

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: P459047

Luminaire Tested: **GALN-SA5C-735-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459047
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-SA5C-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA 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: 23554 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

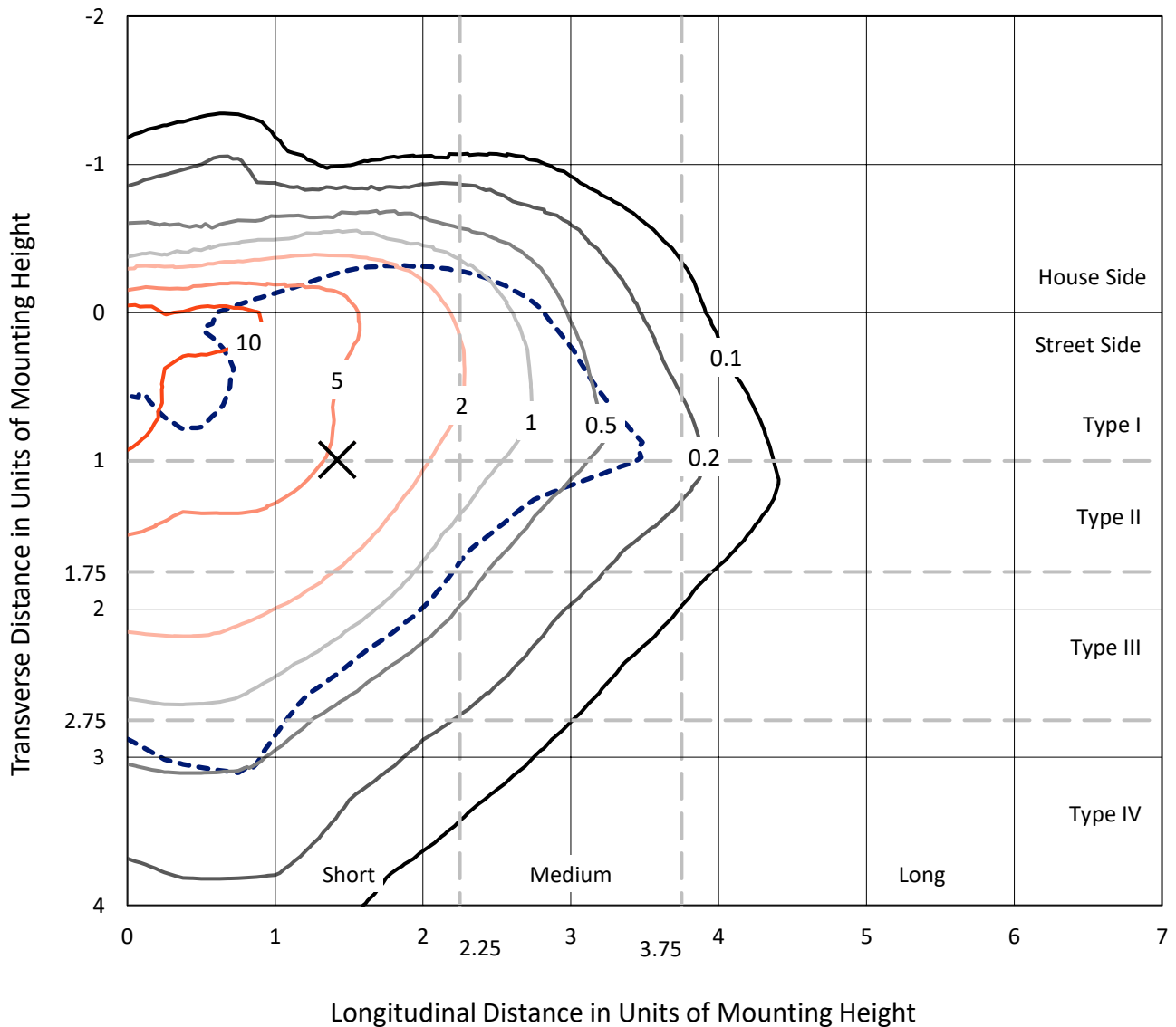
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459047
 CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

