

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: P455132

Luminaire Tested: **GALN-SA6B-740-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24232 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

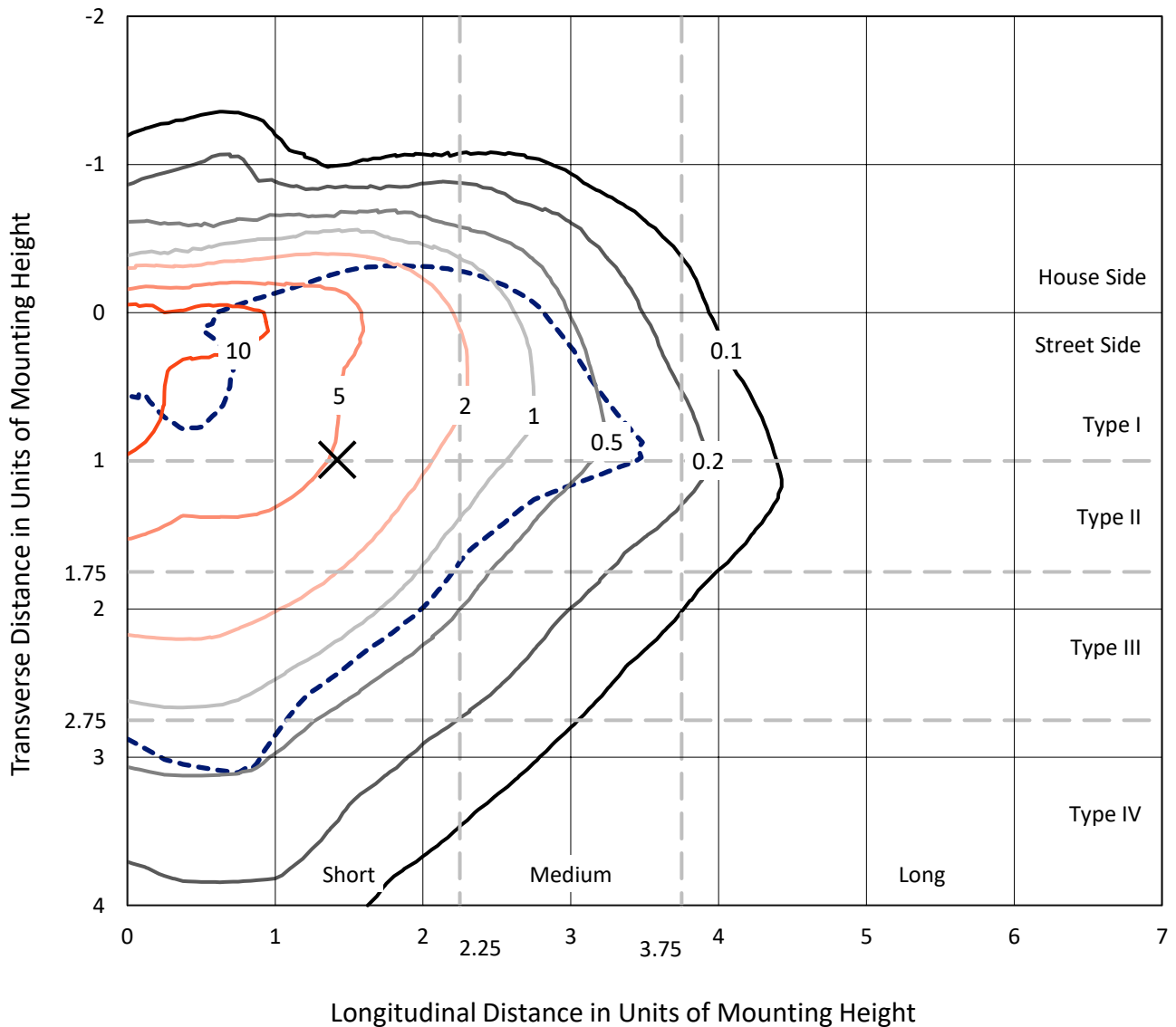
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

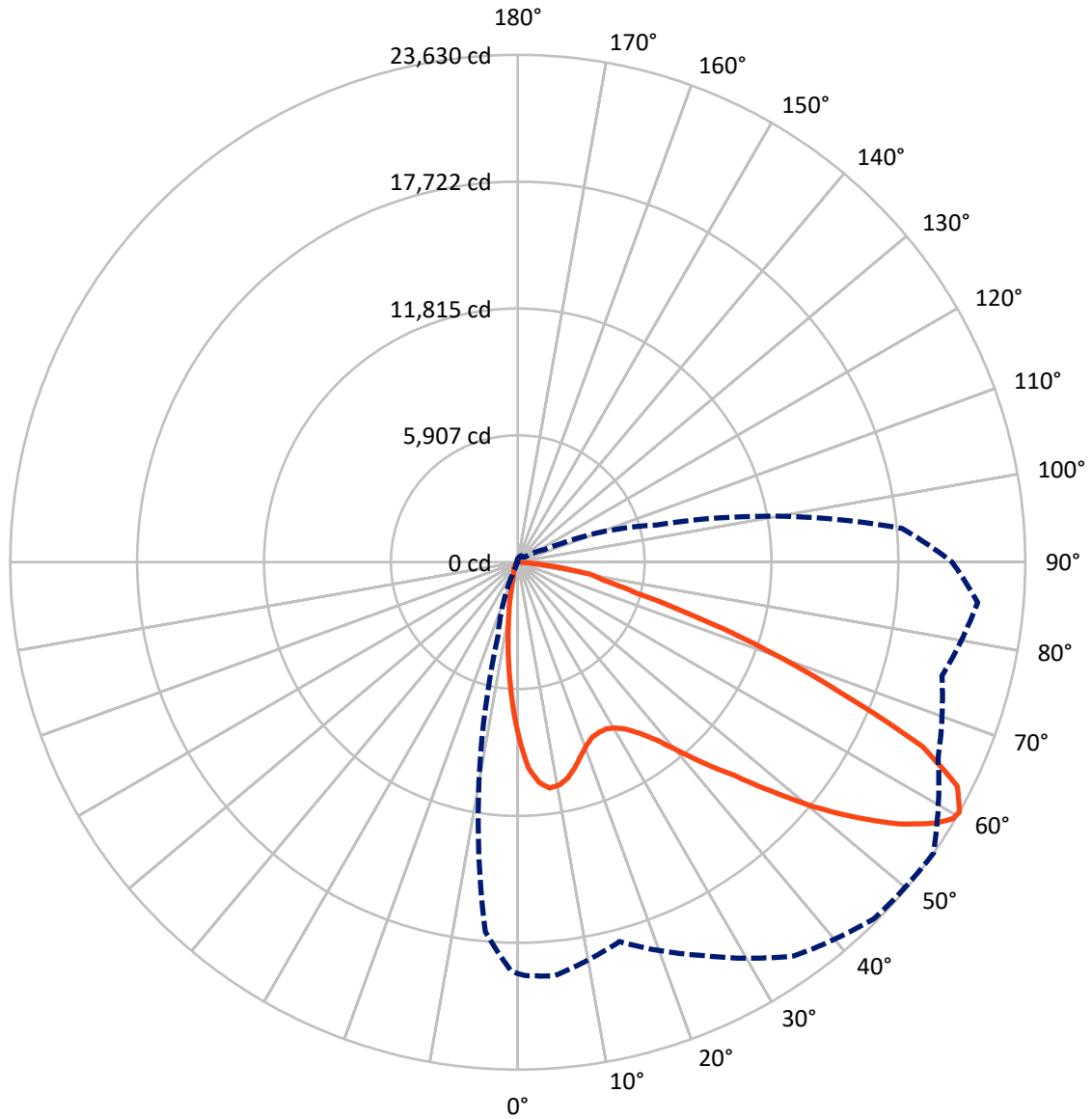
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3596.2	0.0	3596.2
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	20635.8	0.0	20635.8
	% Fixture	85.2	0.0	85.2
Total	Lumens	24232.0	0.0	24232.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.6	2.5
10°-20°	1196.5	4.9
20°-30°	1771.0	7.3
30°-40°	2639.9	10.9
40°-50°	3866.1	16.0
50°-60°	5581.4	23.0
60°-70°	5871.4	24.2
70°-80°	2415.3	10.0
80°-90°	282.9	1.2
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°	24232.0	100.0
0°-180°	24232.0	100.0

Coefficient of Utilization



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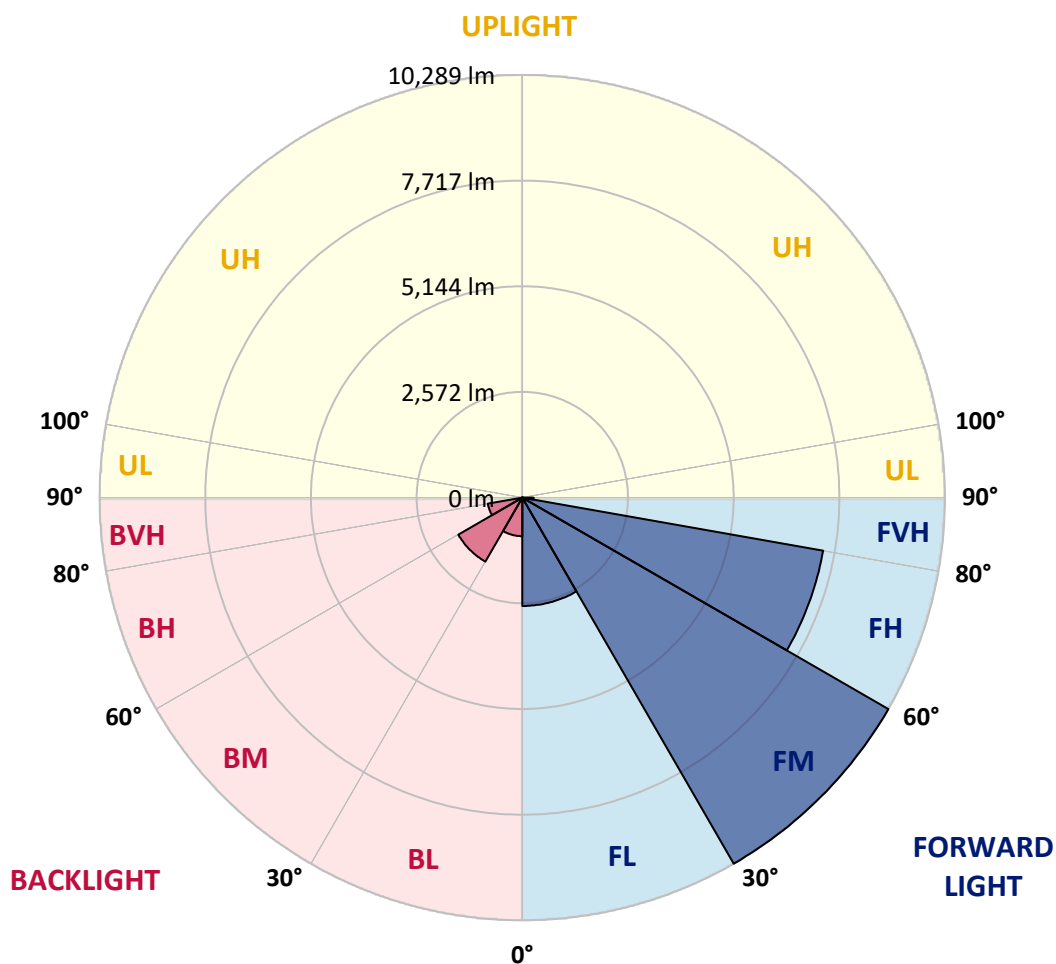
CATALOG NUMBER: GALN-SA6B-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2636.8	10.9			
FM (30°-60°)	10288.9	42.5			
FH (60°-80°)	7435.5	30.7			G3/7500
FVH (80°-90°)	274.6	1.1			G3/500
BL (0°-30°)	938.3	3.9	B2/1000		
BM (30°-60°)	1798.4	7.4	B2/2500		
BH (60°-80°)	851.2	3.5	B2/1000		G2/1000
BVH (80°-90°)	8.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9
2.5°	8964.0	8949.1	9081.5	9297.9	9516.1	9629.9	9607.5	9598.2	9417.2	9284.8	9006.9
5°	8945.4	9021.8	9258.7	9844.4	10288.3	10502.8	10566.2	10299.5	9947.0	9435.9	8805.5
7.5°	8410.1	8505.2	8891.3	9807.1	10596.0	11062.3	11045.5	10618.4	9891.0	9100.2	8201.2
10°	7746.1	7858.0	8311.2	9422.8	10446.8	11062.3	11095.9	10555.0	9650.4	8635.7	7690.1
