

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: P534398

Luminaire Tested: **GALN-SA9D-827-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534398
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-SA9D-827-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 1200mA 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: 38396 lumens
Efficiency: N/A
Efficacy: 69.6 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

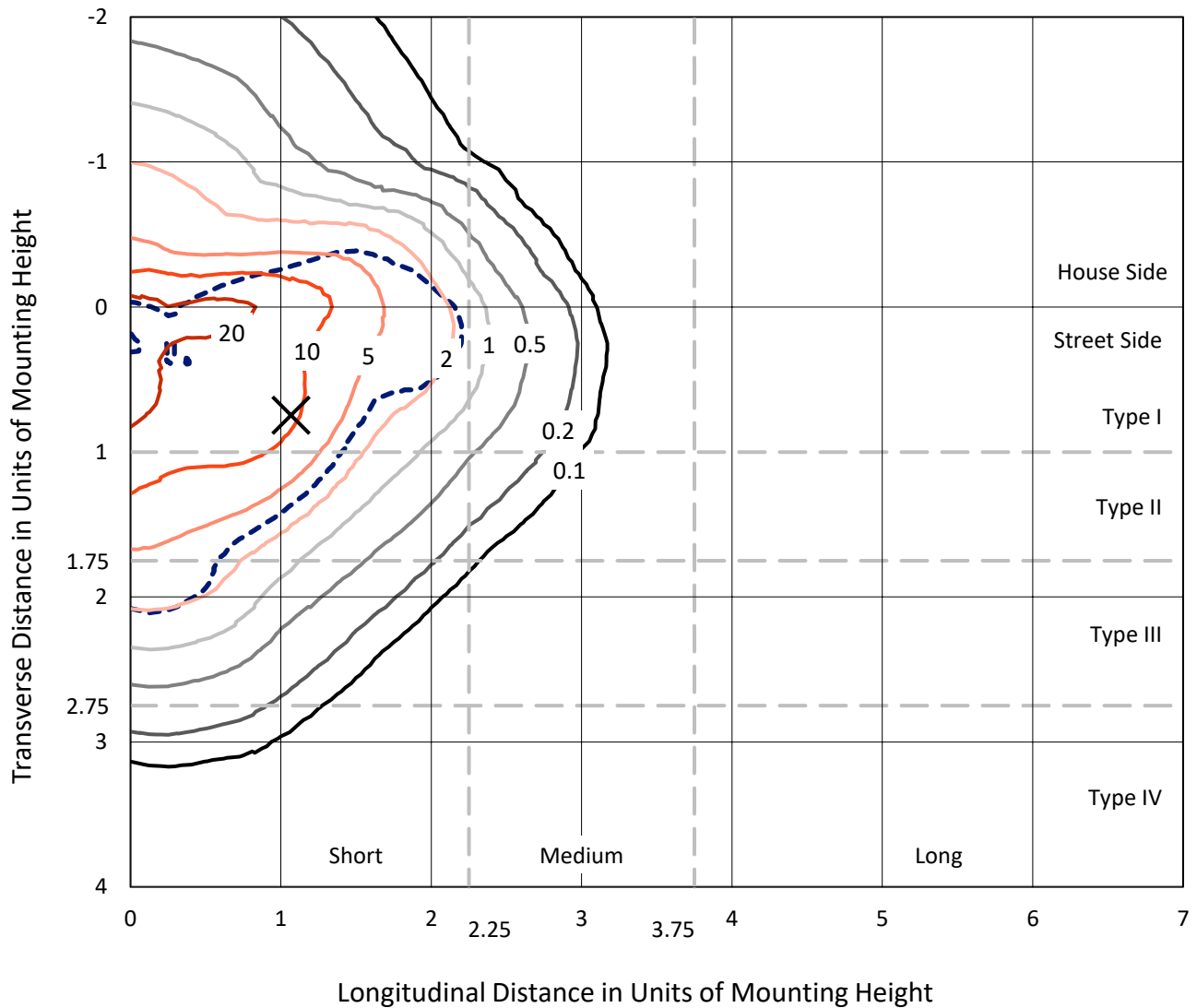
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

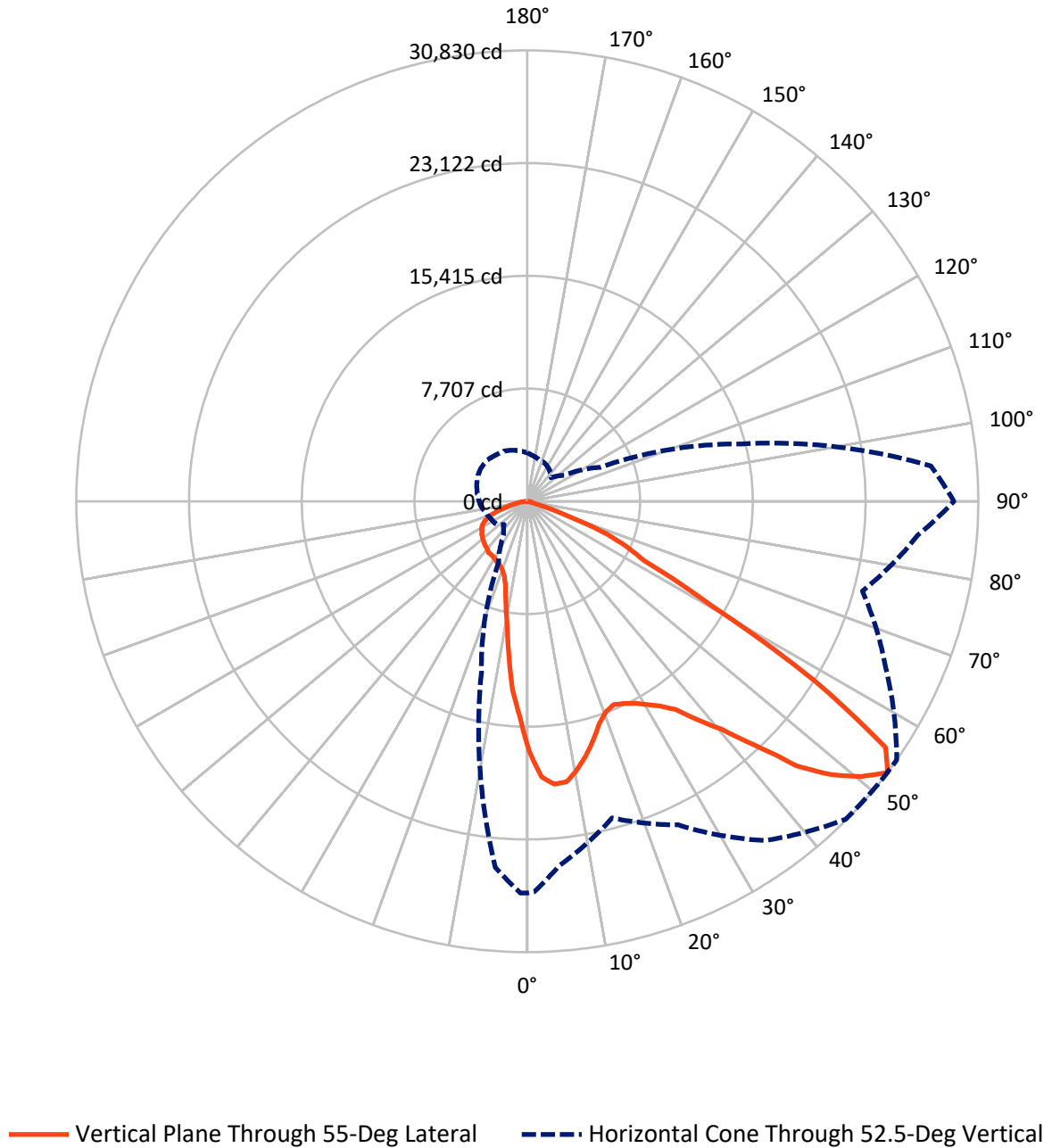
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11712.9	0.0	11712.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	26683.1	0.0	26683.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	38396.0	0.0	38396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1308.5	3.4
10°-20°	2821.3	7.3
20°-30°	4278.1	11.1
30°-40°	6181.1	16.1
40°-50°	8259.7	21.5
50°-60°	9219.6	24.0
60°-70°	5057.4	13.2
70°-80°	1093.4	2.8
80°-90°	176.9	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°	38396.0	100.0
0°-180°	38396.0	100.0

Coefficient of Utilization



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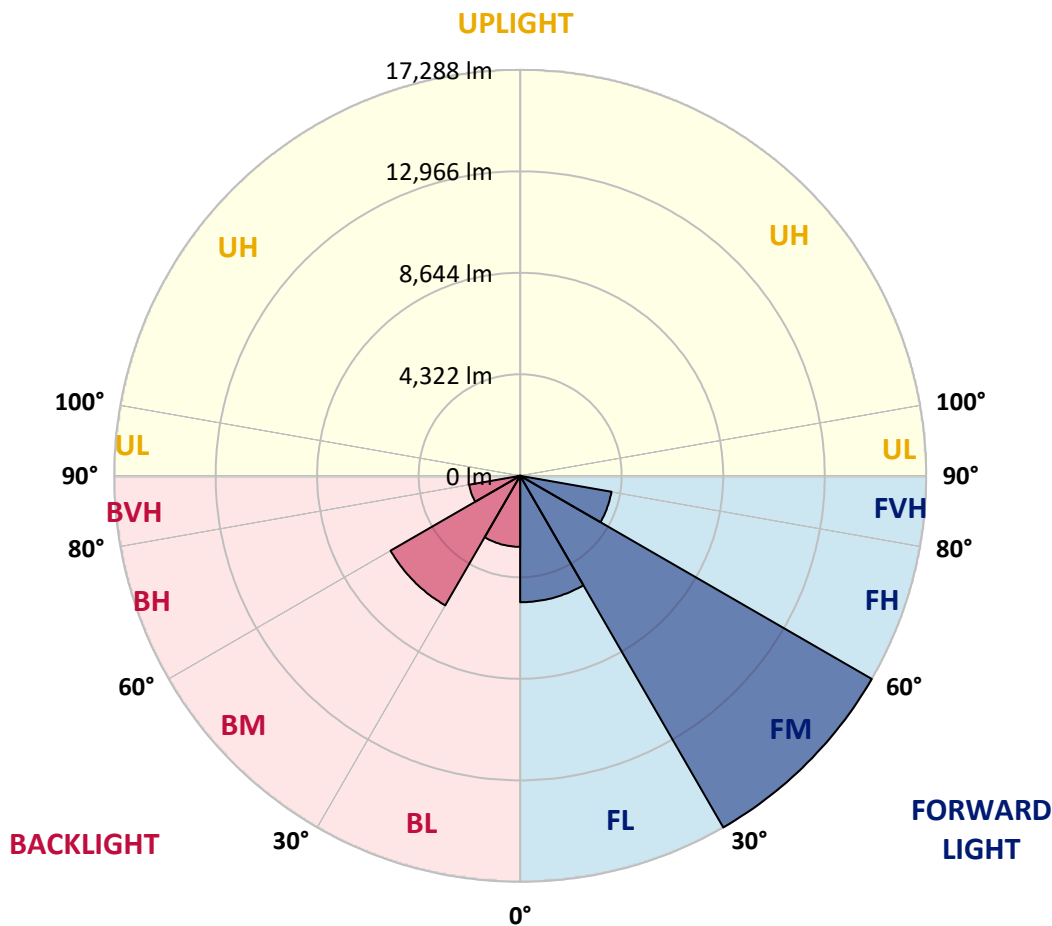
CATALOG NUMBER: GALN-SA9D-827-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5383.8	14.0			
FM (30°-60°)	17287.7	45.0			
FH (60°-80°)	3946.1	10.3			G2/5000
FVH (80°-90°)	65.5	0.2			G1/100
BL (0°-30°)	3024.1	7.9	B4/5000		
BM (30°-60°)	6372.7	16.6	B4/8500		
BH (60°-80°)	2204.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	111.4	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°	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6
