

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: P531226

Luminaire Tested: **GALN-SA6C-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531226
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-SA6C-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 28276 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

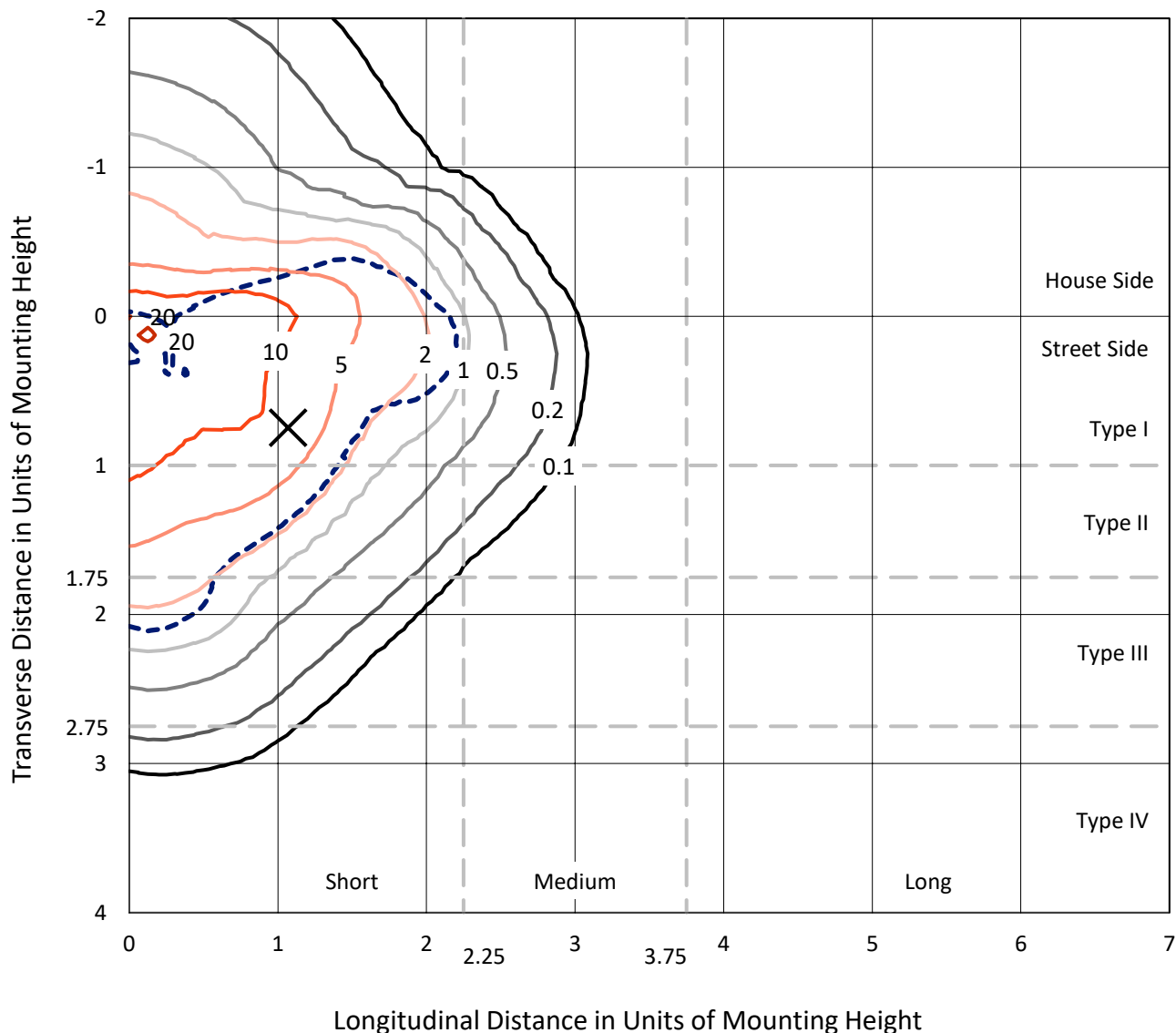
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

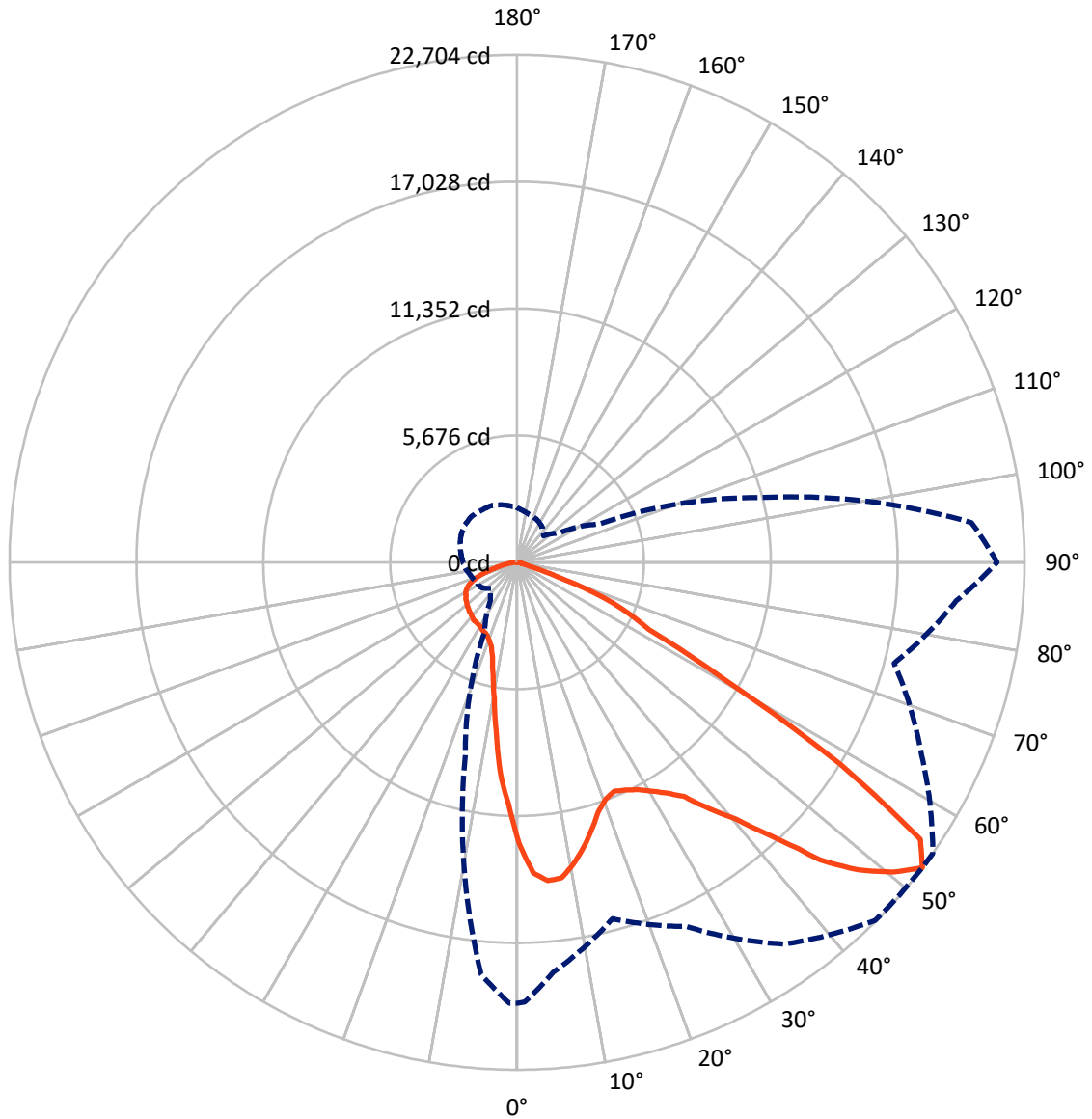
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.5 fc
 Type II - Short - N/A

REPORT NUMBER: P531226
CATALOG NUMBER: GALN-SA6C-730-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	8625.7	0.0	8625.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	19650.3	0.0	19650.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	28276.0	0.0	28276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	963.6	3.4
10°-20°	2077.7	7.3
20°-30°	3150.5	11.1
30°-40°	4552.0	16.1
40°-50°	6082.7	21.5
50°-60°	6789.6	24.0
60°-70°	3724.4	13.2
70°-80°	805.2	2.8
80°-90°	130.3	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°	28276.0	100.0
0°-180°	28276.0	100.0

Coefficient of Utilization

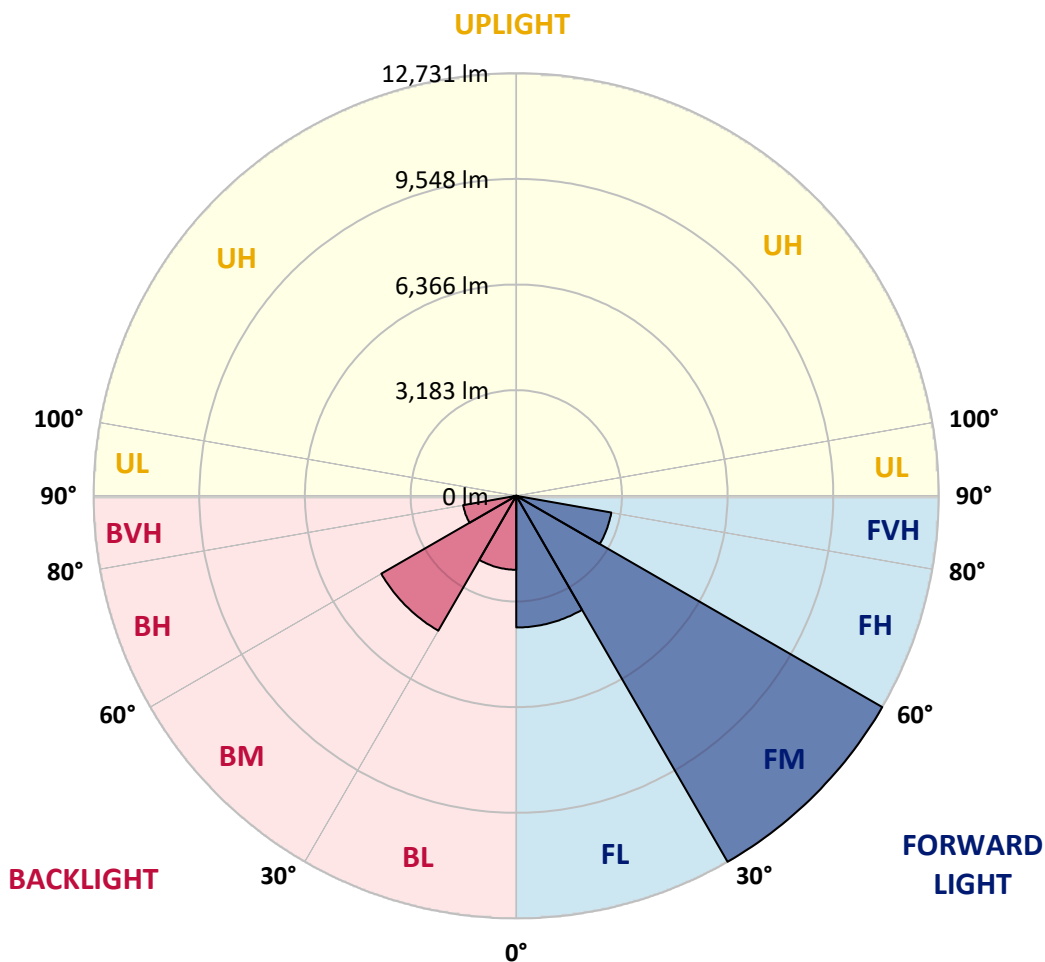


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3964.8	14.0			
FM (30°-60°)	12731.2	45.0			
FH (60°-80°)	2906.1	10.3			G2/5000
FVH (80°-90°)	48.2	0.2			G1/100
BL (0°-30°)	2227.0	7.9	B3/2500		
BM (30°-60°)	4693.1	16.6	B3/5000		
BH (60°-80°)	1623.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	82.0	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°	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3
2.5°	13236.7	13162.4	13228.5	13542.2	13723.9	13847.8	13926.2	13913.8	13616.6	13327.6	13327.6