12.5°	7277.9	7410.3	7912.1	9064.7	10062.6	10668.8	10707.9	10316.3	9469.5	8456.7	7412.2
15°	7119.4	7244.3	7753.5	8883.8	9654.1	9980.5	9971.2	9930.2	9398.6	8499.6	7427.1
17.5°	7391.7	7494.3	8068.7	8965.9	9271.8	9238.2	9286.7	9484.4	9413.5	8859.6	7897.1
20°	8094.8	8199.3	8816.7	9217.7	8978.9	8766.3	8788.7	9118.8	9551.5	9536.6	8632.0
22.5°	9062.9	9240.1	9799.6	9706.4	8939.8	8473.5	8426.8	8855.8	9786.6	10316.3	9624.3
25°	10288.3	10467.3	10903.8	10486.0	9131.9	8404.5	8361.6	8775.6	10071.9	11077.3	10741.5
27.5°	11317.9	11454.0	11888.6	11245.1	9415.4	8434.3	8363.4	8786.8	10303.2	11724.5	11683.4
30°	12142.3	12243.0	12498.5	11599.5	9659.7	8564.9	8482.8	8951.0	10405.8	12039.7	12446.3
32.5°	12806.3	12976.0	13056.2	11978.1	10010.4	8811.1	8671.2	9266.2	10655.7	12429.5	13246.4
35°	13565.4	13761.2	13658.6	12340.0	10472.9	9195.3	9023.7	9777.2	11034.4	12789.5	14175.3
37.5°	14527.8	14753.5	14352.5	12720.5	10961.6	9773.5	9693.3	10495.3	11608.8	13304.3	15171.3
40°	15523.8	15654.4	15025.8	13183.0	11562.2	10614.7	10691.2	11562.2	12360.5	13921.6	16230.7
42.5°	16301.6	16424.7	15717.8	13571.0	12175.8	11612.6	11931.5	12849.2	13222.2	14553.9	17021.6
45°	16896.6	17001.0	16197.1	13994.4	13004.0	13058.1	13660.5	14175.3	14085.8	14940.0	17631.5
47.5°	17359.1	17448.7	16566.5	14449.5	14244.3	14826.2	15747.6	15965.9	14981.1	15357.8	18183.6
50°	17549.4	17575.5	16682.1	15029.5	15652.5	17079.4	18039.9	17907.5	16006.9	15822.2	18771.1
52.5°	17797.5	17791.9	17012.2	15581.6	16976.8	19093.8	20052.5	19752.2	17167.0	16518.0	19431.4
55°	18448.4	18455.9	17719.1	16365.0	18105.2	20720.2	21746.0	21527.8	18390.6	17693.0	20201.7
57.5°	19239.2	19267.2	18724.5	17280.8	19183.3	21899.0	23010.6	22926.7	20045.0	19000.5	20929.1