2.5°	17974.2	17873.2	17962.9	18389.0	18635.7	18803.9	18910.4	18893.6	18489.9	18097.5	18097.5
5°	17447.2	17318.2	17503.2	18467.5	19437.4	19521.5	19661.7	19431.8	18837.5	18119.9	17222.9
7.5°	15922.2	16017.5	16325.9	17592.9	18854.4	19487.9	19656.1	19364.5	18400.2	17060.3	15742.8
10°	14604.7	14829.0	15541.0	16908.9	18069.5	18893.6	19078.6	18669.3	17906.9	16264.2	15086.9
12.5°	14150.6	14010.4	14800.9	16168.9	17279.0	17721.9	17806.0	17834.0	17318.2	15860.5	14425.3
15°	14094.5	14184.2	14800.9	15838.1	16522.1	16544.5	16684.7	16903.3	16970.6	16135.3	14733.6
17.5°	14901.8	14795.3	15428.8	16253.0	15927.8	15602.6	15636.3	15950.2	16505.3	16370.7	15703.6
20°	16096.0	16337.1	16836.1	16752.0	15877.4	15053.2	15058.8	15356.0	16449.2	17346.2	17054.7
22.5°	18080.7	18316.1	18686.2	17671.4	15877.4	14890.6	14700.0	15103.7	16808.0	18506.8	18579.6
25°	19891.5	20323.2	20424.2	19230.0	16673.5	15042.0	14918.7	15316.7	17166.8	19639.3	20328.8
27.5°	21539.8	21696.8	22139.7	20233.5	17116.4	15142.9	15131.7	15641.9	17621.0	20205.5	21893.0
30°	22840.5	22823.7	23076.0	20867.1	17822.8	15709.2	15165.3	16129.6	18215.2	21141.8	23339.5
32.5°	23726.3	23917.0	24449.6	21747.3	18119.9	16247.4	15821.3	16701.5	18938.5	21584.7	24359.9
35°	25284.9	25615.7	24942.9	22235.0	19061.8	16780.0	16281.0	17480.8	19297.3	22066.8	25610.1
37.5°	26753.8	26501.5	25817.5	22498.5	19672.9	17766.7	17301.4	18988.9	20412.9	23115.2	26439.8
40°	27695.7	27690.1	26473.5	22711.6	20104.6	19274.8	19246.8	20519.5	21780.9	23776.8	27370.5
42.5°	28104.9	28497.4	26742.6	22689.1	21012.8	21102.5	21668.8	22806.9	22750.8	23911.3	27348.1
44°	28665.6	28901.0	27207.9	22739.6	21618.3	22335.9	23670.3	24393.5	23597.4	23838.5	27320.0
45°	28643.2	28660.0	26546.4	22806.9	22134.1	23367.5	24561.7	25783.9	24343.0	23681.5	27690.1
