

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: P532006

Luminaire Tested: **GALN-SA7B-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532006
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-SA7B-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 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: 29517 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

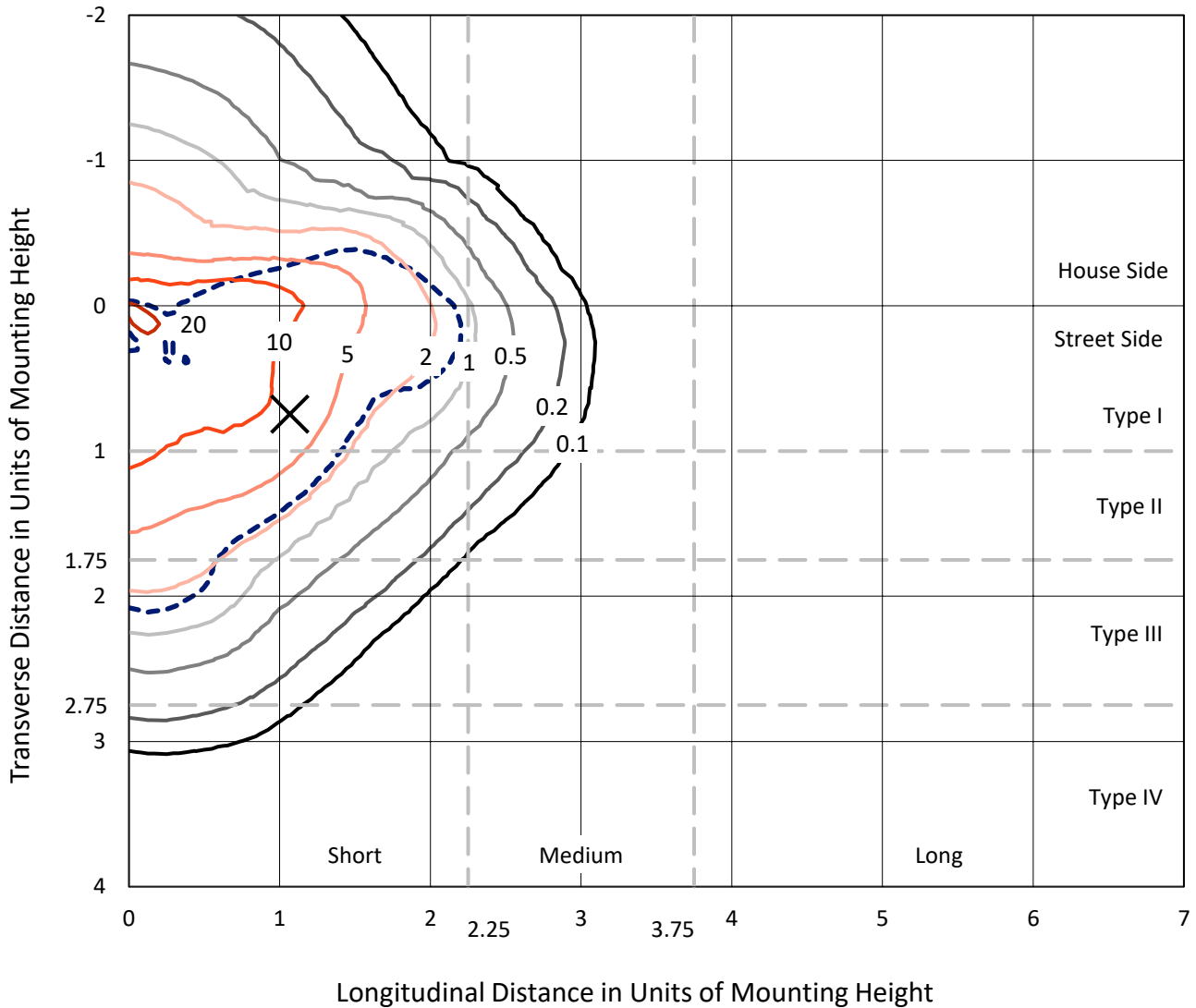
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

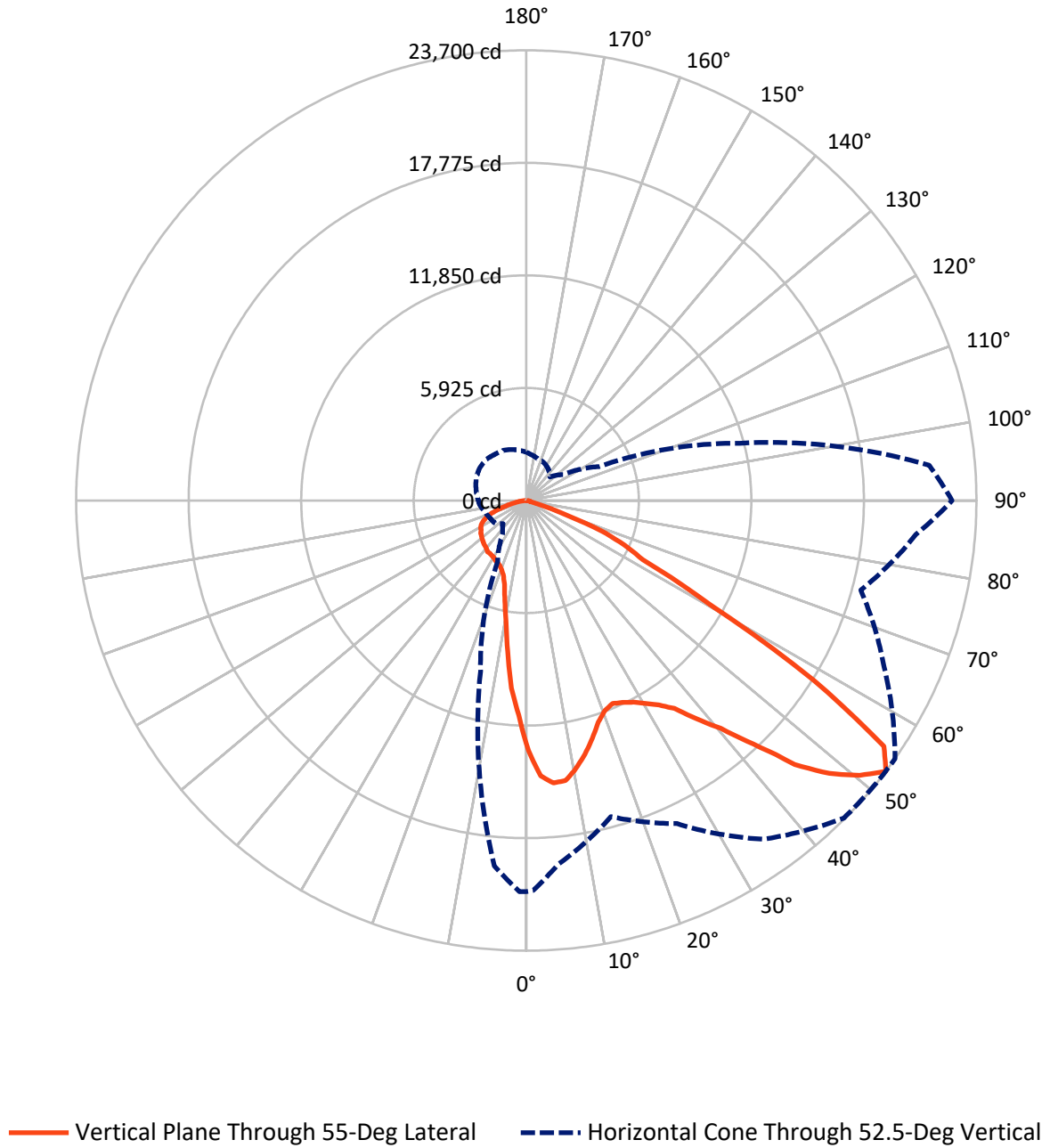
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.4 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	9004.3	0.0	9004.3
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	20512.7	0.0	20512.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	29517.0	0.0	29517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.9	3.4
10°-20°	2168.9	7.3
20°-30°	3288.8	11.1
30°-40°	4751.8	16.1
40°-50°	6349.6	21.5
50°-60°	7087.6	24.0
60°-70°	3887.9	13.2
70°-80°	840.6	2.8
80°-90°	136.0	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°	29517.0	100.0
0°-180°	29517.0	100.0

Coefficient of Utilization



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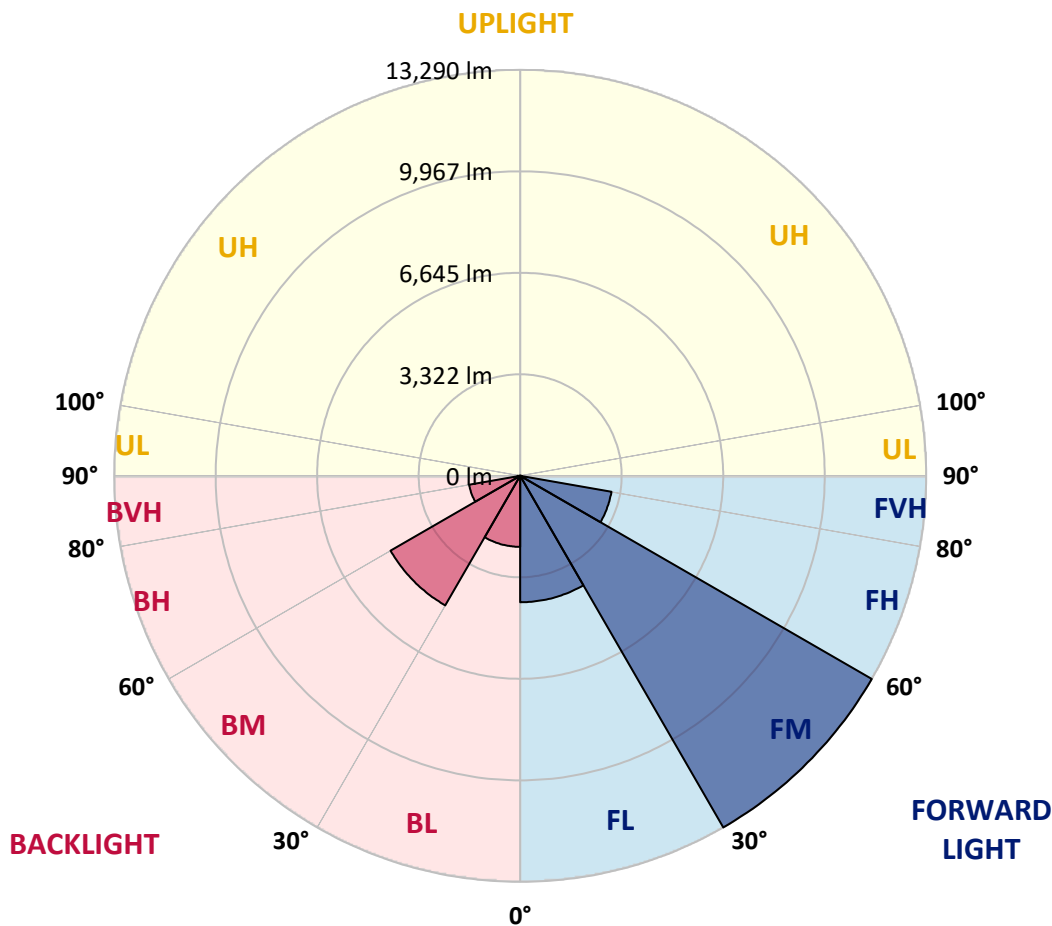
CATALOG NUMBER: GALN-SA7B-750-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4138.8	14.0			
FM (30°-60°)	13289.9	45.0			
FH (60°-80°)	3033.6	10.3			G2/5000
FVH (80°-90°)	50.3	0.2			G1/100
BL (0°-30°)	2324.8	7.9	B3/2500		
BM (30°-60°)	4899.1	16.6	B3/5000		
BH (60°-80°)	1694.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	85.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9
2.5°	13817.7	13740.1	13809.0	14136.6	14326.2	14455.5	14537.4	14524.5	14214.2	13912.5	13912.5
