

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: P533644

Luminaire Tested: **GALN-SA9A-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533644
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-SA9A-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 615mA 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: 30876 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

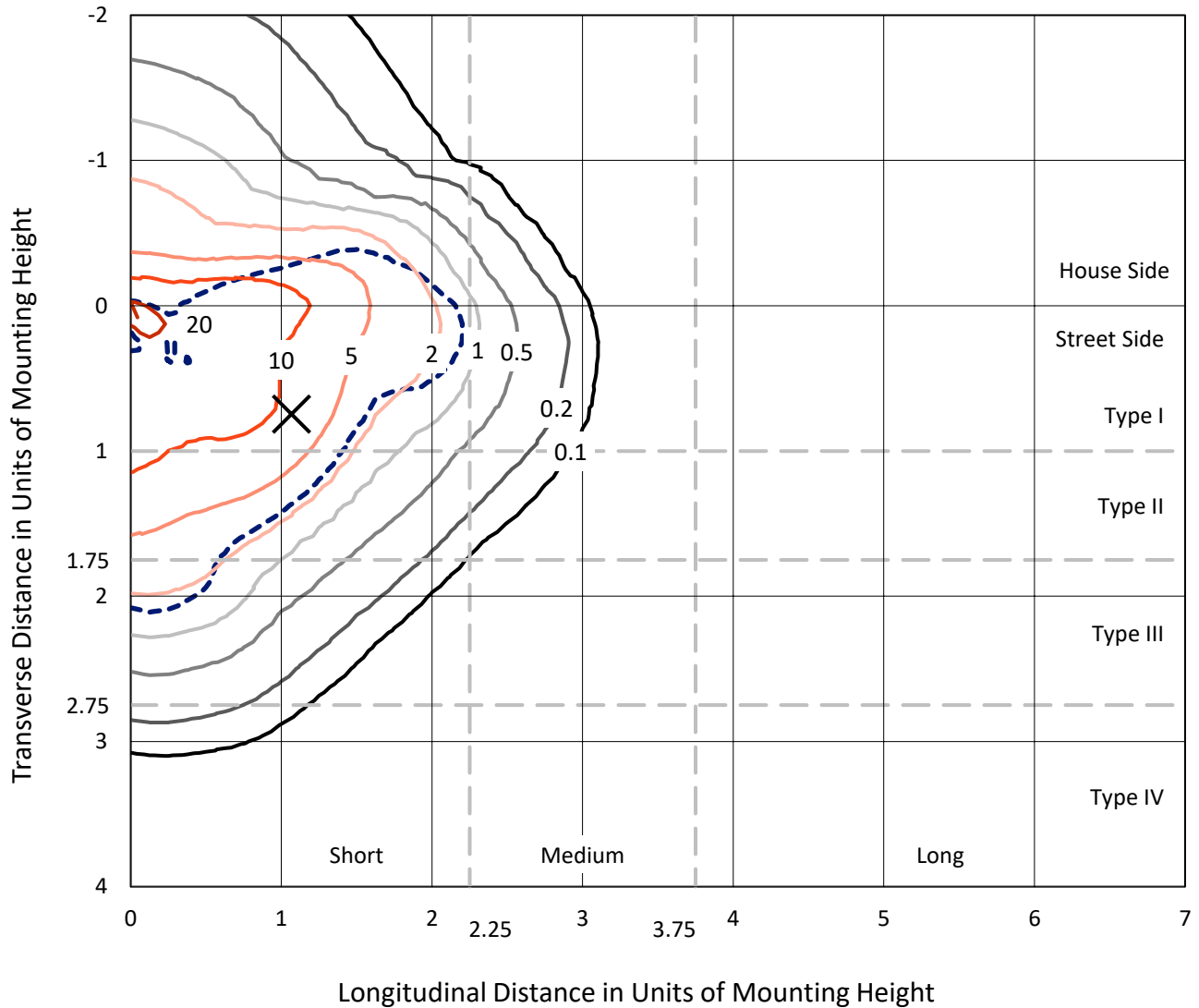
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

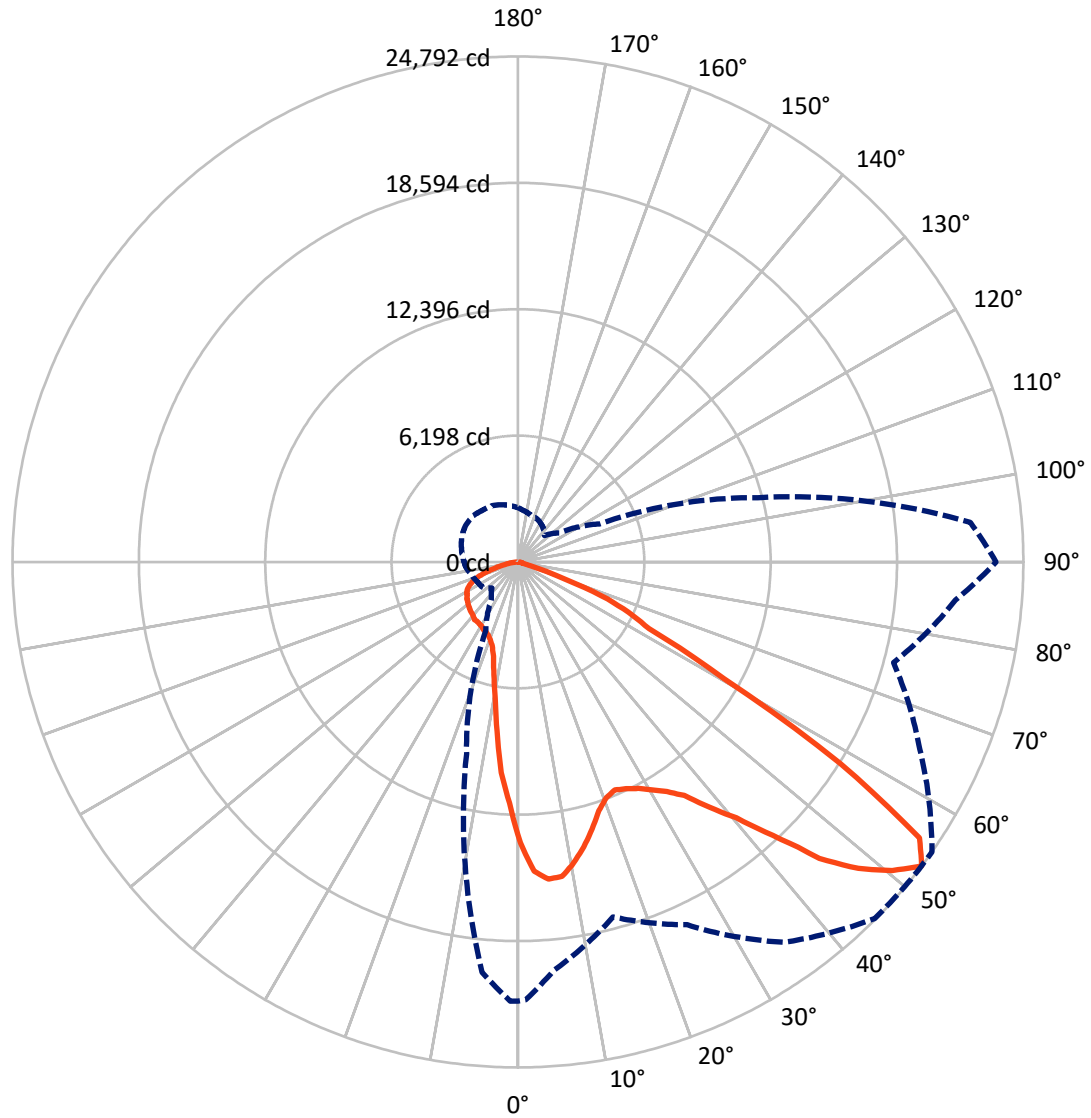
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.4 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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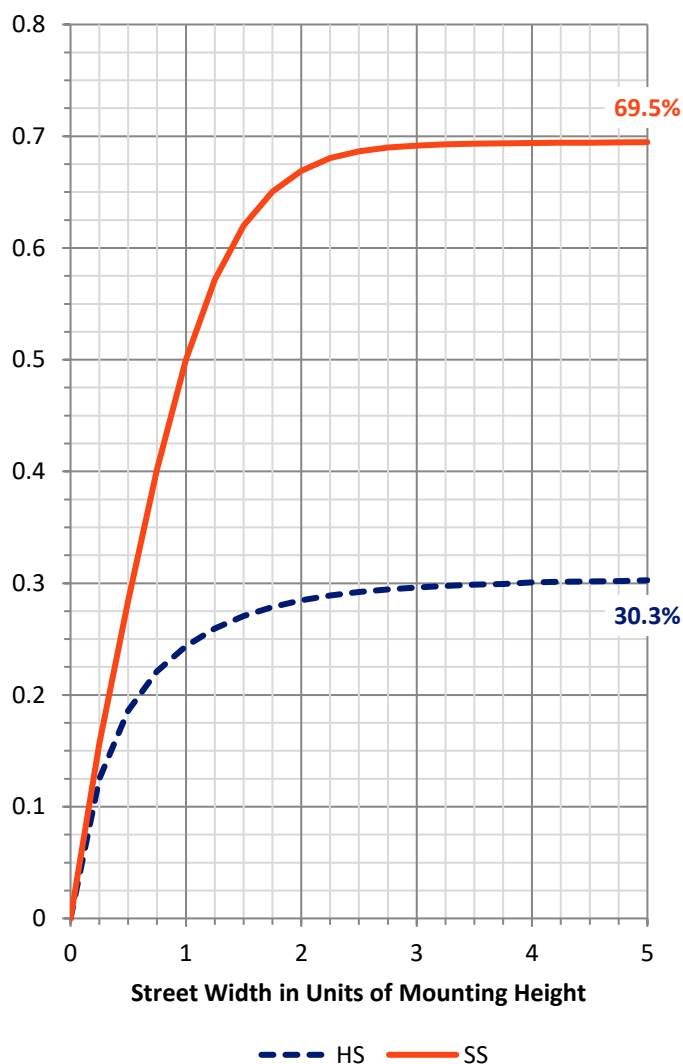
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9418.9	0.0	9418.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	21457.1	0.0	21457.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	30876.0	0.0	30876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1052.2	3.4
10°-20°	2268.8	7.3
20°-30°	3440.2	11.1
30°-40°	4970.5	16.1
40°-50°	6642.0	21.5
50°-60°	7413.9	24.0
60°-70°	4066.9	13.2
70°-80°	879.3	2.8
80°-90°	142.2	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°	30876.0	100.0
0°-180°	30876.0	100.0

Coefficient of Utilization



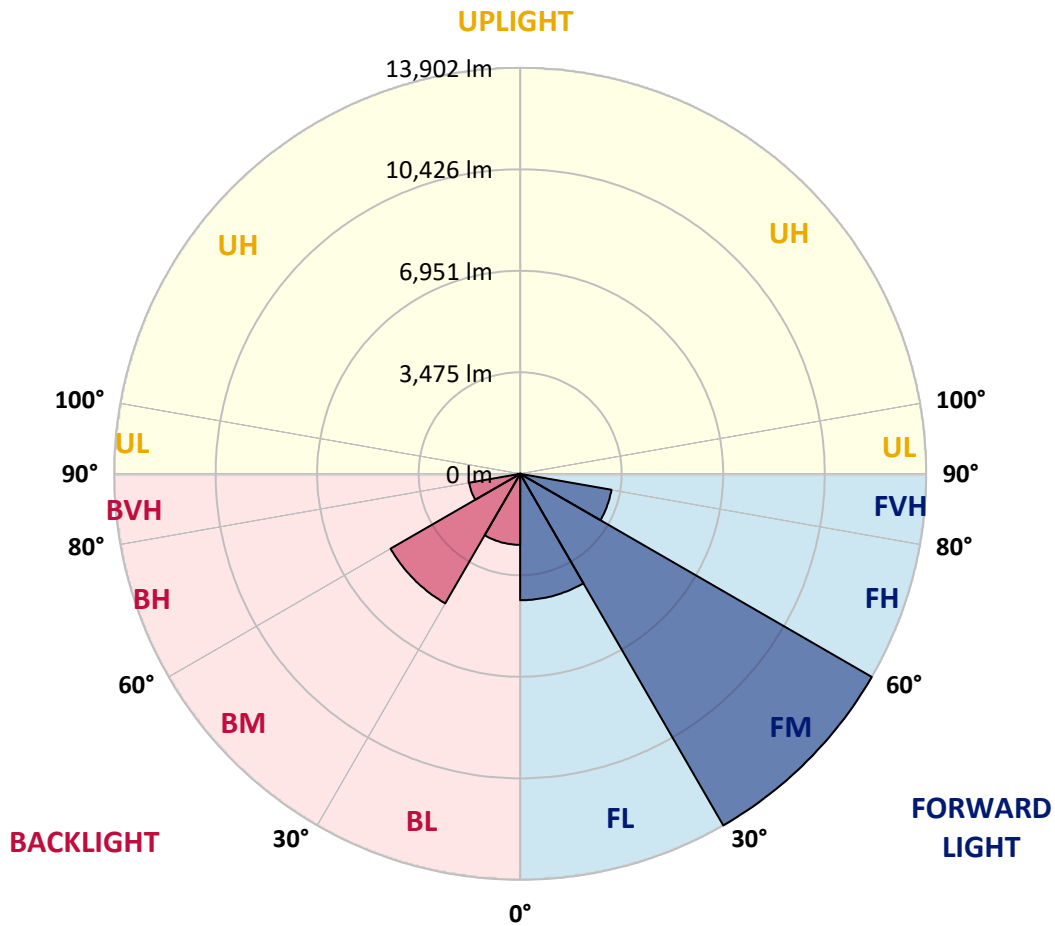
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4329.4	14.0			
FM (30°-60°)	13901.8	45.0			
FH (60°-80°)	3173.3	10.3			G2/5000
FVH (80°-90°)	52.7	0.2			G1/100
BL (0°-30°)	2431.8	7.9	B3/2500		
BM (30°-60°)	5124.6	16.6	B4/8500		
BH (60°-80°)	1772.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	89.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1