47.5°	27987.2	27796.6	25985.7	22307.9	23743.2	26092.2	27196.7	27936.7	25262.5	23345.1	27230.3
50°	26692.1	26473.5	24623.4	22094.9	24079.5	27785.4	29310.3	29579.4	26097.8	23014.3	26776.2
52.5°	26781.8	26720.2	25010.2	22414.4	24415.9	28318.0	30762.4	30829.7	27045.3	23709.5	26781.8
55°	28385.3	28172.2	26120.3	22812.5	24169.2	27695.7	29837.3	29719.6	26725.8	23289.0	27275.2
57.5°	25974.5	26114.7	24584.1	21237.1	21153.0	22515.3	23457.2	23165.7	22302.3	21018.4	25374.6
60°	20956.8	21354.8	21500.6	17761.1	15961.5	15260.7	14980.3	14464.5	14610.3	17267.7	22291.1
62.5°	17974.2	17951.7	18865.6	16101.6	10456.0	8992.7	8858.1	8975.9	10657.8	16998.6	21831.4
65°	14251.5	14632.7	14913.1	13646.0	8275.1	6677.2	6671.6	7417.3	9222.5	14206.6	17626.6
67.5°	9048.7	9547.7	9895.3	8729.2	5533.5	4754.2	4625.3	5522.3	6391.3	9317.9	10612.9
70°	5101.8	5337.3	5494.3	5034.6	3520.8	2466.8	2321.1	2534.1	3862.8	6032.5	6290.4
72.5°	1967.9	2074.4	2287.4	2304.2	1328.7	796.1	644.7	773.7	1625.9	2388.3	2276.2
75°	302.7	325.2	459.7	549.4	381.2	291.5	308.4	319.6	454.1	616.7	515.8
77.5°	145.8	145.8	140.2	162.6	190.6	207.4	224.3	246.7	269.1	297.1	285.9
80°	95.3	95.3	95.3	112.1	140.2	168.2	190.6	201.8	213.0	235.5	224.3
82.5°	61.7	61.7	61.7	84.1	112.1	140.2	151.4	179.4	201.8	235.5	218.7
85°	33.6	33.6	33.6	56.1	84.1	117.7	112.1	89.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6
2.5°	17626.6	17368.7	17346.2	16819.2	16348.3	16118.4	15933.4	15417.6	15529.8	15232.6	15227.0
5°	16774.4	16247.4	15395.2	14694.4	13993.6	13853.4	13242.3	12709.7	12726.6	12345.3	12412.6
7.5°	15243.8	14879.4	13842.2	12743.4	11812.7	11151.2	10573.7	10226.1	9783.2	9631.8	9553.3