5°	13412.5	13313.4	13455.6	14196.9	14942.6	15007.2	15115.0	14938.3	14481.4	13929.7	13240.1
7.5°	12240.2	12313.5	12550.5	13524.6	14494.3	14981.3	15110.6	14886.5	14145.2	13115.1	12102.3
10°	11227.4	11399.8	11947.2	12998.8	13890.9	14524.5	14666.7	14352.1	13765.9	12503.1	11598.0
12.5°	10878.3	10770.5	11378.2	12429.9	13283.2	13623.7	13688.4	13709.9	13313.4	12192.8	11089.5
15°	10835.2	10904.1	11378.2	12175.6	12701.4	12718.6	12826.4	12994.5	13046.2	12404.0	11326.5
17.5°	11455.8	11373.9	11861.0	12494.5	12244.5	11994.6	12020.4	12261.8	12688.5	12585.0	12072.1
20°	12373.8	12559.2	12942.7	12878.1	12205.7	11572.2	11576.5	11804.9	12645.4	13335.0	13110.8
22.5°	13899.6	14080.6	14365.0	13584.9	12205.7	11447.2	11300.7	11611.0	12921.2	14227.1	14283.1
25°	15291.7	15623.5	15701.1	14783.1	12817.8	11563.6	11468.7	11774.8	13197.0	15097.7	15627.8
27.5°	16558.8	16679.5	17020.0	15554.6	13158.2	11641.1	11632.5	12024.7	13546.1	15533.0	16830.3
30°	17558.7	17545.8	17739.7	16041.6	13701.3	12076.5	11658.4	12399.7	14003.0	16252.8	17942.3
32.5°	18239.7	18386.2	18795.6	16718.3	13929.7	12490.2	12162.6	12839.3	14559.0	16593.3	18726.7
35°	19437.8	19692.1	19174.9	17093.2	14653.8	12899.6	12516.1	13438.4	14834.8	16963.9	19687.8
37.5°	20567.0	20373.1	19847.3	17295.8	15123.6	13658.2	13300.5	14597.8	15692.5	17769.9	20325.7
40°	21291.1	21286.8	20351.5	17459.6	15455.4	14817.6	14796.0	15774.4	16744.1	18278.5	21041.1
42.5°	21605.7	21907.4	20558.4	17442.3	16153.7	16222.6	16657.9	17532.8	17489.7	18381.9	21023.9
44°	22036.7	22217.7	20916.1	17481.1	16619.1	17170.8	18196.6	18752.5	18140.5	18325.9	21002.3
45°	22019.5	22032.4	20407.6	17532.8	17015.6	17963.8	18881.8	19821.4	18713.8	18205.2	21286.8
