

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: P455337

Luminaire Tested: **GALN-SA6C-730-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27266 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

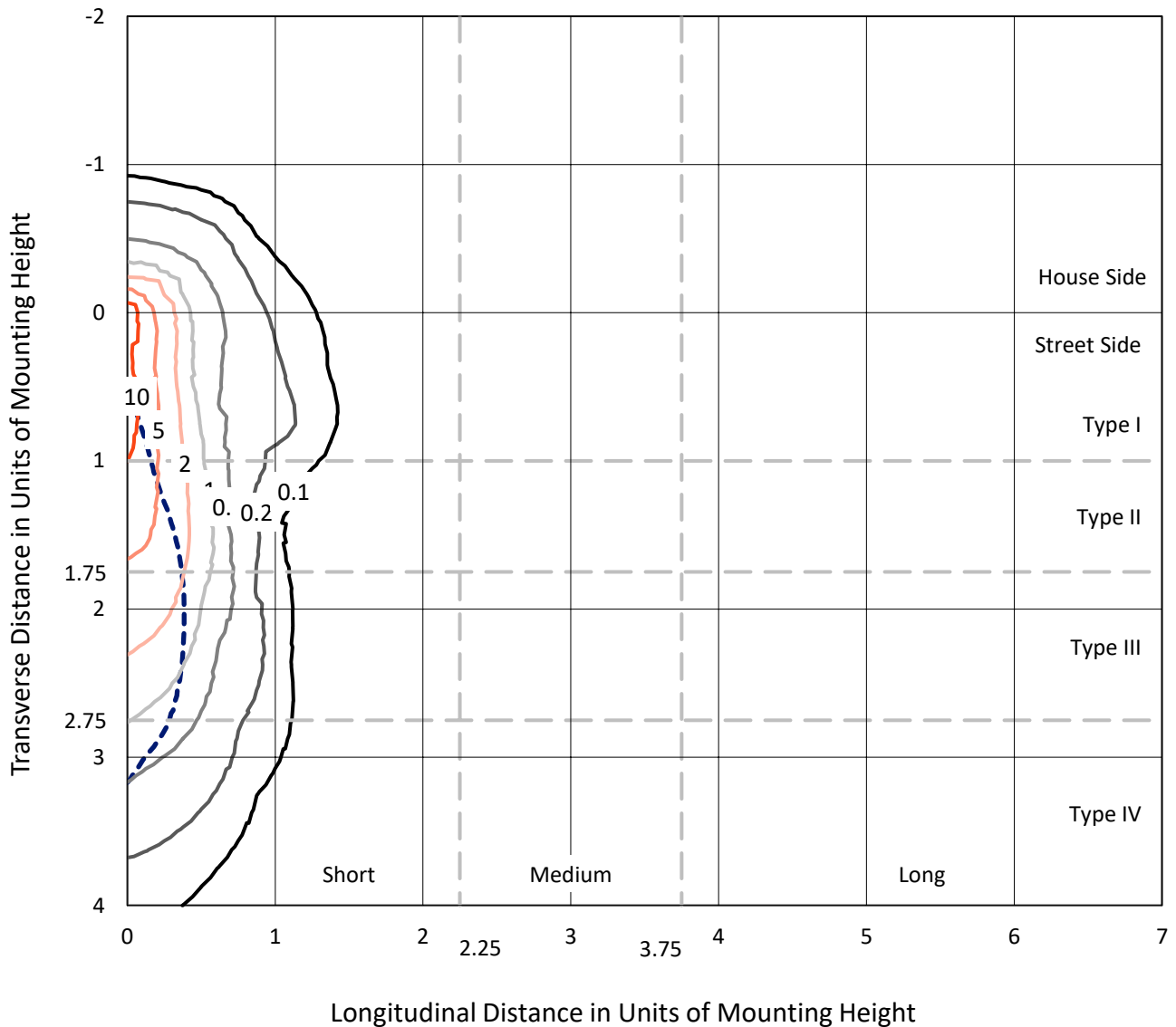
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

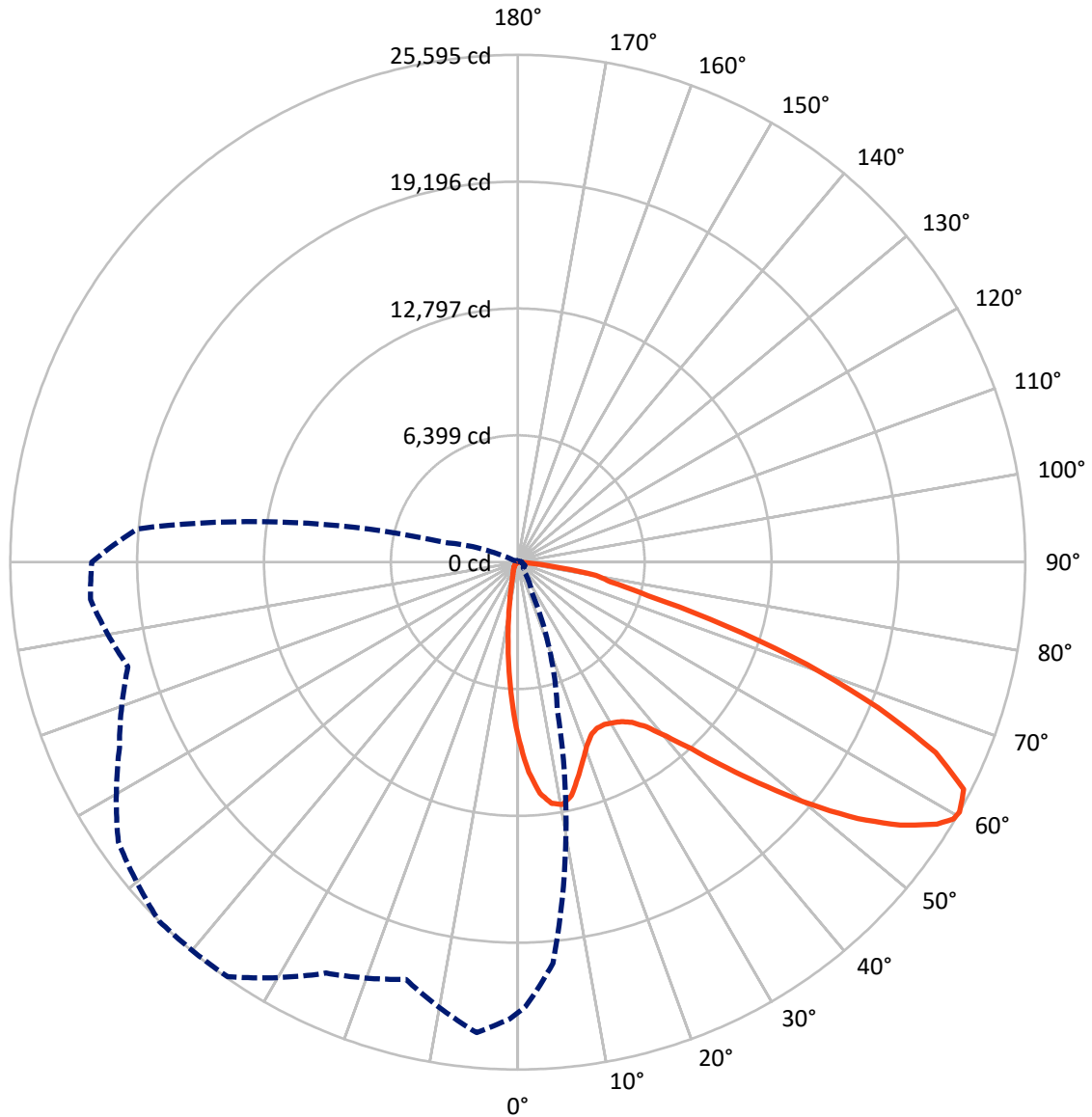
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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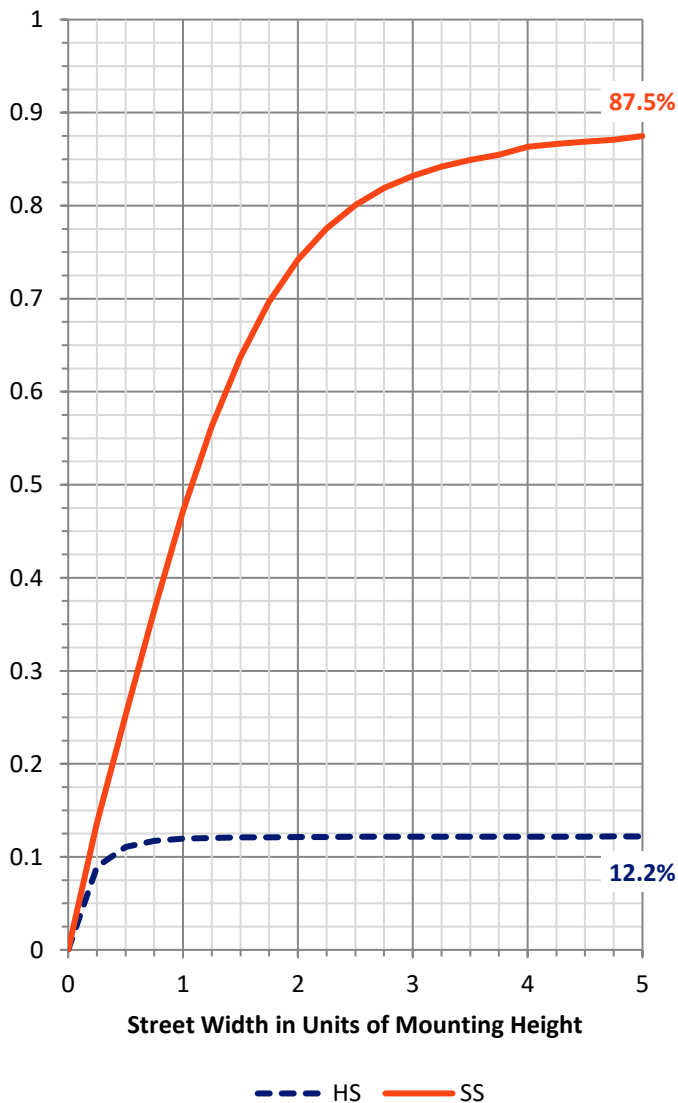
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3363.0	0.0	3363.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	23903.0	0.0	23903.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	27266.0	0.0	27266.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.3	2.5
10°-20°	1331.2	4.9
20°-30°	1951.8	7.2
30°-40°	2902.7	10.6
40°-50°	4224.4	15.5
50°-60°	6091.9	22.3
60°-70°	6700.4	24.6
70°-80°	3001.2	11.0
80°-90°	392.2	1.4
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°	27266.0	100.0
0°-180°	27266.0	100.0



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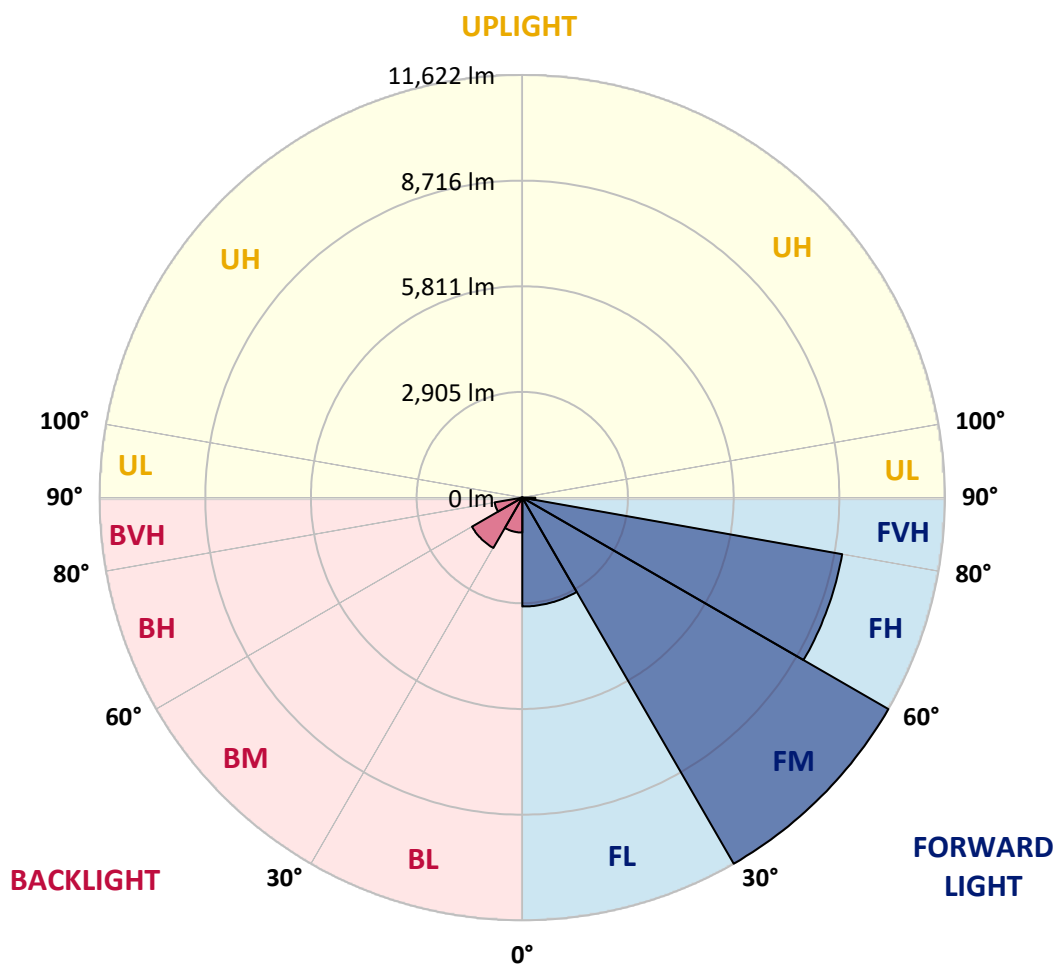
CATALOG NUMBER: GALN-SA6C-730-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2992.3	11.0			
FM	(30°-60°)	11621.6	42.6			
FH	(60°-80°)	8930.4	32.8			G4/12000
FVH	(80°-90°)	358.6	1.3			G3/500
BL	(0°-30°)	960.9	3.5	B2/1000		
BM	(30°-60°)	1597.3	5.9	B2/2500		
BH	(60°-80°)	771.2	2.8	B2/1000		G2/1000
BVH	(80°-90°)	33.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8
2.5°	9907.2	9863.7	9764.2	9461.6	9198.3	8854.3	8506.1	8232.5	8064.6	7755.8	7614.8
