

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: P528183

Luminaire Tested: **GALN-SA3B-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8552 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

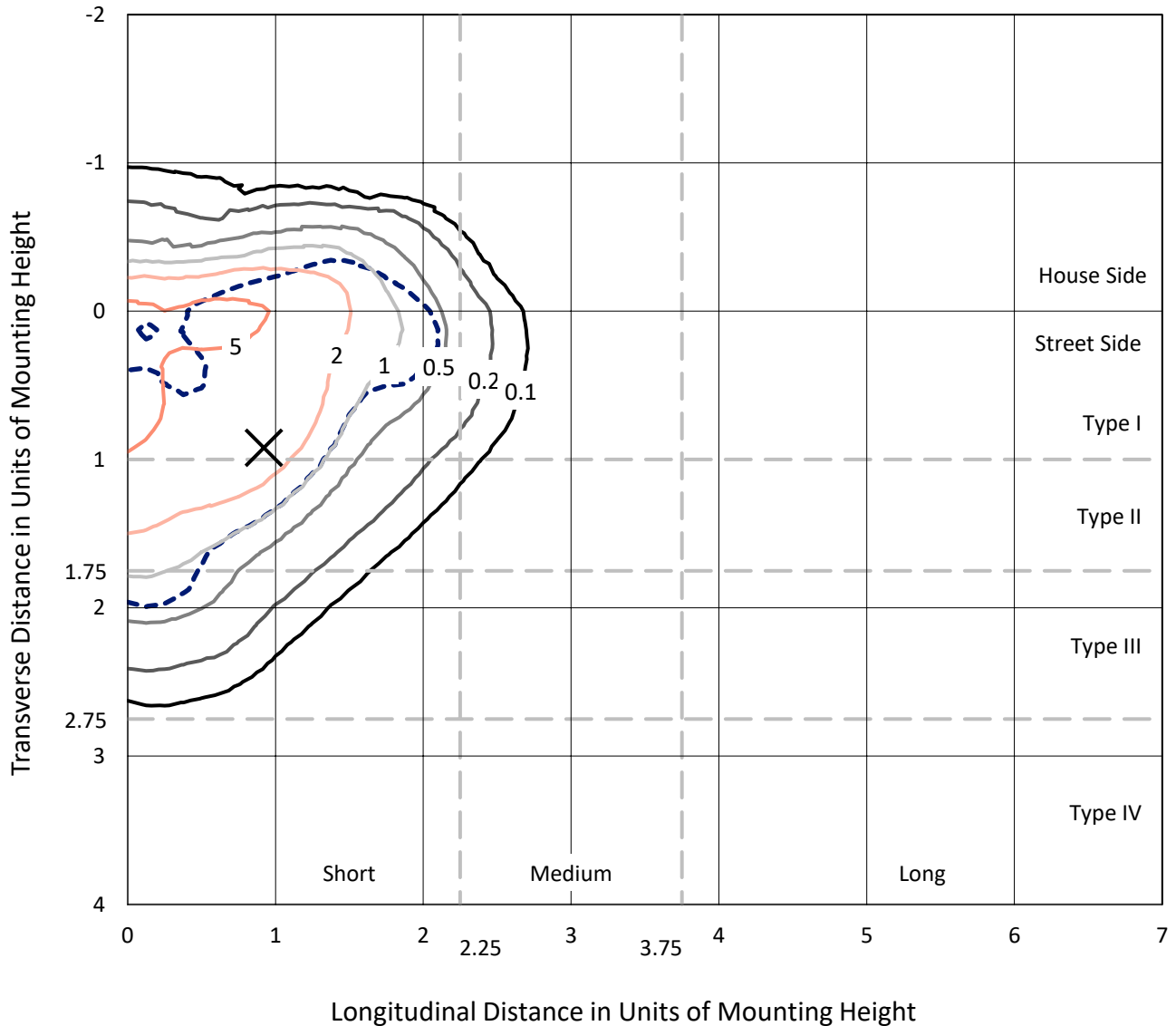
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528183
 CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

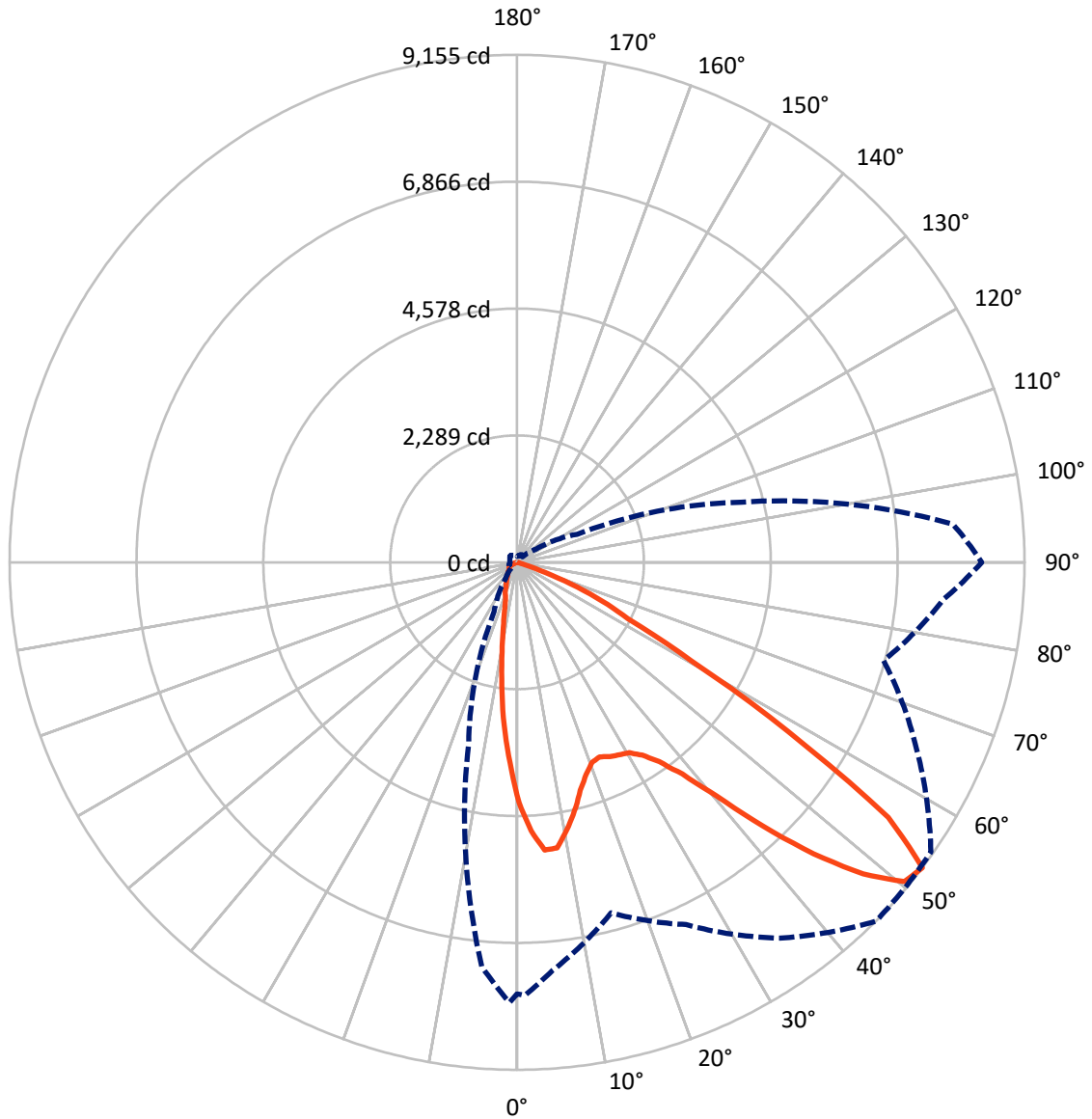
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

REPORT NUMBER: P528183
CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P528183
 CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

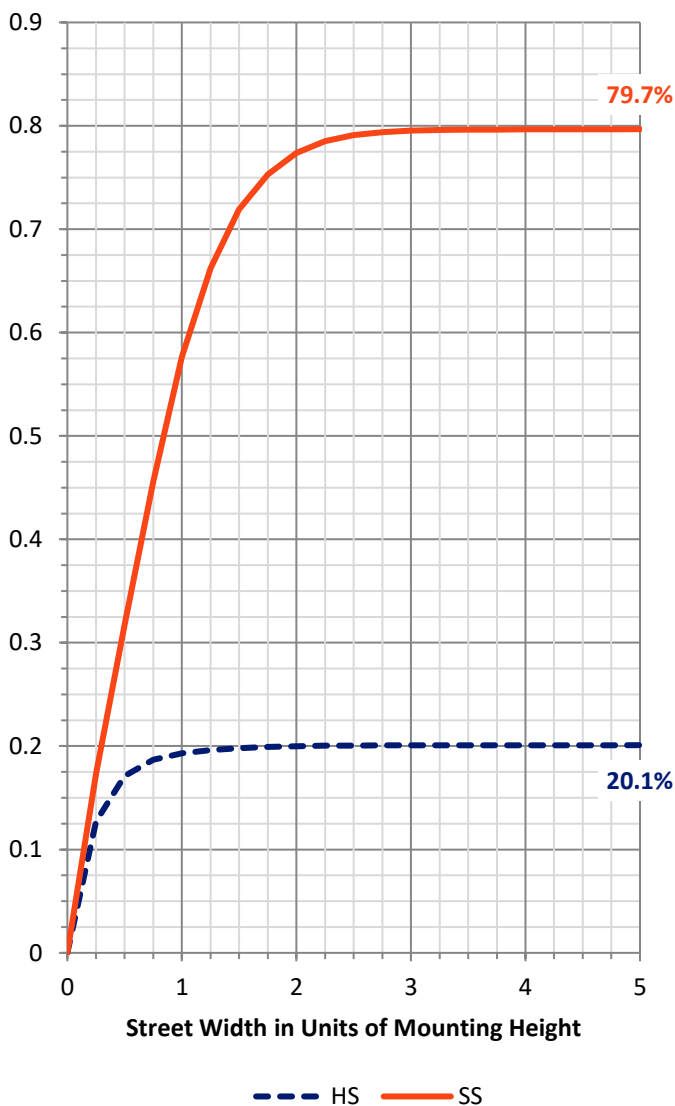
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1735.6	0.0	1735.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	6816.4	0.0	6816.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	8552.0	0.0	8552.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.2	3.7
10°-20°	623.9	7.3
20°-30°	949.5	11.1
30°-40°	1419.2	16.6
40°-50°	2021.0	23.6
50°-60°	2172.5	25.4
60°-70°	962.7	11.3
70°-80°	77.9	0.9
80°-90°	9.1	0.1
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°	8552.0	100.0
0°-180°	8552.0	100.0

Coefficient of Utilization



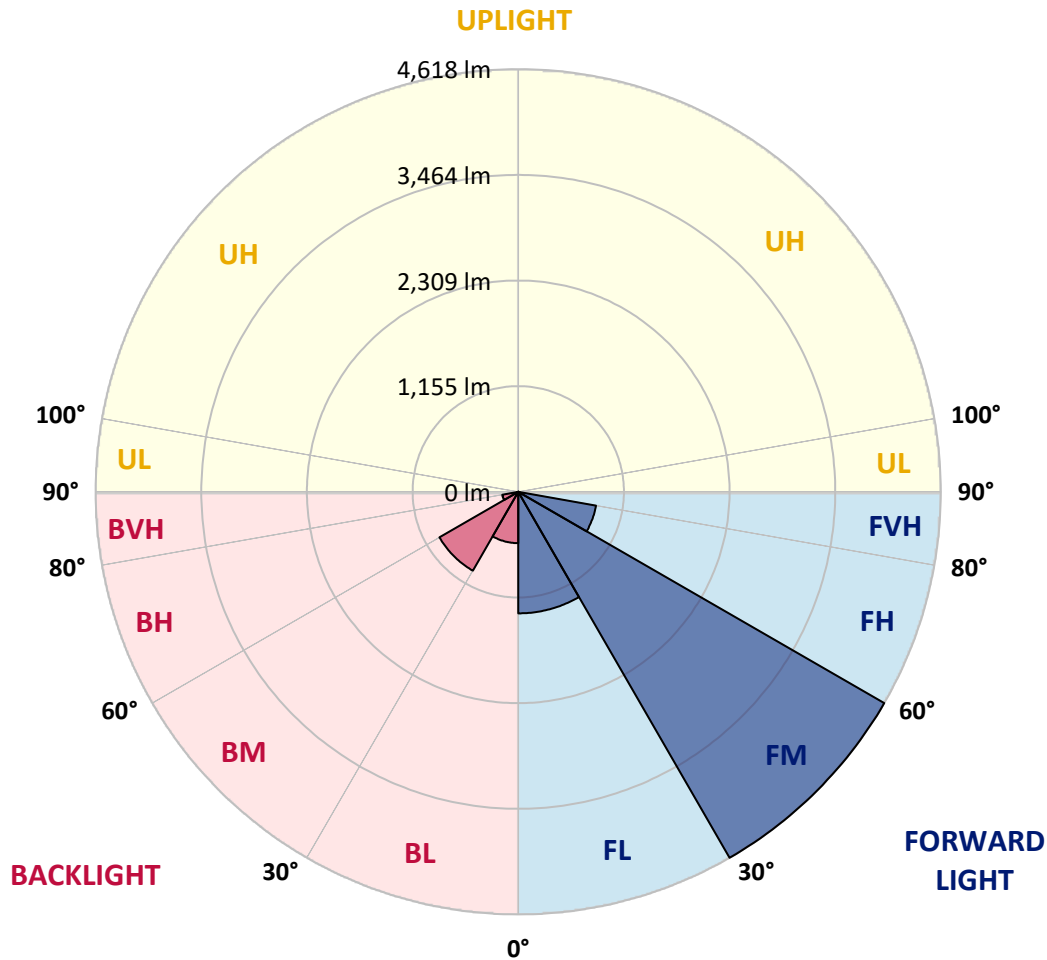
REPORT NUMBER: P528183
 CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1328.3	15.5			
FM	(30°-60°)	4618.3	54.0			
FH	(60°-80°)	863.0	10.1			G1/1800
FVH	(80°-90°)	6.7	0.1			G0/10
BL	(0°-30°)	561.4	6.6	B2/1000		
BM	(30°-60°)	994.3	11.6	B1/1000		
