

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: P530342

Luminaire Tested: **GALN-SA5C-740-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530342
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-SA5C-740-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 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: 26221 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

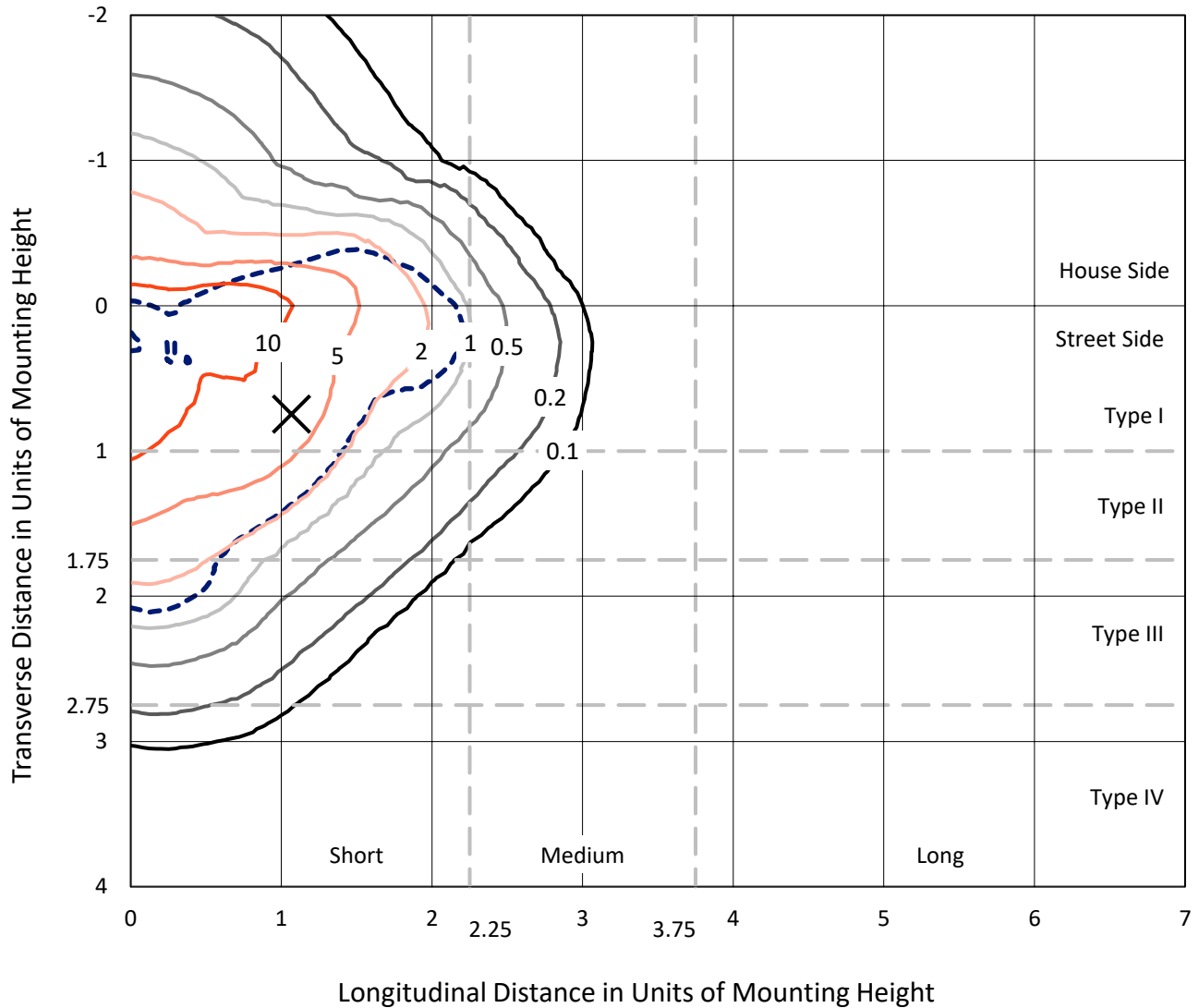
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

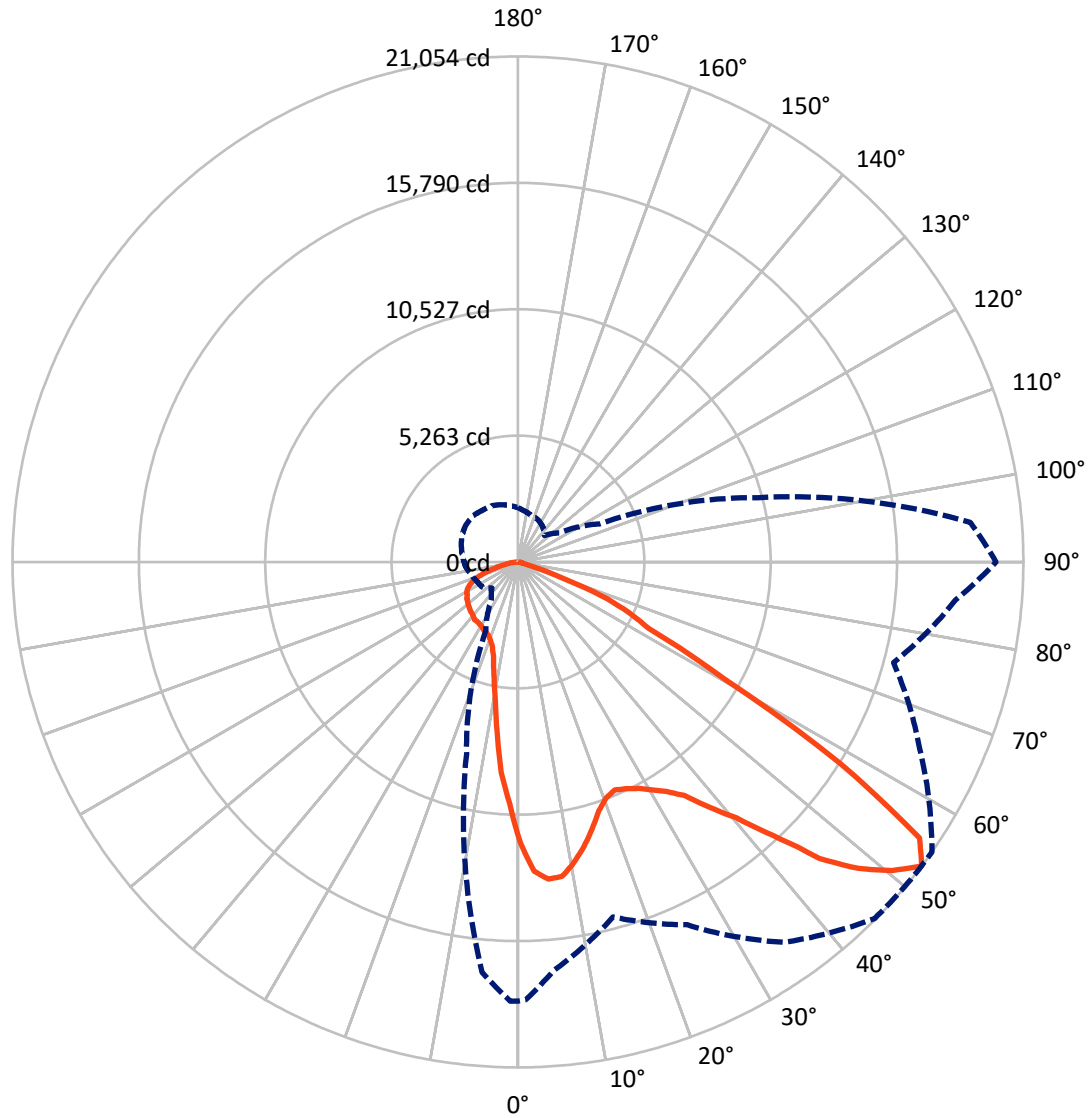
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 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	7998.8	0.0	7998.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18222.2	0.0	18222.2
	% Fixture	69.5	0.0	69.5
Total	Lumens	26221.0	0.0	26221.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	893.6	3.4
10°-20°	1926.7	7.3
20°-30°	2921.5	11.1
30°-40°	4221.2	16.1
40°-50°	5640.6	21.5
50°-60°	6296.2	24.0
60°-70°	3453.7	13.2
70°-80°	746.7	2.8
80°-90°	120.8	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°	26221.0	100.0
0°-180°	26221.0	100.0

Coefficient of Utilization



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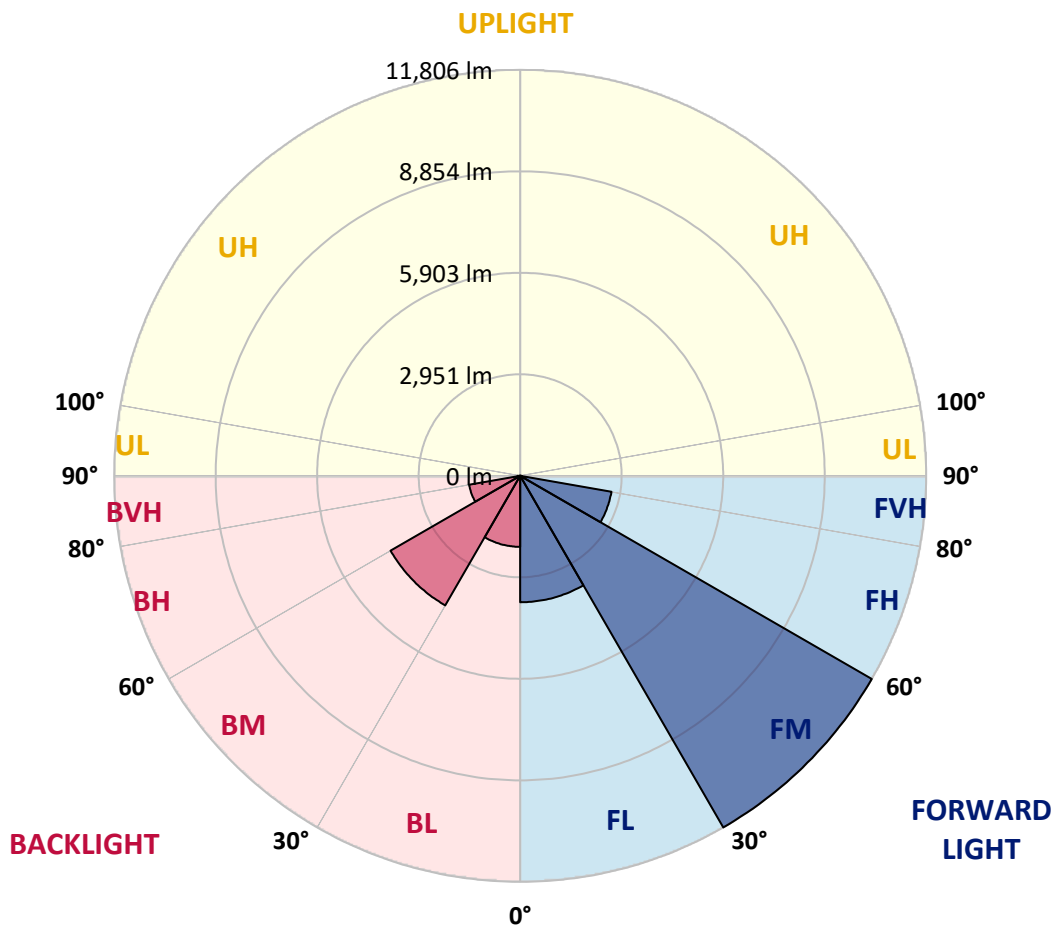
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3676.7	14.0			
FM (30°-60°)	11805.9	45.0			
FH (60°-80°)	2694.9	10.3			G2/5000
FVH (80°-90°)	44.7	0.2			G1/100
BL (0°-30°)	2065.2	7.9	B3/2500		
BM (30°-60°)	4352.0	16.6	B3/5000		
BH (60°-80°)	1505.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	76.1	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°	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6
2.5°	12274.7	12205.8	12267.1	12558.0	12726.5	12841.4	12914.1	12902.6	12627.0	12359.0	12359.0
