

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: P527014

Luminaire Tested: **GALN-SA2A-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527014  
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-SA2A-730-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 6237 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

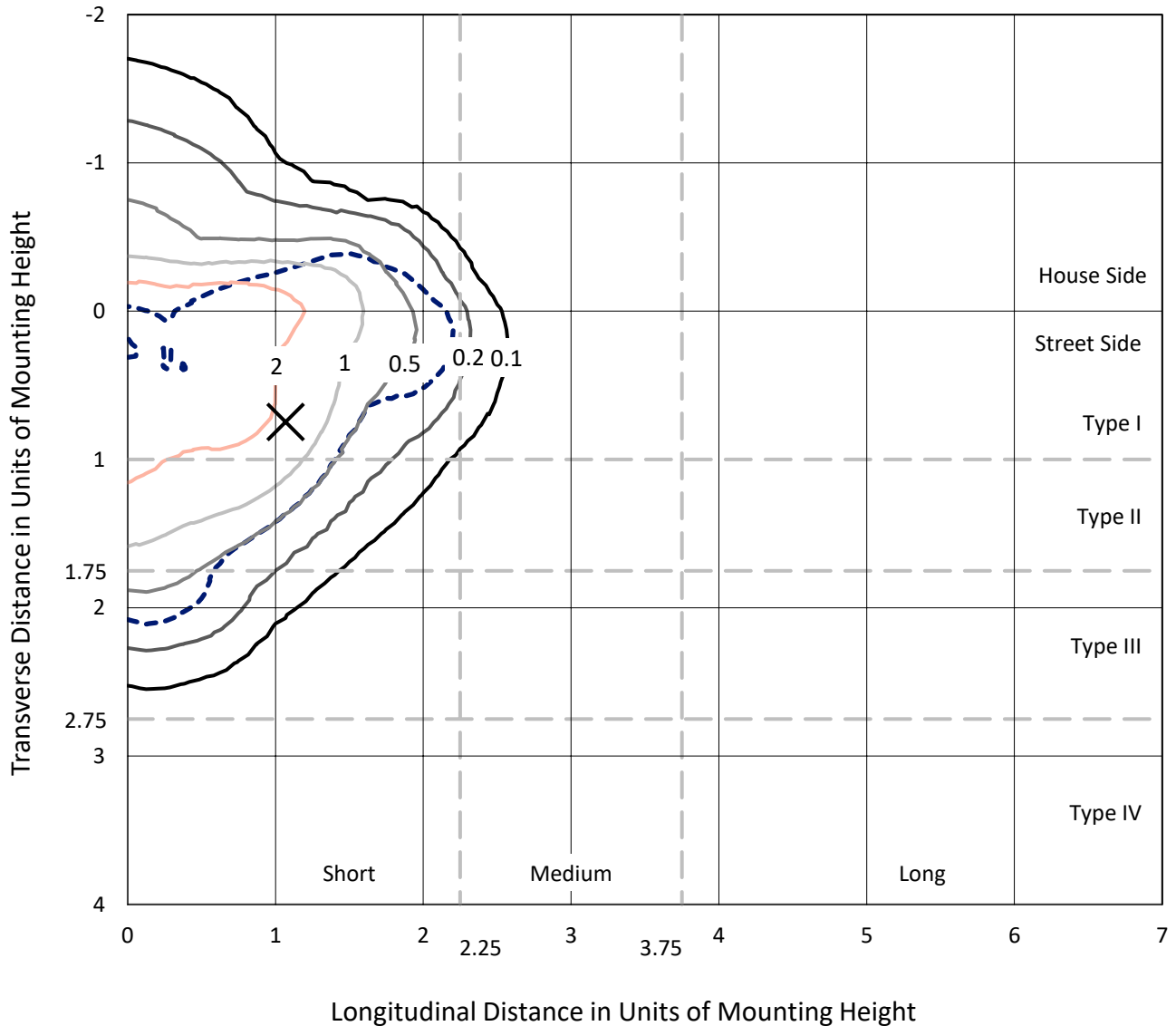
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

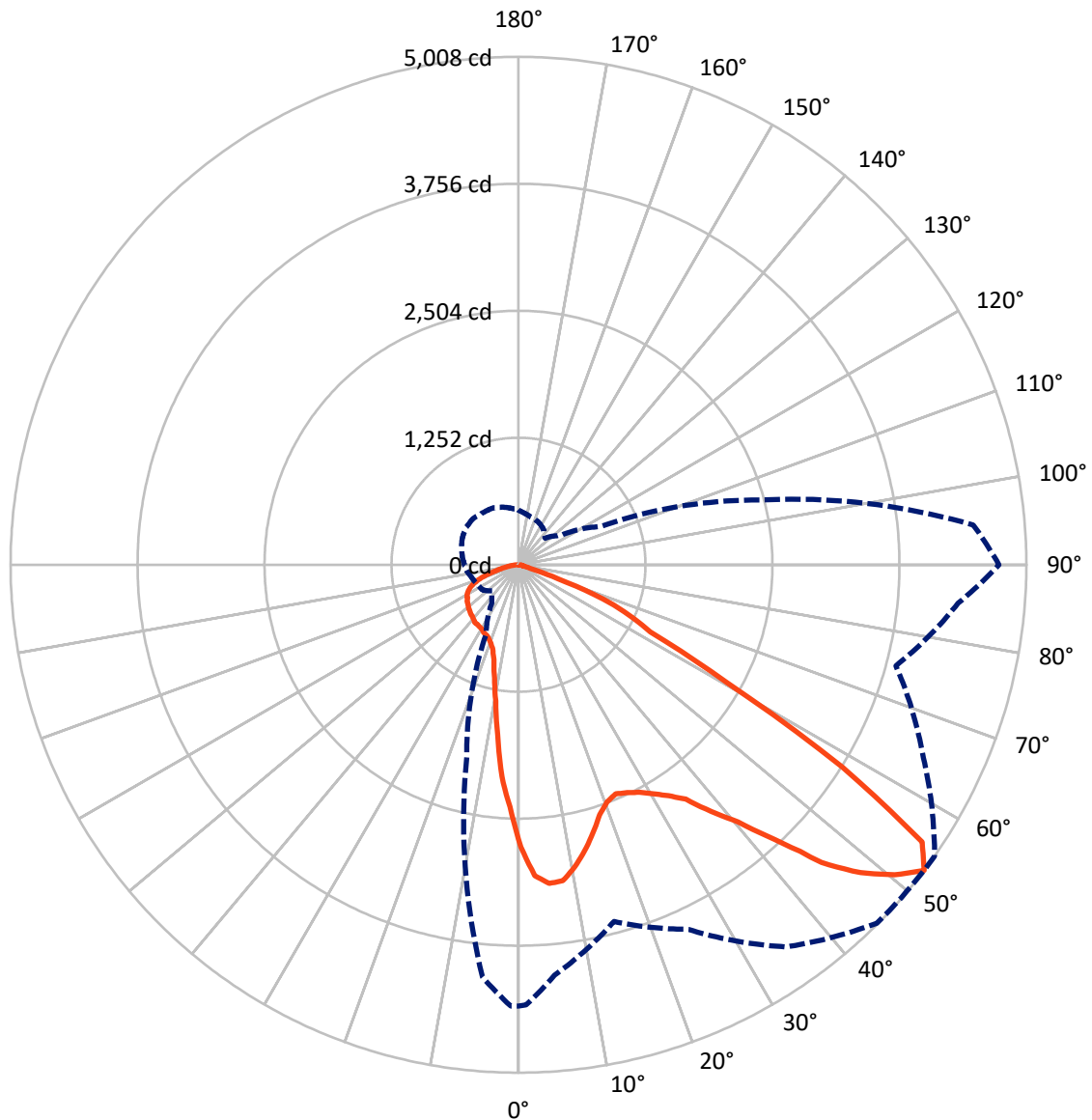
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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
<b>House Side</b>	Lumens	1902.6	0.0	1902.6
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	4334.4	0.0	4334.4
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	6237.0	0.0	6237.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.6	3.4
10°-20°	458.3	7.3
20°-30°	694.9	11.1
30°-40°	1004.1	16.1
40°-50°	1341.7	21.5
50°-60°	1497.6	24.0
60°-70°	821.5	13.2
70°-80°	177.6	2.8
80°-90°	28.7	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°	6237.0	100.0
0°-180°	6237.0	100.0

**Coefficient of Utilization**

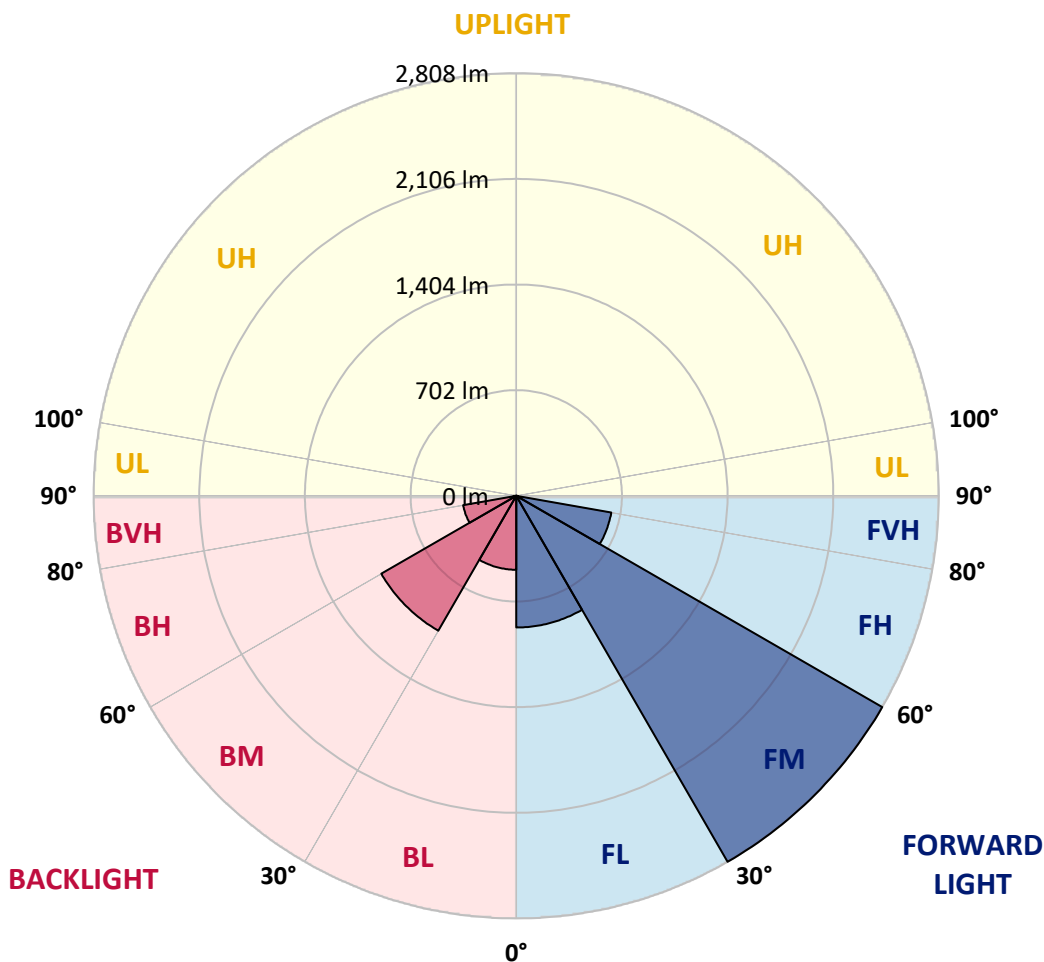


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.5	14.0			
FM (30°-60°)	2808.2	45.0			
FH (60°-80°)	641.0	10.3			G0/660
FVH (80°-90°)	10.6	0.2			G1/100
BL (0°-30°)	491.2	7.9	B1/500		
BM (30°-60°)	1035.2	16.6	B2/2500		
BH (60°-80°)	358.1	5.7	B1/500		G1/500
BVH (80°-90°)	18.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2
2.5°	2919.7	2903.3	2917.9	2987.1	3027.2	3054.5	3071.8	3069.1	3003.5	2939.7	2939.7