5°	9598.4	9619.1	9331.0	8709.2	8016.9	7544.4	7028.3	6617.9	6166.1	5880.1	5579.5
7.5°	8792.1	8750.7	8437.7	7571.3	6729.8	6045.9	5393.0	4862.4	4528.7	4261.3	4037.5
10°	8101.9	8070.8	7670.8	6555.7	5652.1	5140.1	4698.7	4234.4	3875.8	3484.1	3171.1
12.5°	7668.7	7598.3	7138.1	5973.3	5237.5	4760.8	4280.0	3797.1	3301.7	2905.8	2526.5
15°	7523.7	7422.1	6910.2	5772.3	4972.2	4367.0	3763.9	3208.4	2638.5	2201.1	1915.1
17.5°	7786.9	7619.0	7073.9	5737.0	4655.1	3853.0	3111.0	2387.7	1794.9	1461.2	1285.0
20°	8390.0	8197.3	7488.4	5701.8	4302.8	3276.8	2364.9	1687.1	1241.5	1059.1	961.7
22.5°	9285.4	9020.1	8101.9	5757.8	3977.4	2715.1	1707.8	1191.8	986.6	872.6	804.2
25°	10361.1	10139.3	8879.2	5956.7	3720.4	2273.7	1320.3	974.1	831.1	760.7	708.8
27.5°	11540.4	11186.0	9884.4	6195.1	3486.2	1931.7	1158.6	870.5	739.9	675.7	648.7
30°	12379.8	12104.2	10725.9	6360.9	3193.9	1674.7	1059.1	858.1	742.0	665.3	615.6
32.5°	13208.9	12856.5	11430.6	6437.6	2980.4	1496.4	916.1	748.2	650.8	611.4	561.7
35°	14096.0	13727.0	12133.2	6396.1	2820.9	1378.3	831.1	667.4	557.5	491.2	441.5
37.5°	14993.4	14603.8	12831.7	6246.9	2721.4	1330.6	764.8	634.2	526.4	458.1	404.2
40°	16058.8	15538.5	13486.6	6124.6	2617.7	1305.8	721.3	613.5	503.6	431.1	377.2
42.5°	16929.3	16433.9	14106.3	6060.4	2547.3	1247.7	721.3	596.9	489.1	408.3	352.3
45°	17754.2	17240.2	14775.8	6112.2	2518.2	1175.2	729.6	594.8	478.8	391.7	335.8
47.5°	18444.3	17998.7	15463.9	6307.0	2480.9	1096.4	686.0	623.9	472.6	377.2	319.2
50°	19258.9	18827.8	16373.8	6700.8	2414.6	1017.7	632.2	671.5	470.5	364.8	304.7
52.5°	20407.1	19940.8	17629.8	7148.5	2308.9	897.4	582.4	665.3	462.2	344.1	290.2