59°	19341.8	19397.8	19200.1	17926.2	19823.0	22260.8	23443.3	23525.4	20931.0	19862.2	21322.6
60°	19155.3	19248.6	19338.1	18291.7	20197.9	22391.4	23469.4	23629.9	21596.8	20447.9	21501.7
62.5°	18342.1	18489.4	18938.9	19416.4	20666.1	21984.8	22635.7	22971.4	22421.2	21986.6	21518.5
65°	17277.1	17353.6	18002.6	19616.0	19757.8	20086.0	20287.5	20718.3	21430.8	22579.8	20748.2
67.5°	15531.3	15757.0	16551.5	18457.7	17077.5	16689.6	16639.2	16210.2	18060.5	21166.0	18849.4
70°	12830.5	12931.2	13910.4	15132.1	12888.3	12291.5	12530.2	12369.8	14000.0	18220.9	15171.3
72.5°	9702.6	9930.2	10887.0	12062.1	8770.0	7996.0	8654.4	8594.7	10515.8	14643.5	10422.6
75°	6903.0	7050.3	8270.2	9439.6	6142.0	5203.8	5440.7	5662.7	7341.3	11562.2	6158.8
77.5°	4743.1	4870.0	5785.8	6242.7	4480.1	4291.8	3926.2	4140.7	4810.3	6860.1	3351.7
80°	2861.2	2855.6	3458.0	3569.9	3120.4	3624.0	3040.2	3413.3	2907.8	2935.8	1298.2
82.5°	1857.7	1839.1	2115.1	2305.4	1736.5	1826.0	1225.4	1766.3	1895.0	818.8	410.3
85°	831.9	867.3	1016.5	1341.1	761.0	404.7	249.9	542.8	807.6	412.2	0.0
87.5°	85.8	67.1	179.1	326.4	104.4	11.2	37.3	18.7	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°	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9
2.5°	8878.2	8770.0	8447.4	8145.2	7885.9	7568.9	7363.7	7041.0	6845.2	6785.5	6794.8
5°	8522.0	8210.5	7596.8	7106.3	6559.8	6248.3	5774.6	5319.5	5073.3	4981.9	4940.8
7.5°	7775.9	7442.0	6701.6	5931.2	5345.6	4799.1	4446.6	4045.6	3771.4	3545.7	3506.5
10°	7221.9	6783.6	5866.0	5037.8	4575.3	4164.9	3812.4	3411.4	3088.7	2831.3	2760.5
12.5°	6889.9	6399.4	5375.4	4681.6	4243.3	3821.7	3362.9	2898.5	2568.3	2290.4	2161.7
15°	6830.3	6261.4	5237.4	4426.1	3885.2	3376.0	2766.0	2264.3	1924.9	1661.9	1581.7
