

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: P527250

Luminaire Tested: **GALN-SA2B-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2B-730-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7761 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

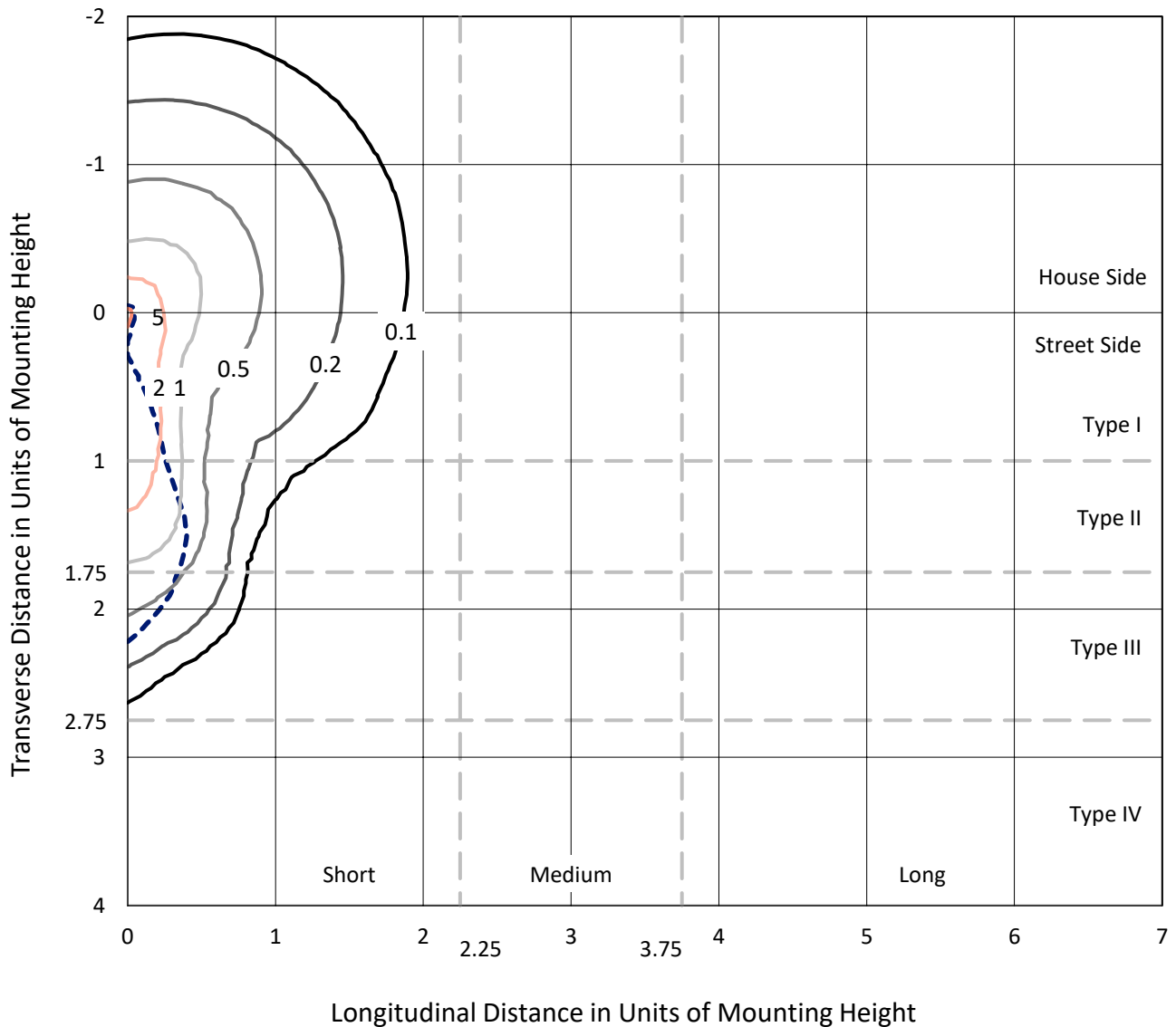
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

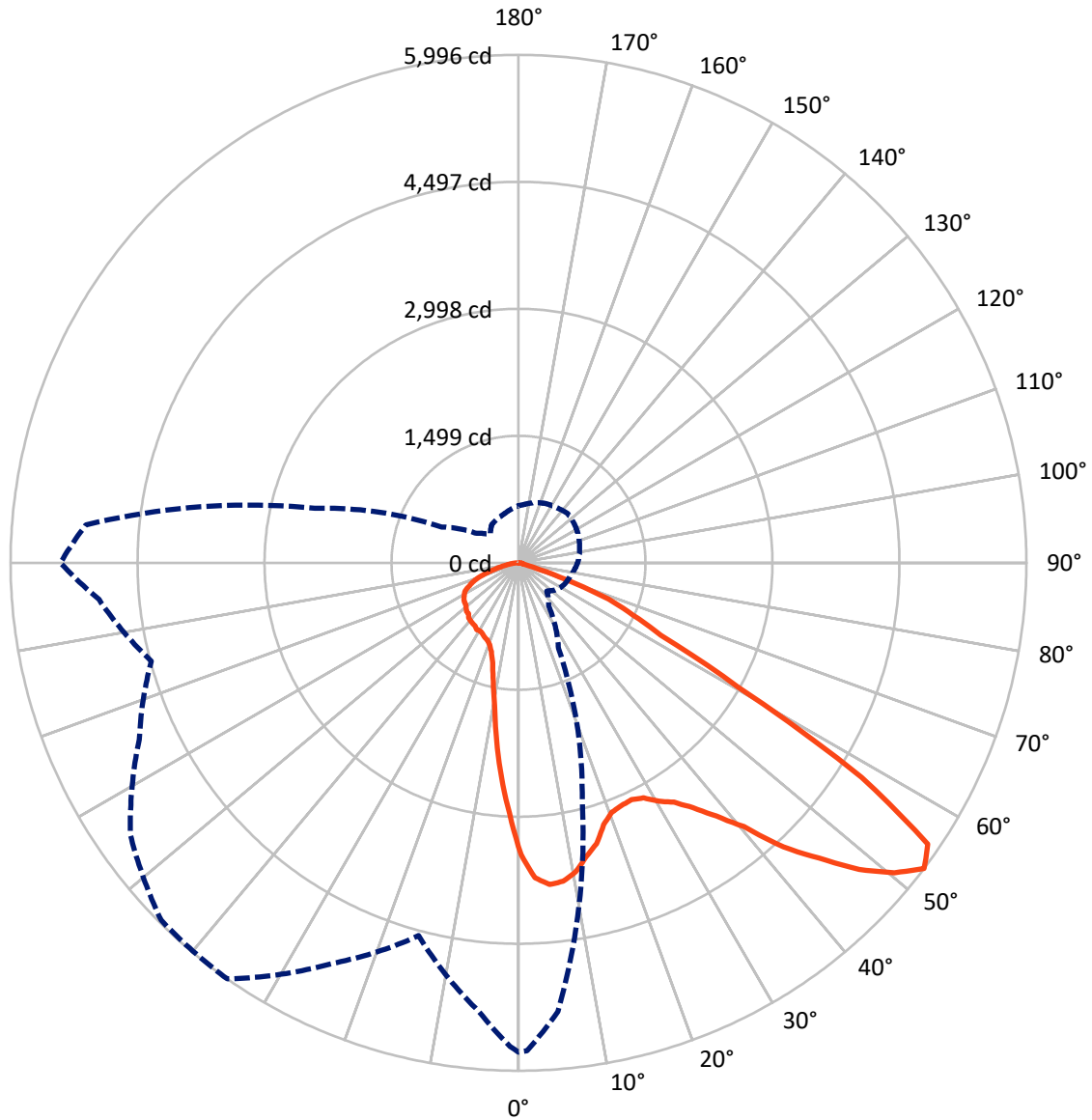
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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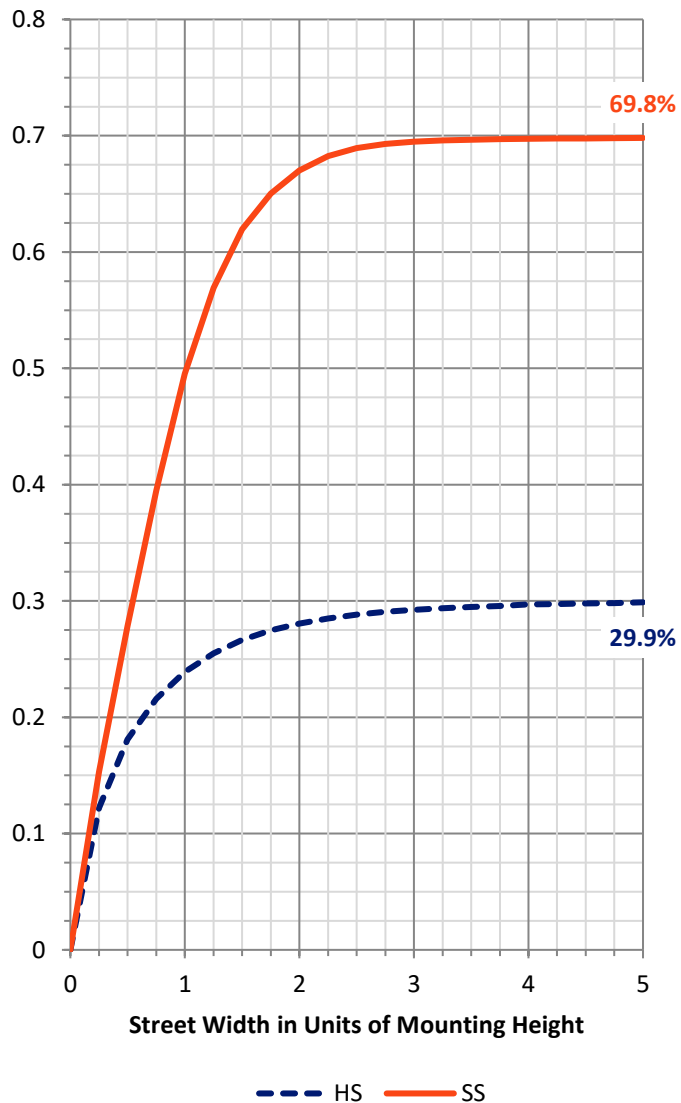
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2339.6	0.0	2339.6
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	5421.4	0.0	5421.4
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	7761.0	0.0	7761.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.8	3.4
10°-20°	569.7	7.3
20°-30°	860.7	11.1
30°-40°	1243.8	16.0
40°-50°	1655.2	21.3
50°-60°	1851.4	23.9
60°-70°	1043.4	13.4
70°-80°	232.6	3.0
80°-90°	41.4	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°	7761.0	100.0
0°-180°	7761.0	100.0

**Coefficient of Utilization**



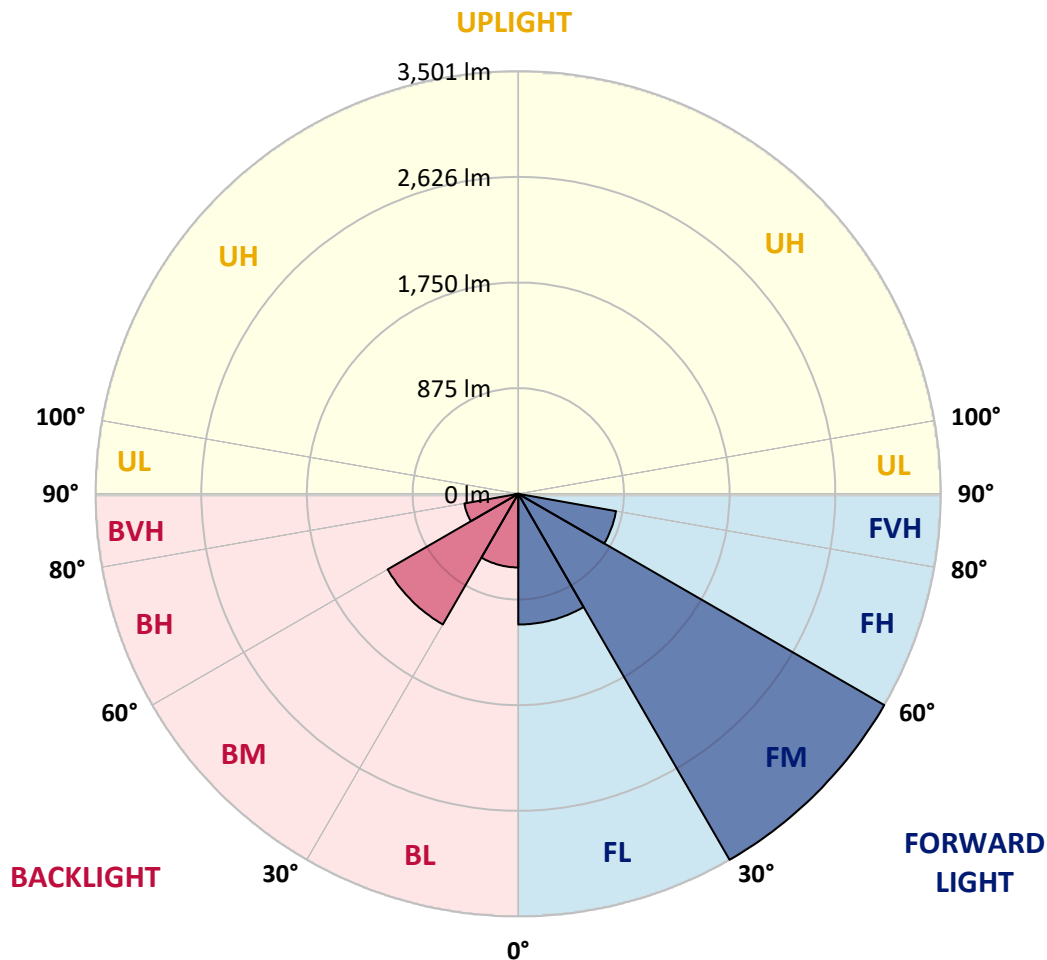
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.0	14.0			
FM (30°-60°)	3500.8	45.1			
FH (60°-80°)	822.5	10.6			G1/1800
FVH (80°-90°)	15.0	0.2			G1/100
BL (0°-30°)	610.1	7.9	B2/1000		
BM (30°-60°)	1249.6	16.1	B2/2500		
BH (60°-80°)	453.5	5.8	B1/500		G1/500
BVH (80°-90°)	26.4	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4