10°	14273.9	13825.4	12659.3	11280.1	10237.3	9884.1	9329.1	9020.7	8566.6	8342.3	8185.4
12.5°	13847.8	13191.9	11734.2	10332.6	9637.4	9273.0	8802.1	8241.4	7703.2	7495.8	7209.8
15°	13892.7	13107.8	11465.1	9951.4	9116.0	8409.6	7989.1	7366.8	6817.4	6453.0	6245.5
17.5°	14571.1	13618.0	11588.5	9659.8	8460.1	7574.3	6750.1	6077.3	5640.0	5365.3	5298.1
20°	16174.5	14879.4	11795.9	9188.9	7804.1	6699.7	5684.9	4984.1	4647.7	4642.1	4647.7
22.5°	17508.8	16225.0	12216.4	8908.6	7148.2	5578.4	4569.2	4345.0	4277.7	4417.9	4434.7
25°	19308.5	17738.7	12939.6	8762.8	6542.7	4754.2	4131.9	4047.8	4042.2	4221.6	4227.2
27.5°	21153.0	19061.8	13371.3	8336.7	5926.0	4328.1	3868.4	3851.6	3941.3	4131.9	4115.1
30°	22408.8	20171.9	14150.6	7826.5	5197.1	3952.5	3761.9	3784.3	3907.7	4053.4	4075.9
32.5°	23872.1	21265.1	14352.4	7546.2	4748.6	3638.6	3504.0	3554.5	3711.4	3941.3	4064.6
35°	25548.4	22038.8	14660.8	7165.0	4580.4	3397.5	3330.2	3386.3	3576.9	3728.3	3862.8
37.5°	26787.4	23406.8	14716.8	6867.9	4395.4	3262.9	3156.4	3341.4	3453.5	3666.6	3733.9
40°	27706.9	24399.1	14862.6	6682.8	4249.7	3089.1	3089.1	3212.5	3363.8	3560.1	3694.6
42.5°	28295.6	25122.3	14969.1	6514.6	3969.3	3038.7	3010.6	3134.0	3335.8	3526.4	3588.1
44°	28654.4	25430.7	14862.6	6357.7	3890.8	2977.0	2977.0	3083.5	3240.5	3464.8	3537.6
45°	28744.1	25817.5	14627.1	6352.1	3795.5	2904.1	2892.9	3094.7	3201.3	3476.0	3520.8
47.5°	29091.7	26294.1	14655.2	6172.7	3565.7	2730.3	2926.5	3016.2	3111.6	3352.6	3504.0
50°	29080.5	26591.2	14593.5	5909.2	3397.5	2534.1	2859.3	2960.2	3055.5	3302.2	3363.8
52.5°	29158.9	27701.3	15159.7	5488.7	3094.7	2281.8	2635.0	2859.3	2977.0	3184.4	3313.4
55°	29119.7	28334.8	15720.4	5174.7	2668.7	2130.4	2444.4	2707.9	2876.1	3094.7	3156.4