5°	11914.8	11826.8	11953.1	12611.6	13274.0	13331.4	13427.2	13270.2	12864.3	12374.3	11761.7
7.5°	10873.4	10938.5	11149.1	12014.4	12875.8	13308.5	13423.3	13224.2	12565.7	11650.7	10750.9
10°	9973.7	10126.8	10613.1	11547.3	12339.8	12902.6	13029.0	12749.5	12228.8	11107.0	10303.0
12.5°	9663.6	9567.9	10107.7	11041.9	11800.0	12102.4	12159.9	12179.0	11826.8	10831.3	9851.2
15°	9625.3	9686.5	10107.7	10816.0	11283.1	11298.4	11394.1	11543.4	11589.4	11018.9	10061.8
17.5°	10176.6	10103.9	10536.5	11099.3	10877.3	10655.2	10678.2	10892.6	11271.6	11179.7	10724.1
20°	10992.1	11156.8	11497.5	11440.1	10842.8	10280.0	10283.8	10486.7	11233.3	11845.9	11646.8
22.5°	12347.5	12508.3	12761.0	12068.0	10842.8	10169.0	10038.8	10314.4	11478.4	12638.4	12688.2
25°	13584.1	13878.9	13947.9	13132.3	11386.5	10272.3	10188.1	10459.9	11723.4	13411.8	13882.8
27.5°	14709.8	14817.0	15119.4	13817.7	11688.9	10341.2	10333.6	10682.0	12033.5	13798.5	14951.0
30°	15598.0	15586.5	15758.8	14250.3	12171.3	10727.9	10356.6	11015.1	12439.4	14437.9	15938.8
32.5°	16202.9	16333.1	16696.8	14851.4	12374.3	11095.5	10804.5	11405.6	12933.3	14740.4	16635.6
35°	17267.3	17493.2	17033.8	15184.5	13017.5	11459.2	11118.5	11937.8	13178.3	15069.7	17489.4
37.5°	18270.4	18098.1	17631.0	15364.5	13434.8	12133.1	11815.3	12967.7	13940.2	15785.6	18056.0
40°	18913.6	18909.8	18079.0	15510.0	13729.6	13163.0	13143.8	14012.9	14874.4	16237.4	18691.6
42.5°	19193.1	19461.1	18262.8	15494.6	14349.9	14411.1	14797.8	15575.0	15536.8	16329.3	18676.3
44°	19576.0	19736.8	18580.5	15529.1	14763.4	15253.4	16164.7	16658.6	16114.9	16279.5	18657.1
45°	19560.7	19572.2	18128.8	15575.0	15115.6	15957.9	16773.4	17608.1	16624.1	16172.3	18909.8