BH	(60°-80°)	177.6	2.1	B1/500		G1/500
BVH	(80°-90°)	2.4	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-G1

Type III Short





REPORT NUMBER: P528183

CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3
2.5°	4588.6	4602.0	4676.0	4768.5	4817.3	4928.3	4851.0	4871.1	4829.1	4681.1	4565.0
5°	4449.0	4447.3	4541.5	4770.2	4987.2	5207.6	5214.3	5096.5	4889.6	4662.6	4337.9
7.5°	4028.5	4094.0	4191.6	4556.6	4958.6	5123.4	5202.5	5064.6	4746.7	4422.0	4070.5
10°	3710.5	3744.2	3909.0	4349.7	4644.1	4864.4	4913.2	4834.1	4590.2	4184.9	3791.3
12.5°	3527.2	3544.0	3737.5	4107.5	4418.7	4581.8	4605.4	4642.4	4467.5	4087.3	3614.7
15°	3528.9	3542.3	3803.1	4112.6	4235.3	4191.6	4269.0	4267.3	4343.0	4068.8	3762.7
17.5°	3782.9	3798.0	4033.5	4186.6	4132.7	4030.1	4025.1	4102.5	4262.3	4299.3	3986.4
20°	4220.2	4255.5	4428.8	4420.4	4117.6	3910.7	3853.5	3912.4	4284.1	4494.4	4437.2
22.5°	4808.9	4857.7	4978.8	4746.7	4186.6	3830.0	3811.5	3925.8	4428.8	4930.0	4948.5
25°	5491.8	5574.2	5633.1	5335.4	4432.1	3969.6	3882.1	4078.9	4623.9	5402.7	5599.5
27.5°	5944.3	6030.1	6016.6	5591.1	4597.0	4006.6	3932.6	4115.9	4793.8	5515.4	5939.2
30°	6297.5	6349.6	6443.8	5729.0	4761.8	4110.9	3984.7	4272.3	4849.3	5710.5	6349.6
32.5°	6709.6	6744.9	6751.7	5972.9	5015.8	4242.1	4146.2	4467.5	5094.9	5897.2	6713.0
35°	7125.1	7177.2	7067.9	6274.0	5172.2	4486.0	4415.3	4805.5	5291.7	6090.6	7113.3
37.5°	7575.8	7602.8	7350.5	6398.4	5395.9	4882.9	4844.2	5170.5	5633.1	6440.5	7557.3
