

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: P527483

Luminaire Tested: **GALN-SA2C-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527483  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-730-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7118 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 108  
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

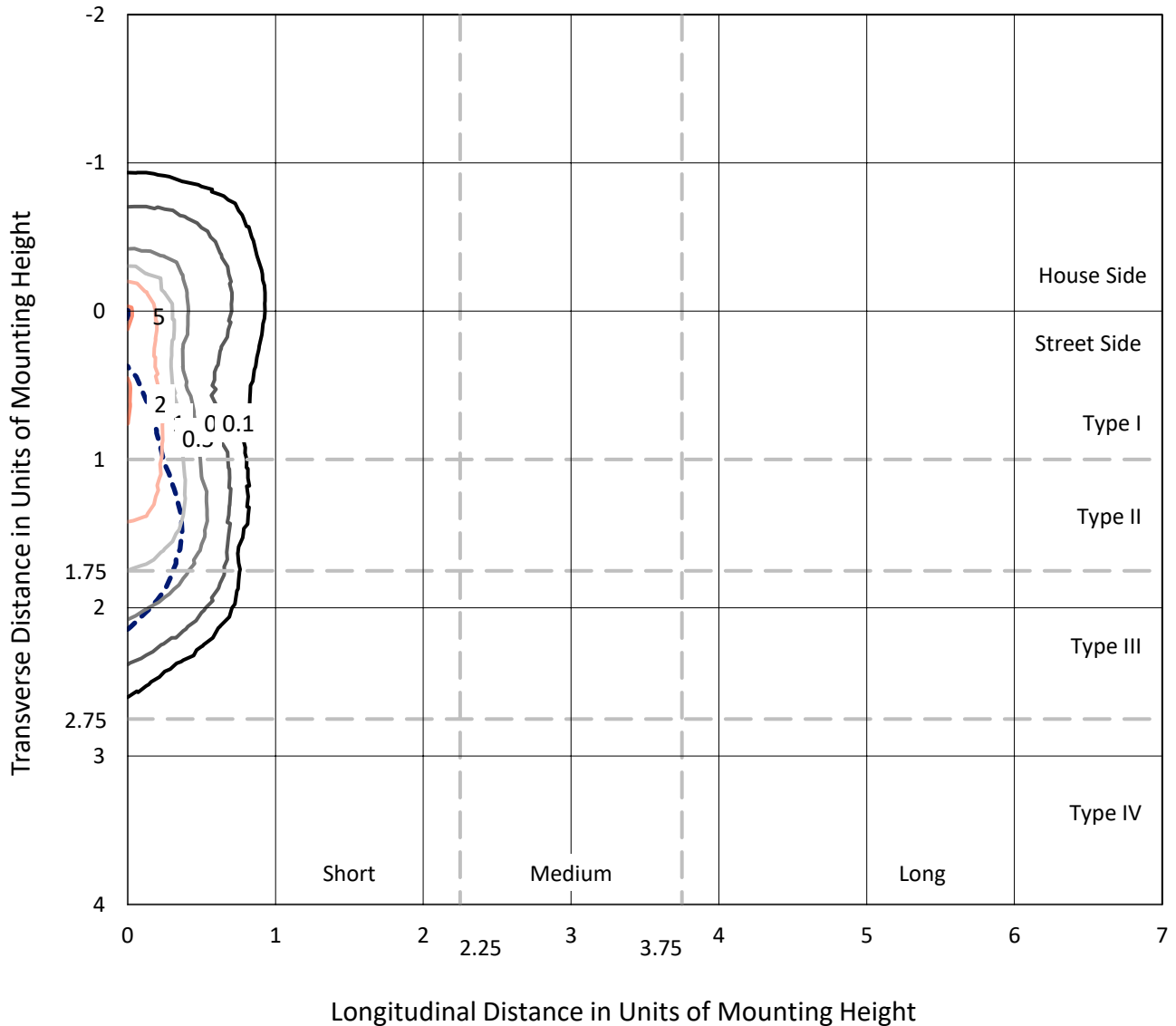




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### Iso-Footcandle Lines of Horizontal Illumination

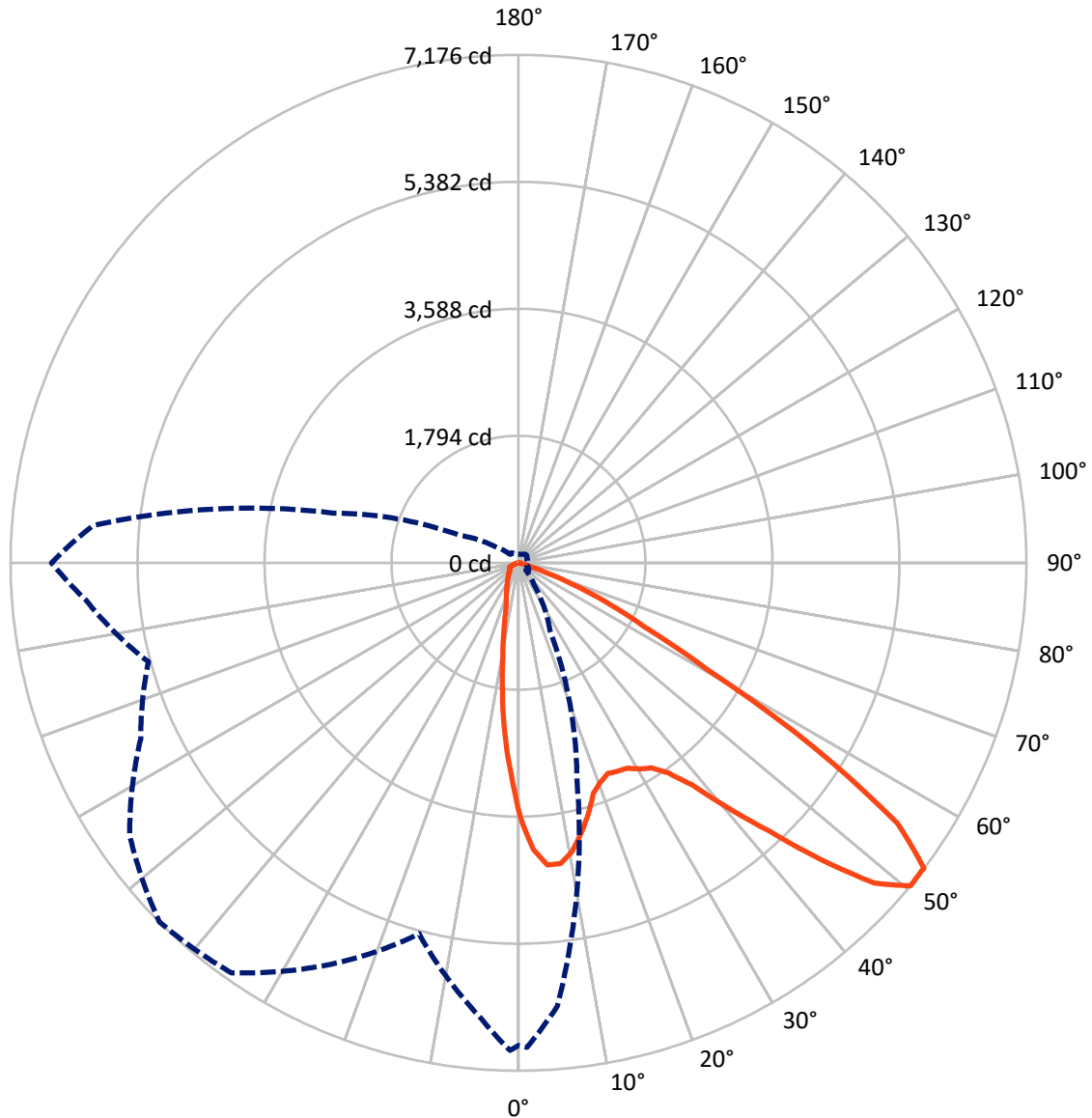
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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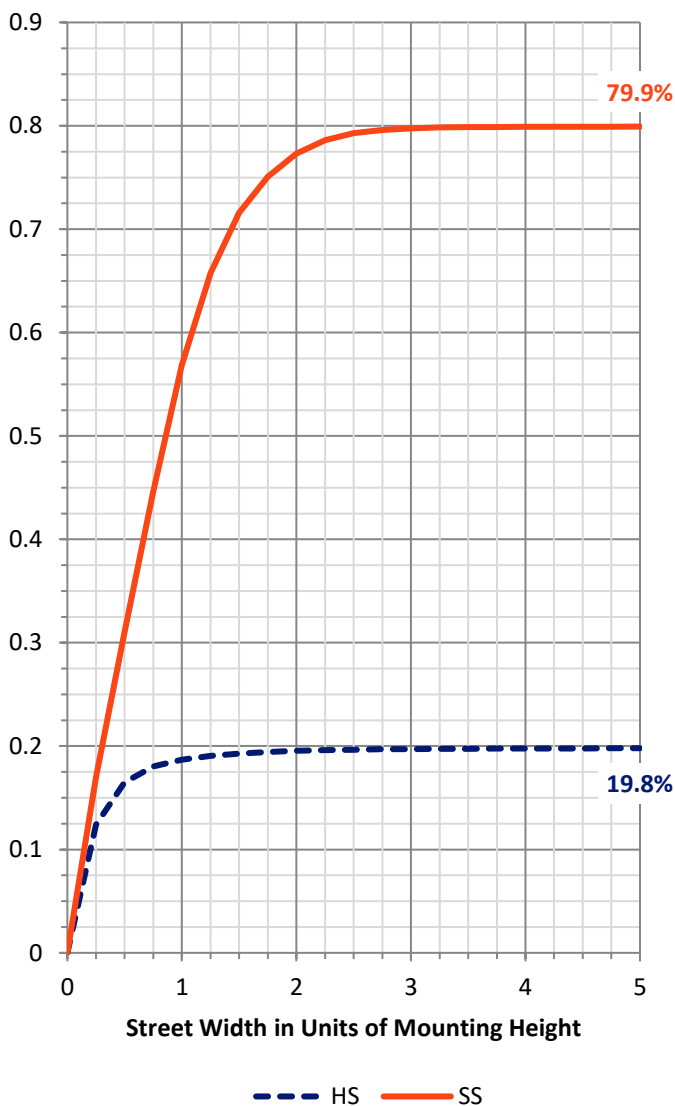
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1425.7	0.0	1425.7
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	5692.3	0.0	5692.3
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	7118.0	0.0	7118.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.1	3.7
10°-20°	522.9	7.3
20°-30°	785.6	11.0
30°-40°	1179.1	16.6
40°-50°	1657.2	23.3
50°-60°	1787.6	25.1
60°-70°	830.0	11.7
70°-80°	78.1	1.1
80°-90°	14.4	0.2
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°	7118.0	100.0
0°-180°	7118.0	100.0

**Coefficient of Utilization**



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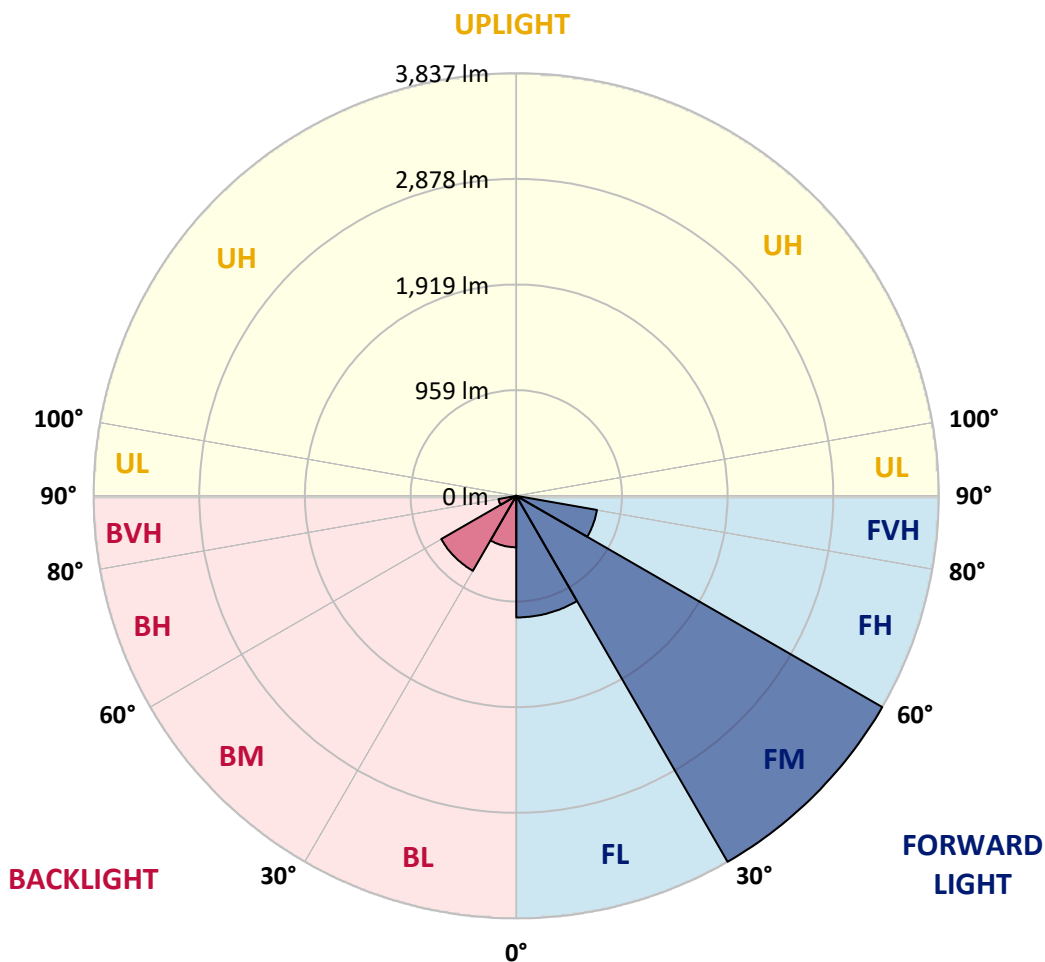
CATALOG NUMBER: GALN-SA2C-730-U-SLR-GRSBK

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1104.3	15.5			
FM	(30°-60°)	3837.1	53.9			
FH	(60°-80°)	744.3	10.5			G1/1800