2.5°	3501.7	3558.0	3497.2	3389.3	3312.8	3243.0	3169.9	3155.3	3059.7	3042.8	2973.1
5°	3302.6	3290.3	3216.0	3074.3	2917.9	2776.2	2671.6	2570.3	2501.7	2421.9	2416.2
7.5°	3060.8	2988.8	2946.1	2731.2	2537.7	2315.0	2219.4	2065.3	2016.9	1944.9	1907.8
10°	2844.8	2791.9	2691.8	2477.0	2207.0	2059.7	1957.3	1874.0	1817.8	1743.6	1650.2
12.5°	2738.0	2716.6	2604.1	2271.1	2070.9	1913.4	1841.4	1760.4	1664.8	1545.6	1499.5
15°	2757.1	2685.1	2599.6	2231.8	1955.0	1803.2	1688.4	1587.2	1464.6	1351.0	1284.6
17.5°	2899.9	2844.8	2673.8	2256.5	1911.2	1691.8	1483.7	1334.1	1223.9	1121.5	1075.4
20°	3181.2	3101.3	2908.9	2288.0	1816.7	1536.6	1298.1	1113.6	995.5	941.5	925.8
22.5°	3492.7	3445.5	3138.4	2358.9	1741.3	1392.6	1101.3	916.8	872.9	858.3	887.5
25°	3871.8	3749.2	3495.0	2474.7	1682.8	1270.0	934.8	832.4	809.9	824.5	858.3
27.5°	4159.8	4127.2	3744.7	2583.8	1603.0	1122.6	841.4	773.9	780.7	795.3	826.8
30°	4501.8	4336.4	3986.6	2659.2	1531.0	1021.4	776.2	758.2	764.9	789.7	805.4
32.5°	4707.6	4645.8	4138.4	2772.8	1447.7	933.6	725.5	708.7	718.8	755.9	793.0
35°	4969.7	4847.1	4326.3	2802.1	1389.2	898.8	689.6	677.2	700.8	726.7	768.3
37.5°	5275.7	5191.3	4586.1	2781.8	1357.7	862.8	659.2	653.6	670.4	706.4	754.8
40°	5456.8	5430.9	4722.2	2794.2	1308.2	831.3	624.3	631.1	665.9	694.1	741.3
42.5°	5631.1	5462.4	4923.6	2789.7	1276.7	788.5	627.7	619.8	646.8	679.4	724.4
45°	5669.4	5501.8	4970.8	2758.2	1238.5	746.9	601.8	605.2	637.8	678.3	707.5
47.5°	5644.6	5520.9	5058.6	2749.2	1202.5	717.7	563.6	604.1	623.2	655.8	697.4
50°	5627.8	5621.0	5132.8	2791.9	1154.1	671.6	517.4	589.4	608.6	641.2	686.2