2.5°	14453.8	14372.7	14444.8	14787.5	14985.8	15121.1	15206.7	15193.2	14868.6	14553.0	14553.0
5°	14030.1	13926.4	14075.1	14850.6	15630.5	15698.2	15810.9	15626.0	15148.1	14571.1	13849.7
7.5°	12803.8	12880.4	13128.4	14147.3	15161.7	15671.1	15806.4	15571.9	14796.5	13719.0	12659.5
10°	11744.3	11924.7	12497.2	13597.3	14530.5	15193.2	15342.0	15012.9	14399.7	13078.8	12132.0
12.5°	11379.1	11266.4	11902.1	13002.2	13894.8	14251.0	14318.6	14341.1	13926.4	12754.2	11600.0
15°	11334.1	11406.2	11902.1	12736.2	13286.2	13304.2	13416.9	13592.7	13646.8	12975.1	11848.0
17.5°	11983.3	11897.6	12407.0	13069.8	12808.3	12546.8	12573.9	12826.3	13272.7	13164.5	12628.0
20°	12943.5	13137.4	13538.6	13471.0	12767.7	12105.0	12109.5	12348.4	13227.6	13948.9	13714.5
22.5°	14539.5	14728.9	15026.4	14210.4	12767.7	11974.2	11821.0	12145.6	13516.1	14882.1	14940.8
25°	15995.7	16342.9	16424.0	15463.7	13407.9	12096.0	11996.8	12316.9	13804.6	15792.8	16347.4
27.5°	17321.2	17447.4	17803.6	16270.7	13764.1	12177.1	12168.1	12578.4	14169.8	16248.2	17605.2
30°	18367.1	18353.6	18556.5	16780.2	14332.1	12632.5	12195.2	12970.6	14647.7	17001.1	18768.4
32.5°	19079.4	19232.7	19661.0	17488.0	14571.1	13065.3	12722.6	13430.4	15229.3	17357.2	19588.9
35°	20332.8	20598.8	20057.8	17880.2	15328.5	13493.6	13092.3	14057.1	15517.8	17745.0	20594.3
37.5°	21514.0	21311.1	20761.1	18092.1	15819.9	14287.0	13912.8	15269.9	16415.0	18588.0	21261.5
40°	22271.4	22266.9	21288.5	18263.4	16167.0	15499.8	15477.2	16500.7	17515.0	19120.0	22009.9
42.5°	22600.5	22916.1	21504.9	18245.4	16897.4	16969.5	17424.9	18340.1	18295.0	19228.2	21991.9
44°	23051.3	23240.7	21879.1	18286.0	17384.3	17961.4	19034.4	19615.9	18975.7	19169.6	21969.3
45°	23033.3	23046.8	21347.2	18340.1	17799.1	18790.9	19751.2	20734.0	19575.4	19043.4	22266.9