FVH	(80°-90°)	6.5	0.1			G0/10
BL	(0°-30°)	467.3	6.6	B1/500		
BM	(30°-60°)	786.8	11.1	B1/1000		
BH	(60°-80°)	163.7	2.3	B1/500		G1/500
BVH	(80°-90°)	7.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7
2.5°	3752.4	3694.5	3621.0	3560.3	3469.9	3287.7	3238.3	3179.0	3129.6	3063.2	2970.0
5°	3412.0	3393.6	3359.8	3131.0	2965.7	2745.4	2564.7	2488.4	2388.1	2306.2	2246.9
7.5°	3152.2	3078.7	2971.4	2741.2	2477.1	2241.2	2040.7	1923.5	1790.7	1745.5	1665.0
10°	2873.9	2890.9	2732.7	2409.3	2090.1	1899.5	1775.2	1662.2	1542.2	1463.1	1348.7
12.5°	2785.0	2729.9	2608.4	2208.8	1936.2	1758.3	1607.1	1467.3	1340.2	1213.1	1103.0
15°	2842.9	2758.1	2588.7	2166.4	1817.6	1595.8	1406.6	1217.4	1100.1	937.7	823.3
17.5°	3050.5	2982.7	2755.3	2211.6	1756.8	1440.5	1159.5	964.6	785.2	638.3	580.4
20°	3396.5	3300.4	3015.2	2269.5	1666.5	1252.7	940.6	700.5	531.0	468.9	436.4
22.5°	3735.4	3683.2	3323.0	2381.1	1586.0	1086.0	706.1	471.7	396.8	385.5	364.4
25°	4380.8	4224.1	3793.3	2583.0	1523.8	929.3	532.4	379.9	336.1	327.6	330.5
27.5°	4764.9	4633.6	4228.3	2717.2	1454.6	809.2	450.5	348.8	319.2	300.8	293.7
30°	5133.5	4981.0	4444.4	2796.3	1306.3	682.1	399.7	334.7	327.6	300.8	292.3
32.5°	5417.4	5267.7	4756.5	2914.9	1245.6	600.2	329.1	261.3	242.9	240.1	265.5
35°	5852.4	5692.8	5023.4	2979.9	1199.0	557.8	285.3	233.0	211.8	203.4	204.8
37.5°	6257.7	6149.0	5270.5	3005.3	1149.6	545.1	255.6	209.0	190.7	185.0	183.6
40°	6596.6	6353.7	5505.0	3032.1	1128.4	521.1	237.3	190.7	177.9	169.5	169.5
42.5°	6752.0	6504.8	5767.6	3016.6	1122.7	483.0	237.3	175.1	165.2	156.8	155.3
