

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: P527535

Luminaire Tested: **GALN-SA2C-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527535  
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-740-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 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: 7816 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

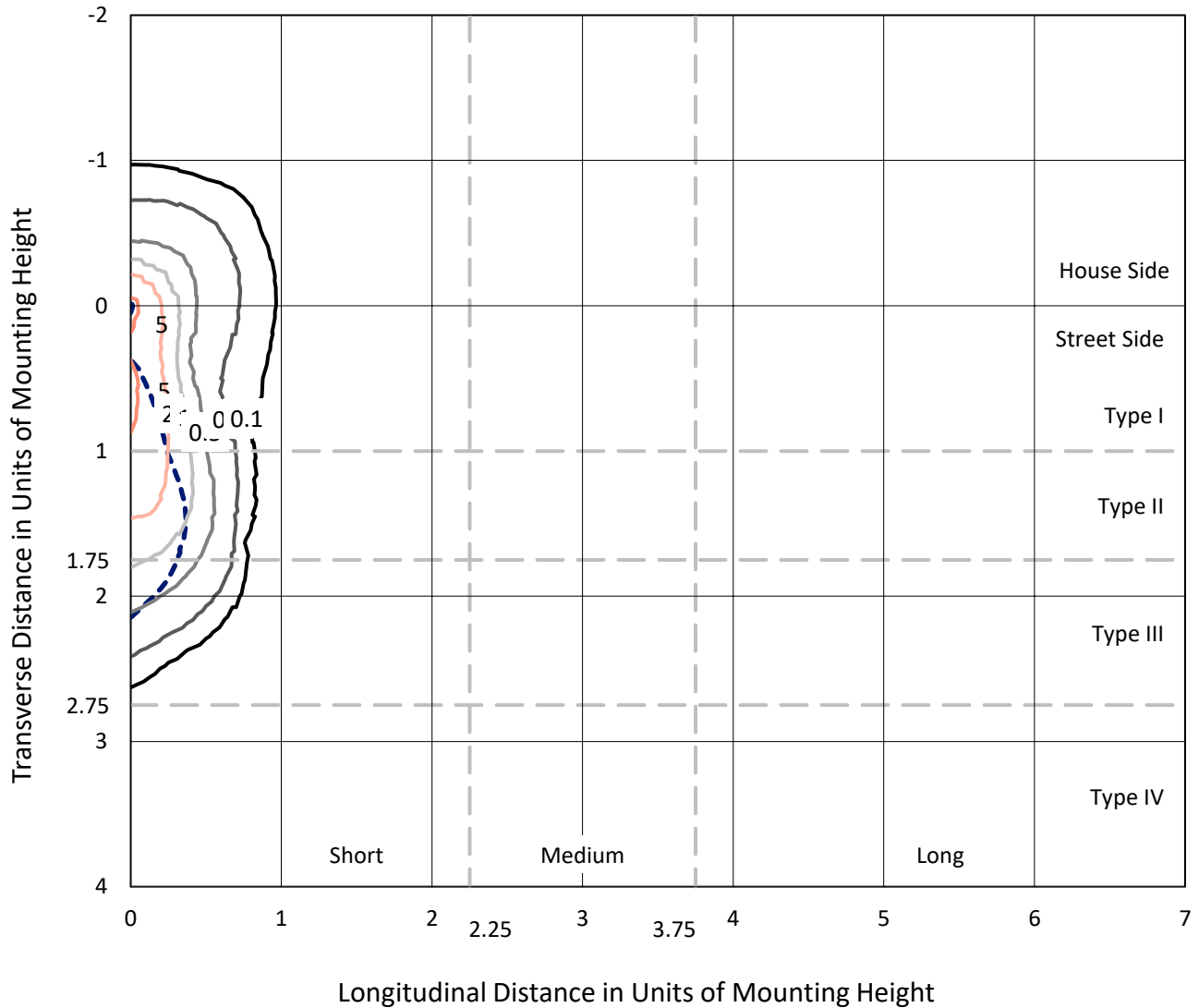
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

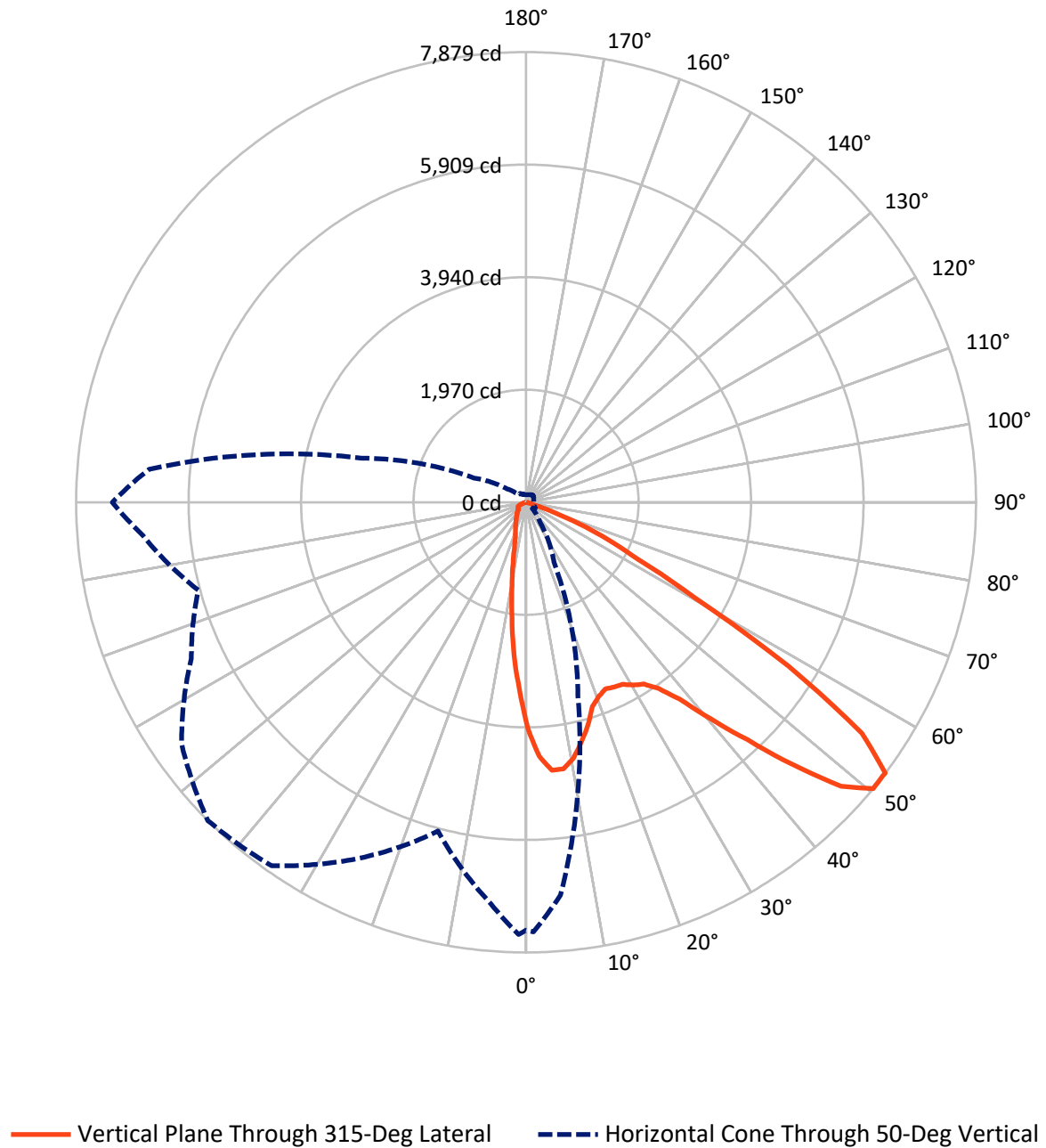
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1565.6	0.0	1565.6
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	6250.5	0.0	6250.5
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	7816.0	0.0	7816.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.9	3.7
10°-20°	574.2	7.3
20°-30°	862.6	11.0
30°-40°	1294.8	16.6
40°-50°	1819.7	23.3
50°-60°	1962.9	25.1
60°-70°	911.4	11.7
70°-80°	85.8	1.1
80°-90°	15.8	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°	7816.0	100.0
0°-180°	7816.0	100.0

**Coefficient of Utilization**



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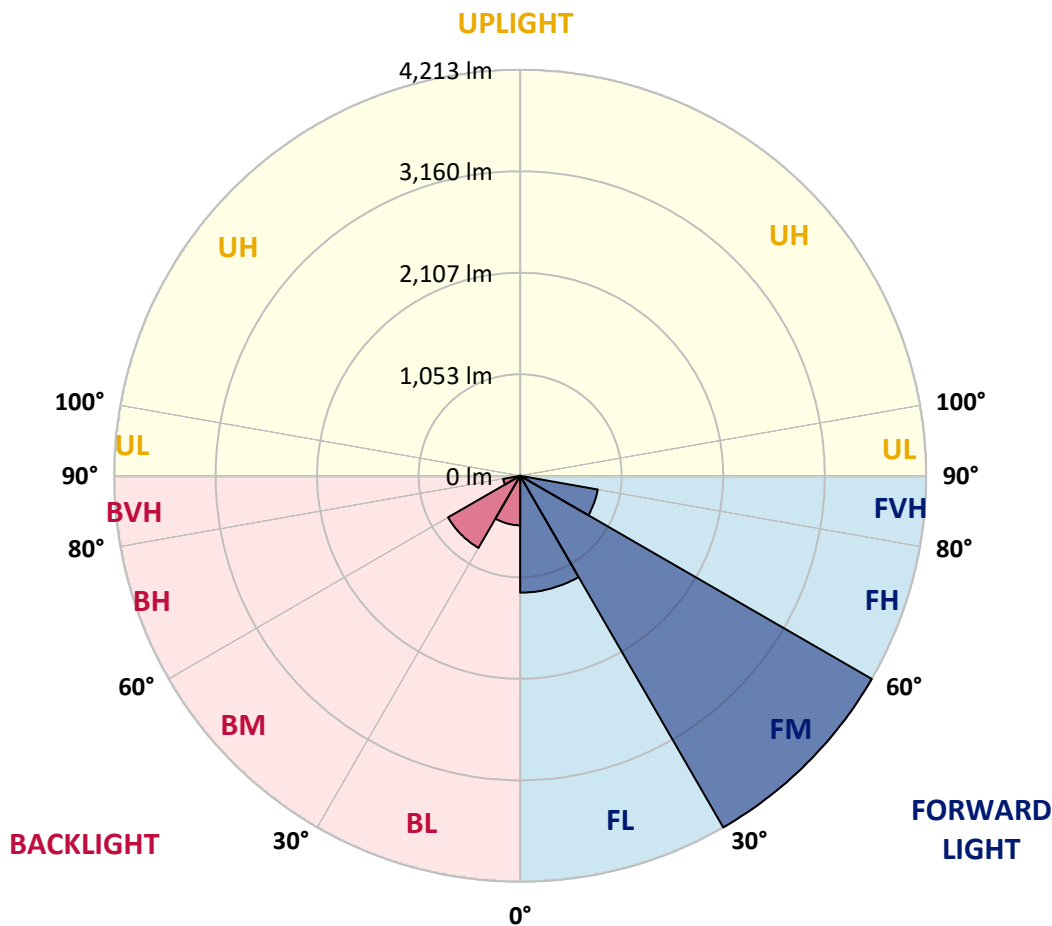
CATALOG NUMBER: GALN-SA2C-740-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1212.6	15.5			
FM (30°-60°)	4213.4	53.9			
FH (60°-80°)	817.3	10.5			G1/1800
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	513.1	6.6	B2/1000		
BM (30°-60°)	864.0	11.1	B1/1000		
BH (60°-80°)	179.8	2.3	B1/500		G1/500
BVH (80°-90°)	8.7	0.1			G0/10
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°	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7
2.5°	4120.3	4056.7	3976.1	3909.4	3810.2	3610.1	3555.9	3490.7	3436.4	3363.6	3261.2
5°	3746.6	3726.4	3689.2	3438.0	3256.6	3014.6	2816.1	2732.4	2622.3	2532.4	2467.2
