

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: P459135

Luminaire Tested: **GALN-SA6B-735-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-735-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27094 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

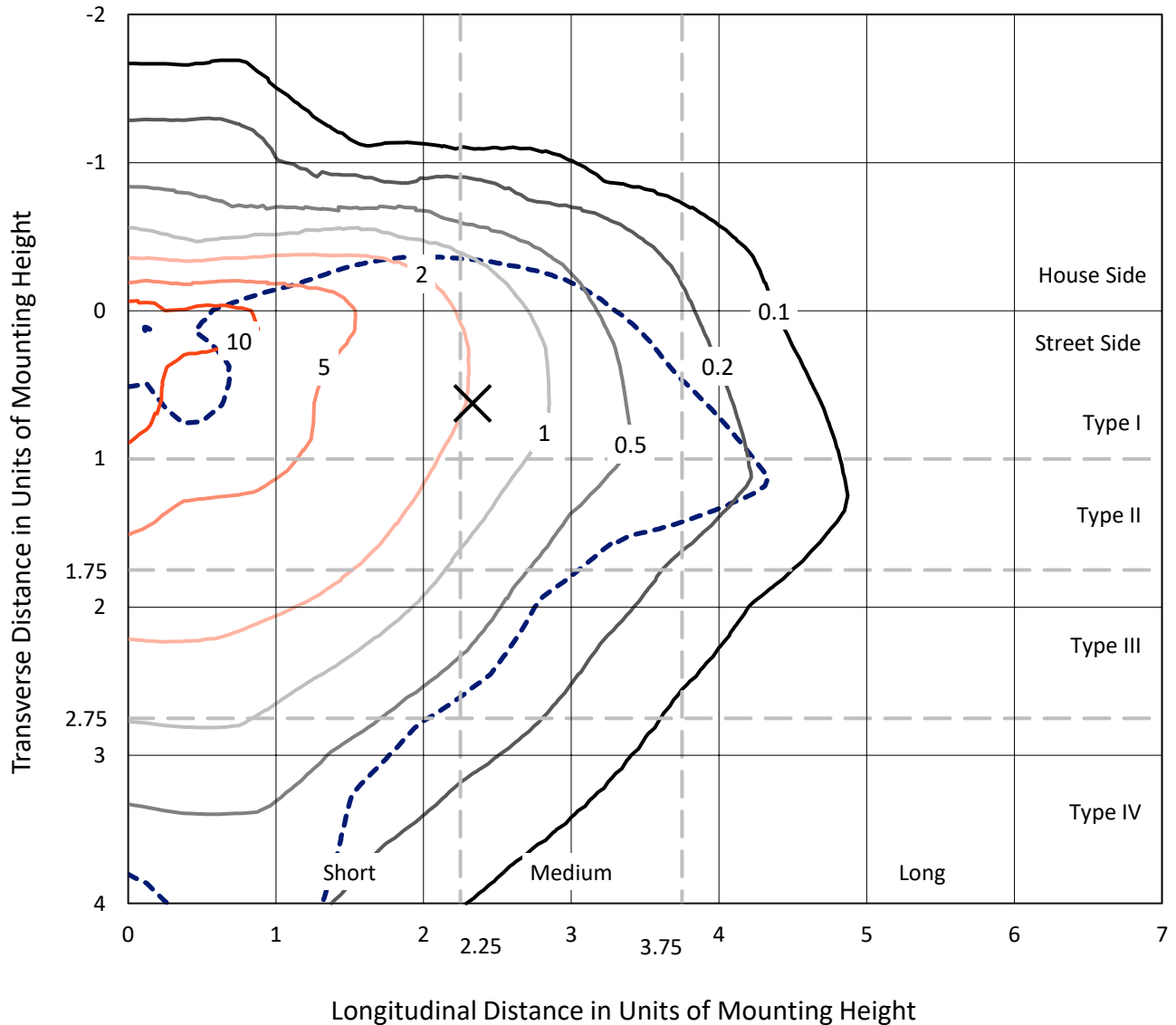
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459135
 CATALOG NUMBER: GALN-SA6B-735-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

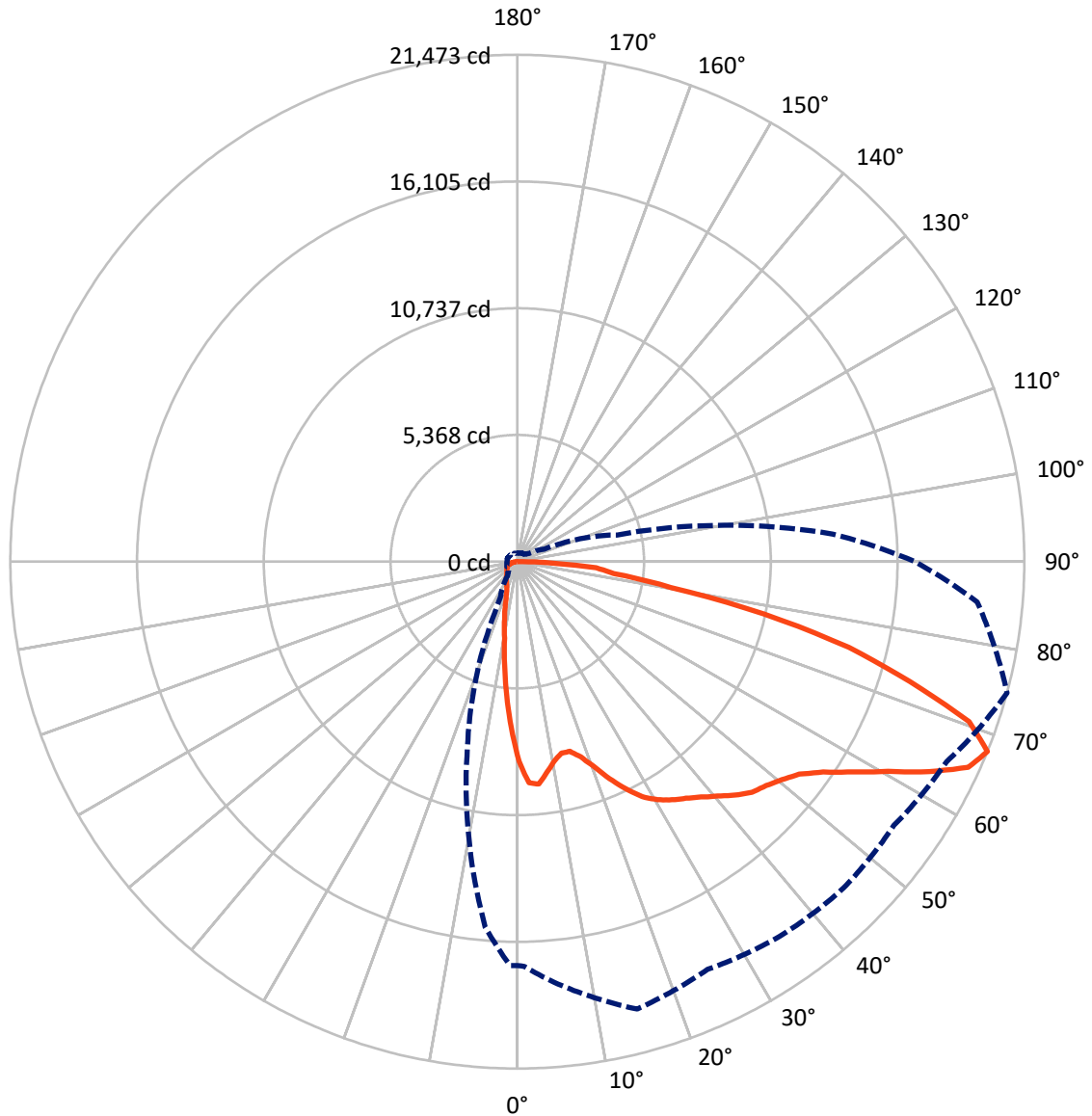
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P459135
CATALOG NUMBER: GALN-SA6B-735-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P459135

CATALOG NUMBER: GALN-SA6B-735-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4579.5	0.0	4579.5
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	22514.5	0.0	22514.5
	% Fixture	83.1	0.0	83.1
Total	Lumens	27094.0	0.0	27094.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.0	2.4
10°-20°	1339.0	4.9
20°-30°	1926.8	7.1
30°-40°	2775.1	10.2
40°-50°	3898.3	14.4
50°-60°	5436.8	20.1
60°-70°	6464.0	23.9
70°-80°	3806.9	14.1
80°-90°	805.0	3.0
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°	27094.0	100.0
0°-180°	27094.0	100.0

Coefficient of Utilization

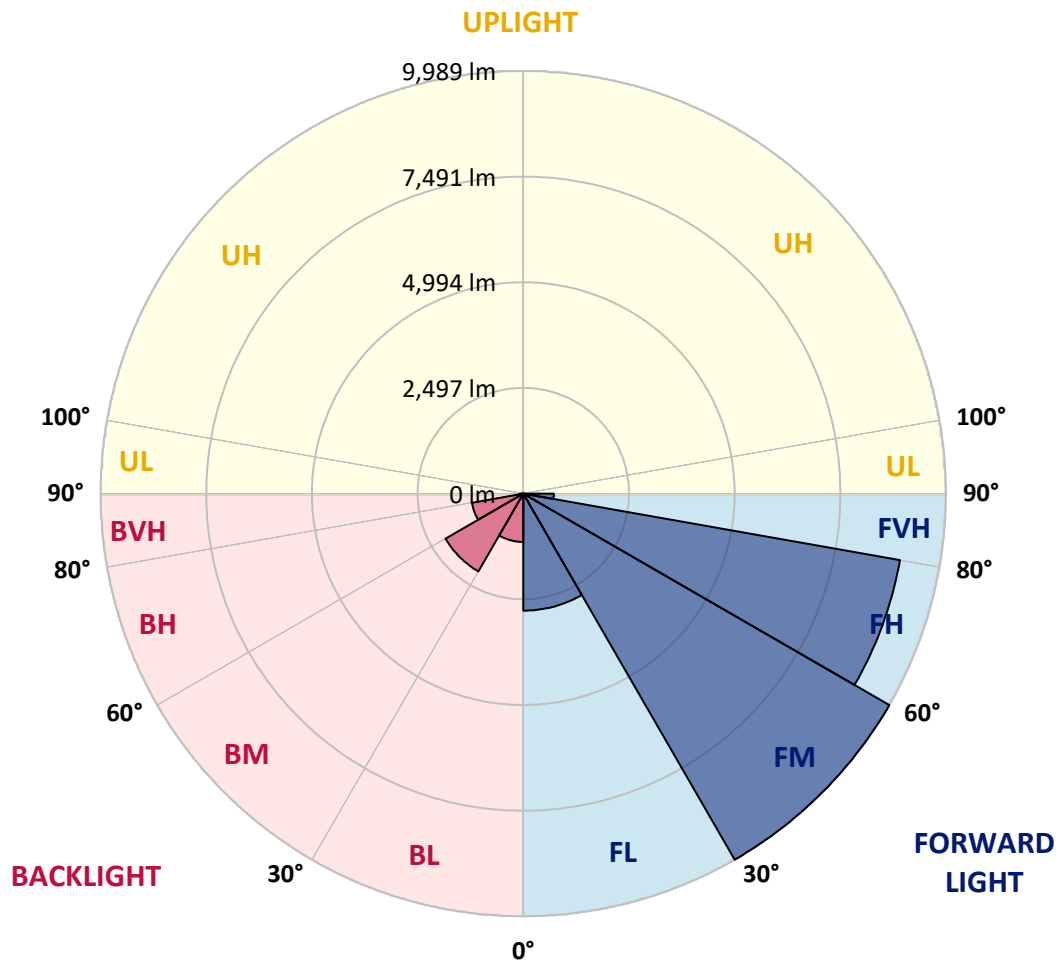


REPORT NUMBER: P459135
 CATALOG NUMBER: GALN-SA6B-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2765.6	10.2			
FM (30°-60°)	9988.6	36.9			
FH (60°-80°)	9038.7	33.4			G4/12000
FVH (80°-90°)	721.8	2.7			G4/750
BL (0°-30°)	1142.3	4.2	B3/2500		
BM (30°-60°)	2121.7	7.8	B2/2500		
BH (60°-80°)	1232.2	4.5	B3/2500		G3/2500
BVH (80°-90°)	83.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P459135