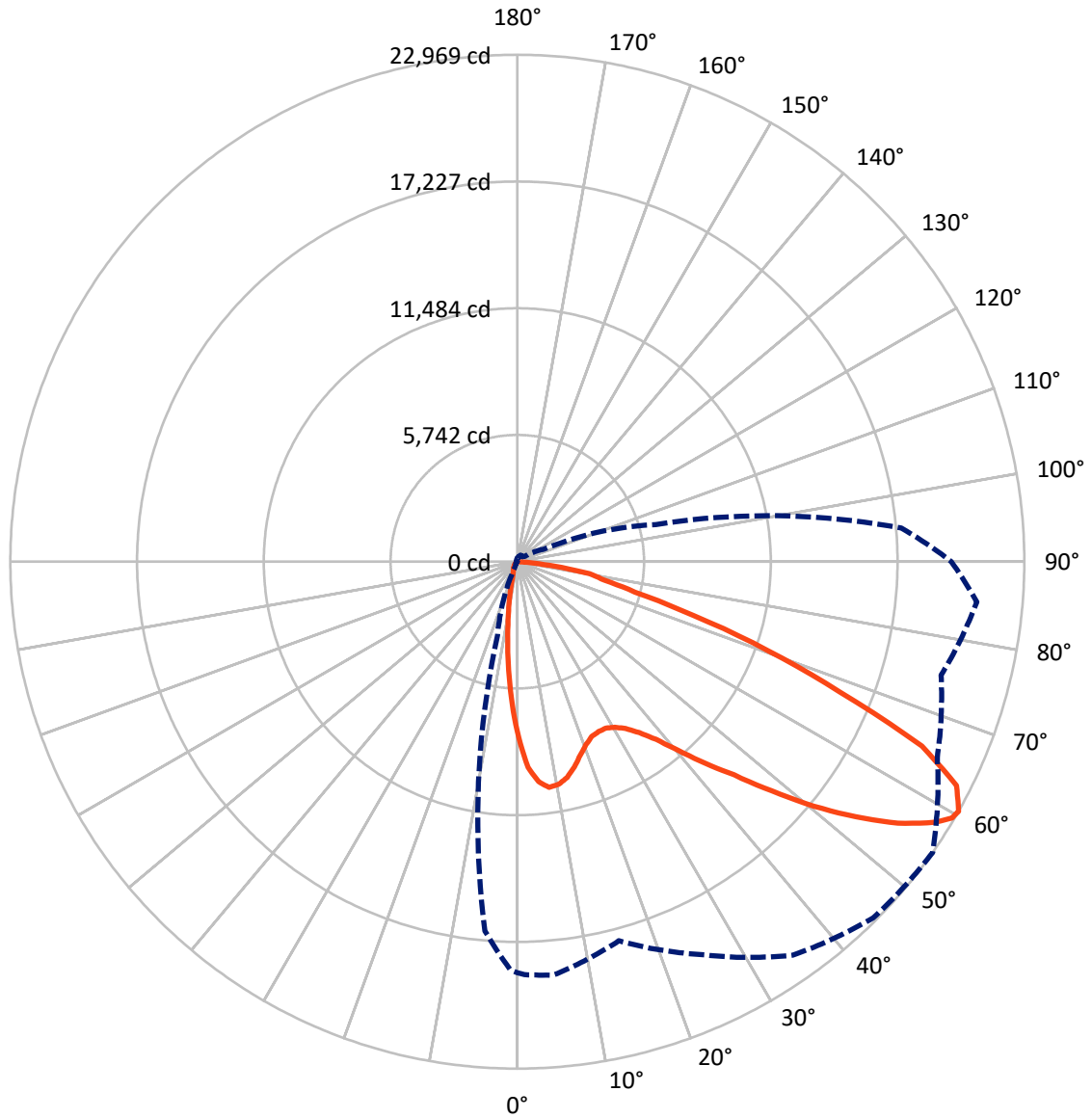
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc
 Type III - Short - N/A

REPORT NUMBER: P459047
CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P459047

CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3495.6	0.0	3495.6
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	20058.4	0.0	20058.4
	% Fixture	85.2	0.0	85.2
Total	Lumens	23554.0	0.0	23554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.6	2.5
10°-20°	1163.0	4.9
20°-30°	1721.4	7.3
30°-40°	2566.0	10.9
40°-50°	3757.9	16.0
50°-60°	5425.3	23.0
60°-70°	5707.1	24.2
70°-80°	2347.7	10.0
80°-90°	275.0	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°	23554.0	100.0
0°-180°	23554.0	100.0