5°	12848.6	12753.7	12889.9	13600.1	14314.3	14376.3	14479.5	14310.2	13872.5	13344.1	12683.5
7.5°	11725.6	11795.8	12022.9	12956.0	13884.9	14351.5	14475.3	14260.6	13550.5	12563.7	11593.5
10°	10755.4	10920.5	11444.9	12452.3	13306.9	13913.8	14050.1	13748.7	13187.2	11977.5	11110.4
12.5°	10420.9	10317.7	10899.9	11907.3	12724.8	13050.9	13112.9	13133.5	12753.7	11680.2	10623.2
15°	10379.6	10445.7	10899.9	11663.7	12167.4	12183.9	12287.1	12448.1	12497.7	11882.5	10850.3
17.5°	10974.2	10895.7	11362.3	11969.2	11729.7	11490.3	11515.0	11746.2	12155.0	12055.9	11564.6
20°	11853.6	12031.1	12398.6	12336.7	11692.6	11085.7	11089.8	11308.6	12113.7	12774.3	12559.6
22.5°	13315.2	13488.6	13761.1	13013.8	11692.6	10965.9	10825.5	11122.8	12377.9	13629.0	13682.6
25°	14648.7	14966.7	15041.0	14161.6	12278.9	11077.4	10986.6	11279.7	12642.2	14463.0	14970.8
27.5°	15862.6	15978.2	16304.4	14900.6	12605.0	11151.7	11143.5	11519.2	12976.6	14880.0	16122.7
30°	16820.5	16808.1	16993.9	15367.1	13125.2	11568.7	11168.2	11878.4	13414.3	15569.5	17187.9
32.5°	17472.8	17613.2	18005.4	16015.4	13344.1	11965.1	11651.3	12299.5	13946.9	15895.6	17939.4
35°	18620.6	18864.2	18368.7	16374.6	14037.7	12357.3	11989.8	12873.4	14211.1	16250.7	18860.1
37.5°	19702.3	19516.5	19012.8	16568.6	14487.7	13084.0	12741.3	13984.0	15032.7	17022.8	19471.1
40°	20395.9	20391.8	19495.9	16725.5	14805.6	14194.6	14173.9	15111.2	16040.1	17510.0	20156.5
42.5°	20697.3	20986.4	19694.1	16709.0	15474.5	15540.6	15957.6	16795.7	16754.4	17609.1	20140.0
44°	21110.2	21283.6	20036.7	16746.1	15920.4	16448.9	17431.5	17964.1	17377.8	17555.4	20119.3
45°	21093.7	21106.1	19549.6	16795.7	16300.2	17208.6	18088.0	18988.0	17927.0	17439.8	20391.8