40°	7954.3	7979.5	7651.5	6551.5	5631.4	5438.0	5537.2	5866.9	6097.3	6667.5	7779.4
42.5°	8164.6	8223.4	7752.5	6467.4	6104.1	6067.1	6507.8	6623.8	6635.6	6731.5	7977.8
45°	8221.7	8194.8	7585.9	6536.4	6517.8	7101.5	7501.8	7654.9	7170.5	6849.2	8028.3
47.5°	7957.7	7993.0	7340.4	6475.8	7061.1	7885.3	8403.4	8687.7	7569.1	6746.6	7903.8
50°	7744.0	7698.6	7261.3	6432.1	7207.5	8255.4	9054.3	9118.3	7935.8	6872.8	7767.6
52.5°	7786.1	7814.7	7387.5	6548.1	7210.8	8277.2	9155.3	9111.5	7947.6	6844.2	7718.8
55°	7875.2	7749.1	7333.6	6292.5	6728.1	7666.7	8125.9	8058.6	7335.3	6539.7	7599.4
57.5°	6795.4	6990.5	6743.2	5618.0	5522.1	5776.1	5767.7	5974.6	5471.6	5628.1	6918.2
60°	5515.4	5549.0	5641.5	4805.5	3821.6	3734.1	3613.0	3481.8	3682.0	4812.3	6292.5
62.5°	4851.0	4810.6	5140.3	4371.6	2698.0	2259.0	2238.8	2319.5	2840.9	4590.2	5902.2
65°	3525.5	3576.0	3814.8	3392.6	2025.2	1724.1	1693.8	1932.6	2299.3	3678.6	4504.5
67.5°	2153.0	2250.6	2272.4	2092.4	1374.2	1091.6	1047.9	1264.9	1660.2	2380.1	2640.8
70°	994.1	1111.8	1222.8	1142.1	795.6	449.1	423.9	531.5	837.6	1369.2	1401.1
72.5°	301.1	302.8	423.9	442.4	257.3	100.9	89.1	117.7	284.3	452.5	476.0
75°	21.9	23.5	57.2	65.6	48.8	25.2	26.9	32.0	60.6	100.9	75.7
77.5°	1.7	1.7	1.7	8.4	15.1	16.8	21.9	25.2	32.0	37.0	33.6
80°	1.7	0.0	1.7	6.7	11.8	16.8	20.2	23.5	25.2	28.6	25.2
82.5°	0.0	0.0	0.0	5.0	11.8	16.8	18.5	25.2	28.6	33.6	28.6
85°	0.0	0.0	0.0	5.0	11.8	18.5	16.8	8.4	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: P528183

CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3