17.5°	7190.2	6509.4	5216.9	4159.3	3417.0	2695.2	2061.0	1645.1	1262.7	1115.4	1057.6
20°	7831.9	6947.8	5215.0	3849.7	2935.8	2075.9	1447.4	1072.5	917.7	846.8	813.2
22.5°	8706.6	7544.6	5313.9	3583.0	2435.9	1531.3	1033.3	854.2	764.7	706.9	693.8
25°	9775.4	8428.7	5556.3	3402.1	2053.6	1201.2	852.4	731.1	656.5	630.4	619.2
27.5°	10724.7	9275.5	5823.1	3215.6	1779.4	1063.1	790.8	669.6	609.9	589.4	572.6
30°	11543.5	10043.9	5951.8	2969.4	1559.3	973.6	802.0	716.2	637.9	576.3	548.4
32.5°	12226.2	10633.3	6035.7	2745.5	1372.8	796.4	634.2	554.0	518.5	496.1	477.5
35°	13080.4	11271.2	5985.3	2618.7	1277.6	725.6	578.2	477.5	417.8	373.0	354.4
37.5°	13975.7	11909.1	5897.7	2514.3	1234.7	673.3	550.2	453.2	388.0	341.3	317.1
40°	14902.7	12500.4	5795.1	2417.3	1195.6	639.8	533.4	432.7	367.4	317.1	291.0
42.5°	15751.4	13076.7	5754.1	2353.8	1132.2	645.3	520.4	423.4	346.9	294.7	272.3
45°	16437.8	13623.2	5810.0	2320.3	1063.1	636.0	524.1	412.2	330.1	279.8	257.4
47.5°	17170.8	14395.4	5990.9	2286.7	996.0	591.3	552.1	410.3	322.7	270.4	246.2
50°	18023.1	15383.9	6405.0	2204.6	913.9	542.8	587.5	408.5	313.3	259.3	235.0
52.5°	19159.0	16506.8	6832.1	2061.0	794.6	496.1	561.4	402.9	294.7	246.2	222.0
55°	20179.3	17689.3	7194.0	1891.3	643.5	429.0	505.5	378.6	263.0	223.8	201.4
57.5°	20600.8	18357.0	7182.8	1656.3	514.8	376.8	415.9	346.9	229.4	197.7	179.1
59°	20446.0	18273.1	6942.2	1482.8	470.0	348.8	345.1	343.2	214.5	179.1	164.1
60°	20227.8	17967.2	6682.9	1397.0	442.0	330.1	317.1	339.5	201.4	167.9	152.9
62.5°	19392.2	16698.9	5823.1	1251.5	404.7	279.8	253.7	287.2	179.1	145.5	132.4
65°	18181.7	14749.8	4929.6	1210.5	393.6	231.3	210.8	205.2	152.9	123.1	111.9
67.5°	15820.4	12481.7	3993.3	1182.5	397.3	194.0	184.7	154.8	126.8	102.6	95.1
