

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: P650916

Luminaire Tested: **GALN-SA5C-840-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-840-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25522.7 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

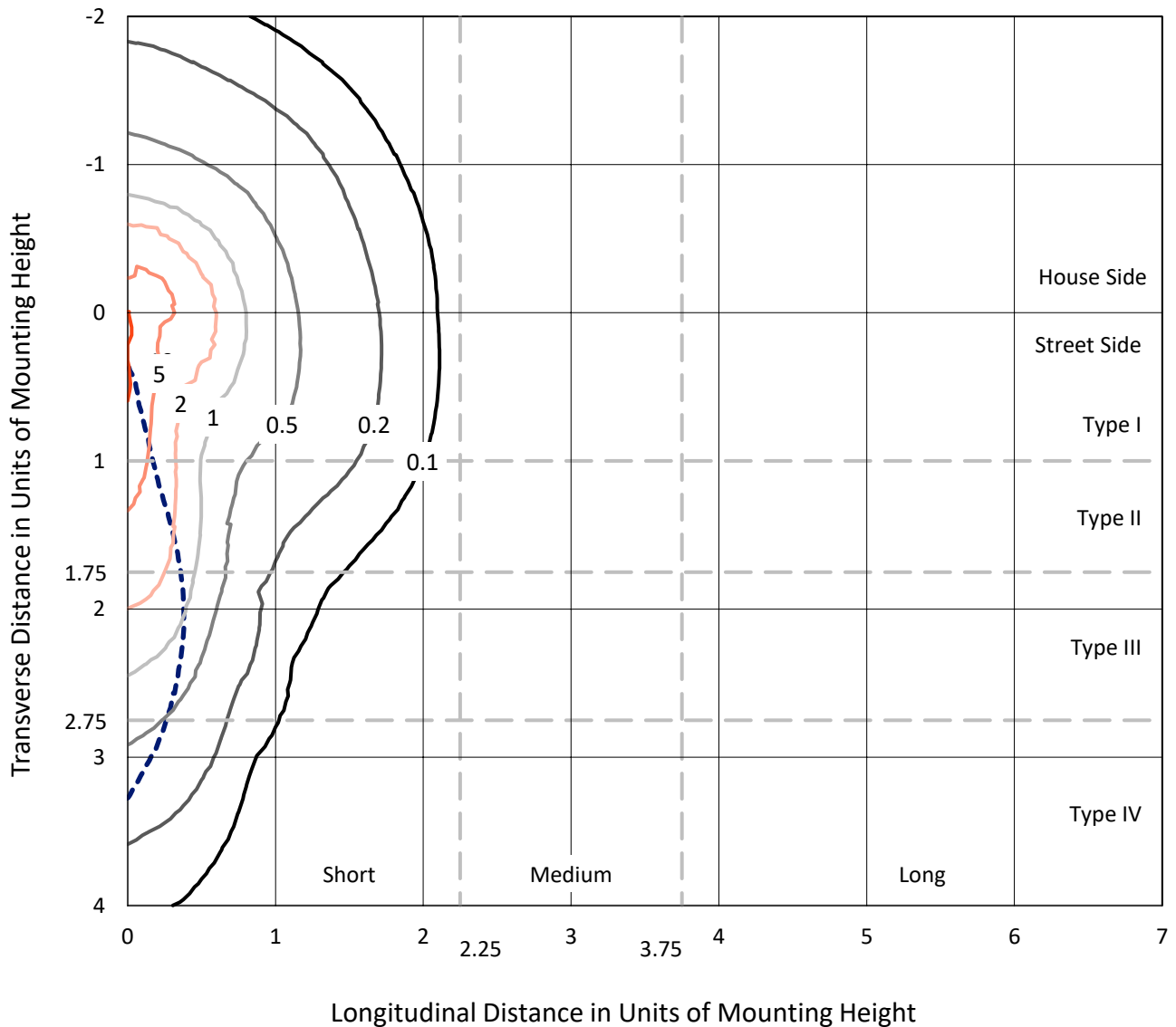
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GALN-SA5C-840-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