CATALOG NUMBER: GALN-SA6B-735-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8
2.5°	9126.8	9138.9	9217.1	9444.7	9601.1	9658.4	9698.4	9623.7	9550.7	9373.5	9105.9
5°	9099.0	9170.2	9373.5	9884.3	10287.4	10461.1	10513.2	10289.1	9919.0	9463.8	8916.5
7.5°	8567.3	8662.9	8975.6	9832.2	10542.8	10949.3	10895.5	10490.7	9823.5	9012.1	8247.6
10°	7936.6	8042.6	8419.6	9455.1	10370.8	10930.2	10930.2	10436.8	9550.7	8586.4	7705.5
12.5°	7436.2	7547.4	7978.3	9067.7	10012.9	10542.8	10631.4	10207.5	9354.4	8317.1	7349.4
15°	7271.2	7378.9	7842.8	8833.1	9634.1	9957.3	9986.8	9847.8	9258.8	8336.2	7333.7
17.5°	7476.2	7615.2	8084.3	8902.6	9286.6	9305.7	9328.3	9437.8	9269.2	8685.5	7649.9
20°	8068.7	8218.1	8708.0	9126.8	8982.6	8784.5	8796.7	9078.1	9392.6	9262.3	8405.7
22.5°	8923.5	9053.8	9555.9	9521.2	8854.0	8445.7	8360.6	8753.2	9575.0	9981.6	9210.2
25°	9846.1	9999.0	10575.8	10106.7	8890.5	8244.2	8190.3	8562.1	9764.4	10654.0	10139.7
27.5°	10902.4	11051.9	11507.1	10697.4	9081.6	8228.5	8164.2	8544.7	9934.7	11276.0	11027.5
30°	11687.8	11825.0	12134.3	11194.3	9316.2	8332.8	8252.8	8682.0	10080.6	11701.7	11892.8
32.5°	12304.5	12447.0	12615.6	11503.6	9625.4	8522.1	8374.5	8932.2	10271.7	12026.6	12533.9
35°	12947.4	13115.9	13103.8	11778.1	9913.8	8741.1	8596.9	9293.6	10572.3	12309.8	13347.0
37.5°	13762.3	13830.0	13743.1	12024.8	10259.6	9135.5	9055.5	9830.4	10999.7	12652.0	14297.4
40°	14589.3	14724.8	14278.3	12323.7	10680.0	9877.3	9868.7	10624.4	11507.1	13053.4	15218.2
42.5°	15298.2	15412.8	14778.7	12584.3	11189.1	10782.6	10848.6	11689.5	12172.5	13519.0	15958.4
45°	15831.6	15934.1	15240.8	12836.2	11859.8	11828.5	12217.7	12831.0	13011.7	13937.7	16392.7
