

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: P527510

Luminaire Tested: **GALN-SA2C-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9808 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

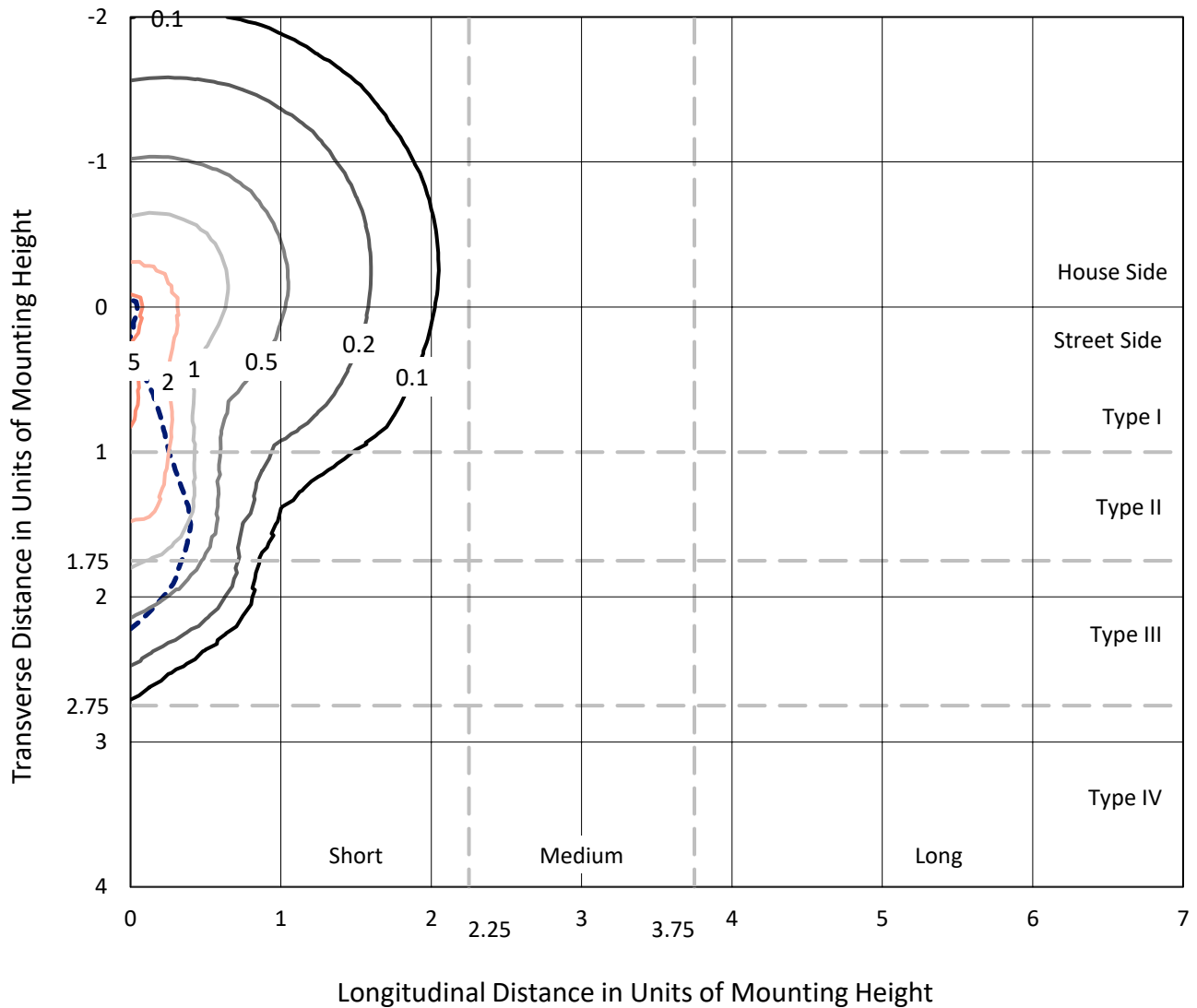
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527510
 CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

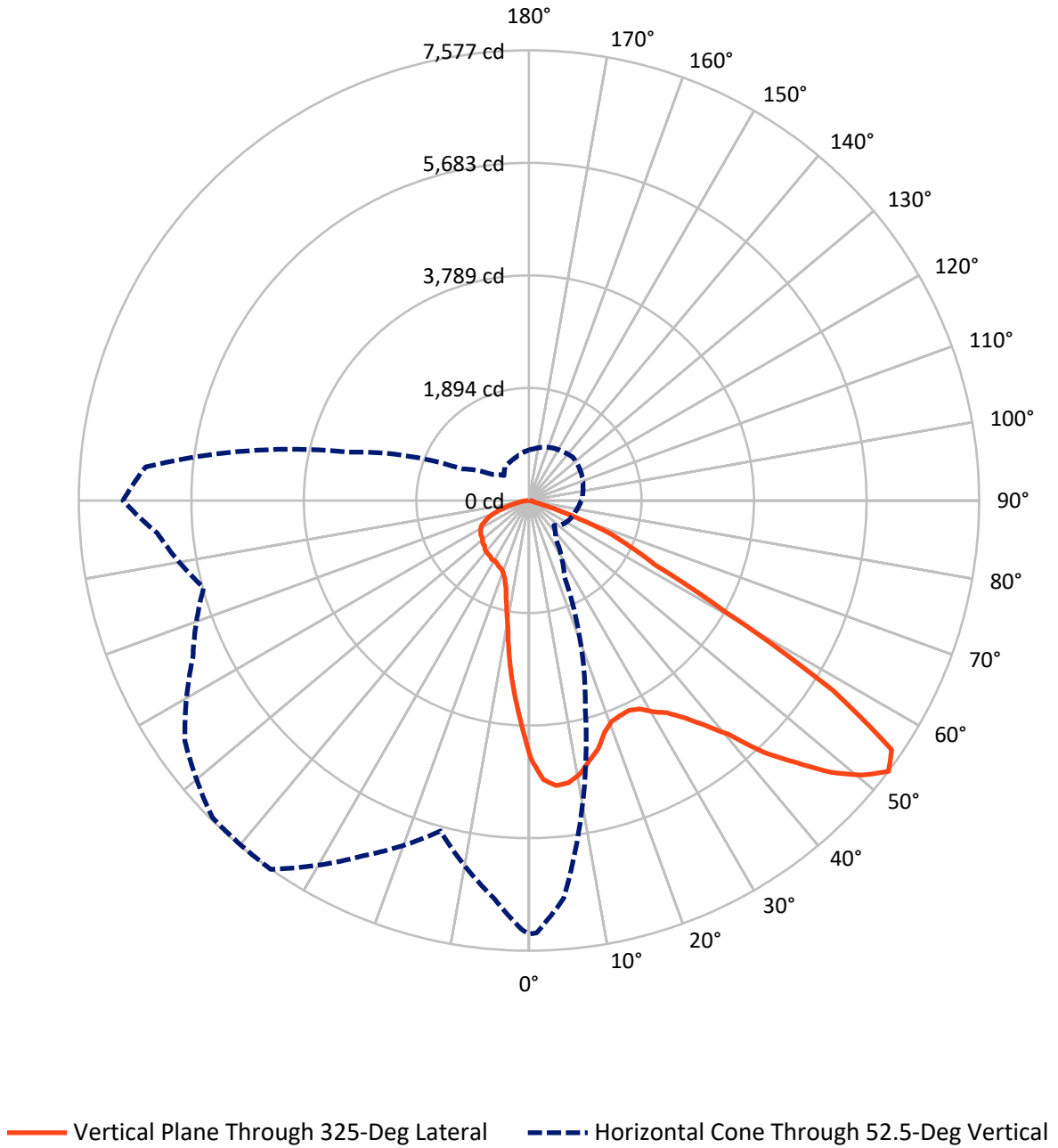
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

REPORT NUMBER: P527510
CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P527510
 CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

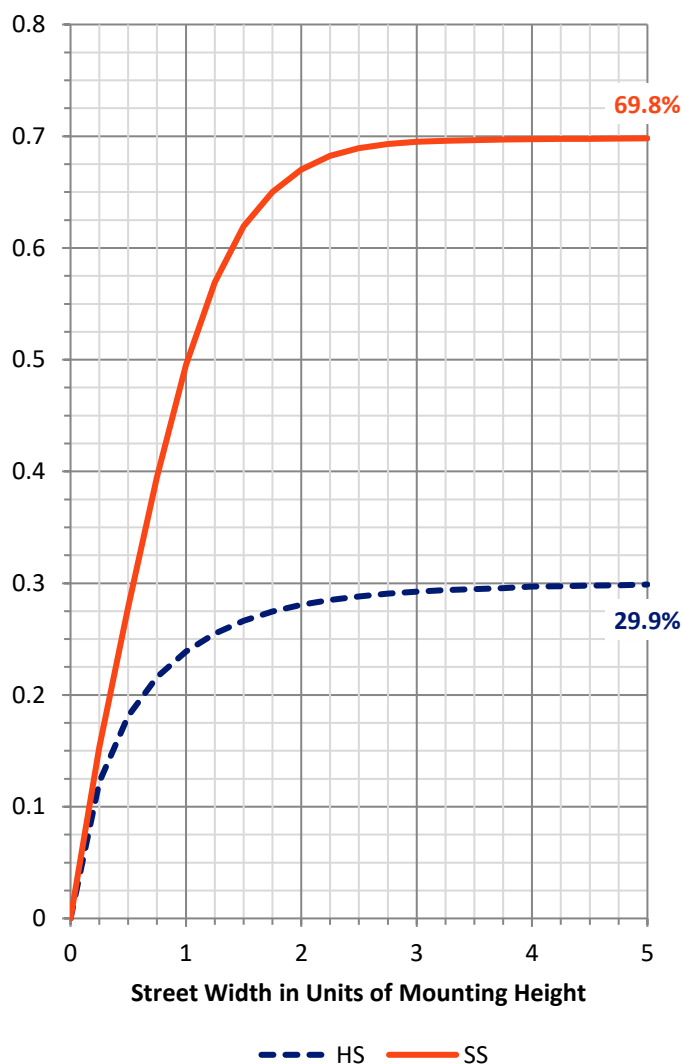
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2956.7	0.0	2956.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	6851.3	0.0	6851.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	9808.0	0.0	9808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.1	3.4
10°-20°	719.9	7.3
20°-30°	1087.7	11.1
30°-40°	1571.8	16.0
40°-50°	2091.8	21.3
50°-60°	2339.7	23.9
60°-70°	1318.7	13.4
70°-80°	293.9	3.0
80°-90°	52.3	0.5
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°	9808.0	100.0
0°-180°	9808.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527510

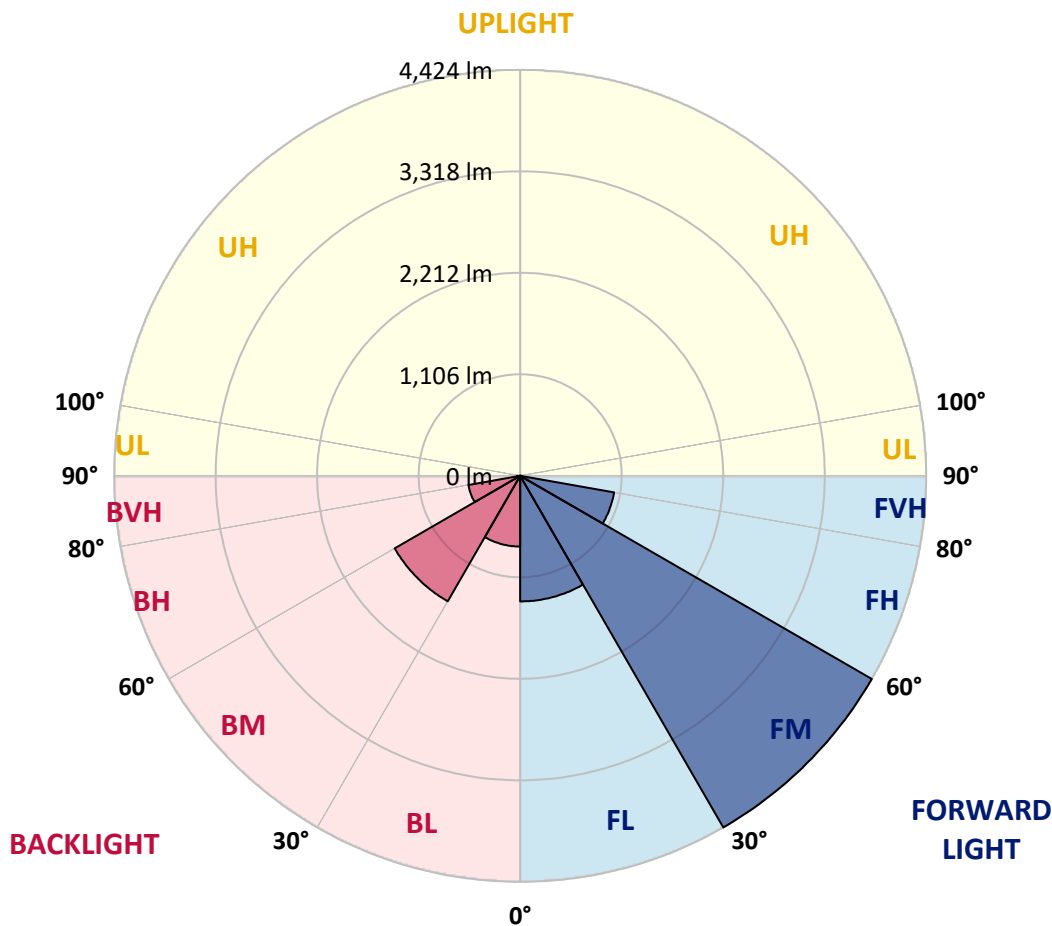
CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1368.7	14.0			
FM (30°-60°)	4424.2	45.1			
FH (60°-80°)	1039.5	10.6			G1/1800
FVH (80°-90°)	19.0	0.2			G1/100
BL (0°-30°)	771.0	7.9	B2/1000		
BM (30°-60°)	1579.2	16.1	B2/2500		
BH (60°-80°)	573.1	5.8	B2/1000		G2/1000
BVH (80°-90°)	33.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P527510

CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9
2.5°	4425.4	4496.4	4419.7	4283.2	4186.5	4098.4	4006.0	3987.5	3866.7	3845.3	3757.2
5°	4173.7	4158.1	4064.3	3885.2	3687.6	3508.4	3376.2	3248.3	3161.6	3060.6	3053.5
7.5°	3868.1	3777.1	3723.1	3451.6	3207.1	2925.6	2804.8	2610.0	2548.9	2457.9	2411.0
10°	3595.2	3528.3	3401.8	3130.3	2789.1	2602.9	2473.5	2368.3	2297.3	2203.4	2085.4
12.5°	3460.1	3433.1	3290.9	2870.2	2617.1	2418.1	2327.1	2224.8	2103.9	1953.2	1895.0
15°	3484.3	3393.3	3285.3	2820.4	2470.7	2278.8	2133.8	2005.8	1850.9	1707.3	1623.4
17.5°	3664.8	3595.2	3379.1	2851.7	2415.2	2138.0	1875.1	1686.0	1546.7	1417.3	1359.0
20°	4020.2	3919.3	3676.2	2891.5	2295.8	1941.9	1640.5	1407.4	1258.1	1189.9	1170.0
22.5°	4414.0	4354.3	3966.2	2981.0	2200.6	1759.9	1391.7	1158.6	1103.1	1084.7	1121.6
25°	4893.0	4738.1	4416.8	3127.5	2126.7	1605.0	1181.3	1052.0	1023.5	1042.0	1084.7
27.5°	5257.0	5215.7	4732.4	3265.3	2025.7	1418.7	1063.3	978.0	986.6	1005.1	1044.9
30°	5689.1	5480.2	5038.0	3360.6	1934.8	1290.8	980.9	958.1	966.7	997.9	1017.8
32.5°	5949.3	5871.1	5230.0	3504.2	1829.6	1179.9	916.9	895.6	908.4	955.3	1002.2
35°	6280.5	6125.5	5467.4	3541.1	1755.6	1135.8	871.4	855.8	885.6	918.3	970.9
37.5°	6667.2	6560.6	5795.7	3515.5	1715.8	1090.3	833.0	825.9	847.3	892.7	953.9
40°	6896.0	6863.3	5967.8	3531.2	1653.3	1050.5	789.0	797.5	841.6	877.1	936.8
42.5°	7116.4	6903.1	6222.2	3525.5	1613.5	996.5	793.2	783.3	817.4	858.6	915.5
45°	7164.7	6952.9	6281.9	3485.7	1565.1	943.9	760.5	764.8	806.0	857.2	894.2