2.5°	4585.2	4519.6	4369.9	4294.2	4115.9	4090.7	3915.8	3887.2	3828.3	3796.3	3719.0
5°	4195.0	4115.9	3872.0	3666.8	3428.0	3261.4	3133.6	3017.6	2950.3	2888.0	2916.6
7.5°	3877.1	3646.6	3375.8	3032.7	2756.8	2578.5	2383.4	2223.6	2129.4	2065.5	2080.7
10°	3544.0	3394.3	3017.6	2632.4	2299.3	2173.2	2020.1	1897.3	1764.4	1650.1	1596.2
12.5°	3439.7	3217.7	2745.1	2353.2	2100.8	1978.1	1803.1	1661.8	1492.0	1352.3	1303.6
15°	3458.2	3244.6	2671.1	2252.2	1954.5	1742.6	1534.0	1359.1	1172.4	1074.8	1024.4
17.5°	3759.3	3389.3	2719.8	2146.3	1751.0	1456.6	1199.3	977.3	837.6	736.7	714.9
20°	4129.4	3702.1	2824.1	2068.9	1584.5	1158.9	876.3	684.6	568.5	551.7	546.7
22.5°	4671.0	4213.5	3047.8	2016.7	1380.9	903.2	600.5	497.9	465.9	462.6	464.2
25°	5427.9	4854.3	3291.7	1973.0	1227.9	696.4	491.2	422.2	412.1	407.1	415.5
27.5°	5755.9	5241.2	3421.2	1878.8	1088.3	627.4	484.4	418.8	390.2	381.8	386.9
30°	6161.3	5498.5	3624.8	1717.3	883.1	516.4	452.5	455.8	442.4	400.3	386.9
32.5°	6699.5	5819.8	3727.4	1603.0	788.9	427.2	331.4	304.4	339.8	346.5	358.3
35°	7044.3	6146.1	3779.5	1535.7	740.1	365.0	280.9	255.7	247.3	248.9	255.7
37.5°	7685.2	6586.8	3845.1	1465.0	703.1	317.9	254.0	230.4	218.7	218.7	225.4
40°	8068.7	6936.7	3934.3	1426.4	666.1	289.3	230.4	210.3	200.2	200.2	203.5
42.5°	8164.6	7109.9	3904.0	1412.9	624.0	282.6	210.3	195.1	183.3	181.7	180.0
45°	8336.1	7374.0	3909.0	1397.8	580.3	257.3	198.5	181.7	164.8	163.2	161.5
47.5°	8524.5	7564.1	3919.1	1338.9	538.2	215.3	206.9	168.2	148.0	144.7	144.7