7.5°	3461.3	3380.6	3262.8	3010.0	2720.0	2461.0	2240.8	2112.1	1966.3	1916.7	1828.3
10°	3155.8	3174.4	3000.7	2645.6	2295.1	2085.7	1949.3	1825.2	1693.4	1606.6	1481.0
12.5°	3058.1	2997.6	2864.2	2425.4	2126.1	1930.7	1764.7	1611.2	1471.7	1332.1	1211.1
15°	3121.6	3028.6	2842.5	2378.8	1995.8	1752.3	1544.5	1336.7	1208.0	1029.7	904.1
17.5°	3349.6	3275.2	3025.5	2428.5	1929.1	1581.8	1273.2	1059.2	862.2	700.9	637.4
20°	3729.5	3624.1	3310.8	2492.0	1829.9	1375.5	1032.8	769.2	583.1	514.8	479.2
22.5°	4101.7	4044.3	3648.9	2614.6	1741.5	1192.5	775.4	517.9	435.8	423.4	400.1
25°	4810.4	4638.3	4165.3	2836.3	1673.3	1020.4	584.6	417.1	369.1	359.8	362.9
27.5°	5232.2	5088.0	4642.9	2983.6	1597.3	888.6	494.7	383.0	350.5	330.3	322.6
30°	5636.9	5469.5	4880.2	3070.5	1434.4	749.0	438.9	367.5	359.8	330.3	321.0
32.5°	5948.6	5784.3	5222.9	3200.7	1367.8	659.1	361.3	286.9	266.7	263.6	291.5
35°	6426.3	6251.0	5516.0	3272.1	1316.6	612.5	313.2	255.9	232.6	223.3	224.9
37.5°	6871.3	6751.9	5787.4	3300.0	1262.3	598.6	280.7	229.5	209.4	203.1	201.6
40°	7243.5	6976.8	6044.8	3329.4	1239.0	572.2	260.5	209.4	195.4	186.1	186.1
42.5°	7414.1	7142.7	6333.2	3312.4	1232.8	530.4	260.5	192.3	181.4	172.1	170.6
45°	7376.9	7266.8	6461.9	3304.6	1232.8	488.5	237.3	187.6	172.1	159.7	156.6
47.5°	7473.0	7328.8	6623.2	3337.2	1208.0	459.0	200.0	196.9	162.8	147.3	144.2
50°	7490.1	7518.0	6903.9	3506.2	1153.8	421.8	156.6	193.8	156.6	133.4	130.3
52°	7601.7	7428.1	6989.2	3596.2	1096.4	393.9	131.8	165.9	150.4	124.1	121.0
52.5°	7448.2	7561.4	7009.4	3628.7	1102.6	375.3	127.2	162.8	147.3	124.1	116.3
55°	7276.1	7384.6	6927.2	3698.5	1011.1	294.6	99.2	117.9	133.4	108.6	103.9
57.5°	6323.9	6434.0	6020.0	3386.8	823.4	207.8	82.2	88.4	117.9	100.8	96.1