47.5°	7133.4	6977.1	6392.8	3474.3	1519.7	907.0	712.2	763.4	787.6	828.8	881.4
50°	7112.1	7103.6	6486.6	3528.3	1458.5	848.7	653.9	744.9	769.1	810.3	867.2
52.5°	7299.8	7281.3	6721.2	3670.5	1410.2	786.1	594.2	698.0	756.3	796.1	851.5
55°	7413.5	7332.5	7123.5	3845.3	1329.2	703.7	553.0	639.7	725.0	760.5	817.4
57.5°	6668.6	6613.1	6444.0	3589.5	1192.7	595.6	501.8	580.0	682.4	737.8	796.1
60°	5548.4	5461.7	5028.1	3050.7	880.0	463.4	470.5	533.1	671.0	692.3	760.5
62.5°	5231.4	5016.7	4426.8	2455.1	675.2	398.0	422.2	490.4	611.3	646.8	715.1
65°	4151.0	3991.8	3167.3	1772.7	452.1	345.4	385.2	442.1	527.4	597.1	659.6
67.5°	2598.6	2446.5	1690.2	838.7	315.6	295.7	344.0	403.7	473.4	535.9	605.6
70°	1357.6	1191.3	780.4	302.8	217.5	241.7	287.2	344.0	412.3	463.4	517.5
72.5°	506.1	410.8	254.5	130.8	150.7	184.8	233.1	274.4	322.7	385.2	415.1
75°	78.2	66.8	65.4	79.6	102.4	133.6	166.3	207.5	250.2	290.0	309.9
77.5°	37.0	35.5	39.8	52.6	68.2	95.2	120.8	160.6	194.8	220.3	231.7
80°	24.2	22.7	25.6	35.5	51.2	71.1	96.7	123.7	155.0	176.3	173.4
82.5°	14.2	15.6	15.6	24.2	35.5	51.2	69.7	93.8	115.1	133.6	122.3
85°	8.5	7.1	7.1	14.2	24.2	41.2	58.3	39.8	41.2	41.2	46.9
87.5°	2.8	2.8	2.8	1.4	2.8	2.8	4.3	7.1	8.5	10.0	12.8
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: P527510

CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9
2.5°	3754.4	3798.4	3782.8	3727.4	3770.0	3777.1	3748.7	3846.8	3865.3	3835.4	3843.9
5°	3043.6	3055.0	3080.5	3134.6	3172.9	3218.4	3218.4	3221.3	3182.9	3279.6	3251.1
7.5°	2371.2	2378.3	2408.1	2523.3	2556.0	2642.7	2679.7	2654.1	2577.3	2544.6	2571.6