47.5°	19112.7	18982.6	17745.9	15234.3	16214.4	17818.6	18572.9	19078.3	17252.0	15942.6	18595.9
50°	18228.3	18079.0	16815.5	15088.8	16444.1	18974.9	20016.3	20200.1	17822.5	15716.7	18285.7
52.5°	18289.6	18247.5	17079.7	15307.0	16673.9	19338.6	21007.9	21053.9	18469.5	16191.5	18289.6
55°	19384.6	19239.1	17837.8	15578.9	16505.4	18913.6	20376.2	20295.8	18251.3	15904.3	18626.5
57.5°	17738.2	17834.0	16788.7	14503.0	14445.6	15375.9	16019.2	15820.1	15230.5	14353.7	17328.6
60°	14311.6	14583.4	14683.0	12129.2	10900.2	10421.6	10230.2	9878.0	9977.5	11792.3	15222.8
62.5°	12274.7	12259.4	12883.5	10995.9	7140.5	6141.2	6049.3	6129.7	7278.3	11608.5	14908.9
65°	9732.5	9992.8	10184.3	9319.0	5651.1	4559.9	4556.1	5065.3	6298.2	9701.9	12037.3
67.5°	6179.5	6520.2	6757.6	5961.2	3778.9	3246.7	3158.7	3771.2	4364.7	6363.3	7247.7
70°	3484.1	3644.9	3752.1	3438.1	2404.4	1684.6	1585.1	1730.6	2638.0	4119.7	4295.8
72.5°	1343.9	1416.6	1562.1	1573.6	907.4	543.7	440.3	528.4	1110.3	1631.0	1554.4
75°	206.7	222.1	314.0	375.2	260.3	199.1	210.6	218.2	310.1	421.2	352.2
77.5°	99.5	99.5	95.7	111.0	130.2	141.7	153.1	168.5	183.8	202.9	195.3
80°	65.1	65.1	65.1	76.6	95.7	114.9	130.2	137.8	145.5	160.8	153.1
82.5°	42.1	42.1	42.1	57.4	76.6	95.7	103.4	122.5	137.8	160.8	149.3
85°	23.0	23.0	23.0	38.3	57.4	80.4	76.6	61.3	34.5	3.8	7.7
87.5°	7.7	7.7	7.7	7.7	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°	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6
2.5°	12037.3	11861.2	11845.9	11486.0	11164.4	11007.4	10881.1	10528.8	10605.4	10402.5	10398.7
5°	11455.4	11095.5	10513.5	10035.0	9556.4	9460.6	9043.3	8679.6	8691.1	8430.7	8476.7
7.5°	10410.2	10161.3	9453.0	8702.6	8067.0	7615.2	7220.9	6983.5	6681.0	6577.7	6524.1