55°	21810.3	21433.1	19084.8	7685.3	2163.8	762.7	503.6	590.7	437.3	308.8	265.3
57.5°	22709.8	22388.6	20175.0	7917.5	1942.1	623.9	443.5	495.4	400.0	275.7	236.3
59°	22815.5	22525.4	20403.0	7840.8	1797.0	570.0	414.5	424.9	389.7	257.0	219.7
60°	22726.4	22425.9	20311.8	7691.5	1662.3	532.7	389.7	377.2	391.7	246.6	207.3
62.5°	22154.4	21640.3	19426.8	6935.0	1452.9	489.1	346.1	308.8	346.1	221.8	184.5
65°	21049.6	20278.6	17675.4	5869.7	1370.0	464.3	294.3	259.1	263.2	194.8	159.6
67.5°	19120.0	18148.0	15343.7	4769.1	1334.8	466.3	248.7	232.1	203.1	165.8	140.9
70°	16069.1	15099.1	12311.4	3923.5	1318.2	466.3	211.4	199.0	170.0	138.9	122.3
72.5°	11387.0	10342.4	8305.0	3082.0	1187.6	464.3	180.3	180.3	138.9	116.1	99.5
75°	6433.4	6441.7	5221.0	2180.4	986.6	383.4	145.1	143.0	101.6	89.1	74.6
77.5°	3749.4	3683.1	3519.3	936.8	458.1	174.1	101.6	87.1	70.5	64.3	53.9
80°	1927.5	1585.6	1544.1	339.9	163.7	109.8	70.5	49.7	45.6	41.5	37.3
82.5°	570.0	572.0	509.9	136.8	91.2	72.5	35.2	26.9	24.9	22.8	22.8
85°	39.4	24.9	29.0	41.5	56.0	29.0	2.1	6.2	6.2	8.3	10.4
87.5°	4.1	2.1	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°	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8
2.5°	7459.4	7550.6	7380.6	7384.8	7243.8	7289.4	7123.6	7177.5	7080.1	7154.7	7374.4
5°	5612.7	5633.4	5496.6	5453.1	5473.8	5558.8	5592.0	5440.7	5504.9	5378.5	5370.2
7.5°	3954.6	3979.5	3900.7	3890.3	4039.6	4004.3	4068.6	3913.1	3766.0	3830.2	3712.1
10°	3071.6	2968.0	2806.3	2760.7	2731.7	2750.4	2750.4	2609.4	2588.7	2532.8	2617.7
12.5°	2425.0	2298.5	2145.2	1937.9	1886.1	1881.9	1805.3	1680.9	1641.5	1593.9	1664.3