52.5°	5776.3	5761.6	5318.4	2904.4	1115.9	622.1	470.2	552.3	598.4	629.9	673.8
55°	5866.2	5802.1	5636.8	3042.8	1051.8	556.8	437.6	506.2	573.7	601.8	646.8
57.5°	5276.8	5232.9	5099.1	2840.3	943.8	471.3	397.1	459.0	539.9	583.8	629.9
60°	4390.4	4321.8	3978.7	2414.0	696.3	366.7	372.3	421.8	530.9	547.8	601.8
62.5°	4139.6	3969.7	3502.9	1942.7	534.3	315.0	334.1	388.1	483.7	511.8	565.8
65°	3284.6	3158.7	2506.2	1402.7	357.7	273.3	304.8	349.8	417.3	472.4	521.9
67.5°	2056.3	1935.9	1337.5	663.7	249.7	234.0	272.2	319.5	374.6	424.1	479.2
70°	1074.3	942.6	617.6	239.6	172.1	191.2	227.2	272.2	326.2	366.7	409.5
72.5°	400.5	325.1	201.4	103.5	119.2	146.2	184.5	217.1	255.3	304.8	328.5
75°	61.9	52.9	51.7	63.0	81.0	105.7	131.6	164.2	198.0	229.5	245.2
77.5°	29.2	28.1	31.5	41.6	54.0	75.4	95.6	127.1	154.1	174.4	183.4
80°	19.1	18.0	20.2	28.1	40.5	56.2	76.5	97.9	122.6	139.5	137.2
82.5°	11.2	12.4	12.4	19.1	28.1	40.5	55.1	74.2	91.1	105.7	96.7
85°	6.7	5.6	5.6	11.2	19.1	32.6	46.1	31.5	32.6	32.6	37.1
87.5°	2.2	2.2	2.2	1.1	2.2	2.2	3.4	5.6	6.7	7.9	10.1
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°	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4
2.5°	2970.8	3005.7	2993.3	2949.4	2983.2	2988.8	2966.3	3043.9	3058.5	3034.9	3041.7
5°	2408.4	2417.4	2437.6	2480.4	2510.7	2546.7	2546.7	2549.0	2518.6	2595.1	2572.6
7.5°	1876.3	1881.9	1905.5	1996.7	2022.5	2091.2	2120.4	2100.1	2039.4	2013.5	2034.9
10°	1619.8	1587.2	1579.3	1590.6	1649.1	1678.3	1703.1	1696.3	1686.2	1665.9	1643.4