10°	2047.1	2005.8	1995.9	2010.1	2084.0	2121.0	2152.3	2143.7	2130.9	2105.3	2076.9
12.5°	1831.0	1801.1	1777.0	1742.8	1747.1	1782.7	1806.8	1786.9	1792.6	1798.3	1806.8
15°	1596.4	1575.1	1562.3	1511.1	1505.4	1529.6	1538.1	1549.5	1570.8	1572.3	1562.3
17.5°	1347.6	1329.2	1357.6	1386.0	1366.1	1367.6	1383.2	1393.1	1387.5	1361.9	1349.1
20°	1177.1	1197.0	1225.4	1252.4	1273.7	1286.5	1292.2	1276.6	1258.1	1205.5	1204.1
22.5°	1127.3	1152.9	1177.1	1218.3	1238.2	1270.9	1241.0	1205.5	1179.9	1154.3	1124.5
25°	1090.3	1111.7	1160.0	1175.6	1214.0	1241.0	1219.7	1184.2	1140.1	1103.1	1080.4
27.5°	1063.3	1087.5	1118.8	1161.4	1191.3	1206.9	1185.6	1171.4	1125.9	1081.8	1049.1
30°	1046.3	1071.9	1128.7	1164.3	1189.9	1202.6	1165.7	1148.6	1115.9	1079.0	1050.5
32.5°	1034.9	1057.6	1106.0	1151.5	1168.5	1168.5	1174.2	1154.3	1108.8	1046.3	1022.1
35°	997.9	1029.2	1069.0	1121.6	1152.9	1171.4	1142.9	1120.2	1090.3	1026.4	982.3
37.5°	976.6	997.9	1049.1	1098.9	1125.9	1145.8	1134.4	1094.6	1054.8	1002.2	966.7
40°	953.9	988.0	1033.5	1080.4	1110.2	1130.1	1121.6	1074.7	1026.4	976.6	952.5
42.5°	938.2	961.0	1007.9	1060.5	1096.0	1134.4	1108.8	1050.5	1016.4	948.2	921.2
45°	925.4	962.4	1012.2	1033.5	1070.4	1110.2	1064.8	1029.2	989.4	939.7	916.9
47.5°	909.8	943.9	976.6	1033.5	1050.5	1069.0	1060.5	1003.6	969.5	915.5	899.9
50°	904.1	916.9	976.6	1007.9	1032.1	1050.5	1027.8	985.1	952.5	897.0	862.9
52.5°	881.4	905.5	943.9	985.1	1015.0	1037.7	1000.8	973.8	929.7	871.4	850.1
55°	852.9	867.2	935.4	978.0	993.7	1009.3	995.1	951.0	905.5	845.8	824.5
57.5°	816.0	848.7	904.1	963.8	983.7	992.3	969.5	934.0	877.1	824.5	790.4