47.5°	20610.6	20470.3	19136.7	16428.2	17485.2	19215.1	20028.5	20573.5	18604.1	17192.0	20053.3
50°	19656.9	19495.9	18133.4	16271.3	17732.9	20462.0	21585.0	21783.2	19219.3	16948.5	19718.8
52.5°	19723.0	19677.5	18418.3	16506.7	17980.6	20854.2	22654.4	22703.9	19917.0	17460.4	19723.0
55°	20903.8	20746.9	19235.8	16799.8	17799.0	20395.9	21973.1	21886.4	19681.7	17150.8	20086.3
57.5°	19128.4	19231.6	18104.5	15639.6	15577.7	16581.0	17274.6	17059.9	16424.1	15478.6	18686.7
60°	15433.2	15726.3	15833.7	13079.8	11754.5	11238.4	11032.0	10652.1	10759.5	12716.5	16415.8
62.5°	13236.7	13220.2	13893.2	11857.7	7700.1	6622.5	6523.4	6610.1	7848.7	12518.3	16077.3
65°	10495.2	10776.0	10982.4	10049.3	6094.0	4917.3	4913.2	5462.3	6791.8	10462.2	12980.7
67.5°	6663.8	7031.2	7287.2	6428.4	4075.1	3501.2	3406.2	4066.8	4706.8	6862.0	7815.7
70°	3757.1	3930.6	4046.2	3707.6	2592.8	1816.6	1709.3	1866.2	2844.7	4442.5	4632.4
72.5°	1449.2	1527.6	1684.5	1696.9	978.5	586.3	474.8	569.8	1197.3	1758.8	1676.3
75°	223.0	239.5	338.6	404.6	280.8	214.7	227.1	235.3	334.4	454.2	379.8
77.5°	107.3	107.3	103.2	119.7	140.4	152.8	165.1	181.7	198.2	218.8	210.6
80°	70.2	70.2	70.2	82.6	103.2	123.9	140.4	148.6	156.9	173.4	165.1
82.5°	45.4	45.4	45.4	61.9	82.6	103.2	111.5	132.1	148.6	173.4	161.0
85°	24.8	24.8	24.8	41.3	61.9	86.7	82.6	66.1	37.2	4.1	8.3
87.5°	8.3	8.3	8.3	8.3	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: P531226

CATALOG NUMBER: GALN-SA6C-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3
2.5°	12980.7	12790.8	12774.3	12386.2	12039.4	11870.1	11733.9	11354.0	11436.6	11217.8	11213.6
5°	12353.2	11965.1	11337.5	10821.4	10305.3	10202.1	9752.1	9359.8	9372.2	9091.5	9141.0
7.5°	11226.0	10957.7	10193.8	9384.6	8699.2	8212.1	7786.8	7530.8	7204.6	7093.2	7035.4