5°	2834.1	2813.1	2843.2	2999.8	3157.4	3171.1	3193.8	3156.5	3059.9	2943.4	2797.7
7.5°	2586.4	2601.9	2652.0	2857.8	3062.7	3165.6	3192.9	3145.6	2988.9	2771.3	2557.2
10°	2372.4	2408.8	2524.5	2746.7	2935.2	3069.1	3099.1	3032.6	2908.8	2641.9	2450.7
12.5°	2298.6	2275.8	2404.2	2626.5	2806.8	2878.7	2892.4	2896.9	2813.1	2576.4	2343.2
15°	2289.5	2304.1	2404.2	2572.7	2683.8	2687.5	2710.2	2745.8	2756.7	2621.0	2393.3
17.5°	2420.6	2403.3	2506.2	2640.1	2587.3	2534.5	2539.9	2590.9	2681.1	2659.2	2550.9
20°	2614.6	2653.8	2734.8	2721.2	2579.1	2445.2	2446.1	2494.4	2672.0	2817.7	2770.3
22.5°	2937.0	2975.3	3035.4	2870.5	2579.1	2418.8	2387.9	2453.4	2730.3	3006.2	3018.1
25°	3231.2	3301.3	3317.7	3123.7	2708.4	2443.4	2423.4	2488.0	2788.6	3190.2	3302.2
27.5°	3498.9	3524.4	3596.3	3286.7	2780.4	2459.8	2458.0	2540.8	2862.3	3282.2	3556.3
30°	3710.2	3707.5	3748.4	3389.6	2895.1	2551.8	2463.4	2620.1	2958.9	3434.2	3791.2
32.5°	3854.1	3885.0	3971.6	3532.6	2943.4	2639.2	2570.0	2713.0	3076.3	3506.2	3957.0
35°	4107.3	4161.0	4051.7	3611.8	3096.4	2725.7	2644.7	2839.6	3134.6	3584.5	4160.1
37.5°	4345.9	4304.9	4193.8	3654.6	3195.6	2886.0	2810.4	3084.5	3315.9	3754.8	4294.9
40°	4498.9	4497.9	4300.3	3689.2	3265.8	3131.0	3126.4	3333.2	3538.1	3862.3	4446.0
42.5°	4565.3	4629.1	4344.0	3685.6	3413.3	3427.9	3519.9	3704.7	3695.6	3884.1	4442.4
44°	4656.4	4694.7	4419.6	3693.8	3511.7	3628.2	3845.0	3962.4	3833.1	3872.3	4437.8
45°	4652.8	4655.5	4312.2	3704.7	3595.4	3795.8	3989.8	4188.3	3954.3	3846.8	4497.9
47.5°	4546.2	4515.2	4221.1	3623.7	3856.8	4238.4	4417.8	4538.0	4103.6	3792.1	4423.3