45°	6718.1	6617.8	5884.9	3009.5	1122.7	444.9	216.1	170.9	156.8	145.5	142.6
47.5°	6805.7	6674.3	6031.7	3039.2	1100.1	418.0	182.2	179.4	148.3	134.2	131.3
50°	6821.2	6846.6	6287.4	3193.1	1050.7	384.1	142.6	176.5	142.6	121.5	118.6
52°	6922.9	6764.7	6365.0	3275.0	998.5	358.7	120.0	151.1	137.0	113.0	110.2
52.5°	6783.1	6886.2	6383.4	3304.7	1004.1	341.8	115.8	148.3	134.2	113.0	105.9
55°	6626.3	6725.2	6308.5	3368.2	920.8	268.3	90.4	107.3	121.5	98.9	94.6
57.5°	5759.2	5859.4	5482.4	3084.4	749.9	189.2	74.8	80.5	107.3	91.8	87.6
60°	5119.4	5047.4	4601.1	2573.1	532.4	105.9	59.3	62.1	117.2	84.7	83.3
62.5°	4678.8	4524.9	3845.6	1987.0	324.8	70.6	46.6	48.0	90.4	79.1	79.1
65°	3461.4	3289.1	2554.8	1201.8	159.6	49.4	35.3	38.1	56.5	67.8	67.8
67.5°	1975.7	1909.4	1234.3	542.3	66.4	31.1	26.8	29.7	43.8	55.1	52.3
70°	908.1	814.9	474.5	114.4	31.1	21.2	21.2	24.0	35.3	41.0	38.1
72.5°	265.5	251.4	115.8	18.4	12.7	12.7	14.1	18.4	26.8	31.1	28.2
75°	19.8	12.7	8.5	5.6	5.6	8.5	11.3	18.4	26.8	29.7	24.0
77.5°	1.4	2.8	1.4	1.4	4.2	8.5	12.7	22.6	35.3	36.7	26.8
80°	1.4	1.4	0.0	1.4	4.2	8.5	14.1	25.4	39.5	42.4	22.6
82.5°	0.0	0.0	0.0	1.4	5.6	11.3	16.9	26.8	36.7	45.2	24.0
85°	0.0	0.0	0.0	1.4	8.5	15.5	19.8	7.1	4.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7
2.5°	3036.3	2999.6	2985.5	2998.2	2994.0	2989.7	3067.4	3050.5	3047.6	3073.1	3067.4
5°	2279.4	2214.4	2392.4	2320.3	2395.2	2440.4	2448.8	2453.1	2505.3	2450.3	2522.3
7.5°	1624.1	1641.0	1639.6	1687.6	1773.8	1850.1	1895.2	1859.9	1857.1	1850.1	1819.0