47.5°	22505.8	22352.5	20896.3	17938.8	19093.0	20982.0	21870.1	22465.2	20314.7	18772.9	21897.2
50°	21464.4	21288.5	19800.8	17767.5	19363.5	22343.5	23569.8	23786.2	20986.5	18506.9	21532.0
52.5°	21536.5	21486.9	20111.9	18024.5	19634.0	22771.8	24737.5	24791.6	21748.4	19065.9	21536.5
55°	22825.9	22654.6	21004.5	18344.6	19435.6	22271.4	23993.6	23898.9	21491.4	18727.8	21933.2
57.5°	20887.3	21000.0	19769.2	17077.7	17010.1	18105.6	18863.0	18628.6	17934.3	16901.9	20404.9
60°	16852.3	17172.4	17289.6	14282.5	12835.3	12271.8	12046.4	11631.6	11748.8	13885.8	17925.3
62.5°	14453.8	14435.8	15170.7	12948.1	8408.1	7231.4	7123.2	7217.9	8570.4	13669.4	17555.6
65°	11460.3	11766.9	11992.3	10973.4	6654.4	5369.5	5365.0	5964.6	7416.3	11424.2	14174.3
67.5°	7276.5	7677.8	7957.3	7019.5	4449.8	3823.1	3719.4	4440.7	5139.5	7492.9	8534.4
70°	4102.6	4292.0	4418.2	4048.5	2831.3	1983.7	1866.5	2037.8	3106.3	4851.0	5058.4
72.5°	1582.4	1668.1	1839.4	1852.9	1068.5	640.2	518.5	622.2	1307.4	1920.6	1830.4
75°	243.5	261.5	369.7	441.8	306.6	234.4	248.0	257.0	365.2	495.9	414.8
77.5°	117.2	117.2	112.7	130.7	153.3	166.8	180.3	198.4	216.4	238.9	229.9
80°	76.6	76.6	76.6	90.2	112.7	135.3	153.3	162.3	171.3	189.4	180.3
82.5°	49.6	49.6	49.6	67.6	90.2	112.7	121.7	144.3	162.3	189.4	175.8
85°	27.1	27.1	27.1	45.1	67.6	94.7	90.2	72.1	40.6	4.5	9.0
87.5°	9.0	9.0	9.0	9.0	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°	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1
2.5°	14174.3	13966.9	13948.9	13525.1	13146.4	12961.6	12812.8	12398.0	12488.2	12249.3	12244.7
5°	13489.1	13065.3	12380.0	11816.4	11252.9	11140.2	10648.8	10220.5	10234.0	9927.4	9981.5
7.5°	12258.3	11965.2	11131.2	10247.5	9499.1	8967.2	8502.8	8223.3	7867.1	7745.4	7682.3