10°	9747.8	9441.5	8645.1	7703.3	6991.2	6749.9	6370.9	6160.3	5850.2	5697.1	5589.9
12.5°	9456.8	9008.9	8013.4	7056.2	6581.5	6332.6	6011.0	5628.1	5260.6	5118.9	4923.7
15°	9487.5	8951.4	7829.6	6795.9	6225.4	5743.0	5455.9	5030.9	4655.7	4406.8	4265.1
17.5°	9950.7	9299.8	7913.9	6596.8	5777.5	5172.5	4609.7	4150.3	3851.6	3664.0	3618.1
20°	11045.7	10161.3	8055.5	6275.2	5329.5	4575.3	3882.3	3403.7	3174.0	3170.1	3174.0
22.5°	11956.9	11080.2	8342.7	6083.8	4881.6	3809.5	3120.4	2967.2	2921.3	3017.0	3028.5
25°	13185.9	12113.9	8836.6	5984.2	4468.1	3246.7	2821.7	2764.3	2760.5	2883.0	2886.8
27.5°	14445.6	13017.5	9131.4	5693.2	4046.9	2955.7	2641.8	2630.3	2691.6	2821.7	2810.2
30°	15303.2	13775.6	9663.6	5344.8	3549.2	2699.2	2569.0	2584.4	2668.6	2768.1	2783.4
32.5°	16302.5	14522.2	9801.4	5153.4	3242.9	2484.8	2392.9	2427.4	2534.6	2691.6	2775.8
35°	17447.3	15050.5	10012.0	4893.0	3128.0	2320.2	2274.2	2312.5	2442.7	2546.1	2638.0
37.5°	18293.4	15984.7	10050.3	4690.1	3001.7	2228.3	2155.5	2281.9	2358.5	2504.0	2549.9
40°	18921.3	16662.4	10149.8	4563.8	2902.1	2109.6	2109.6	2193.8	2297.2	2431.2	2523.1
42.5°	19323.3	17156.3	10222.6	4448.9	2710.7	2075.1	2056.0	2140.2	2278.1	2408.2	2450.4
44°	19568.3	17366.9	10149.8	4341.7	2657.1	2033.0	2033.0	2105.8	2213.0	2366.1	2415.9
45°	19629.6	17631.0	9989.0	4337.9	2592.0	1983.3	1975.6	2113.4	2186.2	2373.8	2404.4
47.5°	19867.0	17956.5	10008.1	4215.4	2435.0	1864.6	1998.6	2059.8	2124.9	2289.5	2392.9
50°	19859.3	18159.4	9966.0	4035.4	2320.2	1730.6	1952.6	2021.5	2086.6	2255.1	2297.2
52.5°	19912.9	18917.5	10352.7	3748.3	2113.4	1558.3	1799.5	1952.6	2033.0	2174.7	2262.7
55°	19886.1	19350.1	10735.6	3533.9	1822.4	1454.9	1669.3	1849.2	1964.1	2113.4	2155.5