50°	8363.0	7715.5	4006.6	1280.0	484.4	174.9	203.5	158.1	131.2	126.2	127.8
52.5°	8383.2	7893.7	4191.6	1197.6	417.1	139.6	164.8	149.7	119.4	111.0	112.7
55°	8060.3	7705.4	4216.8	1110.1	326.3	107.6	126.2	131.2	100.9	97.6	97.6
57.5°	6938.4	6524.6	3720.6	899.9	215.3	89.1	90.8	114.4	87.5	84.1	85.8
60°	5937.5	5237.8	2994.0	593.8	134.6	70.6	65.6	116.1	77.4	75.7	80.7
62.5°	5412.8	4304.3	2270.7	368.4	92.5	53.8	45.4	94.2	67.3	67.3	74.0
65°	3910.7	2891.4	1320.4	193.4	65.6	42.1	33.6	53.8	55.5	57.2	60.6
67.5°	2422.1	1460.0	556.8	94.2	43.7	28.6	21.9	33.6	37.0	37.0	40.4
70°	1195.9	582.0	185.0	53.8	33.6	23.5	15.1	18.5	18.5	16.8	18.5
72.5°	370.0	174.9	47.1	33.6	23.5	15.1	8.4	6.7	3.4	0.0	1.7
75°	42.1	33.6	30.3	23.5	15.1	6.7	1.7	0.0	0.0	0.0	0.0
77.5°	25.2	28.6	28.6	23.5	15.1	5.0	0.0	0.0	0.0	0.0	0.0
80°	20.2	21.9	23.5	21.9	13.5	6.7	0.0	0.0	0.0	0.0	0.0
82.5°	25.2	28.6	32.0	28.6	18.5	8.4	3.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	5.0	1.7	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: P528183

CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3
2.5°	3687.0	3650.0	3702.1	3624.8	3623.1	3624.8	3602.9	3582.7	3614.7	3700.5	3708.9
5°	2814.0	2893.1	2918.3	3000.7	2955.3	2888.0	2901.5	2856.1	2967.1	3015.9	2977.2
7.5°	2048.7	2043.7	2213.5	2223.6	2245.5	2247.2	2243.8	2154.7	2063.8	2084.0	2144.6
10°	1589.5	1503.7	1586.1	1577.7	1631.6	1616.4	1638.3	1542.4	1574.4	1574.4	1613.1
12.5°	1295.2	1204.3	1189.2	1167.3	1189.2	1197.6	1206.0	1187.5	1241.3	1266.6	1293.5