50°	4335.8	4300.3	3999.8	3589.1	3911.5	4513.4	4761.1	4804.8	4239.3	3738.4	4349.5
52.5°	4350.4	4340.4	4062.6	3641.0	3966.1	4599.9	4997.0	5007.9	4393.2	3851.3	4350.4
55°	4610.9	4576.3	4242.9	3705.6	3926.0	4498.9	4846.7	4827.6	4341.3	3783.0	4430.5
57.5°	4219.3	4242.0	3993.4	3449.7	3436.1	3657.4	3810.4	3763.0	3622.8	3414.2	4121.8
60°	3404.2	3468.9	3492.5	2885.1	2592.8	2478.9	2433.4	2349.6	2373.3	2805.0	3620.9
62.5°	2919.7	2916.1	3064.5	2615.5	1698.5	1460.8	1438.9	1458.0	1731.2	2761.2	3546.3
65°	2315.0	2376.9	2422.5	2216.6	1344.2	1084.6	1083.7	1204.9	1498.1	2307.7	2863.2
67.5°	1469.9	1550.9	1607.4	1418.0	898.9	772.3	751.3	897.0	1038.2	1513.6	1724.0
70°	828.7	867.0	892.5	817.8	571.9	400.7	377.0	411.6	627.5	979.9	1021.8
72.5°	319.7	337.0	371.6	374.3	215.8	129.3	104.7	125.7	264.1	388.0	369.7
75°	49.2	52.8	74.7	89.2	61.9	47.4	50.1	51.9	73.8	100.2	83.8
77.5°	23.7	23.7	22.8	26.4	31.0	33.7	36.4	40.1	43.7	48.3	46.4
80°	15.5	15.5	15.5	18.2	22.8	27.3	31.0	32.8	34.6	38.2	36.4
82.5°	10.0	10.0	10.0	13.7	18.2	22.8	24.6	29.1	32.8	38.2	35.5
85°	5.5	5.5	5.5	9.1	13.7	19.1	18.2	14.6	8.2	0.9	1.8
87.5°	1.8	1.8	1.8	1.8	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°	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2
2.5°	2863.2	2821.3	2817.7	2732.1	2655.6	2618.3	2588.2	2504.4	2522.6	2474.4	2473.5
5°	2724.8	2639.2	2500.8	2386.9	2273.1	2250.3	2151.1	2064.6	2067.3	2005.4	2016.3
7.5°	2476.2	2417.0	2248.5	2070.0	1918.8	1811.4	1717.6	1661.1	1589.2	1564.6	1551.8