57.5°	18163.2	17102.7	9935.4	3131.9	1508.5	1332.4	1485.5	1742.0	1887.5	2040.7	2094.3
60°	14839.9	13182.1	8193.4	2304.9	1240.5	1225.2	1382.2	1707.6	1768.8	1902.9	1994.7
62.5°	13714.3	11562.6	6497.3	1761.2	1060.5	1121.8	1274.9	1543.0	1638.7	1803.3	1887.5
65°	10731.8	7680.3	4023.9	1190.7	934.2	1006.9	1152.4	1351.5	1508.5	1661.6	1761.2
67.5°	6355.6	4196.2	1990.9	834.7	815.5	892.1	1041.4	1190.7	1370.7	1539.1	1588.9
70°	3461.1	2063.7	850.0	635.6	693.0	761.9	907.4	1010.8	1183.1	1313.2	1397.5
72.5°	1110.3	627.9	425.0	470.9	528.4	608.8	696.8	823.2	945.7	1022.3	1091.2
75°	268.0	264.2	302.5	329.3	382.9	444.1	516.9	582.0	677.7	750.4	811.7
77.5°	187.6	202.9	233.5	271.8	291.0	314.0	359.9	409.7	451.8	505.4	543.7
80°	145.5	157.0	179.9	199.1	218.2	237.4	260.3	279.5	306.3	340.8	359.9
82.5°	137.8	145.5	168.5	179.9	172.3	168.5	183.8	191.4	195.3	206.7	218.2
85°	11.5	0.0	7.7	26.8	65.1	95.7	103.4	103.4	99.5	107.2	107.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	15.3	11.5
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°	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6
2.5°	10352.7	10222.6	10272.3	10333.6	10245.5	10042.6	10096.2	10073.2	10280.0	10264.7	10471.4
5°	8679.6	8476.7	8499.7	8798.3	8702.6	8805.9	8599.2	8572.4	8610.7	8629.8	8664.3
7.5°	6642.7	6615.9	6845.7	7098.4	7217.0	7094.5	6891.6	6845.7	6803.6	6719.3	6910.8
10°	5421.4	5429.1	5413.7	5605.2	5739.2	5712.4	5589.9	5574.5	5494.1	5463.5	5570.7
12.5°	4839.4	4736.1	4686.3	4625.0	4728.4	4797.3	4743.7	4705.4	4709.3	4747.6	4762.9
15°	4276.6	4211.5	4104.3	4035.4	4085.2	4050.7	4031.6	4108.2	4089.0	4081.4	4173.3
17.5°	3644.9	3698.5	3690.8	3614.3	3679.4	3652.6	3648.7	3595.1	3522.4	3468.8	3499.4
20°	3227.6	3327.1	3403.7	3407.5	3442.0	3438.1	3380.7	3216.1	3162.5	3151.0	3158.7