15°	989.0	938.6	925.1	883.1	889.8	913.3	933.5	941.9	925.1	963.8	967.2
17.5°	718.2	716.5	725.0	723.3	716.5	711.5	709.8	687.9	681.2	684.6	698.0
20°	545.0	558.4	587.0	615.6	630.8	612.3	587.0	550.0	534.9	538.2	539.9
22.5°	465.9	486.1	524.8	556.8	571.9	538.2	492.8	460.9	454.1	452.5	450.8
25°	422.2	445.7	474.3	484.4	482.7	462.6	428.9	415.5	412.1	408.7	393.6
27.5°	398.6	407.1	412.1	423.9	428.9	415.5	407.1	386.9	383.5	383.5	373.4
30°	385.2	380.1	386.9	378.5	385.2	375.1	376.8	376.8	368.4	371.7	371.7
32.5°	358.3	360.0	360.0	343.1	348.2	336.4	348.2	358.3	360.0	361.6	375.1
35°	262.4	292.7	307.8	307.8	312.9	304.4	302.8	291.0	275.9	260.7	254.0
37.5°	230.4	242.2	262.4	274.2	282.6	275.9	260.7	242.2	233.8	227.1	220.3
40°	205.2	215.3	228.8	242.2	259.0	250.6	227.1	218.7	208.6	208.6	201.8
42.5°	185.0	190.1	198.5	218.7	237.2	220.3	203.5	196.8	191.8	190.1	188.4
45°	166.5	168.2	176.6	193.4	215.3	198.5	181.7	173.2	174.9	176.6	174.9
47.5°	149.7	153.1	158.1	178.3	191.8	183.3	164.8	159.8	159.8	159.8	161.5
50°	129.5	137.9	148.0	164.8	174.9	169.9	154.7	148.0	144.7	144.7	146.3
52.5°	116.1	122.8	136.2	156.4	169.9	161.5	146.3	136.2	129.5	127.8	131.2
55°	100.9	112.7	134.6	149.7	168.2	159.8	143.0	131.2	119.4	117.7	117.7
57.5°	90.8	109.3	129.5	148.0	163.2	156.4	143.0	127.8	112.7	111.0	111.0
60°	85.8	106.0	126.2	143.0	163.2	153.1	141.3	124.5	107.6	107.6	106.0
62.5°	80.7	99.2	119.4	136.2	156.4	148.0	136.2	119.4	102.6	102.6	99.2
65°	67.3	85.8	99.2	114.4	136.2	127.8	116.1	104.3	90.8	87.5	89.1