10°	2318.6	2245.8	2056.4	1832.3	1662.9	1605.6	1515.4	1465.3	1391.5	1355.1	1329.6
12.5°	2249.4	2142.9	1906.1	1678.4	1565.5	1506.3	1429.8	1338.7	1251.3	1217.6	1171.2
15°	2256.7	2129.2	1862.4	1616.5	1480.8	1366.0	1297.7	1196.7	1107.4	1048.2	1014.5
17.5°	2366.9	2212.1	1882.4	1569.1	1374.2	1230.4	1096.5	987.2	916.2	871.5	860.6
20°	2627.4	2417.0	1916.1	1492.6	1267.7	1088.3	923.4	809.6	755.0	754.1	755.0
22.5°	2844.1	2635.6	1984.4	1447.1	1161.1	906.1	742.2	705.8	694.9	717.6	720.4
25°	3136.4	2881.5	2101.9	1423.4	1062.8	772.3	671.2	657.5	656.6	685.8	686.7
27.5°	3436.1	3096.4	2172.0	1354.2	962.6	703.1	628.4	625.6	640.2	671.2	668.5
30°	3640.1	3276.7	2298.6	1271.3	844.2	642.0	611.1	614.7	634.8	658.4	662.1
32.5°	3877.8	3454.3	2331.4	1225.8	771.4	591.0	569.2	577.4	602.9	640.2	660.3
35°	4150.1	3580.0	2381.5	1163.9	744.0	551.9	541.0	550.1	581.0	605.6	627.5
37.5°	4351.3	3802.2	2390.6	1115.6	714.0	530.0	512.7	542.8	561.0	595.6	606.5
40°	4500.7	3963.4	2414.3	1085.6	690.3	501.8	501.8	521.8	546.4	578.3	600.2
42.5°	4596.3	4080.8	2431.6	1058.2	644.8	493.6	489.0	509.1	541.9	572.8	582.8
44°	4654.6	4130.9	2414.3	1032.7	632.0	483.6	483.6	500.9	526.4	562.8	574.7
45°	4669.2	4193.8	2376.0	1031.8	616.5	471.7	469.9	502.7	520.0	564.6	571.9
47.5°	4725.6	4271.2	2380.6	1002.7	579.2	443.5	475.4	490.0	505.4	544.6	569.2
50°	4723.8	4319.4	2370.5	959.9	551.9	411.6	464.5	480.8	496.3	536.4	546.4
52.5°	4736.5	4499.8	2462.5	891.6	502.7	370.7	428.0	464.5	483.6	517.3	538.2
55°	4730.2	4602.7	2553.6	840.6	433.5	346.1	397.1	439.9	467.2	502.7	512.7
57.5°	4320.4	4068.1	2363.3	745.0	358.8	316.9	353.4	414.4	449.0	485.4	498.2