47.5°	21515.2	21368.7	19976.6	17149.2	18252.6	20058.5	20907.5	21476.4	19420.6	17946.6	20933.4
50°	20519.6	20351.5	18929.3	16985.5	18511.2	21360.1	22532.4	22739.2	20062.8	17692.3	20584.3
52.5°	20588.6	20541.2	19226.6	17231.1	18769.8	21769.5	23648.6	23700.4	20791.1	18226.7	20588.6
55°	21821.2	21657.4	20080.0	17537.1	18580.1	21291.1	22937.5	22847.0	20545.5	17903.5	20967.9
57.5°	19967.9	20075.7	18899.1	16326.1	16261.4	17308.7	18032.8	17808.7	17144.9	16158.0	19506.8
60°	16110.6	16416.6	16528.6	13653.9	12270.4	11731.7	11516.2	11119.6	11231.7	13274.6	17136.3
62.5°	13817.7	13800.4	14502.9	12378.1	8038.0	6913.1	6809.7	6900.2	8193.2	13067.7	16782.9
65°	10955.9	11248.9	11464.4	10490.4	6361.5	5133.1	5128.8	5702.0	7089.9	10921.4	13550.4
67.5°	6956.2	7339.8	7607.0	6710.6	4253.9	3654.8	3555.7	4245.3	4913.3	7163.1	8158.7
70°	3922.0	4103.1	4223.7	3870.3	2706.6	1896.4	1784.3	1948.1	2969.5	4637.5	4835.8
72.5°	1512.8	1594.7	1758.5	1771.4	1021.5	612.0	495.6	594.8	1249.9	1836.0	1749.8
75°	232.7	250.0	353.4	422.4	293.1	224.1	237.0	245.7	349.1	474.1	396.5
77.5°	112.1	112.1	107.7	125.0	146.5	159.5	172.4	189.6	206.9	228.4	219.8
80°	73.3	73.3	73.3	86.2	107.7	129.3	146.5	155.2	163.8	181.0	172.4
82.5°	47.4	47.4	47.4	64.6	86.2	107.7	116.4	137.9	155.2	181.0	168.1
85°	25.9	25.9	25.9	43.1	64.6	90.5	86.2	69.0	38.8	4.3	8.6
87.5°	8.6	8.6	8.6	8.6	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°	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9
2.5°	13550.4	13352.2	13335.0	12929.8	12567.8	12391.1	12248.8	11852.3	11938.5	11710.1	11705.8
5°	12895.3	12490.2	11835.1	11296.4	10757.6	10649.9	10180.1	9770.6	9783.6	9490.5	9542.2
7.5°	11718.7	11438.6	10641.2	9796.5	9081.0	8572.5	8128.5	7861.3	7520.8	7404.5	7344.1