22.5°	3078.3	3131.9	3223.7	3353.9	3353.9	3292.7	3223.7	3032.3	2982.5	2928.9	2906.0
25°	2959.6	3062.9	3181.6	3196.9	3258.2	3200.8	3089.7	2994.0	2890.6	2817.9	2817.9
27.5°	2898.3	3013.2	3101.2	3128.0	3212.3	3166.3	3051.5	2928.9	2806.4	2802.6	2737.5
30°	2871.5	2978.7	3036.1	3101.2	3139.5	3066.8	3032.3	2902.1	2779.6	2749.0	2641.8
32.5°	2791.1	2944.2	3051.5	3036.1	3066.8	3036.1	2986.4	2879.2	2741.3	2672.4	2660.9
35°	2699.2	2852.4	2967.2	3047.6	3066.8	3001.7	2971.0	2825.6	2638.0	2603.5	2484.8
37.5°	2649.4	2741.3	2883.0	3013.2	3040.0	3005.5	2902.1	2752.8	2565.2	2526.9	2423.5
40°	2588.2	2706.9	2817.9	2925.1	3005.5	2921.3	2802.6	2657.1	2572.9	2458.0	2427.4
42.5°	2542.2	2676.2	2768.1	2886.8	2978.7	2867.7	2729.8	2630.3	2511.6	2435.0	2347.0
44°	2526.9	2649.4	2710.7	2856.2	2932.8	2848.5	2733.7	2630.3	2492.5	2423.5	2347.0
45°	2473.3	2641.8	2706.9	2837.0	2902.1	2833.2	2687.7	2584.4	2484.8	2400.6	2320.2
47.5°	2419.7	2534.6	2645.6	2749.0	2794.9	2772.0	2649.4	2523.1	2404.4	2354.6	2278.1
50°	2404.4	2519.3	2622.6	2718.4	2772.0	2726.0	2615.0	2492.5	2354.6	2274.2	2209.1
52.5°	2327.8	2469.5	2584.4	2615.0	2683.9	2657.1	2572.9	2438.9	2308.7	2239.8	2186.2
55°	2216.8	2366.1	2523.1	2561.4	2660.9	2618.8	2492.5	2366.1	2255.1	2151.7	2082.8
57.5°	2174.7	2320.2	2473.3	2523.1	2584.4	2515.4	2484.8	2350.8	2174.7	2121.1	2013.9
60°	2067.5	2251.3	2377.6	2492.5	2496.3	2477.2	2423.5	2270.4	2124.9	2025.4	1948.8
62.5°	1983.3	2155.5	2255.1	2362.3	2427.4	2373.8	2320.2	2178.5	2021.5	1910.5	1822.4
65°	1860.7	2017.7	2101.9	2167.0	2239.8	2232.1	2140.2	2036.9	1872.2	1784.2	1699.9
67.5°	1673.1	1811.0	1925.8	1987.1	2033.0	2021.5	1952.6	1879.9	1711.4	1623.4	1562.1
70°	1447.2	1588.9	1661.6	1696.1	1742.0	1765.0	1711.4	1677.0	1527.6	1412.8	1355.4