Coefficient of Utilization

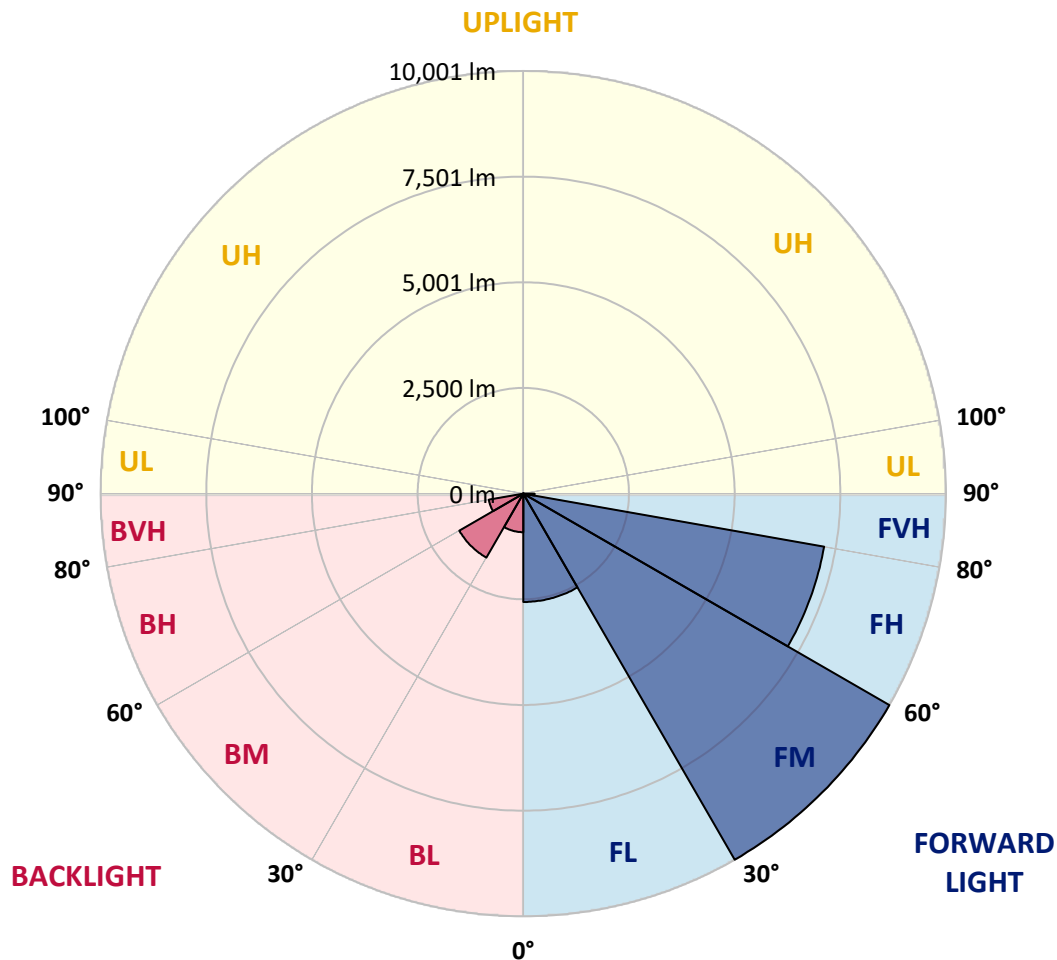


REPORT NUMBER: P459047
 CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2563.0	10.9			
FM (30°-60°)	10001.1	42.5			
FH (60°-80°)	7227.4	30.7			G3/7500
FVH (80°-90°)	266.9	1.1			G3/500
BL (0°-30°)	912.0	3.9	B2/1000		
BM (30°-60°)	1748.1	7.4	B2/2500		
BH (60°-80°)	827.4	3.5	B2/1000		G2/1000
BVH (80°-90°)	8.1	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