67.5°	47.1	58.9	72.3	87.5	100.9	97.6	92.5	84.1	72.3	70.6	69.0
70°	23.5	32.0	43.7	58.9	70.6	67.3	63.9	57.2	50.5	48.8	48.8
72.5°	3.4	10.1	18.5	26.9	37.0	38.7	37.0	35.3	33.6	32.0	33.6
75°	0.0	0.0	0.0	6.7	15.1	18.5	21.9	25.2	25.2	21.9	26.9
77.5°	0.0	0.0	0.0	0.0	1.7	8.4	16.8	21.9	26.9	23.5	32.0
80°	0.0	0.0	0.0	0.0	1.7	10.1	16.8	23.5	26.9	23.5	33.6
82.5°	0.0	0.0	0.0	0.0	1.7	11.8	16.8	21.9	25.2	23.5	30.3
85°	0.0	0.0	0.0	0.0	5.0	10.1	6.7	3.4	1.7	1.7	5.0
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: P528183
 CATALOG NUMBER: GALN-SA3B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3	4336.3
2.5°	3756.0	3875.4	4003.2	4052.0	4203.4	4317.8	4395.1	4561.7	4586.9	4588.6
5°	3017.6	3078.1	3296.8	3399.4	3624.8	3799.7	3986.4	4255.5	4435.5	4449.0
7.5°	2144.6	2312.8	2405.3	2672.7	2950.3	3224.4	3502.0	3814.8	4023.4	4028.5
10°	1725.8	1835.1	1999.9	2200.1	2433.9	2713.1	3083.2	3446.5	3658.4	3710.5
12.5°	1389.4	1581.1	1769.5	1976.4	2154.7	2364.9	2763.6	3248.0	3422.9	3527.2
15°	1069.8	1244.7	1466.7	1708.9	1910.8	2191.7	2645.8	3199.2	3493.6	3528.9
17.5°	788.9	945.3	1150.5	1379.3	1682.0	2080.7	2666.0	3446.5	3724.0	3782.9
20°	566.8	657.7	819.1	1084.9	1470.1	1951.1	2686.2	3697.1	4119.3	4220.2
22.5°	449.1	486.1	592.1	827.6	1232.9	1814.9	2829.2	4176.5	4662.6	4808.9
25°	390.2	410.4	460.9	652.6	1083.2	1801.4	3057.9	4751.7	5385.8	5491.8
27.5°	376.8	380.1	423.9	598.8	1002.5	1712.3	3145.4	5160.5	5836.6	5944.3
30°	397.0	450.8	454.1	506.3	852.8	1535.7	3190.8	5555.7	6218.4	6297.5