47.5°	16285.0	16384.1	15562.2	13218.4	12688.5	13077.7	13755.3	14021.1	13729.2	14177.5	16879.2
50°	16667.3	16696.8	15782.9	13673.7	13717.1	14608.4	15265.1	15437.2	14438.1	14521.5	17301.4
52.5°	17065.1	17026.9	16163.4	14247.0	14829.0	16060.9	16538.7	16717.6	15117.5	14945.5	17916.5
55°	17956.4	17992.9	17016.5	14969.8	15953.2	17487.3	18116.3	17944.3	15869.8	15725.6	18698.3
57.5°	19033.7	19002.4	18217.1	16100.9	17098.1	18814.7	19283.8	19007.6	16874.0	16797.6	19490.6
60°	19452.4	19494.1	19221.3	17317.1	18227.5	19977.1	20456.6	20027.5	18078.1	18043.3	20088.3
62.5°	19031.9	19266.5	19450.6	18399.5	19190.0	20831.9	21308.0	20818.0	19334.2	19586.2	20507.0
65°	18194.5	18244.9	18872.1	19316.9	19653.9	20972.6	21221.1	20960.5	20383.6	20991.7	20487.9
67.5°	17106.8	17150.3	17885.2	19617.4	19056.2	19374.2	19547.9	19471.5	20058.7	21473.0	19544.5
70°	16071.3	16036.6	16813.2	18851.2	16589.1	16106.1	16250.3	16010.5	17308.4	20296.8	17694.1
72.5°	14055.9	14181.0	15015.0	16721.1	13135.0	12349.7	12664.2	12043.9	13312.3	17383.1	14361.7
75°	11010.2	11039.7	12431.4	14033.3	9908.6	8669.8	9095.5	8836.6	10197.0	14500.7	9917.3
77.5°	7623.9	7557.9	9053.8	10718.3	7066.2	6346.9	6353.8	6230.5	7120.0	10676.6	6737.8
80°	4842.2	4741.5	5667.5	6621.4	4856.1	5194.9	5024.7	5019.5	4635.5	6586.6	4074.3
82.5°	2616.6	2727.8	3580.9	4150.7	3483.6	4015.2	3679.9	3572.2	3181.3	4122.9	2606.2
85°	1191.9	1296.1	1909.4	2823.3	2646.1	2675.7	1787.8	2109.3	2632.2	3348.0	1391.7
87.5°	116.4	149.4	394.4	1332.6	903.5	712.4	265.8	512.5	662.0	1190.1	111.2
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: P459135