10°	1297.9	1268.2	1262.6	1251.3	1278.1	1343.1	1398.1	1354.4	1323.3	1365.7	1352.9
12.5°	1060.6	1019.6	997.1	951.9	953.3	997.1	997.1	997.1	1028.1	1052.1	1070.5
15°	813.5	779.6	779.6	734.4	724.5	725.9	748.5	751.3	800.7	814.9	821.9
17.5°	569.1	550.8	572.0	590.3	579.0	581.8	590.3	593.1	600.2	594.6	608.7
20°	437.8	435.0	440.6	473.1	497.1	511.2	501.4	487.2	478.8	459.0	459.0
22.5°	371.4	377.1	387.0	413.8	444.9	453.3	442.0	409.6	384.1	381.3	382.7
25°	330.5	336.1	351.7	368.6	385.5	399.7	388.4	364.4	350.2	337.5	337.5
27.5°	305.0	307.9	316.3	329.1	343.2	354.5	350.2	337.5	322.0	316.3	303.6
30°	285.3	289.5	299.4	302.2	314.9	320.6	313.5	310.7	300.8	293.7	289.5
32.5°	275.4	274.0	281.0	283.9	285.3	289.5	281.0	285.3	283.9	272.6	268.3
35°	207.6	218.9	237.3	252.8	257.0	262.7	261.3	255.6	240.1	227.4	211.8
37.5°	186.4	193.5	203.4	216.1	233.0	240.1	237.3	223.1	204.8	196.3	193.5
40°	172.3	176.5	185.0	193.5	210.4	223.1	213.3	200.5	186.4	179.4	175.1
42.5°	159.6	161.0	165.2	173.7	186.4	206.2	189.2	172.3	166.6	162.4	159.6
45°	145.5	145.5	151.1	155.3	169.5	187.8	170.9	155.3	152.5	149.7	148.3
47.5°	134.2	135.6	138.4	144.0	155.3	168.1	156.8	144.0	137.0	135.6	132.8
50°	120.0	121.5	127.1	132.8	146.9	153.9	146.9	132.8	125.7	121.5	121.5
52°	108.7	113.0	118.6	129.9	139.8	151.1	142.6	127.1	118.6	114.4	111.6
52.5°	107.3	110.2	115.8	128.5	139.8	149.7	141.2	125.7	115.8	113.0	110.2
55°	96.0	100.3	110.2	125.7	138.4	149.7	138.4	124.3	110.2	103.1	100.3
57.5°	91.8	94.6	107.3	127.1	137.0	149.7	138.4	124.3	110.2	97.4	94.6
60°	87.6	93.2	107.3	122.9	135.6	151.1	139.8	122.9	107.3	91.8	91.8