72.5°	1163.9	1255.8	1363.0	1393.6	1412.8	1428.1	1428.1	1397.5	1244.3	1198.4	1098.8
75°	857.6	930.4	1010.8	1010.8	1045.2	1049.1	1056.7	1037.6	922.7	861.5	838.5
77.5°	582.0	635.6	700.6	727.4	750.4	746.6	742.8	689.2	627.9	601.1	578.1
80°	379.0	432.6	463.3	497.7	520.7	516.9	524.5	486.2	459.4	413.5	421.2
82.5°	225.9	268.0	298.6	340.8	340.8	352.2	352.2	340.8	314.0	291.0	291.0
85°	107.2	141.7	160.8	187.6	202.9	206.7	183.8	157.0	130.2	118.7	130.2
87.5°	19.1	26.8	38.3	34.5	42.1	38.3	38.3	38.3	38.3	30.6	34.5
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: P530342

CATALOG NUMBER: GALN-SA5C-740-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6	11696.6
2.5°	10394.8	10586.3	10720.3	10942.3	11325.2	11631.5	11945.5	12179.0	12205.8	12274.7
5°	8790.6	8894.0	9234.8	9678.9	9992.8	10509.7	10842.8	11447.7	11673.6	11914.8
7.5°	6864.8	7033.3	7488.9	7787.5	8476.7	9123.7	9793.7	10540.3	10839.0	10873.4
10°	5789.0	6034.0	6344.1	6822.7	7197.9	7917.7	8752.3	9583.2	9916.3	9973.7
12.5°	5084.5	5398.4	5811.9	6156.5	6516.4	7144.3	7944.5	8970.6	9403.2	9663.6
15°	4406.8	4732.2	5187.9	5666.4	5984.2	6734.6	7676.5	8832.7	9395.6	9625.3
17.5°	3710.0	4012.4	4387.7	4904.5	5543.9	6386.2	7634.4	9292.2	9908.6	10176.6
20°	3112.7	3281.2	3717.6	4249.8	5050.0	6030.2	7649.7	9969.9	10873.4	10992.1
22.5°	2879.2	2917.4	3089.7	3579.8	4456.6	5666.4	7921.5	10930.9	11956.9	12347.5
25°	2699.2	2691.6	2737.5	3066.8	4023.9	5524.8	8189.5	11815.3	13159.1	13584.1
27.5°	2599.7	2523.1	2526.9	2837.0	3717.6	5295.1	8534.1	12829.9	14522.2	14709.8
30°	2549.9	2534.6	2488.6	2615.0	3384.5	4950.5	8591.5	13829.2	15326.2	15598.0
32.5°	2519.3	2369.9	2312.5	2358.5	3070.6	4575.3	8805.9	14487.7	16321.6	16202.9