10°	11478.3	11117.7	10179.9	9070.8	8232.3	7948.3	7501.9	7254.0	6888.8	6708.5	6582.2
12.5°	11135.7	10608.2	9436.0	8308.9	7749.9	7456.9	7078.1	6627.3	6194.5	6027.7	5797.8
15°	11171.8	10540.6	9219.6	8002.4	7330.6	6762.6	6424.4	5924.0	5482.2	5189.1	5022.3
17.5°	11717.3	10950.8	9318.8	7767.9	6803.1	6090.8	5428.1	4887.1	4535.4	4314.5	4260.4
20°	13006.7	11965.2	9485.6	7389.2	6275.7	5387.5	4571.5	4007.9	3737.4	3732.9	3737.4
22.5°	14079.7	13047.2	9823.7	7163.8	5748.2	4485.8	3674.3	3494.0	3439.9	3552.6	3566.1
25°	15526.8	14264.5	10405.3	7046.6	5261.3	3823.1	3322.7	3255.0	3250.5	3394.8	3399.3
27.5°	17010.1	15328.5	10752.5	6704.0	4765.4	3480.5	3110.8	3097.3	3169.4	3322.7	3309.1
30°	18020.0	16221.1	11379.1	6293.7	4179.3	3178.4	3025.1	3043.2	3142.3	3259.6	3277.6
32.5°	19196.7	17100.3	11541.4	6068.3	3818.6	2925.9	2817.7	2858.3	2984.5	3169.4	3268.6
35°	20544.7	17722.4	11789.4	5761.7	3683.3	2732.1	2678.0	2723.1	2876.3	2998.1	3106.3
37.5°	21541.0	18822.5	11834.5	5522.8	3534.6	2623.9	2538.2	2687.0	2777.2	2948.5	3002.6
40°	22280.4	19620.4	11951.7	5374.0	3417.3	2484.1	2484.1	2583.3	2705.0	2862.8	2971.0
42.5°	22753.8	20202.0	12037.4	5238.7	3191.9	2443.5	2421.0	2520.2	2682.5	2835.8	2885.4
44°	23042.3	20450.0	11951.7	5112.5	3128.8	2393.9	2393.9	2479.6	2605.8	2786.2	2844.8
45°	23114.4	20761.1	11762.3	5108.0	3052.2	2335.3	2326.3	2488.6	2574.3	2795.2	2831.3
47.5°	23394.0	21144.3	11784.9	4963.7	2867.3	2195.6	2353.4	2425.5	2502.1	2696.0	2817.7
50°	23384.9	21383.2	11735.3	4751.8	2732.1	2037.8	2299.3	2380.4	2457.1	2655.4	2705.0
52.5°	23448.1	22275.9	12190.6	4413.7	2488.6	1834.9	2118.9	2299.3	2393.9	2560.8	2664.4
55°	23416.5	22785.3	12641.5	4161.2	2146.0	1713.2	1965.7	2177.5	2312.8	2488.6	2538.2