32.5°	343.1	326.3	338.1	391.9	750.2	1433.1	3276.6	5900.5	6654.1	6709.6
35°	238.8	250.6	277.5	339.8	656.0	1325.4	3298.5	6280.7	7067.9	7125.1
37.5°	220.3	227.1	248.9	289.3	576.9	1264.9	3268.2	6558.2	7496.8	7575.8
40°	205.2	213.6	225.4	262.4	518.1	1197.6	3226.1	6808.8	7759.2	7954.3
42.5°	193.4	200.2	210.3	250.6	467.6	1130.3	3167.3	7162.1	7994.7	8164.6
45°	180.0	190.1	201.8	243.9	439.0	1084.9	3123.5	7140.2	8130.9	8221.7
47.5°	166.5	183.3	196.8	227.1	430.6	1063.0	3142.0	7057.8	8019.9	7957.7
50°	153.1	174.9	198.5	188.4	410.4	1019.3	3163.9	7170.5	7755.8	7744.0
52.5°	141.3	166.5	185.0	154.7	365.0	977.3	3375.8	7318.5	7942.5	7786.1
55°	124.5	149.7	148.0	124.5	296.0	945.3	3542.3	7321.9	7816.4	7875.2
57.5°	112.7	132.9	116.1	104.3	218.7	790.6	3271.5	6139.4	6691.1	6795.4
60°	104.3	129.5	87.5	82.4	143.0	570.2	2856.1	4755.1	5318.6	5515.4
62.5°	95.9	122.8	69.0	67.3	99.2	405.4	2348.1	3979.7	4583.5	4851.0
65°	84.1	87.5	55.5	52.1	70.6	218.7	1429.7	2740.0	3426.3	3525.5
67.5°	69.0	67.3	45.4	42.1	47.1	106.0	630.8	1372.5	1986.5	2153.0
70°	55.5	55.5	38.7	33.6	33.6	48.8	164.8	546.7	898.2	994.1
72.5°	40.4	42.1	30.3	26.9	25.2	23.5	26.9	109.3	235.5	301.1
75°	35.3	37.0	30.3	23.5	18.5	15.1	11.8	10.1	13.5	21.9
77.5°	38.7	38.7	32.0	21.9	16.8	11.8	6.7	3.4	3.4	1.7
80°	48.8	50.5	42.1	28.6	20.2	13.5	8.4	3.4	1.7	1.7
82.5°	52.1	57.2	47.1	35.3	25.2	15.1	8.4	1.7	0.0	0.0
85°	13.5	21.9	37.0	32.0	25.2	15.1	8.4	1.7	0.0	0.0
87.5°	0.0	1.7	5.0	5.0	6.7	6.7	5.0	1.7	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)