12.5°	1448.8	1425.2	1406.1	1379.1	1382.5	1410.6	1429.7	1414.0	1418.5	1423.0	1429.7
15°	1263.2	1246.4	1236.2	1195.7	1191.2	1210.4	1217.1	1226.1	1243.0	1244.1	1236.2
17.5°	1066.4	1051.8	1074.3	1096.8	1081.0	1082.1	1094.5	1102.4	1097.9	1077.6	1067.5
20°	931.4	947.1	969.6	991.0	1007.9	1018.0	1022.5	1010.1	995.5	953.9	952.8
22.5°	892.0	912.3	931.4	964.0	979.8	1005.6	982.0	953.9	933.6	913.4	889.8
25°	862.8	879.7	917.9	930.3	960.6	982.0	965.1	937.0	902.2	872.9	854.9
27.5°	841.4	860.5	885.3	919.0	942.6	955.0	938.1	926.9	890.9	856.0	830.2
30°	827.9	848.2	893.2	921.3	941.5	951.6	922.4	908.9	883.0	853.8	831.3
32.5°	818.9	836.9	875.2	911.2	924.7	924.7	929.2	913.4	877.4	827.9	808.8
35°	789.7	814.4	845.9	887.5	912.3	926.9	904.4	886.4	862.8	812.2	777.3
37.5°	772.8	789.7	830.2	869.5	890.9	906.7	897.7	866.2	834.7	793.0	764.9
40°	754.8	781.8	817.8	854.9	878.5	894.3	887.5	850.4	812.2	772.8	753.7
42.5°	742.4	760.4	797.5	839.2	867.3	897.7	877.4	831.3	804.3	750.3	728.9
45°	732.3	761.5	800.9	817.8	847.0	878.5	842.5	814.4	782.9	743.5	725.5
47.5°	719.9	746.9	772.8	817.8	831.3	845.9	839.2	794.2	767.2	724.4	712.0
50°	715.4	725.5	772.8	797.5	816.7	831.3	813.3	779.5	753.7	709.8	682.8
52.5°	697.4	716.5	746.9	779.5	803.2	821.2	791.9	770.5	735.7	689.6	672.7
55°	674.9	686.2	740.2	773.9	786.3	798.7	787.4	752.5	716.5	669.3	652.4
57.5°	645.7	671.6	715.4	762.7	778.4	785.2	767.2	739.0	694.1	652.4	625.4
60°	615.3	642.3	690.7	728.9	744.7	769.4	742.4	725.5	673.8	627.7	598.4
62.5°	584.9	615.3	651.3	699.7	713.2	723.3	716.5	692.9	651.3	599.6	563.6