60°	3529.9	3135.5	1948.9	548.2	295.1	291.4	328.8	406.2	420.7	452.6	474.5
62.5°	3262.1	2750.3	1545.5	418.9	252.3	266.8	303.3	367.0	389.8	428.9	449.0
65°	2552.7	1826.9	957.1	283.2	222.2	239.5	274.1	321.5	358.8	395.2	418.9
67.5°	1511.8	998.1	473.6	198.5	194.0	212.2	247.7	283.2	326.0	366.1	377.9
70°	823.3	490.9	202.2	151.2	164.8	181.2	215.8	240.4	281.4	312.4	332.4
72.5°	264.1	149.4	101.1	112.0	125.7	144.8	165.7	195.8	224.9	243.2	259.5
75°	63.7	62.8	71.9	78.3	91.1	105.6	122.9	138.4	161.2	178.5	193.1
77.5°	44.6	48.3	55.6	64.7	69.2	74.7	85.6	97.4	107.5	120.2	129.3
80°	34.6	37.3	42.8	47.4	51.9	56.5	61.9	66.5	72.9	81.1	85.6
82.5°	32.8	34.6	40.1	42.8	41.0	40.1	43.7	45.5	46.4	49.2	51.9
85°	2.7	0.0	1.8	6.4	15.5	22.8	24.6	24.6	23.7	25.5	25.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.6	2.7
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°	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2
2.5°	2462.5	2431.6	2443.4	2458.0	2437.0	2388.8	2401.5	2396.0	2445.2	2441.6	2490.8
5°	2064.6	2016.3	2021.8	2092.8	2070.0	2094.6	2045.4	2039.1	2048.2	2052.7	2060.9
7.5°	1580.1	1573.7	1628.3	1688.4	1716.7	1687.5	1639.3	1628.3	1618.3	1598.3	1643.8
10°	1289.5	1291.4	1287.7	1333.3	1365.1	1358.8	1329.6	1326.0	1306.9	1299.6	1325.1
12.5°	1151.1	1126.5	1114.7	1100.1	1124.7	1141.1	1128.4	1119.2	1120.2	1129.3	1132.9
15°	1017.3	1001.8	976.3	959.9	971.7	963.5	959.0	977.2	972.6	970.8	992.7
17.5°	867.0	879.7	877.9	859.7	875.2	868.8	867.9	855.1	837.8	825.1	832.4
20°	767.7	791.4	809.6	810.5	818.7	817.8	804.1	765.0	752.2	749.5	751.3