62.5°	83.3	87.6	105.9	120.0	129.9	145.5	134.2	120.0	103.1	87.6	86.1
65°	72.0	79.1	93.2	100.3	111.6	125.7	114.4	104.5	90.4	77.7	76.3
67.5°	55.1	57.9	69.2	77.7	84.7	97.4	91.8	79.1	69.2	59.3	59.3
70°	38.1	41.0	49.4	53.7	60.7	67.8	63.6	53.7	46.6	41.0	39.5
72.5°	26.8	28.2	31.1	33.9	36.7	39.5	38.1	31.1	26.8	25.4	24.0
75°	21.2	24.0	25.4	24.0	22.6	21.2	21.2	18.4	15.5	14.1	14.1
77.5°	21.2	22.6	21.2	18.4	15.5	14.1	12.7	11.3	8.5	7.1	8.5
80°	18.4	18.4	18.4	15.5	14.1	12.7	11.3	9.9	8.5	7.1	7.1
82.5°	19.8	19.8	18.4	15.5	15.5	12.7	12.7	11.3	9.9	7.1	7.1
85°	0.0	0.0	0.0	2.8	7.1	12.7	12.7	11.3	9.9	8.5	8.5
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	5.6	7.1	8.5	8.5	8.5
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°	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7
2.5°	3118.3	3171.9	3273.6	3375.3	3437.4	3510.9	3643.6	3714.2	3806.0	3851.2	3940.2
5°	2512.4	2639.5	2684.7	2800.5	2924.8	3049.1	3246.8	3464.3	3645.0	3769.3	3930.3
7.5°	1833.1	1862.8	2037.9	2115.6	2318.9	2544.9	2814.6	3088.6	3317.4	3520.8	3643.6
10°	1374.1	1482.9	1593.0	1741.3	1905.1	2138.2	2396.6	2698.8	2995.4	3198.8	3354.1
12.5°	1104.4	1190.5	1337.4	1497.0	1698.9	1852.9	2112.7	2412.1	2796.3	2995.4	3200.2
15°	836.1	946.2	1112.9	1278.1	1491.3	1653.8	1916.4	2293.5	2787.8	3061.8	3238.3
17.5°	620.0	694.8	844.5	1029.5	1247.0	1475.8	1830.3	2280.8	2882.4	3208.6	3390.8
20°	474.5	499.9	594.6	759.8	995.6	1295.0	1690.5	2335.9	3162.0	3565.9	3750.9
22.5°	384.1	395.4	432.1	546.5	775.3	1136.9	1624.1	2374.0	3477.0	3993.9	4241.0