10°	10511.8	10181.5	9322.7	8307.0	7539.1	7279.0	6870.2	6643.1	6308.7	6143.6	6028.0
12.5°	10198.0	9714.9	8641.4	7609.3	7097.3	6828.9	6482.1	6069.2	5672.9	5520.1	5309.6
15°	10231.0	9653.0	8443.3	7328.5	6713.3	6193.1	5883.4	5425.2	5020.5	4752.2	4599.4
17.5°	10730.6	10028.7	8534.1	7113.8	6230.3	5577.9	4971.0	4475.5	4153.5	3951.2	3901.7
20°	11911.4	10957.7	8686.9	6767.0	5747.2	4933.8	4186.5	3670.4	3422.7	3418.6	3422.7
22.5°	12894.0	11948.6	8996.5	6560.6	5264.1	4108.1	3364.9	3199.8	3150.2	3253.4	3265.8
25°	14219.4	13063.3	9529.1	6453.2	4818.2	3501.2	3042.9	2980.9	2976.8	3108.9	3113.1
27.5°	15577.7	14037.7	9847.0	6139.4	4364.1	3187.4	2848.8	2836.4	2902.5	3042.9	3030.5
30°	16502.6	14855.2	10420.9	5763.7	3827.3	2910.8	2770.4	2786.9	2877.7	2985.1	3001.6
32.5°	17580.2	15660.3	10569.6	5557.3	3497.0	2679.5	2580.5	2617.6	2733.2	2902.5	2993.3
35°	18814.6	16230.1	10796.6	5276.5	3373.2	2502.0	2452.5	2493.8	2634.1	2745.6	2844.7
37.5°	19727.1	17237.5	10837.9	5057.7	3236.9	2402.9	2324.5	2460.7	2543.3	2700.2	2749.7
40°	20404.2	17968.3	10945.3	4921.5	3129.6	2274.9	2274.9	2365.8	2477.2	2621.7	2720.8
42.5°	20837.7	18500.9	11023.7	4797.6	2923.1	2237.8	2217.1	2308.0	2456.6	2597.0	2642.4
44°	21102.0	18727.9	10945.3	4682.0	2865.3	2192.4	2192.4	2270.8	2386.4	2551.6	2605.2
45°	21168.0	19012.8	10771.9	4677.9	2795.2	2138.7	2130.4	2279.1	2357.5	2559.8	2592.8
47.5°	21424.0	19363.8	10792.5	4545.7	2625.9	2010.7	2155.2	2221.3	2291.4	2469.0	2580.5
50°	21415.7	19582.6	10747.1	4351.7	2502.0	1866.2	2105.7	2180.0	2250.2	2431.8	2477.2
52.5°	21473.5	20400.1	11164.1	4042.0	2279.1	1680.4	1940.5	2105.7	2192.4	2345.1	2440.1
55°	21444.6	20866.6	11577.0	3810.8	1965.3	1568.9	1800.1	1994.2	2118.0	2279.1	2324.5