60°	777.6	811.7	872.8	921.2	941.1	972.4	938.2	916.9	851.5	793.2	756.3
62.5°	739.2	777.6	823.1	884.2	901.3	914.1	905.5	875.7	823.1	757.7	712.2
65°	693.7	722.2	779.0	810.3	821.7	851.5	821.7	810.3	763.4	700.8	662.5
67.5°	625.5	649.7	699.4	729.3	737.8	750.6	749.2	736.4	683.8	641.1	607.0
70°	547.3	568.6	599.9	635.4	639.7	655.3	641.1	638.3	604.2	545.9	527.4
72.5°	439.3	459.2	500.4	516.0	517.5	523.1	516.0	506.1	497.5	436.4	417.9
75°	336.9	348.3	368.2	382.4	382.4	389.5	385.2	375.3	352.5	314.2	295.7
77.5°	234.6	245.9	271.5	280.0	278.6	281.5	268.7	258.7	224.6	204.7	189.1
80°	170.6	177.7	190.5	196.2	197.6	201.9	186.2	177.7	157.8	135.0	127.9
82.5°	123.7	127.9	129.4	136.5	136.5	129.4	125.1	116.6	102.4	88.1	82.5
85°	51.2	52.6	54.0	62.5	64.0	76.8	71.1	66.8	58.3	49.8	45.5
87.5°	12.8	14.2	18.5	15.6	18.5	18.5	19.9	22.7	22.7	18.5	18.5
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: P527510

CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9
2.5°	3876.6	3888.0	4033.0	4051.5	4122.6	4195.1	4341.5	4446.7	4532.0	4587.4	4603.0
5°	3281.0	3353.5	3420.3	3528.3	3626.4	3765.7	3926.4	4125.4	4375.6	4503.5	4554.7
7.5°	2568.8	2654.1	2750.7	2855.9	2999.5	3249.7	3464.4	3694.7	4014.5	4146.7	4347.2
10°	2096.8	2192.1	2320.0	2401.0	2574.5	2813.3	3063.5	3329.3	3635.0	3825.4	4057.2
12.5°	1853.7	1931.9	2049.9	2220.5	2349.9	2504.8	2691.0	3026.5	3464.4	3644.9	3804.1
15°	1585.1	1671.8	1808.2	1997.3	2152.3	2337.1	2546.0	2911.4	3377.7	3656.3	3791.3
17.5°	1363.3	1425.8	1569.4	1732.9	1910.6	2112.5	2412.4	2905.7	3468.6	3825.4	4045.8
20°	1209.8	1218.3	1296.5	1435.8	1677.5	1940.4	2330.0	2877.3	3760.1	4116.9	4395.5