15°	1761.7	1709.9	1581.4	1465.4	1347.2	1324.4	1200.1	1098.5	963.8	945.1	938.9
17.5°	1239.4	1162.7	1160.7	1094.3	1026.0	980.4	864.3	748.2	696.4	690.2	690.2
20°	928.5	901.6	858.1	849.8	829.1	777.2	673.6	611.4	586.6	588.6	596.9
22.5°	781.4	762.7	723.3	704.7	696.4	650.8	574.1	532.7	520.2	520.2	522.3
25°	698.5	681.9	638.4	609.4	599.0	565.8	505.7	474.6	464.3	464.3	464.3
27.5°	636.3	615.6	570.0	545.1	526.4	489.1	451.8	420.7	410.4	410.4	412.5
30°	592.8	570.0	528.5	495.4	466.3	433.2	402.1	375.1	362.7	360.6	362.7
32.5°	534.7	514.0	472.6	451.8	418.7	379.3	354.4	329.5	317.1	319.2	317.1
35°	416.6	410.4	381.4	387.6	368.9	335.8	313.0	286.0	271.5	269.4	273.6
37.5°	379.3	354.4	321.3	323.3	317.1	304.7	267.4	238.4	228.0	228.0	230.1
40°	350.3	325.4	288.1	269.4	271.5	271.5	232.1	201.0	190.7	188.6	192.8
42.5°	325.4	300.5	259.1	228.0	219.7	230.1	196.9	165.8	155.4	151.3	155.4
45°	308.8	281.9	234.2	199.0	174.1	186.5	161.7	136.8	124.4	124.4	122.3
47.5°	292.2	267.4	215.6	172.0	145.1	138.9	132.6	109.8	97.4	95.3	97.4
50°	277.7	252.9	194.8	149.2	122.3	107.8	107.8	87.1	78.8	74.6	76.7
52.5°	263.2	236.3	176.2	132.6	105.7	87.1	76.7	70.5	64.3	62.2	64.3
55°	242.5	215.6	157.5	114.0	91.2	72.5	60.1	58.0	53.9	49.7	53.9
57.5°	217.6	192.8	138.9	97.4	72.5	56.0	49.7	47.7	43.5	41.5	41.5
59°	203.1	180.3	128.5	85.0	64.3	49.7	45.6	43.5	39.4	35.2	37.3
60°	194.8	176.2	122.3	78.8	58.0	45.6	41.5	39.4	35.2	33.2	35.2
62.5°	172.0	157.5	107.8	64.3	45.6	33.2	29.0	31.1	29.0	26.9	29.0
65°	151.3	138.9	91.2	49.7	35.2	22.8	20.7	26.9	24.9	22.8	24.9
67.5°	134.7	120.2	76.7	37.3	24.9	12.4	14.5	22.8	22.8	20.7	22.8