57.5°	26596.8	25043.8	14548.6	4586.0	2208.9	1951.0	2175.3	2550.9	2764.0	2988.2	3066.7
60°	21730.4	19302.9	11997.7	3375.1	1816.5	1794.1	2023.9	2500.5	2590.2	2786.4	2920.9
62.5°	20082.2	16931.4	9514.1	2578.9	1553.0	1642.7	1866.9	2259.4	2399.5	2640.6	2764.0
65°	15714.8	11246.5	5892.3	1743.6	1368.0	1474.5	1687.5	1979.1	2208.9	2433.2	2578.9
67.5°	9306.6	6144.6	2915.3	1222.2	1194.2	1306.3	1524.9	1743.6	2007.1	2253.8	2326.7
70°	5068.2	3021.9	1244.6	930.7	1014.8	1115.7	1328.7	1480.1	1732.4	1923.0	2046.3
72.5°	1625.9	919.5	622.3	689.6	773.7	891.4	1020.4	1205.4	1384.8	1496.9	1597.8
75°	392.4	386.8	442.9	482.2	560.6	650.3	756.9	852.2	992.3	1098.9	1188.6
77.5°	274.7	297.1	342.0	398.1	426.1	459.7	527.0	599.9	661.6	740.0	796.1
80°	213.0	229.9	263.5	291.5	319.6	347.6	381.2	409.3	448.5	499.0	527.0
82.5°	201.8	213.0	246.7	263.5	252.3	246.7	269.1	280.3	285.9	302.7	319.6
85°	16.8	0.0	11.2	39.2	95.3	140.2	151.4	151.4	145.8	157.0	157.0
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°	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6
2.5°	15159.7	14969.1	15042.0	15131.7	15002.8	14705.6	14784.1	14750.5	15053.2	15030.8	15333.5
5°	12709.7	12412.6	12446.2	12883.5	12743.4	12894.7	12592.0	12552.8	12608.8	12636.9	12687.3
7.5°	9727.1	9687.9	10024.3	10394.3	10568.1	10388.7	10091.5	10024.3	9962.6	9839.3	10119.6
10°	7938.7	7949.9	7927.5	8207.8	8404.0	8364.8	8185.4	8162.9	8045.2	8000.3	8157.3
12.5°	7086.5	6935.1	6862.2	6772.5	6923.9	7024.8	6946.3	6890.3	6895.9	6951.9	6974.4
15°	6262.4	6167.1	6010.1	5909.2	5982.0	5931.6	5903.6	6015.7	5987.6	5976.4	6111.0
17.5°	5337.3	5415.8	5404.6	5292.5	5387.8	5348.5	5342.9	5264.4	5157.9	5079.4	5124.3
20°	4726.2	4872.0	4984.1	4989.7	5040.2	5034.6	4950.5	4709.4	4630.9	4614.1	4625.3