CATALOG NUMBER: GALN-SA6B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8
2.5°	8996.5	8906.1	8598.6	8344.9	8075.6	7870.6	7603.0	7424.1	7300.7	7114.8	7092.2
5°	8583.0	8362.3	7827.2	7281.6	6810.8	6456.3	6096.7	5766.6	5572.0	5511.2	5433.0
7.5°	7886.2	7514.4	6826.4	6200.9	5660.6	5132.4	4725.8	4437.4	4244.6	4131.6	3996.1
10°	7312.9	6882.0	6044.6	5278.3	4833.6	4505.2	4147.3	3838.0	3600.0	3396.7	3285.5
12.5°	6927.2	6440.7	5499.0	4877.0	4533.0	4183.8	3765.0	3417.5	3066.6	2835.5	2736.5
15°	6810.8	6296.5	5330.5	4677.2	4183.8	3726.8	3257.7	2804.2	2456.7	2237.8	2164.9
17.5°	7095.7	6473.7	5328.7	4411.4	3773.7	3228.2	2627.0	2201.3	1845.2	1681.8	1629.7
20°	7627.4	6814.2	5344.4	4149.0	3328.9	2561.0	1911.2	1562.0	1391.7	1322.2	1296.1
22.5°	8369.2	7333.7	5391.3	3890.1	2842.5	1966.8	1431.7	1254.4	1193.6	1181.5	1176.2
25°	9283.1	7976.6	5549.4	3657.3	2432.4	1501.1	1197.1	1117.2	1082.4	1070.3	1068.5
27.5°	10124.1	8807.1	5740.5	3457.5	2036.3	1294.4	1082.4	1014.7	979.9	978.2	981.7
30°	10883.3	9502.1	5900.3	3233.4	1735.7	1150.2	1007.7	940.0	906.9	905.2	915.6
32.5°	11540.1	10073.7	6018.5	3012.7	1568.9	1061.6	940.0	867.0	839.2	834.0	839.2
35°	12242.0	10643.6	5964.6	2840.7	1473.3	988.6	889.6	818.3	785.3	769.7	769.7
37.5°	13043.0	11230.8	5872.5	2698.2	1429.9	927.8	846.1	776.6	743.6	728.0	726.2
40°	13916.9	11818.1	5745.7	2571.4	1386.5	891.3	816.6	743.6	703.7	688.0	684.6
42.5°	14688.3	12320.2	5641.5	2488.0	1315.2	898.3	790.5	719.3	668.9	648.1	646.3
45°	15359.0	12825.8	5622.4	2439.4	1256.2	887.8	783.6	700.2	641.1	618.5	615.1
47.5°	15883.7	13352.2	5731.8	2411.6	1191.9	832.2	828.8	688.0	616.8	592.5	589.0
50°	16523.1	14099.3	5982.0	2354.2	1132.8	780.1	875.7	686.3	597.7	566.4	557.7