57.5°	21387.7	20138.9	11699.2	3687.9	1776.3	1568.9	1749.2	2051.3	2222.6	2403.0	2466.1
60°	17474.5	15522.3	9647.9	2714.0	1460.7	1442.7	1627.5	2010.7	2082.9	2240.7	2348.9
62.5°	16149.0	13615.3	7650.7	2073.9	1248.8	1321.0	1501.3	1816.9	1929.6	2123.4	2222.6
65°	12637.0	9043.8	4738.3	1402.1	1100.0	1185.7	1357.0	1591.5	1776.3	1956.6	2073.9
67.5°	7483.9	4941.2	2344.4	982.8	960.3	1050.5	1226.3	1402.1	1614.0	1812.4	1871.0
70°	4075.6	2430.0	1000.9	748.4	816.0	897.2	1068.5	1190.2	1393.1	1546.4	1645.6
72.5°	1307.4	739.4	500.4	554.5	622.2	716.8	820.5	969.3	1113.6	1203.7	1284.9
75°	315.6	311.1	356.2	387.7	450.8	523.0	608.6	685.3	798.0	883.6	955.8
77.5°	220.9	238.9	275.0	320.1	342.6	369.7	423.8	482.4	532.0	595.1	640.2
80°	171.3	184.8	211.9	234.4	257.0	279.5	306.6	329.1	360.7	401.2	423.8
82.5°	162.3	171.3	198.4	211.9	202.9	198.4	216.4	225.4	229.9	243.5	257.0
85°	13.5	0.0	9.0	31.6	76.6	112.7	121.7	121.7	117.2	126.2	126.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	18.0	13.5
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°	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1
2.5°	12190.6	12037.4	12096.0	12168.1	12064.4	11825.5	11888.6	11861.5	12105.0	12087.0	12330.4
5°	10220.5	9981.5	10008.6	10360.2	10247.5	10369.3	10125.8	10094.3	10139.3	10161.9	10202.5
7.5°	7822.0	7790.5	8061.0	8358.5	8498.3	8354.0	8115.1	8061.0	8011.4	7912.2	8137.6
10°	6383.9	6392.9	6374.8	6600.3	6758.1	6726.5	6582.2	6564.2	6469.5	6433.5	6559.7
12.5°	5698.6	5576.9	5518.3	5446.1	5567.8	5649.0	5585.9	5540.8	5545.3	5590.4	5608.4
15°	5035.9	4959.2	4833.0	4751.8	4810.4	4769.9	4747.3	4837.5	4814.9	4805.9	4914.1
17.5°	4292.0	4355.1	4346.1	4255.9	4332.5	4301.0	4296.5	4233.4	4147.7	4084.6	4120.7
20°	3800.6	3917.8	4007.9	4012.5	4053.0	4048.5	3980.9	3787.0	3723.9	3710.4	3719.4