60°	5621.4	5542.4	5052.3	2825.5	584.6	116.3	65.1	68.2	128.7	93.0	91.5
62.5°	5137.6	4968.6	4222.7	2181.9	356.7	77.5	51.2	52.7	99.2	86.8	86.8
65°	3800.9	3611.7	2805.3	1319.7	175.2	54.3	38.8	41.9	62.0	74.4	74.4
67.5°	2169.5	2096.6	1355.3	595.5	72.9	34.1	29.5	32.6	48.1	60.5	57.4
70°	997.1	894.8	521.0	125.6	34.1	23.3	23.3	26.4	38.8	45.0	41.9
72.5°	291.5	276.0	127.2	20.2	14.0	14.0	15.5	20.2	29.5	34.1	31.0
75°	21.7	14.0	9.3	6.2	6.2	9.3	12.4	20.2	29.5	32.6	26.4
77.5°	1.6	3.1	1.6	1.6	4.7	9.3	14.0	24.8	38.8	40.3	29.5
80°	1.6	1.6	0.0	1.6	4.7	9.3	15.5	27.9	43.4	46.5	24.8
82.5°	0.0	0.0	0.0	1.6	6.2	12.4	18.6	29.5	40.3	49.6	26.4
85°	0.0	0.0	0.0	1.6	9.3	17.1	21.7	7.8	4.7	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°	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7
2.5°	3334.1	3293.8	3278.3	3292.2	3287.6	3282.9	3368.2	3349.6	3346.5	3374.4	3368.2
5°	2502.9	2431.6	2627.0	2547.9	2630.1	2679.7	2689.0	2693.6	2751.0	2690.5	2769.6
7.5°	1783.4	1802.0	1800.4	1853.1	1947.7	2031.5	2081.1	2042.3	2039.2	2031.5	1997.4
10°	1425.1	1392.6	1386.4	1374.0	1403.4	1474.8	1535.2	1487.2	1453.0	1499.6	1485.6
12.5°	1164.6	1119.6	1094.8	1045.2	1046.8	1094.8	1094.8	1094.8	1128.9	1155.3	1175.5
15°	893.2	856.0	856.0	806.4	795.5	797.1	821.9	825.0	879.3	894.8	902.5
17.5°	624.9	604.8	628.1	648.2	635.8	638.9	648.2	651.3	659.1	652.9	668.4
20°	480.7	477.6	483.8	519.5	545.9	561.4	550.5	535.0	525.7	504.0	504.0
22.5°	407.8	414.0	424.9	454.4	488.5	497.8	485.4	449.7	421.8	418.7	420.3
25°	362.9	369.1	386.1	404.7	423.4	438.9	426.5	400.1	384.6	370.6	370.6
27.5°	335.0	338.1	347.4	361.3	376.8	389.2	384.6	370.6	353.6	347.4	333.4
30°	313.2	317.9	328.8	331.9	345.8	352.0	344.3	341.2	330.3	322.6	317.9
32.5°	302.4	300.8	308.6	311.7	313.2	317.9	308.6	313.2	311.7	299.3	294.6