52.5°	17374.4	15072.3	6320.8	2251.7	1047.7	731.5	835.7	686.3	575.1	543.8	533.4
55°	18661.8	16312.8	6652.7	2107.5	927.8	667.2	754.0	665.4	542.1	514.3	507.3
57.5°	19514.9	17219.8	6864.6	1907.7	778.4	620.3	649.8	632.4	509.1	479.5	479.5
60°	19558.4	17463.0	6763.9	1655.8	684.6	576.8	564.7	637.6	479.5	448.3	444.8
62.5°	19058.0	16867.1	6239.1	1429.9	634.2	529.9	510.8	559.5	450.0	418.7	413.5
65°	18276.1	15346.8	5328.7	1322.2	606.4	488.2	460.4	458.7	418.7	389.2	382.2
67.5°	16839.3	13411.3	4378.3	1259.6	592.5	441.3	415.2	406.6	382.2	357.9	354.4
70°	14721.3	11232.5	3511.4	1233.6	585.5	392.7	371.8	361.4	340.5	321.4	319.7
72.5°	11453.2	9111.1	2898.0	1216.2	582.0	347.5	324.9	311.0	298.8	281.5	281.5
75°	8226.8	6703.0	2211.8	1096.3	538.6	298.8	274.5	265.8	248.5	234.6	238.0
77.5°	5186.3	4513.9	1456.0	806.2	417.0	239.8	218.9	213.7	199.8	180.7	192.9
80°	3502.7	3174.3	849.6	507.3	262.4	175.5	168.5	166.8	151.2	130.3	132.0
82.5°	2383.8	2338.6	441.3	288.4	151.2	102.5	99.0	102.5	85.1	69.5	69.5
85°	931.3	1271.8	208.5	112.9	48.6	15.6	22.6	24.3	13.9	6.9	8.7
87.5°	17.4	130.3	5.2	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: P459135

CATALOG NUMBER: GALN-SA6B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8
2.5°	7057.5	7041.8	7067.9	6956.7	6979.3	7021.0	7041.8	7054.0	7226.0	7186.1	7295.5
5°	5505.9	5490.3	5591.1	5605.0	5657.1	5646.7	5697.1	5709.2	5771.8	5794.4	5947.3
7.5°	4004.8	4072.6	4187.2	4246.3	4334.9	4362.7	4336.6	4400.9	4270.6	4364.4	4392.2
10°	3217.7	3136.1	3087.4	3223.0	3240.3	3368.9	3316.8	3275.1	3351.5	3355.0	3428.0
12.5°	2679.1	2503.7	2387.2	2425.5	2467.2	2522.8	2531.4	2614.8	2670.4	2722.6	2766.0