22.5°	4507.6	4586.0	4720.6	4911.2	4911.2	4821.5	4720.6	4440.3	4367.4	4288.9	4255.3
25°	4333.8	4485.1	4658.9	4681.4	4771.1	4687.0	4524.4	4384.2	4232.8	4126.3	4126.3
27.5°	4244.1	4412.2	4541.2	4580.4	4703.8	4636.5	4468.3	4288.9	4109.5	4103.9	4008.6
30°	4204.8	4361.8	4445.9	4541.2	4597.3	4490.7	4440.3	4249.7	4070.3	4025.4	3868.4
32.5°	4087.1	4311.3	4468.3	4445.9	4490.7	4445.9	4373.0	4216.0	4014.2	3913.3	3896.5
35°	3952.5	4176.8	4345.0	4462.7	4490.7	4395.4	4350.6	4137.5	3862.8	3812.4	3638.6
37.5°	3879.6	4014.2	4221.6	4412.2	4451.5	4401.0	4249.7	4031.0	3756.3	3700.2	3548.9
40°	3789.9	3963.7	4126.3	4283.3	4401.0	4277.7	4103.9	3890.8	3767.5	3599.3	3554.5
42.5°	3722.7	3918.9	4053.4	4227.2	4361.8	4199.2	3997.4	3851.6	3677.8	3565.7	3436.7
44°	3700.2	3879.6	3969.3	4182.4	4294.5	4171.2	4003.0	3851.6	3649.8	3548.9	3436.7
45°	3621.7	3868.4	3963.7	4154.4	4249.7	4148.7	3935.7	3784.3	3638.6	3515.2	3397.5
47.5°	3543.3	3711.4	3874.0	4025.4	4092.7	4059.0	3879.6	3694.6	3520.8	3447.9	3335.8
50°	3520.8	3689.0	3840.4	3980.6	4059.0	3991.8	3829.2	3649.8	3447.9	3330.2	3234.9
52.5°	3408.7	3616.1	3784.3	3829.2	3930.1	3890.8	3767.5	3571.3	3380.7	3279.8	3201.3
55°	3246.1	3464.8	3694.6	3750.7	3896.5	3834.8	3649.8	3464.8	3302.2	3150.8	3049.9
57.5°	3184.4	3397.5	3621.7	3694.6	3784.3	3683.4	3638.6	3442.3	3184.4	3106.0	2949.0
60°	3027.5	3296.6	3481.6	3649.8	3655.4	3627.3	3548.9	3324.6	3111.6	2965.8	2853.7
62.5°	2904.1	3156.4	3302.2	3459.2	3554.5	3476.0	3397.5	3190.0	2960.2	2797.6	2668.7
65°	2724.7	2954.6	3077.9	3173.2	3279.8	3268.5	3134.0	2982.6	2741.5	2612.6	2489.2
67.5°	2450.0	2651.8	2820.0	2909.7	2977.0	2960.2	2859.3	2752.7	2506.1	2377.1	2287.4
70°	2119.2	2326.7	2433.2	2483.6	2550.9	2584.6	2506.1	2455.6	2237.0	2068.8	1984.7
