GALN-SA9B-760-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4
2.5°	17636.7	17378.6	17356.2	16828.9	16357.7	16127.7	15942.5	15426.5	15538.7	15241.3	15235.7
5°	16784.0	16256.7	15404.0	14702.8	14001.6	13861.4	13249.9	12717.0	12733.8	12352.4	12419.7
7.5°	15252.6	14887.9	13850.2	12750.7	11819.5	11157.5	10579.7	10232.0	9788.8	9637.3	9558.8
10°	14282.1	13833.3	12666.5	11286.6	10243.2	9889.8	9334.4	9025.9	8571.5	8347.1	8190.1
12.5°	13855.8	13199.4	11740.9	10338.5	9642.9	9278.3	8807.1	8246.1	7707.6	7500.1	7214.0
15°	13900.6	13115.3	11471.7	9957.1	9121.2	8414.4	7993.7	7371.0	6821.3	6456.7	6249.1
17.5°	14579.4	13625.8	11595.1	9665.4	8464.9	7578.6	6754.0	6080.8	5643.3	5368.4	5301.1
20°	16183.8	14887.9	11802.6	9194.2	7808.6	6703.5	5688.2	4987.0	4650.4	4644.8	4650.4
22.5°	17518.9	16234.3	12223.4	8913.7	7152.3	5581.6	4571.8	4347.5	4280.1	4420.4	4437.2
25°	19319.5	17748.8	12947.0	8767.8	6546.4	4757.0	4134.3	4050.1	4044.5	4224.0	4229.7
27.5°	21165.1	19072.7	13379.0	8341.5	5929.4	4330.6	3870.6	3853.8	3943.6	4134.3	4117.5
30°	22421.7	20183.4	14158.7	7831.0	5200.1	3954.8	3764.1	3786.5	3909.9	4055.8	4078.2
32.5°	23885.8	21277.3	14360.6	7550.6	4751.4	3640.6	3506.0	3556.5	3713.6	3943.6	4067.0
35°	25563.1	22051.4	14669.2	7169.1	4583.1	3399.4	3332.1	3388.2	3578.9	3730.4	3865.0
37.5°	26802.8	23420.2	14725.3	6871.8	4397.9	3264.8	3158.2	3343.3	3455.5	3668.7	3736.0
40°	27722.8	24413.1	14871.1	6686.7	4252.1	3090.9	3090.9	3214.3	3365.8	3562.1	3696.7
42.5°	28311.8	25136.7	14977.7	6518.4	3971.6	3040.4	3012.4	3135.8	3337.7	3528.5	3590.2
44°	28670.8	25445.3	14871.1	6361.3	3893.1	2978.7	2978.7	3085.3	3242.4	3466.7	3539.7
45°	28760.5	25832.3	14635.5	6355.7	3797.7	2905.8	2894.6	3096.5	3203.1	3478.0	3522.8
47.5°	29108.3	26309.1	14663.6	6176.2	3567.7	2731.9	2928.2	3018.0	3113.3	3354.6	3506.0
50°	29097.1	26606.4	14601.8	5912.5	3399.4	2535.5	2860.9	2961.9	3057.2	3304.1	3365.8
52.5°	29175.7	27717.1	15168.4	5491.8	3096.5	2283.1	2636.5	2860.9	2978.7	3186.3	3315.3
55°	29136.4	28351.0	15729.4	5177.7	2670.2	2131.7	2445.8	2709.4	2877.7	3096.5	3158.2
57.5°	26612.1	25058.2	14557.0	4588.7	2210.2	1952.1	2176.5	2552.4	2765.5	2989.9	3068.5
60°	21742.9	19313.9	12004.6	3377.0	1817.5	1795.1	2025.1	2501.9	2591.6	2788.0	2922.6
62.5°	20093.7	16941.1	9519.5	2580.4	1553.9	1643.6	1868.0	2260.7	2400.9	2642.1	2765.5
65°	15723.8	11252.9	5895.7	1744.6	1368.7	1475.3	1688.5	1980.2	2210.2	2434.6	2580.4
67.5°	9312.0	6148.1	2917.0	1222.9	1194.8	1307.0	1525.8	1744.6	2008.2	2255.1	2328.0
70°	5071.1	3023.6	1245.3	931.2	1015.3	1116.3	1329.5	1480.9	1733.4	1924.1	2047.5
72.5°	1626.8	920.0	622.7	690.0	774.1	891.9	1021.0	1206.1	1385.6	1497.8	1598.7
75°	392.7	387.1	443.2	482.4	561.0	650.7	757.3	852.7	992.9	1099.5	1189.2
77.5°	274.9	297.3	342.2	398.3	426.3	460.0	527.3	600.2	661.9	740.5	796.6
80°	213.2	230.0	263.7	291.7	319.7	347.8	381.5	409.5	448.8	499.3	527.3
82.5°	201.9	213.2	246.8	263.7	252.4	246.8	269.3	280.5	286.1	302.9	319.7
85°	16.8	0.0	11.2	39.3	95.4	140.2	151.5	151.5	145.9	157.1	157.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	22.4	16.8