25°	334.7	331.9	355.9	405.3	605.9	988.6	1539.4	2518.1	3862.5	4496.6	4718.3
27.5°	305.0	305.0	316.3	351.7	502.8	892.5	1485.7	2621.1	4250.9	4938.7	5058.7
30°	289.5	292.3	324.8	336.1	418.0	778.2	1396.7	2725.7	4622.3	5221.1	5386.3
32.5°	268.3	257.0	250.0	278.2	351.7	675.1	1307.7	2769.4	4923.1	5567.1	5708.3
35°	206.2	200.5	209.0	230.2	302.2	587.5	1208.9	2818.9	5269.1	5968.2	5996.4
37.5°	186.4	185.0	190.7	209.0	254.2	511.2	1138.3	2806.2	5533.2	6300.1	6223.8
40°	172.3	172.3	176.5	192.1	227.4	457.6	1064.8	2794.9	5788.8	6672.9	6449.8
42.5°	161.0	161.0	168.1	177.9	216.1	422.3	1009.8	2779.3	6003.5	6901.7	6582.5
45°	145.5	149.7	161.0	170.9	218.9	398.3	968.8	2720.0	6076.9	6898.9	6519.0
47.5°	134.2	139.8	151.1	165.2	197.7	391.2	940.6	2667.7	6051.5	6729.4	6319.8
50°	121.5	128.5	144.0	168.1	168.1	377.1	910.9	2714.4	6033.2	6598.1	6129.2
52°	113.0	118.6	138.4	163.8	146.9	347.4	892.5	2804.7	6108.0	6581.1	6044.5
52.5°	111.6	115.8	134.2	161.0	139.8	341.8	879.8	2825.9	6132.0	6538.7	6102.4
55°	98.9	104.5	122.9	125.7	114.4	281.0	838.9	2873.9	6013.4	6455.4	6047.3
57.5°	93.2	96.0	108.7	103.1	98.9	211.8	721.7	2799.1	5341.1	5733.8	5626.4
60°	86.1	89.0	101.7	80.5	83.3	148.3	542.3	2430.5	4289.0	4777.7	4971.1
62.5°	83.3	81.9	96.0	65.0	70.6	107.3	382.7	1975.7	3304.7	3933.1	4267.8
65°	73.4	72.0	69.2	55.1	60.7	83.3	228.8	1289.4	2328.8	2975.6	3159.2
67.5°	56.5	59.3	50.8	43.8	50.8	65.0	127.1	577.6	1221.6	1785.1	1933.4
70°	39.5	42.4	41.0	38.1	45.2	53.7	73.4	197.7	505.6	937.7	1033.8
72.5°	24.0	29.7	31.1	32.5	39.5	46.6	52.3	63.6	134.2	331.9	412.4
75°	14.1	19.8	24.0	28.2	32.5	39.5	43.8	45.2	46.6	62.1	100.3