10°	10973.1	10628.3	9731.8	8671.6	7869.9	7598.4	7171.7	6934.7	6585.6	6413.2	6292.5
12.5°	10645.6	10141.3	9020.7	7943.2	7408.8	7128.6	6766.6	6335.6	5921.9	5762.4	5542.6
15°	10680.0	10076.6	8813.8	7650.1	7008.0	6464.9	6141.7	5663.3	5240.9	4960.7	4801.3
17.5°	11201.5	10468.8	8908.6	7426.0	6503.7	5822.7	5189.2	4672.0	4335.8	4124.6	4072.9
20°	12434.2	11438.6	9068.1	7064.0	5999.4	5150.4	4370.3	3831.5	3572.9	3568.6	3572.9
22.5°	13459.9	12473.0	9391.4	6848.5	5495.2	4288.4	3512.6	3340.2	3288.5	3396.2	3409.2
25°	14843.4	13636.6	9947.3	6736.4	5029.7	3654.8	3176.4	3111.8	3107.5	3245.4	3249.7
27.5°	16261.4	14653.8	10279.2	6408.9	4555.6	3327.3	2973.9	2960.9	3029.9	3176.4	3163.5
30°	17226.8	15507.2	10878.3	6016.7	3995.3	3038.5	2892.0	2909.2	3004.0	3116.1	3133.3
32.5°	18351.7	16347.6	11033.4	5801.2	3650.5	2797.2	2693.7	2732.5	2853.2	3029.9	3124.7
35°	19640.4	16942.4	11270.5	5508.1	3521.2	2611.8	2560.1	2603.2	2749.7	2866.1	2969.5
37.5°	20592.9	17994.0	11313.6	5279.7	3379.0	2508.4	2426.5	2568.7	2654.9	2818.7	2870.4
40°	21299.7	18756.9	11425.6	5137.4	3266.9	2374.8	2374.8	2469.6	2586.0	2736.8	2840.3
42.5°	21752.3	19312.8	11507.5	5008.1	3051.4	2336.0	2314.4	2409.3	2564.4	2711.0	2758.4
44°	22028.1	19549.9	11425.6	4887.5	2991.1	2288.6	2288.6	2370.5	2491.1	2663.5	2719.6
45°	22097.1	19847.3	11244.6	4883.2	2917.8	2232.5	2223.9	2379.1	2461.0	2672.2	2706.6
47.5°	22364.3	20213.6	11266.2	4745.2	2741.1	2098.9	2249.8	2318.7	2392.0	2577.3	2693.7
50°	22355.7	20442.0	11218.8	4542.7	2611.8	1948.1	2198.1	2275.6	2348.9	2538.6	2586.0
52.5°	22416.0	21295.4	11654.1	4219.4	2379.1	1754.1	2025.7	2198.1	2288.6	2448.0	2547.2
55°	22385.8	21782.4	12085.1	3978.1	2051.5	1637.8	1879.1	2081.7	2211.0	2379.1	2426.5
57.5°	20446.4	19252.5	11184.3	3525.5	1698.1	1499.9	1672.3	1961.0	2124.8	2297.2	2357.5