22.5°	3624.7	3687.9	3796.1	3949.3	3949.3	3877.2	3796.1	3570.6	3512.0	3448.9	3421.9
25°	3485.0	3606.7	3746.5	3764.5	3836.6	3769.0	3638.3	3525.5	3403.8	3318.2	3318.2
27.5°	3412.8	3548.1	3651.8	3683.3	3782.5	3728.4	3593.2	3448.9	3304.6	3300.1	3223.5
30°	3381.3	3507.5	3575.1	3651.8	3696.9	3611.2	3570.6	3417.3	3273.1	3237.0	3110.8
32.5°	3286.6	3466.9	3593.2	3575.1	3611.2	3575.1	3516.5	3390.3	3228.0	3146.8	3133.3
35°	3178.4	3358.7	3494.0	3588.7	3611.2	3534.6	3498.5	3327.2	3106.3	3065.7	2925.9
37.5°	3119.8	3228.0	3394.8	3548.1	3579.6	3539.1	3417.3	3241.5	3020.6	2975.5	2853.8
40°	3047.7	3187.4	3318.2	3444.4	3539.1	3439.9	3300.1	3128.8	3029.6	2894.4	2858.3
42.5°	2993.6	3151.4	3259.6	3399.3	3507.5	3376.8	3214.5	3097.3	2957.5	2867.3	2763.6
44°	2975.5	3119.8	3191.9	3363.2	3453.4	3354.2	3219.0	3097.3	2935.0	2853.8	2763.6
45°	2912.4	3110.8	3187.4	3340.7	3417.3	3336.2	3164.9	3043.2	2925.9	2826.8	2732.1
47.5°	2849.3	2984.5	3115.3	3237.0	3291.1	3264.1	3119.8	2971.0	2831.3	2772.7	2682.5
50°	2831.3	2966.5	3088.2	3200.9	3264.1	3210.0	3079.2	2935.0	2772.7	2678.0	2601.3
52.5°	2741.1	2907.9	3043.2	3079.2	3160.4	3128.8	3029.6	2871.8	2718.5	2637.4	2574.3
55°	2610.3	2786.2	2971.0	3016.1	3133.3	3083.7	2935.0	2786.2	2655.4	2533.7	2452.6
57.5°	2560.8	2732.1	2912.4	2971.0	3043.2	2962.0	2925.9	2768.1	2560.8	2497.6	2371.4
60°	2434.5	2650.9	2799.7	2935.0	2939.5	2916.9	2853.8	2673.5	2502.1	2384.9	2294.8
62.5°	2335.3	2538.2	2655.4	2781.7	2858.3	2795.2	2732.1	2565.3	2380.4	2249.7	2146.0
65°	2191.1	2375.9	2475.1	2551.7	2637.4	2628.4	2520.2	2398.5	2204.6	2100.9	2001.7
67.5°	1970.2	2132.5	2267.7	2339.8	2393.9	2380.4	2299.3	2213.6	2015.2	1911.6	1839.4
70°	1704.2	1871.0	1956.6	1997.2	2051.3	2078.4	2015.2	1974.7	1798.8	1663.6	1596.0