77.5°	9.9	14.1	21.2	26.8	32.5	39.5	46.6	49.4	46.6	43.8	46.6
80°	8.5	14.1	19.8	25.4	33.9	41.0	46.6	46.6	45.2	39.5	42.4
82.5°	8.5	14.1	21.2	26.8	32.5	39.5	45.2	46.6	42.4	39.5	41.0
85°	9.9	15.5	22.6	28.2	35.3	32.5	29.7	24.0	22.6	18.4	19.8
87.5°	9.9	14.1	14.1	15.5	16.9	16.9	16.9	15.5	12.7	11.3	11.3
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: P527483

CATALOG NUMBER: GALN-SA2C-730-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7
2.5°	3944.4	4057.4	4053.2	4056.0	4039.0	3924.7	3869.6	3729.8	3769.3	3752.4
5°	4095.5	4207.1	4303.1	4291.8	4161.9	4006.6	3776.4	3558.9	3499.6	3412.0
7.5°	3944.4	4212.8	4301.7	4289.0	4097.0	3897.8	3530.6	3313.1	3210.1	3152.2
10°	3704.3	4015.0	4125.2	4147.8	4017.9	3715.6	3378.1	3029.3	2974.2	2873.9
12.5°	3567.4	3793.3	3861.1	3921.8	3876.6	3650.7	3262.3	2927.6	2851.3	2785.0
15°	3455.8	3590.0	3618.2	3687.4	3714.2	3592.8	3323.0	3037.8	2849.9	2842.9
17.5°	3558.9	3503.8	3400.7	3421.9	3506.6	3594.2	3479.8	3255.2	3073.1	3050.5
20°	3729.8	3486.9	3253.8	3306.1	3376.7	3645.0	3717.1	3558.9	3454.4	3396.5
22.5°	3926.1	3516.5	3207.2	3232.7	3366.8	3759.4	4101.2	4013.6	3818.7	3735.4
25°	4289.0	3598.4	3243.9	3260.9	3444.5	3919.0	4448.6	4513.6	4397.8	4380.8
27.5°	4643.5	3810.3	3324.4	3286.3	3484.0	4074.4	4659.0	5007.9	4804.5	4764.9
30°	4824.3	3982.6	3444.5	3379.5	3647.9	4169.0	4786.1	5329.8	5151.9	5133.5
32.5°	5101.1	4139.3	3537.7	3454.4	3739.7	4286.2	5023.4	5681.5	5509.2	5417.4
35°	5216.9	4310.2	3742.5	3645.0	4002.3	4450.0	5144.8	5995.0	5941.4	5852.4