60°	16705.3	14839.1	9223.3	2594.6	1396.4	1379.2	1555.9	1922.2	1991.2	2142.0	2245.5
62.5°	15438.2	13016.0	7314.0	1982.6	1193.9	1262.8	1435.2	1736.9	1844.7	2030.0	2124.8
65°	12080.8	8645.7	4529.7	1340.4	1051.6	1133.5	1297.3	1521.4	1698.1	1870.5	1982.6
67.5°	7154.5	4723.7	2241.2	939.6	918.0	1004.2	1172.3	1340.4	1543.0	1732.6	1788.6
70°	3896.2	2323.1	956.8	715.4	780.1	857.7	1021.5	1137.8	1331.8	1478.3	1573.1
72.5°	1249.9	706.8	478.4	530.1	594.8	685.3	784.4	926.6	1064.6	1150.8	1228.3
75°	301.7	297.4	340.5	370.7	431.0	500.0	581.8	655.1	762.9	844.7	913.7
77.5°	211.2	228.4	262.9	306.0	327.6	353.4	405.1	461.2	508.6	568.9	612.0
80°	163.8	176.7	202.6	224.1	245.7	267.2	293.1	314.6	344.8	383.6	405.1
82.5°	155.2	163.8	189.6	202.6	193.9	189.6	206.9	215.5	219.8	232.7	245.7
85°	12.9	0.0	8.6	30.2	73.3	107.7	116.4	116.4	112.1	120.7	120.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	17.2	12.9
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°	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9
2.5°	11654.1	11507.5	11563.6	11632.5	11533.4	11305.0	11365.3	11339.5	11572.2	11554.9	11787.7
5°	9770.6	9542.2	9568.1	9904.2	9796.5	9912.9	9680.1	9650.0	9693.1	9714.6	9753.4
7.5°	7477.7	7447.6	7706.2	7990.6	8124.2	7986.3	7757.9	7706.2	7658.8	7563.9	7779.4
10°	6102.9	6111.5	6094.3	6309.8	6460.6	6430.4	6292.5	6275.3	6184.8	6150.3	6271.0
12.5°	5447.8	5331.4	5275.4	5206.4	5322.8	5400.4	5340.0	5296.9	5301.2	5344.3	5361.6
15°	4814.2	4740.9	4620.3	4542.7	4598.7	4559.9	4538.4	4624.6	4603.0	4594.4	4697.8
17.5°	4103.1	4163.4	4154.8	4068.6	4141.9	4111.7	4107.4	4047.0	3965.1	3904.8	3939.3
20°	3633.3	3745.3	3831.5	3835.8	3874.6	3870.3	3805.7	3620.3	3560.0	3547.1	3555.7