70°	12666.4	9732.5	3269.6	1150.8	401.0	158.5	154.8	123.1	102.6	85.8	78.3
72.5°	7695.7	5769.0	2573.9	999.7	389.8	126.8	138.0	93.3	74.6	61.6	57.8
75°	4758.1	3948.6	1596.6	777.8	257.4	93.3	97.0	57.8	50.4	39.2	39.2
77.5°	2756.7	2493.7	570.7	279.8	113.8	56.0	42.9	29.8	28.0	16.8	16.8
80°	1143.3	915.8	197.7	95.1	61.6	26.1	9.3	1.9	0.0	0.0	0.0
82.5°	333.9	296.6	54.1	42.9	18.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9
2.5°	6636.3	6574.7	6546.8	6641.9	6554.2	6666.1	6580.3	6617.6	6727.7	6776.2	6901.1
5°	4967.0	4903.5	4873.7	5017.3	5009.8	5080.7	5073.3	5138.5	5194.5	5069.5	5198.2
7.5°	3459.9	3417.0	3487.9	3599.8	3719.2	3680.0	3680.0	3592.3	3622.2	3603.5	3597.9
10°	2631.8	2484.4	2447.1	2443.4	2488.1	2497.5	2447.1	2325.9	2370.6	2383.7	2462.0
12.5°	2070.3	1956.6	1783.1	1704.8	1684.2	1701.0	1535.0	1428.7	1479.1	1449.2	1525.7
15°	1484.7	1391.4	1288.8	1201.2	1176.9	1143.3	962.4	835.6	820.7	826.3	839.3
17.5°	1059.4	996.0	996.0	902.7	852.4	751.7	660.3	604.3	598.7	604.3	613.6
20°	781.5	747.9	744.2	720.0	664.0	596.9	533.4	522.2	518.5	527.8	531.6
22.5°	673.3	637.9	608.0	606.2	554.0	498.0	468.2	453.2	455.1	458.8	468.2
25°	602.5	565.1	533.4	514.8	477.5	438.3	410.3	402.9	402.9	408.5	410.3
27.5°	552.1	505.5	477.5	451.4	417.8	384.2	360.0	354.4	350.7	354.4	363.7
30°	516.7	470.0	434.6	395.4	369.3	337.6	317.1	309.6	307.8	309.6	317.1
32.5°	442.0	414.1	386.1	350.7	318.9	298.4	276.0	263.0	263.0	266.7	274.2
35°	333.9	318.9	317.1	307.8	281.6	259.3	233.1	220.1	220.1	227.6	231.3
37.5°	294.7	266.7	263.0	259.3	248.1	218.2	194.0	182.8	180.9	186.5	194.0
40°	268.6	236.9	220.1	216.4	218.2	184.7	158.5	147.3	147.3	149.2	156.7
42.5°	248.1	210.8	180.9	177.2	184.7	154.8	128.7	117.5	117.5	117.5	126.8
45°	231.3	188.4	152.9	134.3	145.5	126.8	104.4	93.3	89.5	93.3	97.0