37.5°	5440.0	4493.8	3984.0	3978.3	4320.1	4663.3	5363.7	6421.5	6411.6	6257.7
40°	5458.4	4694.3	4365.3	4543.2	4811.6	5034.7	5555.8	6540.2	6701.1	6596.6
42.5°	5486.6	5046.0	5024.8	5171.7	5401.9	5353.9	5562.9	6568.4	6814.1	6752.0
45°	5499.3	5397.6	5695.6	5966.8	6062.8	5771.9	5496.5	6514.7	6873.4	6718.1
47.5°	5397.6	5699.9	6237.9	6761.9	6790.1	6028.9	5468.3	6459.7	6908.8	6805.7
50°	5411.8	5889.1	6706.8	7175.7	7072.6	6256.3	5424.5	6425.8	6890.4	6821.2
52°	5377.9	5893.3	6773.2	7167.2	7095.2	6130.6	5349.6	6295.8	6873.4	6922.9
52.5°	5416.0	5867.9	6704.0	7172.8	7079.6	6192.7	5339.7	6367.9	6883.3	6783.1
55°	5284.7	5565.7	6298.7	6497.8	6483.7	5620.8	5036.1	6129.2	6624.9	6626.3
57.5°	4776.2	4824.3	4940.1	4935.8	4870.9	4418.9	4307.4	5636.3	5906.0	5759.2
60°	4208.5	3532.0	3219.9	3092.8	3020.8	2947.4	3810.3	5156.1	5181.6	5119.4
62.5°	3636.6	2448.8	2033.6	1998.3	2015.3	2283.6	3683.2	4965.5	4813.0	4678.8
65°	2934.7	1785.1	1477.2	1430.6	1595.8	1885.4	2981.3	3807.4	3573.0	3461.4
67.5°	1843.0	1302.1	998.5	910.9	1110.0	1297.9	1958.8	2392.4	2129.7	1975.7
70°	1093.1	727.3	451.9	405.3	456.2	692.0	1097.3	1193.4	987.2	908.1
72.5°	430.7	266.9	125.7	107.3	111.6	242.9	403.9	394.0	298.0	265.5
75°	115.8	80.5	43.8	35.3	29.7	45.2	65.0	42.4	15.5	19.8
77.5°	53.7	48.0	38.1	29.7	22.6	16.9	8.5	2.8	2.8	1.4
80°	46.6	41.0	35.3	29.7	22.6	14.1	7.1	1.4	1.4	1.4
82.5°	43.8	38.1	32.5	26.8	21.2	14.1	7.1	1.4	0.0	0.0
85°	18.4	24.0	26.8	25.4	22.6	14.1	7.1	1.4	0.0	0.0
87.5°	9.9	8.5	7.1	5.6	4.2	2.8	2.8	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

(END OF REPORT)