65°	548.9	571.4	616.4	641.2	650.2	673.8	650.2	641.2	604.1	554.6	524.2
67.5°	494.9	514.1	553.4	577.1	583.8	593.9	592.8	582.7	541.1	507.3	480.3
70°	433.1	450.0	474.7	502.8	506.2	518.6	507.3	505.1	478.1	432.0	417.3
72.5°	347.6	363.3	396.0	408.3	409.5	414.0	408.3	400.5	393.7	345.3	330.7
75°	266.6	275.6	291.3	302.6	302.6	308.2	304.8	297.0	279.0	248.6	234.0
77.5°	185.6	194.6	214.9	221.6	220.5	222.7	212.6	204.7	177.7	162.0	149.6
80°	135.0	140.6	150.7	155.2	156.4	159.7	147.4	140.6	124.9	106.9	101.2
82.5°	97.9	101.2	102.4	108.0	108.0	102.4	99.0	92.2	81.0	69.7	65.2
85°	40.5	41.6	42.7	49.5	50.6	60.7	56.2	52.9	46.1	39.4	36.0
87.5°	10.1	11.2	14.6	12.4	14.6	14.6	15.7	18.0	18.0	14.6	14.6
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°	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4
2.5°	3067.5	3076.5	3191.3	3205.9	3262.1	3319.5	3435.4	3518.6	3586.1	3630.0	3642.4
5°	2596.2	2653.6	2706.5	2791.9	2869.6	2979.8	3106.9	3264.4	3462.4	3563.6	3604.1
7.5°	2032.7	2100.1	2176.6	2259.9	2373.5	2571.5	2741.3	2923.6	3176.7	3281.3	3439.9
10°	1659.2	1734.6	1835.8	1899.9	2037.2	2226.1	2424.1	2634.5	2876.3	3027.0	3210.4
12.5°	1466.8	1528.7	1622.1	1757.1	1859.4	1982.0	2129.4	2394.9	2741.3	2884.2	3010.2
15°	1254.2	1322.9	1430.8	1580.5	1703.1	1849.3	2014.7	2303.8	2672.7	2893.2	3000.1
17.5°	1078.8	1128.3	1241.9	1371.2	1511.8	1671.6	1908.9	2299.3	2744.7	3027.0	3201.4
20°	957.3	964.0	1025.9	1136.1	1327.4	1535.5	1843.7	2276.8	2975.3	3257.6	3478.1
22.5°	880.8	874.0	875.2	968.5	1102.4	1401.6	1741.3	2353.2	3237.4	3624.4	3772.8