57.5°	19586.7	18443.1	10714.1	3377.3	1626.7	1436.8	1601.9	1878.6	2035.5	2200.6	2258.4
60°	16003.0	14215.2	8835.5	2485.5	1337.7	1321.2	1490.5	1841.4	1907.5	2052.0	2151.1
62.5°	14789.1	12468.8	7006.5	1899.2	1143.7	1209.7	1374.9	1663.9	1767.1	1944.6	2035.5
65°	11572.8	8282.2	4339.3	1284.0	1007.4	1085.9	1242.7	1457.4	1626.7	1791.9	1899.2
67.5°	6853.7	4525.1	2146.9	900.1	879.4	962.0	1123.0	1284.0	1478.1	1659.8	1713.4
70°	3732.4	2225.4	916.6	685.4	747.3	821.6	978.5	1090.0	1275.8	1416.2	1507.0
72.5°	1197.3	677.1	458.3	507.8	569.8	656.5	751.4	887.7	1019.8	1102.4	1176.7
75°	289.0	284.9	326.2	355.1	412.9	478.9	557.4	627.6	730.8	809.2	875.3
77.5°	202.3	218.8	251.9	293.1	313.8	338.6	388.1	441.8	487.2	545.0	586.3
80°	156.9	169.3	194.1	214.7	235.3	256.0	280.8	301.4	330.3	367.5	388.1
82.5°	148.6	156.9	181.7	194.1	185.8	181.7	198.2	206.4	210.6	223.0	235.3
85°	12.4	0.0	8.3	28.9	70.2	103.2	111.5	111.5	107.3	115.6	115.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	16.5	12.4
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°	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3
2.5°	11164.1	11023.7	11077.4	11143.5	11048.5	10829.7	10887.5	10862.7	11085.7	11069.1	11292.1
5°	9359.8	9141.0	9165.8	9487.8	9384.6	9496.1	9273.1	9244.2	9285.5	9306.2	9343.3
7.5°	7163.4	7134.5	7382.2	7654.7	7782.7	7650.5	7431.7	7382.2	7336.8	7245.9	7452.4
10°	5846.3	5854.5	5838.0	6044.5	6189.0	6160.1	6028.0	6011.4	5924.7	5891.7	6007.3
12.5°	5218.7	5107.2	5053.6	4987.5	5099.0	5173.3	5115.5	5074.2	5078.3	5119.6	5136.1
15°	4611.8	4541.6	4426.0	4351.7	4405.4	4368.2	4347.6	4430.1	4409.5	4401.2	4500.3
17.5°	3930.6	3988.4	3980.1	3897.5	3967.7	3938.8	3934.7	3876.9	3798.4	3740.6	3773.7
20°	3480.5	3587.9	3670.4	3674.6	3711.7	3707.6	3645.7	3468.1	3410.3	3397.9	3406.2