REPORT NUMBER: P459047

CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3
2.5°	8713.2	8698.7	8827.4	9037.7	9249.8	9360.4	9338.7	9329.6	9153.8	9025.0	8754.9
5°	8695.1	8769.4	8999.7	9568.9	10000.4	10208.9	10270.6	10011.3	9668.6	9171.9	8559.1
7.5°	8174.7	8267.2	8642.5	9532.7	10299.6	10752.8	10736.5	10321.3	9614.3	8845.6	7971.7
10°	7529.3	7638.1	8078.7	9159.2	10154.5	10752.8	10785.4	10259.7	9380.4	8394.1	7474.9
12.5°	7074.3	7203.0	7690.7	8811.1	9781.1	10370.3	10408.3	10027.6	9204.5	8220.1	7204.8
15°	6920.2	7041.6	7536.6	8635.2	9384.0	9701.3	9692.2	9652.3	9135.6	8261.8	7219.3
17.5°	7184.9	7284.6	7843.0	8715.0	9012.3	8979.7	9026.9	9219.0	9150.1	8611.7	7676.2
20°	7868.4	7969.9	8570.0	8959.8	8727.7	8521.0	8542.8	8863.7	9284.3	9269.8	8390.5
22.5°	8809.3	8981.5	9525.4	9434.8	8689.6	8236.4	8191.1	8608.1	9512.7	10027.6	9355.0
25°	10000.4	10174.5	10598.7	10192.6	8876.4	8169.3	8127.6	8530.1	9790.1	10767.3	10441.0
27.5°	11001.2	11133.5	11556.0	10930.5	9151.9	8198.3	8129.4	8541.0	10014.9	11396.4	11356.5
30°	11802.5	11900.4	12148.8	11275.0	9389.4	8325.2	8245.5	8700.5	10114.6	11702.8	12098.0
32.5°	12448.0	12612.9	12690.9	11643.0	9730.3	8564.5	8428.6	9006.9	10357.6	12081.7	12875.8
35°	13185.8	13376.2	13276.5	11994.7	10179.9	8938.0	8771.2	9503.7	10725.6	12431.6	13778.7
37.5°	14121.3	14340.7	13950.9	12364.6	10654.9	9500.0	9422.1	10201.7	11284.0	12932.0	14746.8
40°	15089.5	15216.4	14605.4	12814.2	11238.7	10317.7	10392.0	11238.7	12014.6	13532.1	15776.6
42.5°	15845.5	15965.1	15278.0	13191.3	11835.2	11287.6	11597.7	12489.7	12852.2	14146.7	16545.3
45°	16423.8	16525.4	15744.0	13602.8	12640.1	12692.7	13278.3	13778.7	13691.7	14522.0	17138.1
47.5°	16873.4	16960.5	16102.9	14045.2	13845.8	14411.4	15307.0	15519.1	14561.9	14928.1	17674.8
50°	17058.4	17083.8	16215.3	14609.0	15214.6	16601.5	17535.2	17406.5	15559.0	15379.5	18245.9
52.5°	17299.5	17294.1	16536.2	15145.7	16501.8	18559.5	19491.4	19199.5	16686.7	16055.8	18887.7
55°	17932.2	17939.5	17223.4	15907.1	17598.6	20140.4	21137.6	20925.5	17876.0	17198.0	19636.4
57.5°	18700.9	18728.1	18200.6	16797.3	18646.5	21286.3	22366.8	22285.2	19484.1	18468.9	20343.5
59°	18800.7	18855.0	18662.9	17424.6	19268.4	21638.0	22787.4	22867.2	20345.3	19306.5	20726.0
60°	18619.4	18710.0	18797.0	17779.9	19632.8	21764.9	22812.8	22968.7	20992.5	19875.8	20900.1
62.5°	17828.9	17972.1	18409.0	18873.2	20087.9	21369.6	22002.4	22328.7	21793.9	21371.5	20916.4
65°	16793.7	16868.0	17498.9	19067.2	19204.9	19524.0	19719.8	20138.6	20831.2	21948.0	20167.6
67.5°	15096.7	15316.1	16088.4	17941.3	16599.7	16222.6	16173.6	15756.6	17555.1	20573.7	18322.0
70°	12471.5	12569.4	13521.2	14708.7	12527.7	11947.6	12179.6	12023.7	13608.3	17711.0	14746.8
72.5°	9431.1	9652.3	10582.4	11724.6	8524.7	7772.3	8412.2	8354.2	10221.6	14233.7	10131.0
75°	6709.9	6853.1	8038.8	9175.5	5970.2	5058.2	5288.5	5504.2	7135.9	11238.7	5986.5
77.5°	4610.4	4733.7	5623.9	6068.1	4354.8	4171.7	3816.3	4024.8	4675.7	6668.2	3257.9
80°	2781.1	2775.7	3361.3	3470.1	3033.1	3522.6	2955.2	3317.8	2826.4	2853.6	1261.8
82.5°	1805.7	1787.6	2055.9	2240.8	1687.9	1774.9	1191.1	1716.9	1842.0	795.9	398.9
85°	808.6	843.0	988.1	1303.5	739.7	393.4	242.9	527.6	785.0	400.7	0.0
87.5°	83.4	65.3	174.0	317.3	101.5	10.9	36.3	18.1	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	0.0