35°	228.0	240.4	260.5	277.6	282.2	288.4	286.9	280.7	263.6	249.7	232.6
37.5°	204.7	212.5	223.3	237.3	255.9	263.6	260.5	245.0	224.9	215.6	212.5
40°	189.2	193.8	203.1	212.5	231.1	245.0	234.2	220.2	204.7	196.9	192.3
42.5°	175.2	176.8	181.4	190.7	204.7	226.4	207.8	189.2	183.0	178.3	175.2
45°	159.7	159.7	165.9	170.6	186.1	206.2	187.6	170.6	167.5	164.4	162.8
47.5°	147.3	148.9	152.0	158.2	170.6	184.5	172.1	158.2	150.4	148.9	145.8
50°	131.8	133.4	139.6	145.8	161.3	169.0	161.3	145.8	138.0	133.4	133.4
52°	119.4	124.1	130.3	142.7	153.5	165.9	156.6	139.6	130.3	125.6	122.5
52.5°	117.9	121.0	127.2	141.1	153.5	164.4	155.1	138.0	127.2	124.1	121.0
55°	105.5	110.1	121.0	138.0	152.0	164.4	152.0	136.5	121.0	113.2	110.1
57.5°	100.8	103.9	117.9	139.6	150.4	164.4	152.0	136.5	121.0	107.0	103.9
60°	96.1	102.3	117.9	134.9	148.9	165.9	153.5	134.9	117.9	100.8	100.8
62.5°	91.5	96.1	116.3	131.8	142.7	159.7	147.3	131.8	113.2	96.1	94.6
65°	79.1	86.8	102.3	110.1	122.5	138.0	125.6	114.8	99.2	85.3	83.7
67.5°	60.5	63.6	76.0	85.3	93.0	107.0	100.8	86.8	76.0	65.1	65.1
70°	41.9	45.0	54.3	58.9	66.7	74.4	69.8	58.9	51.2	45.0	43.4
72.5°	29.5	31.0	34.1	37.2	40.3	43.4	41.9	34.1	29.5	27.9	26.4
75°	23.3	26.4	27.9	26.4	24.8	23.3	23.3	20.2	17.1	15.5	15.5
77.5°	23.3	24.8	23.3	20.2	17.1	15.5	14.0	12.4	9.3	7.8	9.3
80°	20.2	20.2	20.2	17.1	15.5	14.0	12.4	10.9	9.3	7.8	7.8
82.5°	21.7	21.7	20.2	17.1	17.1	14.0	14.0	12.4	10.9	7.8	7.8
85°	0.0	0.0	0.0	3.1	7.8	14.0	14.0	12.4	10.9	9.3	9.3
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	7.8	9.3	9.3	9.3
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°	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7
2.5°	3424.0	3483.0	3594.6	3706.3	3774.5	3855.1	4000.9	4078.5	4179.3	4228.9	4326.6
5°	2758.8	2898.3	2948.0	3075.1	3211.6	3348.1	3565.2	3804.0	4002.5	4138.9	4315.7