22.5°	3319.5	3377.3	3476.4	3616.8	3616.8	3550.7	3476.4	3270.0	3216.3	3158.5	3133.7
25°	3191.5	3303.0	3431.0	3447.5	3513.6	3451.6	3331.9	3228.7	3117.2	3038.7	3038.7
27.5°	3125.5	3249.3	3344.3	3373.2	3464.0	3414.5	3290.6	3158.5	3026.4	3022.2	2952.0
30°	3096.6	3212.2	3274.1	3344.3	3385.6	3307.1	3270.0	3129.6	2997.5	2964.4	2848.8
32.5°	3009.8	3175.0	3290.6	3274.1	3307.1	3274.1	3220.4	3104.8	2956.2	2881.9	2869.5
35°	2910.8	3075.9	3199.8	3286.5	3307.1	3236.9	3203.9	3047.0	2844.7	2807.5	2679.5
37.5°	2857.1	2956.2	3108.9	3249.3	3278.2	3241.1	3129.6	2968.6	2766.3	2725.0	2613.5
40°	2791.0	2919.0	3038.7	3154.4	3241.1	3150.2	3022.2	2865.3	2774.5	2650.6	2617.6
42.5°	2741.5	2886.0	2985.1	3113.1	3212.2	3092.4	2943.8	2836.4	2708.4	2625.9	2530.9
44°	2725.0	2857.1	2923.1	3080.0	3162.6	3071.8	2947.9	2836.4	2687.8	2613.5	2530.9
45°	2667.2	2848.8	2919.0	3059.4	3129.6	3055.3	2898.4	2786.9	2679.5	2588.7	2502.0
47.5°	2609.4	2733.2	2853.0	2964.4	3014.0	2989.2	2857.1	2720.8	2592.8	2539.2	2456.6
50°	2592.8	2716.7	2828.2	2931.4	2989.2	2939.7	2819.9	2687.8	2539.2	2452.5	2382.3
52.5°	2510.3	2663.0	2786.9	2819.9	2894.2	2865.3	2774.5	2630.0	2489.6	2415.3	2357.5
55°	2390.5	2551.6	2720.8	2762.1	2869.5	2824.1	2687.8	2551.6	2431.8	2320.3	2246.0
57.5°	2345.1	2502.0	2667.2	2720.8	2786.9	2712.6	2679.5	2535.0	2345.1	2287.3	2171.7
60°	2229.5	2427.7	2563.9	2687.8	2691.9	2671.3	2613.5	2448.3	2291.4	2184.1	2101.5
62.5°	2138.7	2324.5	2431.8	2547.4	2617.6	2559.8	2502.0	2349.2	2180.0	2060.2	1965.3
65°	2006.6	2175.8	2266.7	2336.9	2415.3	2407.1	2308.0	2196.5	2019.0	1924.0	1833.2
67.5°	1804.3	1952.9	2076.8	2142.8	2192.4	2180.0	2105.7	2027.2	1845.5	1750.6	1684.5
70°	1560.7	1713.4	1791.9	1829.0	1878.6	1903.3	1845.5	1808.4	1647.4	1523.5	1461.6