22.5°	3465.2	3525.5	3629.0	3775.5	3775.5	3706.5	3629.0	3413.5	3357.4	3297.1	3271.2
25°	3331.6	3448.0	3581.6	3598.8	3667.8	3603.1	3478.1	3370.4	3254.0	3172.1	3172.1
27.5°	3262.6	3391.9	3491.1	3521.2	3616.0	3564.3	3435.0	3297.1	3159.2	3154.9	3081.6
30°	3232.5	3353.1	3417.8	3491.1	3534.2	3452.3	3413.5	3266.9	3129.0	3094.5	2973.9
32.5°	3141.9	3314.3	3435.0	3417.8	3452.3	3417.8	3361.8	3241.1	3085.9	3008.3	2995.4
35°	3038.5	3210.9	3340.2	3430.7	3452.3	3379.0	3344.5	3180.7	2969.5	2930.8	2797.2
37.5°	2982.5	3085.9	3245.4	3391.9	3422.1	3383.3	3266.9	3098.8	2887.7	2844.6	2728.2
40°	2913.5	3047.1	3172.1	3292.8	3383.3	3288.5	3154.9	2991.1	2896.3	2767.0	2732.5
42.5°	2861.8	3012.6	3116.1	3249.7	3353.1	3228.1	3073.0	2960.9	2827.3	2741.1	2642.0
44°	2844.6	2982.5	3051.4	3215.2	3301.4	3206.6	3077.3	2960.9	2805.8	2728.2	2642.0
45°	2784.2	2973.9	3047.1	3193.7	3266.9	3189.4	3025.6	2909.2	2797.2	2702.3	2611.8
47.5°	2723.9	2853.2	2978.2	3094.5	3146.3	3120.4	2982.5	2840.3	2706.6	2650.6	2564.4
50°	2706.6	2835.9	2952.3	3060.1	3120.4	3068.7	2943.7	2805.8	2650.6	2560.1	2486.8
52.5°	2620.4	2779.9	2909.2	2943.7	3021.3	2991.1	2896.3	2745.4	2598.9	2521.3	2461.0
55°	2495.5	2663.5	2840.3	2883.3	2995.4	2948.0	2805.8	2663.5	2538.6	2422.2	2344.6
57.5°	2448.0	2611.8	2784.2	2840.3	2909.2	2831.6	2797.2	2646.3	2448.0	2387.7	2267.0
60°	2327.4	2534.2	2676.5	2805.8	2810.1	2788.5	2728.2	2555.8	2392.0	2280.0	2193.8
62.5°	2232.5	2426.5	2538.6	2659.2	2732.5	2672.2	2611.8	2452.4	2275.6	2150.7	2051.5
65°	2094.6	2271.3	2366.2	2439.4	2521.3	2512.7	2409.3	2292.9	2107.6	2008.4	1913.6
67.5°	1883.4	2038.6	2167.9	2236.9	2288.6	2275.6	2198.1	2116.2	1926.5	1827.4	1758.5
70°	1629.2	1788.6	1870.5	1909.3	1961.0	1986.9	1926.5	1887.8	1719.7	1590.4	1525.7