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°	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4
2.5°	15168.4	14977.7	15050.6	15140.4	15011.4	14714.0	14792.6	14758.9	15061.8	15039.4	15342.3
5°	12717.0	12419.7	12453.4	12890.9	12750.7	12902.1	12599.2	12559.9	12616.0	12644.1	12694.6
7.5°	9732.7	9693.4	10030.0	10400.2	10574.1	10394.6	10097.3	10030.0	9968.3	9844.9	10125.4
10°	7943.2	7954.4	7932.0	8212.5	8408.8	8369.6	8190.1	8167.6	8049.8	8004.9	8162.0
12.5°	7090.6	6939.1	6866.2	6776.4	6927.9	7028.9	6950.3	6894.2	6899.8	6955.9	6978.4
15°	6265.9	6170.6	6013.5	5912.5	5985.5	5935.0	5906.9	6019.1	5991.1	5979.9	6114.5
17.5°	5340.4	5418.9	5407.7	5295.5	5390.8	5351.6	5346.0	5267.4	5160.9	5082.3	5127.2
20°	4728.9	4874.8	4987.0	4992.6	5043.1	5037.4	4953.3	4712.1	4633.5	4616.7	4627.9
22.5°	4510.1	4588.7	4723.3	4914.0	4914.0	4824.3	4723.3	4442.8	4369.9	4291.4	4257.7
25°	4336.2	4487.7	4661.6	4684.0	4773.8	4689.6	4527.0	4386.7	4235.3	4128.7	4128.7
27.5°	4246.5	4414.8	4543.8	4583.1	4706.5	4639.2	4470.9	4291.4	4111.9	4106.2	4010.9
30°	4207.2	4364.3	4448.4	4543.8	4599.9	4493.3	4442.8	4252.1	4072.6	4027.7	3870.6
32.5°	4089.4	4313.8	4470.9	4448.4	4493.3	4448.4	4375.5	4218.4	4016.5	3915.5	3898.7
35°	3954.8	4179.2	4347.5	4465.3	4493.3	4397.9	4353.1	4139.9	3865.0	3814.5	3640.6
37.5°	3881.9	4016.5	4224.0	4414.8	4454.0	4403.6	4252.1	4033.3	3758.4	3702.4	3550.9
40°	3792.1	3966.0	4128.7	4285.8	4403.6	4280.1	4106.2	3893.1	3769.7	3601.4	3556.5
42.5°	3724.8	3921.1	4055.8	4229.7	4364.3	4201.6	3999.7	3853.8	3679.9	3567.7	3438.7
44°	3702.4	3881.9	3971.6	4184.8	4297.0	4173.6	4005.3	3853.8	3651.9	3550.9	3438.7
45°	3623.8	3870.6	3966.0	4156.7	4252.1	4151.1	3938.0	3786.5	3640.6	3517.2	3399.4
47.5°	3545.3	3713.6	3876.2	4027.7	4095.0	4061.4	3881.9	3696.7	3522.8	3449.9	3337.7
50°	3522.8	3691.1	3842.6	3982.8	4061.4	3994.1	3831.4	3651.9	3449.9	3332.1	3236.8
52.5°	3410.7	3618.2	3786.5	3831.4	3932.3	3893.1	3769.7	3573.3	3382.6	3281.6	3203.1
55°	3248.0	3466.7	3696.7	3752.8	3898.7	3837.0	3651.9	3466.7	3304.1	3152.6	3051.6
57.5°	3186.3	3399.4	3623.8	3696.7	3786.5	3685.5	3640.6	3444.3	3186.3	3107.7	2950.7
60°	3029.2	3298.5	3483.6	3651.9	3657.5	3629.4	3550.9	3326.5	3113.3	2967.5	2855.3
62.5°	2905.8	3158.2	3304.1	3461.1	3556.5	3478.0	3399.4	3191.9	2961.9	2799.2	2670.2
65°	2726.3	2956.3	3079.7	3175.0	3281.6	3270.4	3135.8	2984.3	2743.1	2614.1	2490.7
67.5°	2451.4	2653.4	2821.6	2911.4	2978.7	2961.9	2860.9	2754.3	2507.5	2378.5	2288.7
70°	2120.4	2328.0	2434.6	2485.1	2552.4	2586.0	2507.5	2457.0	2238.2	2070.0	1985.8
72.5°	1705.3	1840.0	1997.0	2041.9	2070.0	2092.4	2092.4	2047.5	1823.1	1755.8	1610.0
75°	1256.6	1363.1	1480.9	1480.9	1531.4	1537.0	1548.3	1520.2	1351.9	1262.2	1228.5
77.5°	852.7	931.2	1026.6	1065.8	1099.5	1093.9	1088.3	1009.7	920.0	880.7	847.1
80°	555.4	633.9	678.8	729.3	762.9	757.3	768.5	712.4	673.2	605.8	617.1
82.5°	331.0	392.7	437.6	499.3	499.3	516.1	516.1	499.3	460.0	426.3	426.3
85°	157.1	207.6	235.6	274.9	297.3	302.9	269.3	230.0	190.7	173.9	190.7