22.5°	732.2	745.0	766.8	797.8	797.8	783.2	766.8	721.3	709.4	696.7	691.2
25°	704.0	728.6	756.8	760.4	775.0	761.3	734.9	712.2	687.6	670.3	670.3
27.5°	689.4	716.7	737.7	744.0	764.1	753.1	725.8	696.7	667.5	666.6	651.1
30°	683.0	708.5	722.2	737.7	746.8	729.5	721.3	690.3	661.2	653.9	628.4
32.5°	663.9	700.3	725.8	722.2	729.5	722.2	710.3	684.8	652.1	635.7	632.9
35°	642.0	678.5	705.8	724.9	729.5	714.0	706.7	672.1	627.5	619.3	591.0
37.5°	630.2	652.1	685.8	716.7	723.1	714.9	690.3	654.8	610.2	601.1	576.5
40°	615.6	643.9	670.3	695.8	714.9	694.9	666.6	632.0	612.0	584.7	577.4
42.5°	604.7	636.6	658.4	686.7	708.5	682.1	649.3	625.6	597.4	579.2	558.3
44°	601.1	630.2	644.8	679.4	697.6	677.6	650.2	625.6	592.9	576.5	558.3
45°	588.3	628.4	643.9	674.8	690.3	673.9	639.3	614.7	591.0	571.0	551.9
47.5°	575.6	602.9	629.3	653.9	664.8	659.3	630.2	600.2	571.9	560.1	541.9
50°	571.9	599.2	623.8	646.6	659.3	648.4	622.0	592.9	560.1	541.0	525.5
52.5°	553.7	587.4	614.7	622.0	638.4	632.0	612.0	580.1	549.2	532.8	520.0
55°	527.3	562.8	600.2	609.3	632.9	622.9	592.9	562.8	536.4	511.8	495.4
57.5°	517.3	551.9	588.3	600.2	614.7	598.3	591.0	559.2	517.3	504.5	479.0
60°	491.8	535.5	565.5	592.9	593.8	589.2	576.5	540.0	505.4	481.8	463.5
62.5°	471.7	512.7	536.4	561.9	577.4	564.6	551.9	518.2	480.8	454.4	433.5
65°	442.6	479.9	500.0	515.5	532.8	530.9	509.1	484.5	445.3	424.4	404.4
67.5°	398.0	430.8	458.1	472.7	483.6	480.8	464.5	447.2	407.1	386.1	371.6
70°	344.2	377.9	395.2	403.4	414.4	419.8	407.1	398.9	363.4	336.0	322.4