REPORT NUMBER: P459047

CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3
2.5°	8629.8	8524.7	8211.0	7917.3	7665.3	7357.1	7157.7	6844.0	6653.7	6595.6	6604.7
5°	8283.5	7980.8	7384.3	6907.5	6376.3	6073.5	5613.0	5170.6	4931.3	4842.5	4802.6
7.5°	7558.3	7233.8	6514.1	5765.3	5196.0	4664.8	4322.2	3932.4	3665.9	3446.5	3408.4
10°	7019.9	6593.8	5701.8	4896.9	4447.3	4048.4	3705.7	3315.9	3002.3	2752.1	2683.2
12.5°	6697.2	6220.4	5225.0	4550.6	4124.5	3714.8	3268.8	2817.4	2496.5	2226.3	2101.2
15°	6639.1	6086.2	5090.9	4302.2	3776.4	3281.5	2688.7	2201.0	1871.0	1615.4	1537.4
17.5°	6989.1	6327.3	5070.9	4043.0	3321.4	2619.8	2003.3	1599.1	1227.4	1084.2	1028.0
20°	7612.7	6753.4	5069.1	3742.0	2853.6	2017.9	1406.9	1042.5	892.0	823.1	790.5
22.5°	8463.0	7333.5	5165.2	3482.7	2367.8	1488.5	1004.4	830.3	743.3	687.1	674.4
25°	9501.9	8192.9	5400.9	3306.9	1996.1	1167.6	828.5	710.7	638.2	612.8	601.9
27.5°	10424.7	9016.0	5660.1	3125.6	1729.6	1033.4	768.7	650.9	592.8	572.9	556.6
30°	11220.6	9762.9	5785.2	2886.3	1515.7	946.4	779.6	696.2	620.0	560.2	533.0
32.5°	11884.1	10335.8	5866.8	2668.7	1334.4	774.1	616.4	538.5	504.0	482.3	464.1
35°	12714.5	10955.9	5817.9	2545.4	1241.9	705.3	562.0	464.1	406.1	362.6	344.5
37.5°	13584.7	11575.9	5732.7	2443.9	1200.2	654.5	534.8	440.6	377.1	331.8	308.2
40°	14485.7	12150.6	5632.9	2349.6	1162.1	621.9	518.5	420.6	357.2	308.2	282.8
42.5°	15310.7	12710.8	5593.1	2288.0	1100.5	627.3	505.8	411.5	337.2	286.5	264.7
45°	15977.8	13242.0	5647.4	2255.4	1033.4	618.2	509.4	400.7	320.9	271.9	250.2
47.5°	16690.3	13992.6	5823.3	2222.7	968.1	574.7	536.6	398.9	313.6	262.9	239.3
50°	17518.9	14953.5	6225.8	2142.9	888.4	527.6	571.1	397.0	304.6	252.0	228.4
52.5°	18623.0	16044.9	6641.0	2003.3	772.3	482.3	545.7	391.6	286.5	239.3	215.7
55°	19614.7	17194.3	6992.7	1838.4	625.5	417.0	491.3	368.0	255.6	217.6	195.8
57.5°	20024.4	17843.4	6981.8	1609.9	500.4	366.2	404.3	337.2	223.0	192.2	174.0
59°	19873.9	17761.8	6747.9	1441.3	456.9	339.0	335.4	333.6	208.5	174.0	159.5
60°	19661.8	17464.5	6495.9	1357.9	429.7	320.9	308.2	330.0	195.8	163.2	148.7
62.5°	18849.6	16231.7	5660.1	1216.5	393.4	271.9	246.6	279.2	174.0	141.4	128.7
65°	17673.0	14337.1	4791.7	1176.6	382.5	224.8	204.9	199.4	148.7	119.7	108.8
67.5°	15377.7	12132.5	3881.6	1149.4	386.2	188.6	179.5	150.5	123.3	99.7	92.5
70°	12312.0	9460.2	3178.2	1118.6	389.8	154.1	150.5	119.7	99.7	83.4	76.1
72.5°	7480.4	5607.6	2501.9	971.8	378.9	123.3	134.2	90.6	72.5	59.8	56.2
75°	4624.9	3838.1	1551.9	756.0	250.2	90.6	94.3	56.2	49.0	38.1	38.1
77.5°	2679.6	2424.0	554.8	271.9	110.6	54.4	41.7	29.0	27.2	16.3	16.3