47.5°	220.1	171.6	134.3	108.2	108.2	100.7	83.9	70.9	67.1	69.0	74.6
50°	210.8	156.7	113.8	87.7	78.3	80.2	63.4	54.1	50.4	50.4	56.0
52.5°	195.8	141.8	98.9	74.6	59.7	54.1	46.6	39.2	37.3	39.2	42.9
55°	177.2	128.7	85.8	61.6	46.6	37.3	33.6	28.0	26.1	28.0	33.6
57.5°	156.7	108.2	69.0	48.5	31.7	24.2	22.4	18.7	14.9	16.8	20.5
59°	143.6	97.0	59.7	39.2	24.2	16.8	16.8	13.1	9.3	11.2	16.8
60°	138.0	89.5	50.4	33.6	20.5	13.1	13.1	9.3	5.6	7.5	13.1
62.5°	117.5	74.6	39.2	20.5	9.3	1.9	5.6	1.9	0.0	1.9	5.6
65°	98.9	59.7	26.1	9.3	0.0	0.0	0.0	0.0	0.0	0.0	1.9
67.5°	82.1	44.8	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	65.3	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	44.8	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	28.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P455132

CATALOG NUMBER: GALN-SA6B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9	8204.9
2.5°	6908.6	7175.3	7339.4	7649.1	7966.1	8210.5	8516.4	8790.6	8904.3	8964.0
5°	5328.8	5700.0	6015.2	6487.1	6925.4	7458.8	7999.7	8637.6	8881.9	8945.4
7.5°	3739.7	4118.3	4448.4	4994.9	5619.8	6334.1	7143.6	7953.1	8309.3	8410.1
10°	2700.8	3105.5	3508.4	4054.9	4638.7	5412.7	6255.8	7257.4	7667.7	7746.1
12.5°	1704.8	2139.4	2794.0	3469.2	4086.6	4709.6	5591.8	6681.0	7134.3	7277.9
15°	988.5	1313.1	1807.4	2687.7	3472.9	4297.4	5259.8	6464.7	6972.0	7119.4
17.5°	662.1	774.0	1113.5	1786.8	2823.9	3916.9	5175.9	6641.9	7203.3	7391.7
20°	557.7	608.0	727.4	1089.3	2174.8	3577.4	5198.2	7123.1	7859.8	8094.8
22.5°	490.5	537.2	613.6	783.4	1518.2	3155.9	5304.5	7811.3	8762.6	9062.9
25°	432.7	479.3	546.5	649.1	1020.2	2669.1	5537.7	8818.5	9958.1	10288.3
27.5°	384.2	427.1	484.9	572.6	785.2	2126.3	5744.7	9799.6	11049.3	11317.9