72.5°	276.9	298.7	324.2	331.5	336.0	339.7	339.7	332.4	296.0	285.0	261.4
75°	204.0	221.3	240.4	240.4	248.6	249.5	251.4	246.8	219.5	204.9	199.4
77.5°	138.4	151.2	166.7	173.0	178.5	177.6	176.7	163.9	149.4	143.0	137.5
80°	90.2	102.9	110.2	118.4	123.9	122.9	124.8	115.7	109.3	98.4	100.2
82.5°	53.7	63.7	71.0	81.1	81.1	83.8	83.8	81.1	74.7	69.2	69.2
85°	25.5	33.7	38.2	44.6	48.3	49.2	43.7	37.3	31.0	28.2	31.0
87.5°	4.6	6.4	9.1	8.2	10.0	9.1	9.1	9.1	9.1	7.3	8.2
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: P527014  
 CATALOG NUMBER: GALN-SA2A-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2	2782.2
2.5°	2472.5	2518.1	2550.0	2602.8	2693.8	2766.7	2841.4	2896.9	2903.3	2919.7
5°	2091.0	2115.6	2196.6	2302.2	2376.9	2499.9	2579.1	2723.0	2776.7	2834.1
7.5°	1632.9	1673.0	1781.3	1852.4	2016.3	2170.2	2329.6	2507.2	2578.2	2586.4
10°	1377.0	1435.3	1509.0	1622.9	1712.1	1883.3	2081.9	2279.5	2358.7	2372.4
12.5°	1209.4	1284.1	1382.4	1464.4	1550.0	1699.4	1889.7	2133.8	2236.7	2298.6
15°	1048.2	1125.6	1234.0	1347.8	1423.4	1601.9	1826.0	2101.0	2234.9	2289.5
17.5°	882.5	954.4	1043.7	1166.6	1318.7	1519.0	1815.9	2210.3	2356.9	2420.6
20°	740.4	780.5	884.3	1010.9	1201.2	1434.4	1819.6	2371.5	2586.4	2614.6
22.5°	684.8	694.0	734.9	851.5	1060.1	1347.8	1884.2	2600.0	2844.1	2937.0
25°	642.0	640.2	651.1	729.5	957.1	1314.1	1948.0	2810.4	3130.1	3231.2
27.5°	618.4	600.2	601.1	674.8	884.3	1259.5	2029.9	3051.8	3454.3	3498.9
30°	606.5	602.9	592.0	622.0	805.1	1177.5	2043.6	3289.4	3645.5	3710.2
32.5°	599.2	563.7	550.1	561.0	730.4	1088.3	2094.6	3446.1	3882.3	3854.1