70°	116.1	103.6	62.2	26.9	12.4	6.2	10.4	16.6	20.7	18.7	20.7
72.5°	95.3	80.8	47.7	18.7	6.2	0.0	6.2	14.5	20.7	18.7	20.7
75°	74.6	60.1	35.2	10.4	0.0	0.0	2.1	12.4	20.7	18.7	20.7
77.5°	53.9	43.5	20.7	2.1	0.0	0.0	2.1	12.4	20.7	18.7	20.7
80°	35.2	31.1	8.3	0.0	0.0	0.0	2.1	12.4	20.7	20.7	22.8
82.5°	22.8	16.6	0.0	0.0	0.0	0.0	4.1	16.6	22.8	24.9	24.9
85°	10.4	0.0	0.0	0.0	0.0	0.0	8.3	20.7	26.9	26.9	26.9
87.5°	0.0	0.0	0.0	0.0	0.0	4.1	14.5	24.9	31.1	31.1	31.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8
2.5°	7411.7	7542.3	7726.8	8010.7	8240.8	8603.5	8881.2	9260.5	9644.0	9760.0	9940.3
5°	5455.2	5623.0	6041.7	6423.1	6663.5	7430.4	7915.4	8680.2	9366.2	9695.8	10054.3
7.5°	3788.8	3987.7	4306.9	4839.6	5345.3	5969.2	6752.6	7627.3	8632.5	9103.0	9608.7
10°	2659.2	2907.9	3357.7	3795.0	4431.3	5024.1	5797.2	6763.0	7871.9	8427.3	9061.5
12.5°	1678.8	1900.6	2495.4	2986.7	3780.5	4468.6	5181.6	6056.2	7341.3	7911.2	8576.6
15°	959.6	1146.2	1423.9	2054.0	2934.8	3844.7	4733.9	5749.5	7069.7	7772.4	8491.6
17.5°	715.1	764.8	889.2	1245.7	2047.8	3111.0	4321.4	5656.2	7254.2	8079.1	8899.9
20°	601.1	634.2	692.3	833.2	1305.8	2396.0	3919.3	5672.8	7851.1	8887.4	9666.8
22.5°	538.9	559.6	607.3	698.5	891.2	1745.2	3448.9	5770.2	8574.5	9880.2	10779.8
25°	472.6	499.5	541.0	619.7	742.0	1210.4	2984.6	5987.8	9588.0	11140.4	11986.0
27.5°	420.7	445.6	487.1	559.6	650.8	924.4	2443.6	6174.4	10657.5	12408.8	13101.1
30°	368.9	393.8	435.3	493.3	576.2	748.2	1861.2	6284.2	11695.9	13360.2	13892.9
32.5°	325.4	346.1	385.5	437.3	505.7	634.2	1467.4	6170.2	12489.7	14224.5	14581.0
35°	281.9	306.7	339.9	387.6	447.7	541.0	1220.8	5776.4	13171.6	15113.6	15242.1