72.5°	1370.5	1478.7	1605.0	1641.0	1663.6	1681.6	1681.6	1645.6	1465.2	1411.1	1293.9
75°	1009.9	1095.5	1190.2	1190.2	1230.8	1235.3	1244.3	1221.8	1086.5	1014.4	987.3
77.5°	685.3	748.4	825.0	856.6	883.6	879.1	874.6	811.5	739.4	707.8	680.8
80°	446.3	509.4	545.5	586.1	613.1	608.6	617.6	572.6	541.0	486.9	495.9
82.5°	266.0	315.6	351.7	401.2	401.2	414.8	414.8	401.2	369.7	342.6	342.6
85°	126.2	166.8	189.4	220.9	238.9	243.5	216.4	184.8	153.3	139.8	153.3
87.5°	22.5	31.6	45.1	40.6	49.6	45.1	45.1	45.1	45.1	36.1	40.6
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: P533644

CATALOG NUMBER: GALN-SA9A-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1	13773.1
2.5°	12240.2	12465.7	12623.4	12884.9	13335.8	13696.4	14066.1	14341.1	14372.7	14453.8
5°	10351.2	10473.0	10874.2	11397.2	11766.9	12375.5	12767.7	13480.0	13746.0	14030.1
7.5°	8083.5	8281.9	8818.4	9170.0	9981.5	10743.5	11532.4	12411.6	12763.2	12803.8
10°	6816.7	7105.2	7470.4	8033.9	8475.7	9323.3	10306.1	11284.5	11676.7	11744.3
12.5°	5987.1	6356.8	6843.7	7249.5	7673.3	8412.6	9354.9	10563.1	11072.6	11379.1
15°	5189.1	5572.4	6108.8	6672.4	7046.6	7930.2	9039.3	10400.8	11063.6	11334.1
17.5°	4368.6	4724.8	5166.6	5775.2	6528.1	7520.0	8989.7	10941.8	11667.7	11983.3
20°	3665.3	3863.7	4377.6	5004.3	5946.5	7100.7	9007.7	11739.8	12803.8	12943.5
22.5°	3390.3	3435.4	3638.3	4215.3	5247.7	6672.4	9327.8	12871.4	14079.7	14539.5
25°	3178.4	3169.4	3223.5	3611.2	4738.3	6505.6	9643.4	13912.8	15495.3	15995.7
27.5°	3061.2	2971.0	2975.5	3340.7	4377.6	6235.1	10049.2	15107.6	17100.3	17321.2
30°	3002.6	2984.5	2930.4	3079.2	3985.4	5829.3	10116.8	16284.2	18047.0	18367.1
32.5°	2966.5	2790.7	2723.1	2777.2	3615.7	5387.5	10369.3	17059.7	19219.2	19079.4