15°	2100.6	2039.8	1933.8	1881.6	1940.7	1963.3	2017.2	2086.7	2145.7	2161.4	2220.4
17.5°	1612.3	1622.8	1605.4	1574.1	1610.6	1628.0	1631.5	1633.2	1648.8	1638.4	1725.3
20°	1297.9	1334.4	1377.8	1384.7	1396.9	1405.6	1390.0	1330.9	1332.6	1369.1	1396.9
22.5°	1174.5	1181.5	1230.1	1245.7	1284.0	1268.3	1223.2	1195.4	1191.9	1200.6	1214.5
25°	1077.2	1087.6	1122.4	1146.7	1176.2	1148.4	1115.4	1089.4	1085.9	1094.6	1108.5
27.5°	990.3	1006.0	1037.3	1061.6	1089.4	1063.3	1032.0	1009.5	1007.7	1006.0	1014.7
30°	920.8	938.2	960.8	988.6	1007.7	985.1	955.6	943.4	941.7	938.2	941.7
32.5°	851.3	879.1	901.7	915.6	934.7	917.4	894.8	887.8	875.7	865.2	860.0
35°	773.2	802.7	837.4	854.8	873.9	856.6	840.9	811.4	790.5	788.8	792.3
37.5°	728.0	740.1	767.9	797.5	816.6	807.9	778.4	748.8	743.6	743.6	747.1
40°	688.0	693.2	705.4	743.6	778.4	752.3	715.8	707.1	707.1	705.4	707.1
42.5°	648.1	653.3	653.3	682.8	738.4	696.7	668.9	668.9	668.9	670.7	675.9
45°	611.6	613.3	611.6	632.4	684.6	649.8	630.7	635.9	639.4	642.9	646.3
47.5°	580.3	582.0	580.3	597.7	623.7	609.8	599.4	606.4	613.3	618.5	622.0
50°	552.5	550.8	554.2	564.7	576.8	580.3	573.4	583.8	587.3	594.2	602.9
52.5°	528.2	526.4	529.9	535.1	552.5	552.5	552.5	561.2	568.1	575.1	587.3
55°	500.4	502.1	507.3	514.3	536.9	533.4	535.1	542.1	549.0	559.5	566.4
57.5°	474.3	477.8	484.7	495.2	517.8	516.0	517.8	521.2	529.9	535.1	542.1
60°	444.8	451.7	460.4	467.4	490.0	488.2	496.9	503.9	509.1	509.1	512.5
62.5°	415.2	425.7	434.4	439.6	463.9	465.6	477.8	483.0	486.5	483.0	488.2
65°	385.7	401.3	404.8	411.8	436.1	437.8	451.7	463.9	460.4	456.9	465.6
67.5°	356.2	375.3	373.5	382.2	406.6	410.0	422.2	443.0	436.1	432.6	439.6