72.5°	1310.2	1413.7	1534.3	1568.8	1590.4	1607.6	1607.6	1573.1	1400.7	1349.0	1237.0
75°	965.4	1047.3	1137.8	1137.8	1176.6	1180.9	1189.5	1168.0	1038.7	969.7	943.9
77.5°	655.1	715.4	788.7	818.9	844.7	840.4	836.1	775.8	706.8	676.7	650.8
80°	426.7	487.0	521.5	560.3	586.2	581.8	590.5	547.4	517.2	465.5	474.1
82.5°	254.3	301.7	336.2	383.6	383.6	396.5	396.5	383.6	353.4	327.6	327.6
85°	120.7	159.5	181.0	211.2	228.4	232.7	206.9	176.7	146.5	133.6	146.5
87.5°	21.5	30.2	43.1	38.8	47.4	43.1	43.1	43.1	43.1	34.5	38.8
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: P532006

CATALOG NUMBER: GALN-SA7B-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9	13166.9
2.5°	11701.5	11917.0	12067.8	12317.8	12748.8	13093.6	13447.0	13709.9	13740.1	13817.7
5°	9895.6	10012.0	10395.6	10895.5	11248.9	11830.8	12205.7	12886.7	13141.0	13412.5
7.5°	7727.7	7917.4	8430.2	8766.4	9542.2	10270.6	11024.8	11865.3	12201.4	12240.2
10°	6516.6	6792.5	7141.6	7680.3	8102.7	8913.0	9852.5	10787.8	11162.7	11227.4
12.5°	5723.6	6077.0	6542.5	6930.4	7335.5	8042.3	8943.1	10098.2	10585.2	10878.3
15°	4960.7	5327.1	5840.0	6378.7	6736.4	7581.2	8641.4	9943.0	10576.6	10835.2
17.5°	4176.3	4516.8	4939.2	5521.0	6240.8	7189.0	8594.0	10460.2	11154.1	11455.8
20°	3504.0	3693.6	4185.0	4784.0	5684.8	6788.2	8611.3	11223.1	12240.2	12373.8
22.5°	3241.1	3284.2	3478.1	4029.8	5016.8	6378.7	8917.3	12304.9	13459.9	13899.6
25°	3038.5	3029.9	3081.6	3452.3	4529.7	6219.2	9219.0	13300.5	14813.3	15291.7
27.5°	2926.4	2840.3	2844.6	3193.7	4185.0	5960.6	9606.9	14442.6	16347.6	16558.8
30°	2870.4	2853.2	2801.5	2943.7	3810.0	5572.8	9671.5	15567.5	17252.7	17558.7
32.5°	2835.9	2667.9	2603.2	2654.9	3456.6	5150.4	9912.9	16308.8	18373.3	18239.7