35°	562.8	530.9	521.8	532.8	677.6	1038.2	2060.9	3582.7	4059.9	4107.3
37.5°	549.2	520.9	502.7	493.6	628.4	996.3	2043.6	3793.1	4232.0	4345.9
40°	536.4	506.3	484.5	475.4	590.1	940.8	2038.1	3955.2	4430.5	4498.9
42.5°	521.8	502.7	478.1	461.7	543.7	885.2	1975.3	4005.3	4491.6	4565.3
44°	517.3	488.1	462.6	457.2	525.5	857.0	1962.6	4050.8	4544.4	4656.4
45°	512.7	485.4	456.3	449.0	519.1	841.5	1945.3	4061.7	4631.8	4652.8
47.5°	500.0	482.7	454.4	434.4	505.4	807.8	1893.3	3999.8	4542.6	4546.2
50°	490.0	469.9	440.8	401.6	487.2	779.6	1917.0	3977.0	4327.6	4335.8
52.5°	479.0	449.0	432.6	365.2	457.2	755.9	1967.1	4079.9	4352.2	4350.4
55°	466.3	433.5	393.4	334.2	407.1	725.8	2088.2	4283.0	4579.9	4610.9
57.5°	446.2	418.0	360.6	306.9	349.7	668.5	2049.1	3894.1	4213.8	4219.3
60°	419.8	393.4	326.9	286.0	286.9	527.3	1832.3	3034.4	3325.0	3404.2
62.5°	394.3	379.8	298.7	255.9	244.1	419.8	1549.1	2521.7	2854.1	2919.7
65°	364.3	328.8	274.1	233.1	209.5	294.2	1097.4	1884.2	2226.7	2315.0
67.5°	326.0	287.8	241.3	204.9	179.4	196.7	566.5	1071.0	1418.0	1469.9
70°	285.0	249.5	203.1	173.0	144.8	135.7	249.5	510.9	775.0	828.7
72.5°	234.0	201.3	162.1	136.6	108.4	93.8	83.8	136.6	275.0	319.7
75°	169.4	146.6	122.0	97.4	76.5	60.1	49.2	41.0	45.5	49.2
77.5°	124.8	106.6	90.2	69.2	53.7	42.8	33.7	25.5	24.6	23.7
80°	97.4	86.5	71.9	55.6	41.9	31.9	23.7	17.3	15.5	15.5
82.5°	76.5	71.0	59.2	45.5	34.6	25.5	17.3	11.8	10.0	10.0
85°	29.1	29.1	42.8	37.3	26.4	18.2	11.8	6.4	5.5	5.5
87.5°	7.3	7.3	7.3	7.3	6.4	5.5	5.5	2.7	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)