37.5°	236.3	265.3	300.5	344.1	391.7	497.4	980.4	5341.2	13901.1	16222.5	16011.1
40°	199.0	225.9	259.1	306.7	350.3	456.0	754.4	4876.9	14688.7	17262.9	16850.5
42.5°	161.7	190.7	230.1	273.6	346.1	397.9	584.5	4396.1	15395.5	18168.7	17609.1
45°	128.5	153.4	194.8	250.8	344.1	342.0	451.8	3921.4	15928.2	18815.4	18174.9
47.5°	101.6	122.3	163.7	244.6	317.1	290.2	362.7	3627.1	16487.8	19397.8	18608.1
50°	80.8	101.6	140.9	254.9	277.7	248.7	304.7	3674.8	17028.7	19694.1	18786.3
52.5°	68.4	89.1	122.3	201.0	213.5	217.6	267.4	3894.5	17727.2	20011.3	19140.8
55°	60.1	78.8	103.6	140.9	165.8	194.8	244.6	4054.1	18662.0	20691.1	19922.1
57.5°	47.7	68.4	93.3	120.2	136.8	170.0	225.9	4066.5	19507.6	21563.7	20960.5
59°	43.5	62.2	87.1	114.0	122.3	153.4	213.5	3960.8	19538.7	21694.2	21437.2
60°	39.4	60.1	82.9	105.7	116.1	145.1	203.1	3838.5	19256.8	21487.0	21634.1
62.5°	33.2	51.8	72.5	85.0	99.5	120.2	176.2	3395.0	17891.0	20548.1	21269.3
65°	29.0	45.6	62.2	70.5	82.9	103.6	155.4	2717.2	16382.1	19275.5	20224.7
67.5°	26.9	41.5	53.9	60.1	72.5	95.3	138.9	1919.3	14427.6	17660.9	18655.8
70°	24.9	39.4	47.7	56.0	64.3	80.8	118.1	1119.2	11113.5	14829.7	15880.5
72.5°	24.9	37.3	41.5	47.7	56.0	72.5	109.8	605.2	7598.3	11312.4	12670.0
75°	24.9	35.2	37.3	41.5	49.7	66.3	97.4	317.1	4912.1	7859.4	9699.9
77.5°	24.9	33.2	37.3	39.4	47.7	58.0	85.0	199.0	3272.7	5504.9	6555.7
80°	26.9	33.2	35.2	39.4	45.6	53.9	70.5	132.6	1923.4	3312.1	3989.8
82.5°	29.0	33.2	37.3	41.5	47.7	51.8	62.2	82.9	887.1	2190.8	2478.9
85°	31.1	35.2	39.4	43.5	49.7	51.8	58.0	60.1	145.1	988.6	1336.8