70°	323.2	337.1	338.8	344.0	377.0	371.8	390.9	410.0	404.8	406.6	406.6
72.5°	286.7	298.8	298.8	309.3	344.0	335.3	351.0	371.8	371.8	370.1	370.1
75°	243.2	250.2	257.1	272.8	309.3	298.8	309.3	328.4	331.9	328.4	328.4
77.5°	196.3	206.8	210.2	231.1	257.1	255.4	265.8	274.5	281.5	278.0	278.0
80°	139.0	149.4	163.3	185.9	201.5	206.8	212.0	218.9	222.4	222.4	225.9
82.5°	78.2	93.8	106.0	128.6	135.5	161.6	159.8	165.1	159.8	140.7	156.4
85°	17.4	33.0	46.9	59.1	67.8	93.8	99.0	111.2	92.1	85.1	85.1
87.5°	0.0	0.0	0.0	0.0	0.0	13.9	27.8	38.2	33.0	27.8	27.8
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: P459135
 CATALOG NUMBER: GALN-SA6B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8	8464.8
2.5°	7387.6	7538.8	7721.2	8035.7	8256.3	8494.3	8734.1	8989.5	9057.3	9126.8
5°	5989.0	6286.1	6447.6	6869.8	7312.9	7875.8	8336.2	8840.1	9050.3	9099.0
7.5°	4536.5	4738.0	5161.9	5589.3	6138.4	6729.1	7434.5	8219.8	8464.8	8567.3
10°	3596.5	3871.0	4242.8	4701.5	5182.8	5818.7	6614.4	7531.8	7879.3	7936.6
12.5°	3061.4	3367.2	3772.0	4256.7	4711.9	5191.5	5994.2	6941.1	7312.9	7436.2
15°	2448.1	2818.1	3285.5	3796.3	4291.5	4816.2	5629.3	6697.8	7127.0	7271.2
17.5°	1923.3	2222.2	2727.8	3282.0	3869.3	4533.0	5552.9	6814.2	7342.4	7476.2
20°	1471.6	1685.3	2111.0	2696.5	3384.5	4253.3	5572.0	7253.8	7886.2	8068.7
22.5°	1271.8	1381.3	1640.1	2197.9	2967.5	4010.0	5650.2	7856.7	8619.4	8923.5
25°	1151.9	1209.3	1355.2	1720.1	2569.7	3773.7	5829.1	8668.1	9644.5	9846.1
27.5°	1049.4	1091.1	1181.5	1443.8	2208.3	3554.8	6037.6	9568.1	10601.9	10902.4
30°	952.1	1007.7	1092.8	1282.2	1977.2	3355.0	6300.0	10297.8	11408.0	11687.8
32.5°	877.4	933.0	1011.2	1169.3	1780.9	3144.8	6456.3	10938.9	12066.5	12304.5