35°	2786.2	2628.4	2583.3	2637.4	3354.2	5139.5	10202.5	17735.9	20098.3	20332.8
37.5°	2718.5	2578.8	2488.6	2443.5	3110.8	4932.2	10116.8	18777.4	20950.4	21514.0
40°	2655.4	2506.7	2398.5	2353.4	2921.4	4657.2	10089.7	19579.9	21933.2	22271.4
42.5°	2583.3	2488.6	2366.9	2285.7	2691.5	4382.1	9778.7	19827.8	22235.3	22600.5
44°	2560.8	2416.5	2290.3	2263.2	2601.3	4242.4	9715.5	20053.3	22496.8	23051.3
45°	2538.2	2403.0	2258.7	2222.6	2569.8	4165.7	9629.9	20107.4	22929.6	23033.3
47.5°	2475.1	2389.4	2249.7	2150.5	2502.1	3998.9	9372.9	19800.8	22487.8	22505.8
50°	2425.5	2326.3	2182.1	1988.2	2412.0	3859.2	9490.1	19688.1	21423.8	21464.4
52.5°	2371.4	2222.6	2141.5	1807.9	2263.2	3742.0	9738.1	20197.5	21545.5	21536.5
55°	2308.3	2146.0	1947.6	1654.6	2015.2	3593.2	10337.7	21202.9	22672.6	22825.9
57.5°	2209.1	2069.3	1785.3	1519.3	1731.2	3309.1	10143.8	19277.8	20860.2	20887.3
60°	2078.4	1947.6	1618.5	1415.6	1420.1	2610.3	9070.8	15021.9	16460.1	16852.3
62.5°	1952.1	1880.0	1478.7	1266.9	1208.2	2078.4	7668.7	12483.7	14129.2	14453.8
65°	1803.3	1627.5	1357.0	1154.1	1036.9	1456.2	5432.6	9327.8	11023.0	11460.3
67.5°	1614.0	1424.6	1194.7	1014.4	888.1	973.8	2804.2	5301.8	7019.5	7276.5
70°	1411.1	1235.3	1005.4	856.6	716.8	671.7	1235.3	2529.2	3836.6	4102.6
72.5°	1158.7	996.4	802.5	676.3	536.5	464.4	414.8	676.3	1361.5	1582.4
75°	838.6	725.8	604.1	482.4	378.7	297.6	243.5	202.9	225.4	243.5
77.5°	617.6	527.5	446.3	342.6	266.0	211.9	166.8	126.2	121.7	117.2
80°	482.4	428.3	356.2	275.0	207.4	157.8	117.2	85.7	76.6	76.6
82.5°	378.7	351.7	293.0	225.4	171.3	126.2	85.7	58.6	49.6	49.6
85°	144.3	144.3	211.9	184.8	130.7	90.2	58.6	31.6	27.1	27.1
87.5°	36.1	36.1	36.1	36.1	31.6	27.1	27.1	13.5	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)