7.5°	2012.9	2045.4	2237.7	2323.0	2546.3	2794.4	3090.6	3391.5	3642.7	3866.0	4000.9
10°	1508.9	1628.3	1749.2	1912.1	2092.0	2347.8	2631.6	2963.5	3289.1	3512.4	3683.0
12.5°	1212.7	1307.3	1468.6	1643.8	1865.5	2034.6	2319.9	2648.7	3070.5	3289.1	3514.0
15°	918.0	1039.0	1222.0	1403.4	1637.6	1815.9	2104.4	2518.4	3061.2	3362.0	3555.9
17.5°	680.8	763.0	927.3	1130.5	1369.3	1620.5	2009.8	2504.4	3165.1	3523.3	3723.3
20°	521.0	549.0	652.9	834.3	1093.3	1422.0	1856.2	2564.9	3472.1	3915.6	4118.8
22.5°	421.8	434.2	474.5	600.1	851.4	1248.3	1783.4	2606.8	3817.9	4385.5	4656.9
25°	367.5	364.4	390.8	445.1	665.3	1085.5	1690.3	2765.0	4241.3	4937.6	5181.0
27.5°	335.0	335.0	347.4	386.1	552.1	980.1	1631.4	2878.2	4667.7	5422.9	5554.8
30°	317.9	321.0	356.7	369.1	459.0	854.5	1533.7	2992.9	5075.6	5733.1	5914.5
32.5°	294.6	282.2	274.5	305.5	386.1	741.3	1436.0	3041.0	5405.9	6113.0	6268.1
35°	226.4	220.2	229.5	252.8	331.9	645.1	1327.4	3095.3	5785.8	6553.4	6584.5
37.5°	204.7	203.1	209.4	229.5	279.1	561.4	1249.9	3081.3	6075.8	6917.9	6834.1
40°	189.2	189.2	193.8	210.9	249.7	502.4	1169.3	3068.9	6356.5	7327.3	7082.2
42.5°	176.8	176.8	184.5	195.4	237.3	463.7	1108.8	3051.9	6592.2	7578.5	7228.0
45°	159.7	164.4	176.8	187.6	240.4	437.3	1063.8	2986.7	6672.8	7575.4	7158.2
47.5°	147.3	153.5	165.9	181.4	217.1	429.6	1032.8	2929.4	6644.9	7389.3	6939.6
50°	133.4	141.1	158.2	184.5	184.5	414.0	1000.2	2980.5	6624.8	7245.1	6730.2
52°	124.1	130.3	152.0	179.9	161.3	381.5	980.1	3079.8	6707.0	7226.5	6637.2
52.5°	122.5	127.2	147.3	176.8	153.5	375.3	966.1	3103.0	6733.3	7179.9	6700.8
55°	108.6	114.8	134.9	138.0	125.6	308.6	921.1	3155.8	6603.1	7088.4	6640.3
57.5°	102.3	105.5	119.4	113.2	108.6	232.6	792.4	3073.6	5864.9	6296.0	6178.2
60°	94.6	97.7	111.7	88.4	91.5	162.8	595.5	2668.8	4709.6	5246.2	5458.6