80°	1111.4	890.2	192.2	92.5	59.8	25.4	9.1	1.8	0.0	0.0	0.0
82.5°	324.5	288.3	52.6	41.7	18.1	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: P459047
 CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3
2.5°	6450.6	6390.8	6363.6	6456.0	6370.8	6479.6	6396.2	6432.5	6539.4	6586.6	6708.0
5°	4828.0	4766.3	4737.3	4876.9	4869.7	4938.6	4931.3	4994.8	5049.2	4927.7	5052.8
7.5°	3363.1	3321.4	3390.3	3499.1	3615.1	3577.0	3577.0	3491.8	3520.8	3502.7	3497.2
10°	2558.1	2414.9	2378.6	2375.0	2418.5	2427.6	2378.6	2260.8	2304.3	2317.0	2393.1
12.5°	2012.4	1901.8	1733.2	1657.1	1637.1	1653.4	1492.1	1388.7	1437.7	1408.7	1483.0
15°	1443.1	1352.5	1252.8	1167.6	1144.0	1111.4	935.5	812.2	797.7	803.2	815.8
17.5°	1029.8	968.1	968.1	877.5	828.5	730.6	641.8	587.4	582.0	587.4	596.5
20°	759.6	727.0	723.4	699.8	645.4	580.2	518.5	507.6	504.0	513.1	516.7
22.5°	654.5	620.0	591.0	589.2	538.5	484.1	455.1	440.6	442.4	446.0	455.1
25°	585.6	549.3	518.5	500.4	464.1	426.1	398.9	391.6	391.6	397.0	398.9
27.5°	536.6	491.3	464.1	438.7	406.1	373.5	349.9	344.5	340.8	344.5	353.5
30°	502.2	456.9	422.4	384.4	359.0	328.2	308.2	301.0	299.1	301.0	308.2
32.5°	429.7	402.5	375.3	340.8	310.0	290.1	268.3	255.6	255.6	259.3	266.5
35°	324.5	310.0	308.2	299.1	273.8	252.0	226.6	213.9	213.9	221.2	224.8
37.5°	286.5	259.3	255.6	252.0	241.1	212.1	188.6	177.7	175.9	181.3	188.6
40°	261.1	230.2	213.9	210.3	212.1	179.5	154.1	143.2	143.2	145.0	152.3
42.5°	241.1	204.9	175.9	172.2	179.5	150.5	125.1	114.2	114.2	114.2	123.3
45°	224.8	183.1	148.7	130.5	141.4	123.3	101.5	90.6	87.0	90.6	94.3
47.5°	213.9	166.8	130.5	105.2	105.2	97.9	81.6	68.9	65.3	67.1	72.5
50°	204.9	152.3	110.6	85.2	76.1	78.0	61.6	52.6	49.0	49.0	54.4
52.5°	190.4	137.8	96.1	72.5	58.0	52.6	45.3	38.1	36.3	38.1	41.7
55°	172.2	125.1	83.4	59.8	45.3	36.3	32.6	27.2	25.4	27.2	32.6
57.5°	152.3	105.2	67.1	47.1	30.8	23.6	21.8	18.1	14.5	16.3	19.9
59°	139.6	94.3	58.0	38.1	23.6	16.3	16.3	12.7	9.1	10.9	16.3
60°	134.2	87.0	49.0	32.6	19.9	12.7	12.7	9.1	5.4	7.3	12.7
62.5°	114.2	72.5	38.1	19.9	9.1	1.8	5.4	1.8	0.0	1.8	5.4
65°	96.1	58.0	25.4	9.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8
67.5°	79.8	43.5	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	63.5	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	43.5	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	27.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.9	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: P459047
 CATALOG NUMBER: GALN-SA5C-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3	7975.3