87.5°	33.2	37.3	41.5	45.6	53.9	53.9	53.9	53.9	49.7	105.7	269.4
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: P455337

CATALOG NUMBER: GALN-SA6C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8	9011.8
2.5°	10168.3	10402.5	10566.3	10607.7	10489.6	10435.7	10286.5	10054.3	9913.4	9907.2
5°	10715.5	11264.8	11646.1	11710.4	11482.4	11096.9	10638.8	10048.1	9702.0	9598.4
7.5°	10622.2	11583.9	12197.4	12286.6	11903.1	11167.3	10280.3	9328.9	8951.7	8792.1
10°	10238.8	11411.9	12288.6	12429.6	11917.6	10881.3	9753.8	8692.6	8224.2	8101.9
12.5°	9911.3	11096.9	11876.2	12071.0	11683.4	10649.2	9438.8	8284.3	7782.7	7668.7
15°	9768.3	10723.8	11200.5	11300.0	11235.7	10504.1	9405.6	8222.1	7648.0	7523.7
17.5°	9911.3	10406.7	10466.8	10568.3	10711.4	10489.6	9724.8	8560.0	7940.3	7786.9
20°	10286.5	10131.0	9882.3	9925.8	10253.3	10549.7	10292.7	9308.2	8553.8	8390.0
22.5°	10924.8	10062.6	9498.9	9461.6	9876.1	10750.7	11125.9	10321.7	9447.1	9285.4
25°	11708.3	10234.7	9357.9	9277.1	9728.9	11045.1	12031.6	11563.2	10607.7	10361.1
27.5°	12562.2	10591.1	9357.9	9279.2	9716.5	11306.2	12806.8	12661.7	11809.9	11540.4
30°	13030.6	10885.5	9492.7	9403.5	9869.9	11457.5	13221.3	13637.9	12713.5	12379.8
32.5°	13449.3	11293.8	9755.9	9588.0	10191.1	11681.4	13592.3	14467.0	13432.7	13208.9
35°	13834.8	11731.1	10118.6	9923.8	10613.9	11988.1	14002.7	15337.5	14433.8	14096.0
37.5°	14259.7	12238.9	10684.4	10518.6	11320.7	12585.0	14489.8	16481.6	15418.3	14993.4
40°	14721.9	12827.5	11615.0	11544.6	12444.1	13260.7	15105.3	17702.3	16541.7	16058.8
42.5°	15192.4	13505.3	12755.0	12871.0	13716.7	14207.9	15737.5	18641.2	17461.9	16929.3