35°	2366.1	2232.1	2193.8	2239.8	2848.5	4364.7	8664.3	15062.0	17068.2	17267.3
37.5°	2308.7	2190.0	2113.4	2075.1	2641.8	4188.6	8591.5	15946.4	17791.8	18270.4
40°	2255.1	2128.7	2036.9	1998.6	2481.0	3955.0	8568.6	16627.9	18626.5	18913.6
42.5°	2193.8	2113.4	2010.1	1941.1	2285.7	3721.5	8304.4	16838.5	18883.0	19193.1
44°	2174.7	2052.2	1945.0	1922.0	2209.1	3602.8	8250.8	17029.9	19105.1	19576.0
45°	2155.5	2040.7	1918.2	1887.5	2182.3	3537.7	8178.0	17075.9	19472.6	19560.7
47.5°	2101.9	2029.2	1910.5	1826.3	2124.9	3396.0	7959.8	16815.5	19097.4	19112.7
50°	2059.8	1975.6	1853.1	1688.4	2048.3	3277.3	8059.4	16719.8	18193.9	18228.3
52.5°	2013.9	1887.5	1818.6	1535.3	1922.0	3177.8	8269.9	17152.5	18297.2	18289.6
55°	1960.3	1822.4	1654.0	1405.1	1711.4	3051.5	8779.1	18006.2	19254.4	19384.6
57.5°	1876.0	1757.4	1516.2	1290.3	1470.2	2810.2	8614.5	16371.4	17715.3	17738.2
60°	1765.0	1654.0	1374.5	1202.2	1206.0	2216.8	7703.3	12757.1	13978.5	14311.6
62.5°	1657.8	1596.6	1255.8	1075.9	1026.1	1765.0	6512.6	10601.6	11999.1	12274.7
65°	1531.5	1382.2	1152.4	980.1	880.6	1236.7	4613.6	7921.5	9361.1	9732.5
67.5°	1370.7	1209.9	1014.6	861.5	754.2	827.0	2381.4	4502.5	5961.2	6179.5
70°	1198.4	1049.1	853.8	727.4	608.8	570.5	1049.1	2147.9	3258.2	3484.1
72.5°	984.0	846.1	681.5	574.3	455.6	394.4	352.2	574.3	1156.3	1343.9
75°	712.1	616.4	513.0	409.7	321.6	252.7	206.7	172.3	191.4	206.7
77.5°	524.5	448.0	379.0	291.0	225.9	179.9	141.7	107.2	103.4	99.5
80°	409.7	363.7	302.5	233.5	176.1	134.0	99.5	72.7	65.1	65.1
82.5°	321.6	298.6	248.9	191.4	145.5	107.2	72.7	49.8	42.1	42.1
85°	122.5	122.5	179.9	157.0	111.0	76.6	49.8	26.8	23.0	23.0
87.5°	30.6	30.6	30.6	30.6	26.8	23.0	23.0	11.5	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)