2.5°	6715.3	6974.6	7134.1	7435.0	7743.3	7980.8	8278.1	8544.6	8655.2	8713.2
5°	5179.7	5540.5	5846.9	6305.6	6731.6	7250.1	7775.9	8395.9	8633.4	8695.1
7.5°	3635.0	4003.1	4324.0	4855.2	5462.5	6156.9	6943.7	7730.6	8076.8	8174.7
10°	2625.2	3018.6	3410.2	3941.4	4508.9	5261.3	6080.8	7054.3	7453.2	7529.3
12.5°	1657.1	2079.5	2715.9	3372.2	3972.2	4577.8	5435.3	6494.1	6934.7	7074.3
15°	960.9	1276.3	1756.8	2612.5	3375.8	4177.1	5112.6	6283.8	6776.9	6920.2
17.5°	643.6	752.4	1082.4	1736.8	2744.9	3807.3	5031.0	6456.0	7001.7	7184.9
20°	542.1	591.0	707.1	1058.8	2113.9	3477.3	5052.8	6923.8	7639.9	7868.4
22.5°	476.8	522.1	596.5	761.5	1475.8	3067.6	5156.1	7592.8	8517.4	8809.3
25°	420.6	465.9	531.2	630.9	991.7	2594.4	5382.8	8571.8	9679.5	10000.4
27.5°	373.5	415.2	471.4	556.6	763.3	2066.8	5584.0	9525.4	10740.1	11001.2
30°	330.0	364.4	418.8	484.1	634.5	1593.6	5685.5	10359.4	11512.5	11802.5
32.5°	286.5	319.1	371.7	424.2	522.1	1214.7	5614.8	10972.2	12263.0	12448.0
35°	244.8	279.2	322.7	371.7	451.4	980.8	5261.3	11661.1	13040.8	13185.8
37.5°	210.3	239.3	284.6	322.7	407.9	785.0	4833.4	12281.2	13912.8	14121.3
40°	177.7	206.7	252.0	286.5	375.3	618.2	4447.3	12970.1	14832.0	15089.5
42.5°	145.0	179.5	219.4	275.6	322.7	471.4	3979.5	13528.5	15522.8	15845.5
45°	116.0	154.1	197.6	273.8	281.0	359.0	3528.1	13963.6	16133.7	16423.8
47.5°	92.5	130.5	190.4	255.6	230.2	284.6	3270.6	14418.7	16641.4	16873.4
50°	74.3	108.8	199.4	224.8	192.2	241.1	3263.4	14926.3	16904.3	17058.4
52.5°	59.8	88.8	168.6	172.2	163.2	212.1	3459.2	15497.4	17172.6	17299.5
55°	50.8	74.3	110.6	126.9	146.9	192.2	3606.0	16376.7	17812.6	17932.2
57.5°	39.9	63.5	85.2	101.5	130.5	175.9	3626.0	17054.7	18623.0	18700.9
59°	34.4	54.4	76.1	90.6	119.7	165.0	3544.4	17096.4	18675.6	18800.7
60°	29.0	49.0	67.1	85.2	110.6	155.9	3455.5	16793.7	18479.8	18619.4
62.5°	21.8	38.1	49.0	68.9	90.6	134.2	3034.9	15736.7	17731.0	17828.9
65°	14.5	27.2	36.3	50.8	70.7	116.0	2472.9	14366.1	16574.3	16793.7
67.5°	9.1	19.9	29.0	38.1	58.0	97.9	1762.2	12319.2	14955.3	15096.7
70°	5.4	12.7	21.8	30.8	45.3	78.0	1046.1	9737.5	12442.5	12471.5
72.5°	3.6	9.1	14.5	21.8	36.3	70.7	507.6	6347.3	9084.9	9431.1
75°	1.8	5.4	9.1	16.3	29.0	58.0	242.9	4240.6	6610.1	6709.9
77.5°	0.0	1.8	5.4	10.9	21.8	45.3	141.4	2784.7	4507.1	4610.4
80°	0.0	0.0	3.6	9.1	16.3	29.0	85.2	1642.6	2730.4	2781.1
82.5°	0.0	0.0	1.8	7.3	10.9	21.8	43.5	721.6	1787.6	1805.7
85°	0.0	0.0	1.8	7.3	9.1	14.5	16.3	97.9	794.1	808.6
87.5°	0.0	0.0	1.8	9.1	9.1	9.1	9.1	5.4	67.1	83.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)