22.5°	1113.1	1104.6	1106.0	1224.0	1393.1	1771.3	2200.6	2973.9	4091.3	4580.3	4767.9
25°	1064.8	1042.0	1027.8	1053.4	1206.9	1570.8	2102.5	3101.9	4448.1	4962.7	5193.0
27.5°	1039.2	999.4	970.9	975.2	1087.5	1469.9	2041.4	3157.3	4802.1	5495.8	5576.8
30°	1029.2	979.5	938.2	924.0	997.9	1329.2	1910.6	3252.6	5119.1	5788.6	5858.3
32.5°	993.7	932.6	892.7	880.0	909.8	1205.5	1816.8	3320.8	5399.1	6107.1	6082.9
35°	952.5	901.3	851.5	827.4	848.7	1125.9	1741.4	3288.1	5728.9	6354.4	6341.6
37.5°	948.2	881.4	840.1	800.3	798.9	1027.8	1639.1	3319.4	5939.3	6798.0	6623.1
40°	911.2	868.6	814.6	781.9	763.4	978.0	1539.6	3245.4	6247.8	6977.1	6805.1
42.5°	912.6	848.7	801.8	763.4	744.9	905.5	1471.3	3225.5	6355.8	7268.5	6890.4
45°	889.9	827.4	787.6	742.1	732.1	850.1	1405.9	3133.1	6546.3	7282.7	6783.7
47.5°	867.2	811.7	769.1	715.1	692.3	830.2	1354.8	3056.4	6446.8	7149.1	6635.9
50°	851.5	787.6	747.7	709.4	645.4	796.1	1287.9	3037.9	6307.5	6968.5	6361.5
52.5°	824.5	767.6	726.4	696.6	594.2	764.8	1262.4	3145.9	6478.1	6833.5	6281.9
55°	798.9	740.6	688.0	629.8	551.6	682.4	1191.3	3246.9	6726.9	7144.8	6643.0
57.5°	771.9	716.5	659.6	590.0	510.3	597.1	1117.4	3265.3	6260.6	6603.2	6306.1
60°	736.4	665.3	622.6	531.7	466.3	494.7	885.6	2878.7	4856.1	5514.3	5524.2
62.5°	696.6	619.8	582.8	476.2	420.8	426.5	722.2	2419.5	3939.2	4564.7	4836.2
65°	644.0	570.1	526.0	440.7	388.1	369.6	528.8	1772.7	2992.4	3703.2	4011.7
67.5°	575.7	506.1	450.6	383.8	346.9	317.0	361.1	997.9	1767.0	2486.3	2580.2
70°	503.2	443.5	385.2	329.8	288.6	267.3	264.4	442.1	844.4	1337.7	1522.5