72.5°	1255.1	1354.2	1469.8	1502.9	1523.5	1540.0	1540.0	1507.0	1341.8	1292.3	1184.9
75°	924.8	1003.3	1090.0	1090.0	1127.1	1131.3	1139.5	1118.9	995.0	929.0	904.2
77.5°	627.6	685.4	755.6	784.5	809.2	805.1	801.0	743.2	677.1	648.2	623.4
80°	408.7	466.5	499.6	536.7	561.5	557.4	565.6	524.3	495.4	445.9	454.2
82.5°	243.6	289.0	322.0	367.5	367.5	379.8	379.8	367.5	338.6	313.8	313.8
85°	115.6	152.8	173.4	202.3	218.8	223.0	198.2	169.3	140.4	128.0	140.4
87.5°	20.6	28.9	41.3	37.2	45.4	41.3	41.3	41.3	41.3	33.0	37.2
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: P531226

CATALOG NUMBER: GALN-SA6C-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3	12613.3
2.5°	11209.5	11416.0	11560.5	11799.9	12212.8	12543.1	12881.7	13133.5	13162.4	13236.7
5°	9479.6	9591.0	9958.5	10437.4	10776.0	11333.4	11692.6	12344.9	12588.5	12848.6
7.5°	7402.8	7584.5	8075.8	8397.8	9141.0	9838.8	10561.3	11366.4	11688.4	11725.6
10°	6242.6	6506.9	6841.3	7357.4	7762.0	8538.2	9438.3	10334.2	10693.4	10755.4
12.5°	5483.0	5821.5	6267.4	6639.0	7027.1	7704.2	8567.1	9673.6	10140.2	10420.9
15°	4752.2	5103.1	5594.4	6110.5	6453.2	7262.4	8278.1	9525.0	10131.9	10379.6
17.5°	4000.7	4326.9	4731.5	5288.9	5978.4	6886.7	8232.7	10020.4	10685.2	10974.2
20°	3356.7	3538.3	4009.0	4582.9	5445.8	6502.8	8249.2	10751.2	11725.6	11853.6
22.5°	3104.8	3146.1	3331.9	3860.4	4805.8	6110.5	8542.4	11787.5	12894.0	13315.2
25°	2910.8	2902.5	2952.0	3307.1	4339.3	5957.8	8831.4	12741.3	14190.5	14648.7
27.5°	2803.4	2720.8	2725.0	3059.4	4009.0	5710.0	9202.9	13835.4	15660.3	15862.6
30°	2749.7	2733.2	2683.7	2819.9	3649.8	5338.5	9264.9	14913.0	16527.3	16820.5
32.5°	2716.7	2555.7	2493.8	2543.3	3311.2	4933.8	9496.1	15623.1	17600.8	17472.8