62.5°	91.5	89.9	105.5	71.3	77.5	117.9	420.3	2169.5	3628.7	4318.8	4686.3
65°	80.6	79.1	76.0	60.5	66.7	91.5	251.2	1415.8	2557.2	3267.4	3469.0
67.5°	62.0	65.1	55.8	48.1	55.8	71.3	139.6	634.3	1341.4	1960.1	2123.0
70°	43.4	46.5	45.0	41.9	49.6	58.9	80.6	217.1	555.2	1029.7	1135.1
72.5°	26.4	32.6	34.1	35.7	43.4	51.2	57.4	69.8	147.3	364.4	452.8
75°	15.5	21.7	26.4	31.0	35.7	43.4	48.1	49.6	51.2	68.2	110.1
77.5°	10.9	15.5	23.3	29.5	35.7	43.4	51.2	54.3	51.2	48.1	51.2
80°	9.3	15.5	21.7	27.9	37.2	45.0	51.2	51.2	49.6	43.4	46.5
82.5°	9.3	15.5	23.3	29.5	35.7	43.4	49.6	51.2	46.5	43.4	45.0
85°	10.9	17.1	24.8	31.0	38.8	35.7	32.6	26.4	24.8	20.2	21.7
87.5°	10.9	15.5	15.5	17.1	18.6	18.6	18.6	17.1	14.0	12.4	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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CATALOG NUMBER: GALN-SA2C-740-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7	3963.7
2.5°	4331.2	4455.3	4450.6	4453.7	4435.1	4309.5	4249.0	4095.5	4138.9	4120.3
5°	4497.2	4619.7	4725.1	4712.7	4570.0	4399.5	4146.7	3907.9	3842.7	3746.6
7.5°	4331.2	4625.9	4723.6	4709.6	4498.7	4280.0	3876.9	3638.0	3524.8	3461.3
10°	4067.6	4408.8	4529.7	4554.5	4411.9	4080.0	3709.4	3326.3	3265.9	3155.8
12.5°	3917.2	4165.3	4239.7	4306.4	4256.8	4008.7	3582.2	3214.7	3130.9	3058.1
15°	3794.7	3942.0	3973.0	4049.0	4078.5	3945.1	3648.9	3335.6	3129.4	3121.6
17.5°	3907.9	3847.4	3734.2	3757.4	3850.5	3946.6	3821.0	3574.5	3374.4	3349.6
20°	4095.5	3828.8	3572.9	3630.3	3707.8	4002.5	4081.6	3907.9	3793.1	3729.5
22.5°	4311.1	3861.3	3521.7	3549.6	3697.0	4128.1	4503.4	4407.2	4193.2	4101.7
25°	4709.6	3951.3	3562.1	3580.7	3782.3	4303.3	4884.8	4956.2	4829.0	4810.4
27.5°	5098.8	4183.9	3650.4	3608.6	3825.7	4473.9	5115.9	5498.9	5275.6	5232.2