72.5°	1704.3	1838.9	1995.9	2040.7	2068.8	2091.2	2091.2	2046.3	1822.1	1754.8	1609.0
75°	1255.8	1362.4	1480.1	1480.1	1530.6	1536.2	1547.4	1519.3	1351.1	1261.4	1227.8
77.5°	852.2	930.7	1026.0	1065.2	1098.9	1093.3	1087.6	1009.2	919.5	880.2	846.6
80°	555.0	633.5	678.4	728.8	762.5	756.9	768.1	712.0	672.8	605.5	616.7
82.5°	330.8	392.4	437.3	499.0	499.0	515.8	515.8	499.0	459.7	426.1	426.1
85°	157.0	207.4	235.5	274.7	297.1	302.7	269.1	229.9	190.6	173.8	190.6
87.5°	28.0	39.2	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: P534398

CATALOG NUMBER: GALN-SA9D-827-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6	17127.6
2.5°	15221.4	15501.7	15698.0	16023.1	16583.8	17032.3	17492.0	17834.0	17873.2	17974.2
5°	12872.3	13023.7	13522.7	14173.0	14632.7	15389.6	15877.4	16763.2	17093.9	17447.2
7.5°	10052.3	10299.0	10966.1	11403.4	12412.6	13360.1	14341.2	15434.4	15871.7	15922.2
10°	8476.9	8835.7	9289.8	9990.6	10540.1	11594.1	12816.3	14032.8	14520.6	14604.7
12.5°	7445.3	7905.0	8510.5	9015.1	9542.1	10461.6	11633.3	13135.8	13769.3	14150.6
15°	6453.0	6929.5	7596.7	8297.5	8762.8	9861.7	11240.9	12934.0	13758.1	14094.5
17.5°	5432.6	5875.5	6424.9	7181.8	8118.1	9351.5	11179.2	13606.8	14509.4	14901.8
20°	4558.0	4804.7	5443.8	6223.1	7394.9	8830.1	11201.6	14599.1	15922.2	16096.0
22.5°	4216.0	4272.1	4524.4	5242.0	6525.9	8297.5	11599.7	16006.3	17508.8	18080.7
25°	3952.5	3941.3	4008.6	4490.7	5892.3	8090.1	11992.1	17301.4	19269.2	19891.5
27.5°	3806.8	3694.6	3700.2	4154.4	5443.8	7753.7	12496.7	18787.1	21265.1	21539.8
30°	3733.9	3711.4	3644.2	3829.2	4956.1	7249.1	12580.8	20250.4	22442.5	22840.5
32.5°	3689.0	3470.4	3386.3	3453.5	4496.3	6699.7	12894.7	21214.7	23900.1	23726.3