35°	2551.6	2407.1	2365.8	2415.3	3071.8	4706.8	9343.3	16242.4	18405.9	18620.6
37.5°	2489.6	2361.6	2279.1	2237.8	2848.8	4516.8	9264.9	17196.2	19186.2	19702.3
40°	2431.8	2295.6	2196.5	2155.2	2675.4	4265.0	9240.1	17931.1	20086.3	20395.9
42.5°	2365.8	2279.1	2167.6	2093.3	2464.9	4013.1	8955.2	18158.2	20362.9	20697.3
44°	2345.1	2213.0	2097.4	2072.6	2382.3	3885.1	8897.4	18364.6	20602.4	21110.2
45°	2324.5	2200.6	2068.5	2035.5	2353.4	3815.0	8819.0	18414.2	20998.7	21093.7
47.5°	2266.7	2188.2	2060.2	1969.4	2291.4	3662.2	8583.6	18133.4	20594.1	20610.6
50°	2221.3	2130.4	1998.3	1820.8	2208.9	3534.2	8691.0	18030.2	19619.7	19656.9
52.5°	2171.7	2035.5	1961.1	1655.6	2072.6	3426.8	8918.1	18496.7	19731.2	19723.0
55°	2113.9	1965.3	1783.6	1515.2	1845.5	3290.6	9467.2	19417.4	20763.4	20903.8
57.5°	2023.1	1895.1	1635.0	1391.4	1585.4	3030.5	9289.7	17654.5	19103.7	19128.4
60°	1903.3	1783.6	1482.2	1296.4	1300.6	2390.5	8307.0	13756.9	15074.0	15433.2
62.5°	1787.7	1721.7	1354.2	1160.2	1106.5	1903.3	7023.0	11432.5	12939.5	13236.7
65°	1651.5	1490.5	1242.7	1057.0	949.6	1333.6	4975.1	8542.4	10094.8	10495.2
67.5°	1478.1	1304.7	1094.1	929.0	813.4	891.8	2568.1	4855.4	6428.4	6663.8
70°	1292.3	1131.3	920.7	784.5	656.5	615.2	1131.3	2316.2	3513.6	3757.1
72.5°	1061.1	912.5	734.9	619.3	491.3	425.3	379.8	619.3	1246.9	1449.2
75°	767.9	664.7	553.3	441.8	346.8	272.5	223.0	185.8	206.4	223.0
77.5°	565.6	483.1	408.7	313.8	243.6	194.1	152.8	115.6	111.5	107.3
80°	441.8	392.2	326.2	251.9	189.9	144.5	107.3	78.4	70.2	70.2
82.5°	346.8	322.0	268.4	206.4	156.9	115.6	78.4	53.7	45.4	45.4
85°	132.1	132.1	194.1	169.3	119.7	82.6	53.7	28.9	24.8	24.8
87.5°	33.0	33.0	33.0	33.0	28.9	24.8	24.8	12.4	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)