30°	5297.3	4373.1	3782.3	3710.9	4005.6	4577.8	5255.5	5852.5	5657.1	5636.9
32.5°	5601.3	4545.2	3884.6	3793.1	4106.4	4706.5	5516.0	6238.6	6049.4	5948.6
35°	5728.4	4732.9	4109.5	4002.5	4394.8	4886.4	5649.4	6582.9	6524.0	6426.3
37.5°	5973.5	4934.5	4374.6	4368.4	4743.7	5120.6	5889.7	7051.2	7040.4	6871.3
40°	5993.6	5154.7	4793.3	4988.7	5283.4	5528.4	6100.6	7181.5	7358.3	7243.5
42.5°	6024.6	5540.8	5517.5	5678.8	5931.6	5878.9	6108.4	7212.5	7482.3	7414.1
45°	6038.6	5926.9	6254.1	6551.9	6657.3	6337.9	6035.5	7153.6	7547.5	7376.9
47.5°	5926.9	6258.8	6849.6	7425.0	7456.0	6620.1	6004.5	7093.1	7586.2	7473.0
50°	5942.4	6466.6	7364.5	7879.3	7766.1	6869.8	5956.4	7055.9	7566.1	7490.1
52°	5905.2	6471.2	7437.4	7870.0	7790.9	6731.8	5874.2	6913.2	7547.5	7601.7
52.5°	5947.1	6443.3	7361.4	7876.2	7773.9	6800.0	5863.4	6992.3	7558.3	7448.2
55°	5802.9	6111.5	6916.3	7135.0	7119.5	6172.0	5529.9	6730.2	7274.5	7276.1
57.5°	5244.6	5297.3	5424.5	5419.8	5348.5	4852.3	4729.8	6189.0	6485.2	6323.9
60°	4621.2	3878.4	3535.7	3396.1	3317.0	3236.4	4183.9	5661.8	5689.7	5621.4
62.5°	3993.2	2689.0	2233.1	2194.3	2212.9	2507.6	4044.3	5452.4	5284.9	5137.6
65°	3222.4	1960.1	1622.1	1570.9	1752.3	2070.2	3273.6	4180.8	3923.4	3800.9
67.5°	2023.7	1429.8	1096.4	1000.2	1218.9	1425.1	2150.9	2627.0	2338.5	2169.5
70°	1200.3	798.6	496.2	445.1	500.9	759.9	1204.9	1310.4	1084.0	997.1
72.5°	473.0	293.1	138.0	117.9	122.5	266.7	443.5	432.7	327.2	291.5
75°	127.2	88.4	48.1	38.8	32.6	49.6	71.3	46.5	17.1	21.7
77.5°	58.9	52.7	41.9	32.6	24.8	18.6	9.3	3.1	3.1	1.6
80°	51.2	45.0	38.8	32.6	24.8	15.5	7.8	1.6	1.6	1.6
82.5°	48.1	41.9	35.7	29.5	23.3	15.5	7.8	1.6	0.0	0.0
85°	20.2	26.4	29.5	27.9	24.8	15.5	7.8	1.6	0.0	0.0
87.5°	10.9	9.3	7.8	6.2	4.7	3.1	3.1	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)