25°	842.5	824.5	813.3	833.5	955.0	1243.0	1663.7	2454.5	3519.7	3927.0	4109.2
27.5°	822.3	790.8	768.3	771.7	860.5	1163.1	1615.3	2498.4	3799.8	4348.8	4412.9
30°	814.4	775.0	742.4	731.2	789.7	1051.8	1511.8	2573.7	4050.7	4580.5	4635.6
32.5°	786.3	737.9	706.4	696.3	719.9	953.9	1437.6	2627.7	4272.3	4832.5	4813.4
35°	753.7	713.2	673.8	654.7	671.6	890.9	1378.0	2601.8	4533.3	5028.2	5018.1
37.5°	750.3	697.4	664.8	633.3	632.2	813.3	1297.0	2626.6	4699.7	5379.2	5240.8
40°	721.0	687.3	644.6	618.7	604.1	773.9	1218.2	2568.1	4943.8	5520.9	5384.8
42.5°	722.2	671.6	634.4	604.1	589.4	716.5	1164.2	2552.4	5029.3	5751.5	5452.3
45°	704.2	654.7	623.2	587.2	579.3	672.7	1112.5	2479.2	5180.1	5762.8	5367.9
47.5°	686.2	642.3	608.6	565.8	547.8	656.9	1072.0	2418.5	5101.3	5657.0	5250.9
50°	673.8	623.2	591.7	561.3	510.7	629.9	1019.1	2403.9	4991.1	5514.2	5033.8
52.5°	652.4	607.4	574.8	551.2	470.2	605.2	998.9	2489.4	5126.1	5407.3	4970.8
55°	632.2	586.1	544.4	498.3	436.5	539.9	942.6	2569.2	5322.9	5653.6	5256.6
57.5°	610.8	566.9	521.9	466.8	403.8	472.4	884.2	2583.8	4954.0	5225.1	4990.0
60°	582.7	526.4	492.7	420.7	369.0	391.5	700.8	2277.9	3842.6	4363.4	4371.3
62.5°	551.2	490.4	461.2	376.8	333.0	337.5	571.4	1914.5	3117.0	3612.0	3826.8
65°	509.6	451.1	416.2	348.7	307.1	292.5	418.5	1402.7	2367.9	2930.3	3174.4
67.5°	455.6	400.5	356.6	303.7	274.5	250.8	285.7	789.7	1398.2	1967.4	2041.7
70°	398.2	351.0	304.8	261.0	228.4	211.5	209.2	349.8	668.2	1058.5	1204.7
72.5°	313.8	280.1	243.0	210.4	189.0	164.2	149.6	145.1	226.1	430.8	595.1