35°	816.6	863.5	945.2	1079.0	1631.5	2984.9	6425.1	11448.0	12704.2	12947.4
37.5°	773.2	813.1	894.8	993.8	1518.5	2818.1	6409.4	12120.4	13480.8	13762.3
40°	733.2	774.9	849.6	938.2	1405.6	2621.8	6418.1	12787.6	14307.8	14589.3
42.5°	701.9	748.8	809.6	922.6	1289.2	2463.7	6418.1	13367.9	15027.1	15298.2
45°	675.9	726.2	785.3	920.8	1197.1	2343.8	6374.7	13866.5	15600.5	15831.6
47.5°	653.3	708.9	794.0	889.6	1174.5	2256.9	6336.4	14266.1	16067.8	16285.0
50°	637.6	703.7	844.4	853.1	1181.5	2230.9	6520.6	14770.0	16479.6	16667.3
52.5°	625.5	705.4	842.7	799.2	1169.3	2248.2	6904.6	15557.0	17051.2	17065.1
55°	601.2	703.7	799.2	738.4	1118.9	2277.8	7398.0	16700.3	17946.0	17956.4
57.5°	576.8	684.6	741.9	686.3	1016.4	2277.8	7992.2	17782.7	19025.0	19033.7
60°	552.5	712.4	651.5	641.1	882.6	2236.1	8619.4	18258.8	19363.8	19452.4
62.5°	528.2	717.6	582.0	601.2	785.3	2135.3	9086.8	17732.3	18905.1	19031.9
65°	500.4	578.6	536.9	559.5	734.9	1966.8	8939.1	16768.0	18043.3	18194.5
67.5°	467.4	490.0	488.2	516.0	717.6	1718.3	8160.8	15548.3	17115.5	17106.8
70°	427.4	439.6	444.8	474.3	684.6	1525.5	6800.3	13965.5	15876.7	16071.3
72.5°	385.7	396.1	401.3	427.4	651.5	1416.0	5278.3	11785.1	13751.8	14055.9
75°	340.5	347.5	354.4	377.0	616.8	1254.4	3759.8	8996.5	10532.4	11010.2
77.5°	293.6	293.6	302.3	324.9	519.5	1035.5	2522.8	6310.4	7135.7	7623.9
80°	238.0	239.8	236.3	260.6	382.2	708.9	1433.4	4215.0	4748.4	4842.2
82.5°	182.4	177.2	179.0	191.1	284.9	483.0	764.5	2618.3	2668.7	2616.6
85°	114.7	114.7	111.2	125.1	182.4	251.9	417.0	1603.7	1252.7	1191.9
87.5°	46.9	38.2	43.4	50.4	86.9	102.5	163.3	330.1	126.8	116.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)