45°	15619.4	14371.6	14236.9	14811.0	15200.7	15132.3	16205.9	19302.4	18264.0	17754.2
47.5°	16158.2	15633.9	16029.7	16914.7	16925.1	16137.5	16560.3	19843.4	18954.2	18444.3
50°	16761.4	17124.1	18344.9	19246.5	19004.0	17126.2	16974.9	20483.8	19667.2	19258.9
52.5°	17459.8	18792.6	20483.8	21484.9	20919.1	18203.9	17665.0	21176.1	20798.9	20407.1
55°	18272.3	19930.4	22616.6	23414.5	22844.5	19542.8	18713.8	22115.0	22077.7	21810.3
57.5°	19190.5	21132.6	23851.8	24931.7	24423.9	21113.9	20179.1	23000.0	22859.1	22709.8
59°	19915.9	21750.2	24396.9	25516.2	25209.4	22214.5	21163.6	23551.3	23039.4	22815.5
60°	20355.3	22168.9	24598.0	25594.9	25524.5	22869.4	21787.5	23820.8	23037.3	22726.4
62.5°	21659.0	22900.5	24521.3	25244.7	25520.3	24125.4	23617.6	24117.1	22610.3	22154.4
65°	22123.3	22658.0	23250.8	23161.7	23397.9	24061.2	24786.6	23791.7	21698.4	21049.6
67.5°	21219.6	19998.8	20208.2	19613.3	19497.2	21391.6	24312.0	22200.0	19913.8	19120.0
70°	17886.8	15320.9	15215.2	15488.8	14738.5	17318.9	21831.0	19134.5	16968.6	16069.1
72.5°	14079.4	10827.4	9936.2	10943.5	10920.7	13213.0	18135.5	13577.8	11463.7	11387.0
75°	11072.0	7538.2	6615.8	6779.6	7094.6	9565.2	14444.2	8622.1	7059.4	6433.4
77.5°	7432.5	5341.2	4982.6	4781.6	5121.5	6141.2	9138.2	4675.9	3958.7	3749.4
80°	4284.1	3880.0	4406.4	4000.2	4182.6	3869.6	4545.3	2145.2	1780.4	1927.5
82.5°	2787.7	2209.4	2354.5	1749.3	2391.8	2412.5	1459.1	634.2	536.8	570.0
85°	1743.1	1036.3	582.4	414.5	824.9	1517.2	456.0	39.4	45.6	39.4
87.5°	451.8	172.0	72.5	107.8	132.6	118.1	105.7	6.2	2.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)