30°	339.5	374.9	430.9	498.0	652.8	1639.5	5849.2	10657.6	11843.8	12142.3
32.5°	294.7	328.3	382.4	436.5	537.2	1249.7	5776.4	11288.0	12616.0	12806.3
35°	251.8	287.2	332.0	382.4	464.4	1009.1	5412.7	11996.8	13416.2	13565.4
37.5°	216.4	246.2	292.8	332.0	419.7	807.6	4972.5	12634.7	14313.3	14527.8
40°	182.8	212.6	259.3	294.7	386.1	636.0	4575.3	13343.4	15259.0	15523.8
42.5°	149.2	184.7	225.7	283.5	332.0	484.9	4094.1	13917.9	15969.6	16301.6
45°	119.4	158.5	203.3	281.6	289.1	369.3	3629.6	14365.5	16598.2	16896.6
47.5°	95.1	134.3	195.8	263.0	236.9	292.8	3364.8	14833.7	17120.4	17359.1
50°	76.5	111.9	205.2	231.3	197.7	248.1	3357.3	15356.0	17390.9	17549.4
52.5°	61.6	91.4	173.5	177.2	167.9	218.2	3558.7	15943.5	17666.9	17797.5
55°	52.2	76.5	113.8	130.6	151.1	197.7	3709.8	16848.1	18325.3	18448.4
57.5°	41.0	65.3	87.7	104.4	134.3	180.9	3730.3	17545.7	19159.0	19239.2
59°	35.4	56.0	78.3	93.3	123.1	169.7	3646.4	17588.6	19213.1	19341.8
60°	29.8	50.4	69.0	87.7	113.8	160.4	3555.0	17277.1	19011.7	19155.3
62.5°	22.4	39.2	50.4	70.9	93.3	138.0	3122.3	16189.7	18241.4	18342.1
65°	14.9	28.0	37.3	52.2	72.7	119.4	2544.1	14779.6	17051.4	17277.1
67.5°	9.3	20.5	29.8	39.2	59.7	100.7	1812.9	12673.8	15385.8	15531.3
70°	5.6	13.1	22.4	31.7	46.6	80.2	1076.2	10017.8	12800.7	12830.5
72.5°	3.7	9.3	14.9	22.4	37.3	72.7	522.2	6530.0	9346.4	9702.6
75°	1.9	5.6	9.3	16.8	29.8	59.7	249.9	4362.6	6800.4	6903.0
77.5°	0.0	1.9	5.6	11.2	22.4	46.6	145.5	2864.9	4636.8	4743.1
80°	0.0	0.0	3.7	9.3	16.8	29.8	87.7	1689.8	2808.9	2861.2
82.5°	0.0	0.0	1.9	7.5	11.2	22.4	44.8	742.3	1839.1	1857.7
85°	0.0	0.0	1.9	7.5	9.3	14.9	16.8	100.7	816.9	831.9
87.5°	0.0	0.0	1.9	9.3	9.3	9.3	9.3	5.6	69.0	85.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)