35°	2663.5	2512.7	2469.6	2521.3	3206.6	4913.3	9753.4	16955.3	19213.7	19437.8
37.5°	2598.9	2465.3	2379.1	2336.0	2973.9	4715.1	9671.5	17950.9	20028.3	20567.0
40°	2538.6	2396.3	2292.9	2249.8	2792.8	4452.2	9645.6	18718.1	20967.9	21291.1
42.5°	2469.6	2379.1	2262.7	2185.1	2573.0	4189.3	9348.3	18955.1	21256.6	21605.7
44°	2448.0	2310.1	2189.4	2163.6	2486.8	4055.7	9287.9	19170.6	21506.6	22036.7
45°	2426.5	2297.2	2159.3	2124.8	2456.7	3982.4	9206.0	19222.3	21920.4	22019.5
47.5°	2366.2	2284.3	2150.7	2055.8	2392.0	3822.9	8960.4	18929.3	21498.0	21515.2
50°	2318.7	2223.9	2086.0	1900.7	2305.8	3689.3	9072.4	18821.5	20480.8	20519.6
52.5°	2267.0	2124.8	2047.2	1728.3	2163.6	3577.2	9309.5	19308.5	20597.2	20588.6
55°	2206.7	2051.5	1861.9	1581.7	1926.5	3435.0	9882.7	20269.6	21674.7	21821.2
57.5°	2111.9	1978.3	1706.7	1452.4	1655.0	3163.5	9697.4	18429.3	19942.1	19967.9
60°	1986.9	1861.9	1547.3	1353.3	1357.6	2495.5	8671.6	14360.7	15735.6	16110.6
62.5°	1866.2	1797.2	1413.7	1211.1	1155.1	1986.9	7331.2	11934.2	13507.4	13817.7
65°	1724.0	1555.9	1297.3	1103.3	991.3	1392.1	5193.5	8917.3	10537.8	10955.9
67.5°	1543.0	1361.9	1142.1	969.7	849.1	930.9	2680.8	5068.5	6710.6	6956.2
70°	1349.0	1180.9	961.1	818.9	685.3	642.2	1180.9	2417.9	3667.8	3922.0
72.5°	1107.7	952.5	767.2	646.5	512.9	443.9	396.5	646.5	1301.6	1512.8
75°	801.6	693.9	577.5	461.2	362.0	284.5	232.7	193.9	215.5	232.7
77.5°	590.5	504.3	426.7	327.6	254.3	202.6	159.5	120.7	116.4	112.1
80°	461.2	409.4	340.5	262.9	198.3	150.8	112.1	81.9	73.3	73.3
82.5°	362.0	336.2	280.1	215.5	163.8	120.7	81.9	56.0	47.4	47.4
85°	137.9	137.9	202.6	176.7	125.0	86.2	56.0	30.2	25.9	25.9
87.5°	34.5	34.5	34.5	34.5	30.2	25.9	25.9	12.9	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)