72.5°	396.6	354.0	307.1	265.8	238.8	207.5	189.1	183.4	285.7	544.5	752.0
75°	284.3	248.8	221.8	194.8	174.9	157.8	143.6	130.8	119.4	136.5	187.6
77.5°	179.1	166.3	145.0	137.9	126.5	122.3	116.6	109.5	100.9	95.2	95.2
80°	120.8	112.3	105.2	103.8	99.5	98.1	99.5	92.4	83.9	76.8	79.6
82.5°	81.0	79.6	78.2	76.8	78.2	79.6	82.5	81.0	73.9	69.7	71.1
85°	48.3	51.2	54.0	56.9	62.5	55.4	45.5	38.4	34.1	31.3	29.9
87.5°	18.5	25.6	22.7	21.3	22.7	21.3	19.9	18.5	15.6	14.2	14.2
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: P527510

CATALOG NUMBER: GALN-SA2C-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9	4352.9
2.5°	4706.8	4735.3	4759.4	4753.7	4704.0	4637.2	4610.2	4472.3	4443.8	4425.4
5°	4770.8	4935.7	4971.2	4949.9	4820.5	4657.1	4497.9	4296.0	4178.0	4173.7
7.5°	4652.8	4856.1	4920.1	4968.4	4796.4	4512.1	4239.1	3936.3	3862.4	3868.1
10°	4352.9	4677.0	4834.8	4884.5	4686.9	4441.0	4062.9	3755.8	3598.0	3595.2
12.5°	4186.5	4441.0	4485.1	4554.7	4496.4	4247.7	3960.5	3616.5	3462.9	3460.1
15°	4038.7	4206.4	4219.2	4317.3	4348.6	4180.8	3987.5	3620.7	3497.1	3484.3
17.5°	4168.0	4051.5	4003.1	4015.9	4108.3	4169.5	4143.9	3862.4	3735.9	3664.8
20°	4254.8	3994.6	3848.2	3862.4	3971.9	4195.1	4377.0	4212.1	4011.7	4020.2
22.5°	4486.5	4003.1	3774.3	3758.6	3932.1	4328.7	4640.0	4654.2	4460.9	4414.0
25°	4833.3	4101.2	3751.5	3747.3	3913.6	4472.3	4947.1	5177.4	4979.8	4893.0
27.5°	5112.0	4254.8	3822.6	3836.8	3971.9	4588.8	5208.6	5514.3	5363.6	5257.0
30°	5356.5	4414.0	3922.1	3856.7	4128.2	4650.0	5320.9	5898.1	5777.3	5689.1
32.5°	5457.4	4640.0	4079.9	3971.9	4257.6	4723.9	5554.1	6270.6	6166.8	5949.3