75°	225.0	196.9	175.5	154.1	138.4	124.9	113.6	103.5	94.5	108.0	148.5
77.5°	141.7	131.6	114.7	109.1	100.1	96.7	92.2	86.6	79.9	75.4	75.4
80°	95.6	88.9	83.2	82.1	78.7	77.6	78.7	73.1	66.4	60.7	63.0
82.5°	64.1	63.0	61.9	60.7	61.9	63.0	65.2	64.1	58.5	55.1	56.2
85°	38.2	40.5	42.7	45.0	49.5	43.9	36.0	30.4	27.0	24.7	23.6
87.5°	14.6	20.2	18.0	16.9	18.0	16.9	15.7	14.6	12.4	11.2	11.2
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: P527250

CATALOG NUMBER: GALN-SA2B-730-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4	3444.4
2.5°	3724.5	3747.0	3766.1	3761.6	3722.2	3669.4	3648.0	3538.9	3516.4	3501.7
5°	3775.1	3905.6	3933.7	3916.8	3814.5	3685.1	3559.1	3399.4	3306.0	3302.6
7.5°	3681.7	3842.6	3893.2	3931.5	3795.3	3570.4	3354.4	3114.8	3056.3	3060.8
10°	3444.4	3700.9	3825.7	3865.1	3708.7	3514.1	3214.9	2971.9	2847.1	2844.8
12.5°	3312.8	3514.1	3549.0	3604.1	3558.0	3361.1	3133.9	2861.7	2740.2	2738.0
15°	3195.8	3328.5	3338.6	3416.3	3441.0	3308.3	3155.3	2865.1	2767.2	2757.1
17.5°	3298.1	3205.9	3167.7	3177.8	3250.9	3299.3	3279.0	3056.3	2956.2	2899.9
20°	3366.8	3160.9	3045.0	3056.3	3142.9	3319.5	3463.5	3333.0	3174.4	3181.2
22.5°	3550.1	3167.7	2986.6	2974.2	3111.4	3425.3	3671.6	3682.9	3529.9	3492.7
25°	3824.6	3245.3	2968.6	2965.2	3096.8	3538.9	3914.6	4096.8	3940.5	3871.8
27.5°	4045.1	3366.8	3024.8	3036.0	3142.9	3631.1	4121.6	4363.4	4244.2	4159.8
30°	4238.5	3492.7	3103.5	3051.8	3266.6	3679.5	4210.4	4667.1	4571.5	4501.8
32.5°	4318.4	3671.6	3228.4	3142.9	3369.0	3738.0	4394.9	4961.8	4879.7	4707.6