35°	3464.8	3268.5	3212.5	3279.8	4171.2	6391.3	12687.3	22055.6	24993.4	25284.9
37.5°	3380.7	3206.9	3094.7	3038.7	3868.4	6133.4	12580.8	23350.7	26053.0	26753.8
40°	3302.2	3117.2	2982.6	2926.5	3633.0	5791.4	12547.1	24348.6	27275.2	27695.7
42.5°	3212.5	3094.7	2943.4	2842.5	3347.0	5449.4	12160.3	24657.0	27650.8	28104.9
44°	3184.4	3005.0	2848.1	2814.4	3234.9	5275.6	12081.8	24937.3	27976.0	28665.6
45°	3156.4	2988.2	2808.8	2764.0	3195.7	5180.3	11975.3	25004.6	28514.2	28643.2
47.5°	3077.9	2971.4	2797.6	2674.3	3111.6	4972.9	11655.7	24623.4	27964.8	27987.2
50°	3016.2	2892.9	2713.5	2472.4	2999.4	4799.1	11801.5	24483.2	26641.7	26692.1
52.5°	2949.0	2764.0	2663.0	2248.2	2814.4	4653.3	12109.8	25116.7	26793.0	26781.8
55°	2870.5	2668.7	2422.0	2057.6	2506.1	4468.3	12855.5	26367.0	28194.6	28385.3
57.5°	2747.1	2573.3	2220.1	1889.4	2152.9	4115.1	12614.4	23973.0	25940.9	25974.5
60°	2584.6	2422.0	2012.7	1760.4	1766.0	3246.1	11280.1	18680.6	20469.0	20956.8
62.5°	2427.6	2337.9	1838.9	1575.4	1502.5	2584.6	9536.5	15524.2	17570.5	17974.2
65°	2242.6	2023.9	1687.5	1435.2	1289.5	1810.9	6755.7	11599.7	13707.7	14251.5
67.5°	2007.1	1771.6	1485.7	1261.4	1104.5	1211.0	3487.2	6593.1	8729.2	9048.7
70°	1754.8	1536.2	1250.2	1065.2	891.4	835.4	1536.2	3145.2	4771.1	5101.8
72.5°	1440.8	1239.0	997.9	841.0	667.2	577.5	515.8	841.0	1693.1	1967.9
75°	1042.8	902.6	751.3	599.9	470.9	370.0	302.7	252.3	280.3	302.7
77.5°	768.1	656.0	555.0	426.1	330.8	263.5	207.4	157.0	151.4	145.8
80°	599.9	532.6	442.9	342.0	257.9	196.2	145.8	106.5	95.3	95.3
82.5°	470.9	437.3	364.4	280.3	213.0	157.0	106.5	72.9	61.7	61.7
85°	179.4	179.4	263.5	229.9	162.6	112.1	72.9	39.2	33.6	33.6
87.5°	44.9	44.9	44.9	44.9	39.2	33.6	33.6	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)