35°	5628.0	4766.5	4165.2	4156.7	4483.6	4901.6	5663.5	6516.5	6473.8	6280.5
37.5°	5764.5	4894.5	4468.0	4374.2	4793.5	5200.1	5839.8	6856.2	6758.1	6667.2
40°	5869.7	5123.3	4750.9	4874.6	5174.5	5471.6	6001.9	6877.6	7160.5	6896.0
42.5°	5773.0	5328.0	5215.7	5511.4	5795.7	5781.5	6020.4	7042.5	7254.3	7116.4
45°	5748.8	5674.9	5950.7	6219.4	6284.8	6038.8	5888.1	6860.5	7225.8	7164.7
47.5°	5690.5	6016.1	6496.6	6934.4	6834.9	6210.8	5730.4	6827.8	7242.9	7133.4
50°	5670.6	6090.0	6900.3	7326.8	7267.1	6360.1	5656.4	6617.4	7122.1	7112.1
52.5°	5669.2	6242.1	7068.1	7540.0	7577.0	6596.1	5757.4	6724.0	7215.9	7299.8
55°	5733.2	6193.8	7046.7	7422.0	7407.8	6490.9	5768.7	6795.1	7331.0	7413.5
57.5°	5407.7	5548.4	5815.6	6112.8	6036.0	5376.4	5151.8	6281.9	6728.3	6668.6
60°	4669.9	4229.2	3927.8	3913.6	3764.3	3558.2	4216.4	5606.7	5606.7	5548.4
62.5°	4089.9	2776.3	2385.4	2274.5	2381.1	2618.5	4067.1	5453.1	5298.2	5231.4
65°	3576.7	2119.6	1724.4	1693.1	1877.9	2236.1	3677.6	4645.7	4372.8	4151.0
67.5°	2301.5	1552.4	1282.3	1226.8	1450.0	1641.9	2447.9	2857.4	2685.3	2598.6
70°	1484.1	1010.7	713.6	669.6	756.3	1012.2	1563.7	1666.1	1415.9	1357.6
72.5°	702.3	436.4	250.2	206.1	231.7	386.7	618.4	665.3	553.0	506.1
75°	223.2	160.6	102.4	88.1	83.9	99.5	142.2	109.5	79.6	78.2
77.5°	99.5	95.2	81.0	68.2	59.7	49.8	41.2	34.1	35.5	37.0
80°	82.5	75.3	66.8	59.7	49.8	38.4	29.9	22.7	22.7	24.2
82.5°	72.5	65.4	58.3	49.8	42.6	31.3	22.7	15.6	14.2	14.2
85°	31.3	37.0	39.8	42.6	34.1	25.6	15.6	10.0	8.5	8.5
87.5°	12.8	11.4	10.0	8.5	7.1	7.1	5.7	4.3	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)