87.5°	28.0	39.3	56.1	50.5	61.7	56.1	56.1	56.1	56.1	44.9	50.5
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: P533904

CATALOG NUMBER: GALN-SA9B-760-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4	17137.4
2.5°	15230.1	15510.6	15706.9	16032.3	16593.3	17042.0	17502.0	17844.2	17883.5	17984.5
5°	12879.7	13031.2	13530.4	14181.1	14641.1	15398.4	15886.5	16772.8	17103.7	17457.1
7.5°	10058.1	10304.9	10972.4	11410.0	12419.7	13367.7	14349.4	15443.3	15880.8	15931.3
10°	8481.8	8840.8	9295.1	9996.3	10546.1	11600.7	12823.6	14040.9	14528.9	14613.1
12.5°	7449.6	7909.6	8515.4	9020.3	9547.6	10467.6	11640.0	13143.3	13777.2	14158.7
15°	6456.7	6933.5	7601.0	8302.2	8767.8	9867.3	11247.3	12941.4	13766.0	14102.6
17.5°	5435.7	5878.9	6428.6	7185.9	8122.7	9356.9	11185.6	13614.6	14517.7	14910.4
20°	4560.6	4807.4	5446.9	6226.7	7399.1	8835.2	11208.0	14607.5	15931.3	16105.2
22.5°	4218.4	4274.5	4527.0	5245.0	6529.6	8302.2	11606.3	16015.5	17518.9	18091.0
25°	3954.8	3943.6	4010.9	4493.3	5895.7	8094.7	11999.0	17311.3	19280.3	19902.9
27.5°	3808.9	3696.7	3702.4	4156.7	5446.9	7758.1	12503.9	18797.8	21277.3	21552.2
30°	3736.0	3713.6	3646.3	3831.4	4958.9	7253.2	12588.0	20262.0	22455.3	22853.6
32.5°	3691.1	3472.4	3388.2	3455.5	4498.9	6703.5	12902.1	21226.8	23913.8	23739.9
35°	3466.7	3270.4	3214.3	3281.6	4173.6	6395.0	12694.6	22068.3	25007.7	25299.4
37.5°	3382.6	3208.7	3096.5	3040.4	3870.6	6136.9	12588.0	23364.1	26067.9	26769.1
40°	3304.1	3119.0	2984.3	2928.2	3635.0	5794.7	12554.3	24362.6	27290.8	27711.5
42.5°	3214.3	3096.5	2945.1	2844.1	3348.9	5452.6	12167.3	24671.1	27666.7	28121.0
44°	3186.3	3006.8	2849.7	2816.0	3236.8	5278.7	12088.7	24951.6	27992.0	28682.0
45°	3158.2	2989.9	2810.4	2765.5	3197.5	5183.3	11982.2	25018.9	28530.5	28659.6
47.5°	3079.7	2973.1	2799.2	2675.8	3113.3	4975.7	11662.4	24637.5	27980.8	28003.2
50°	3018.0	2894.6	2715.1	2473.8	3001.1	4801.8	11808.3	24497.2	26656.9	26707.4
52.5°	2950.7	2765.5	2664.6	2249.5	2816.0	4656.0	12116.8	25131.1	26808.4	26797.2
55°	2872.1	2670.2	2423.4	2058.7	2507.5	4470.9	12862.9	26382.1	28210.8	28401.5
57.5°	2748.7	2574.8	2221.4	1890.4	2154.1	4117.5	12621.7	23986.8	25955.7	25989.4
60°	2586.0	2423.4	2013.9	1761.4	1767.0	3248.0	11286.6	18691.3	20480.7	20968.8
62.5°	2429.0	2339.2	1840.0	1576.3	1503.4	2586.0	9542.0	15533.0	17580.6	17984.5
65°	2243.8	2025.1	1688.5	1436.1	1290.2	1811.9	6759.6	11606.3	13715.5	14259.7
67.5°	2008.2	1772.6	1486.6	1262.2	1105.1	1211.7	3489.2	6596.9	8734.2	9053.9
70°	1755.8	1537.0	1250.9	1065.8	891.9	835.8	1537.0	3147.0	4773.8	5104.8
72.5°	1441.7	1239.7	998.5	841.4	667.5	577.8	516.1	841.4	1694.1	1969.0
75°	1043.4	903.1	751.7	600.2	471.2	370.2	302.9	252.4	280.5	302.9
77.5°	768.5	656.3	555.4	426.3	331.0	263.7	207.6	157.1	151.5	145.9
80°	600.2	532.9	443.2	342.2	258.0	196.3	145.9	106.6	95.4	95.4
82.5°	471.2	437.6	364.6	280.5	213.2	157.1	106.6	72.9	61.7	61.7
85°	179.5	179.5	263.7	230.0	162.7	112.2	72.9	39.3	33.7	33.7
87.5°	44.9	44.9	44.9	44.9	39.3	33.7	33.7	16.8	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)