35°	4453.4	3771.7	3295.9	3289.1	3547.9	3878.6	4481.5	5156.4	5122.7	4969.7
37.5°	4561.4	3873.0	3535.5	3461.3	3793.1	4114.8	4621.0	5425.3	5347.7	5275.7
40°	4644.6	4054.1	3759.3	3857.2	4094.6	4329.7	4749.2	5442.2	5666.0	5456.8
42.5°	4568.1	4216.0	4127.2	4361.2	4586.1	4574.9	4763.9	5572.7	5740.3	5631.1
45°	4549.0	4490.5	4708.7	4921.3	4973.1	4778.5	4659.2	5428.7	5717.8	5669.4
47.5°	4502.9	4760.5	5140.7	5487.2	5408.4	4914.6	4534.4	5402.8	5731.3	5644.6
50°	4487.1	4819.0	5460.2	5797.6	5750.4	5032.7	4475.9	5236.3	5635.6	5627.8
52.5°	4486.0	4939.3	5592.9	5966.4	5995.6	5219.4	4555.8	5320.7	5709.9	5776.3
55°	4536.6	4901.1	5576.0	5873.0	5861.7	5136.2	4564.8	5376.9	5801.0	5866.2
57.5°	4279.0	4390.4	4601.9	4837.0	4776.2	4254.3	4076.6	4970.8	5324.1	5276.8
60°	3695.2	3346.5	3108.0	3096.8	2978.7	2815.6	3336.4	4436.5	4436.5	4390.4
62.5°	3236.3	2196.9	1887.5	1799.8	1884.2	2072.0	3218.3	4315.0	4192.4	4139.6
65°	2830.2	1677.2	1364.5	1339.7	1486.0	1769.4	2910.1	3676.1	3460.1	3284.6
67.5°	1821.2	1228.4	1014.6	970.8	1147.4	1299.2	1937.0	2261.0	2124.9	2056.3
70°	1174.4	799.8	564.7	529.8	598.4	800.9	1237.4	1318.4	1120.4	1074.3
72.5°	555.7	345.3	198.0	163.1	183.4	306.0	489.3	526.4	437.6	400.5
75°	176.6	127.1	81.0	69.7	66.4	78.7	112.5	86.6	63.0	61.9
77.5°	78.7	75.4	64.1	54.0	47.2	39.4	32.6	27.0	28.1	29.2
80°	65.2	59.6	52.9	47.2	39.4	30.4	23.6	18.0	18.0	19.1
82.5°	57.4	51.7	46.1	39.4	33.7	24.7	18.0	12.4	11.2	11.2
85°	24.7	29.2	31.5	33.7	27.0	20.2	12.4	7.9	6.7	6.7
87.5°	10.1	9.0	7.9	6.7	5.6	5.6	4.5	3.4	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)