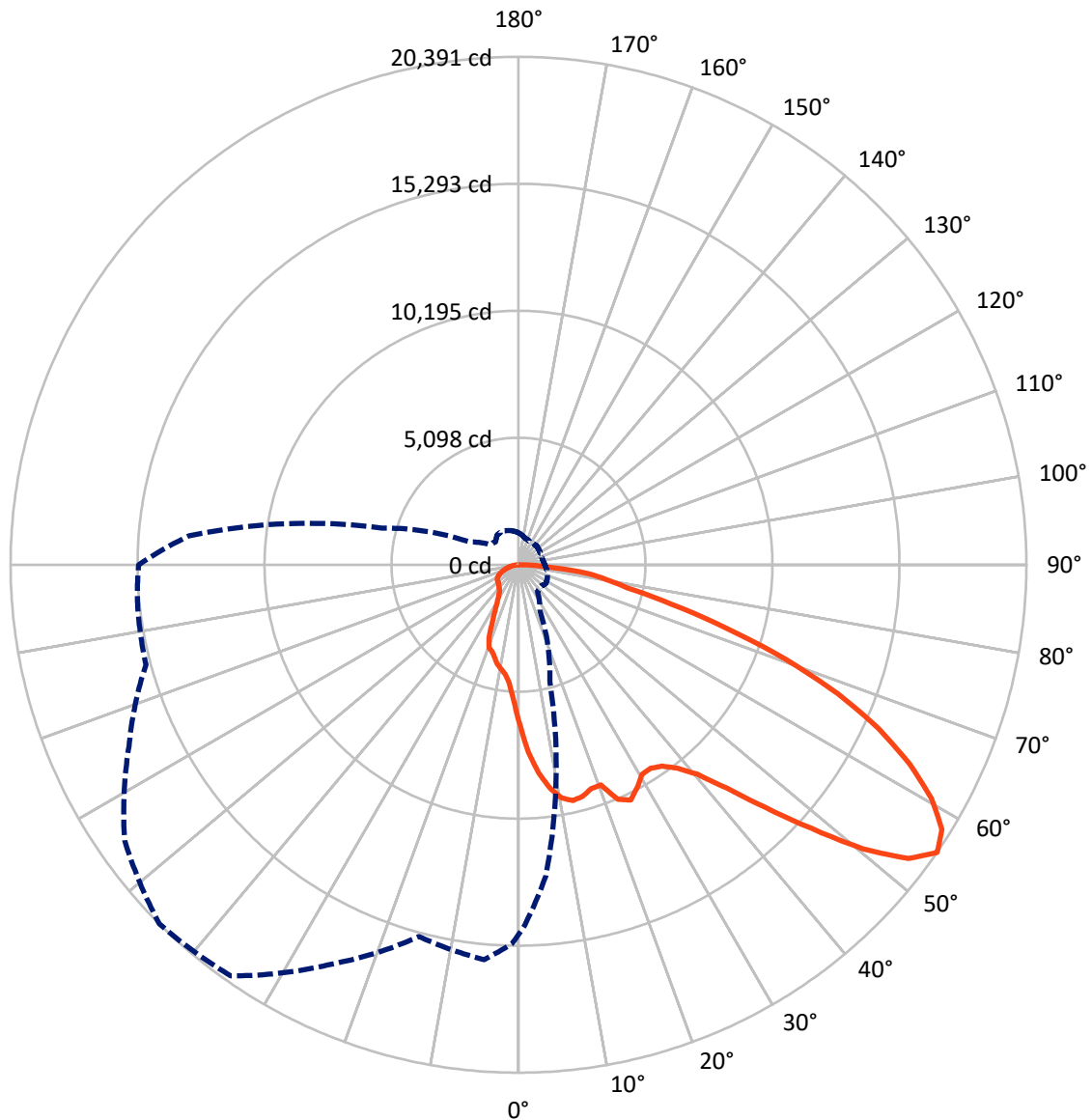
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5583.0	0.0	5583.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	19939.7	0.0	19939.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	25522.7	0.0	25522.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.9	2.1
10°-20°	1440.2	5.6
20°-30°	2488.0	9.7
30°-40°	2891.5	11.3
40°-50°	4034.2	15.8
50°-60°	5474.0	21.4
60°-70°	5207.9	20.4
70°-80°	2813.4	11.0
80°-90°	630.5	2.5
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°	25522.7	100.0
0°-180°	25522.7	100.0

Coefficient of Utilization



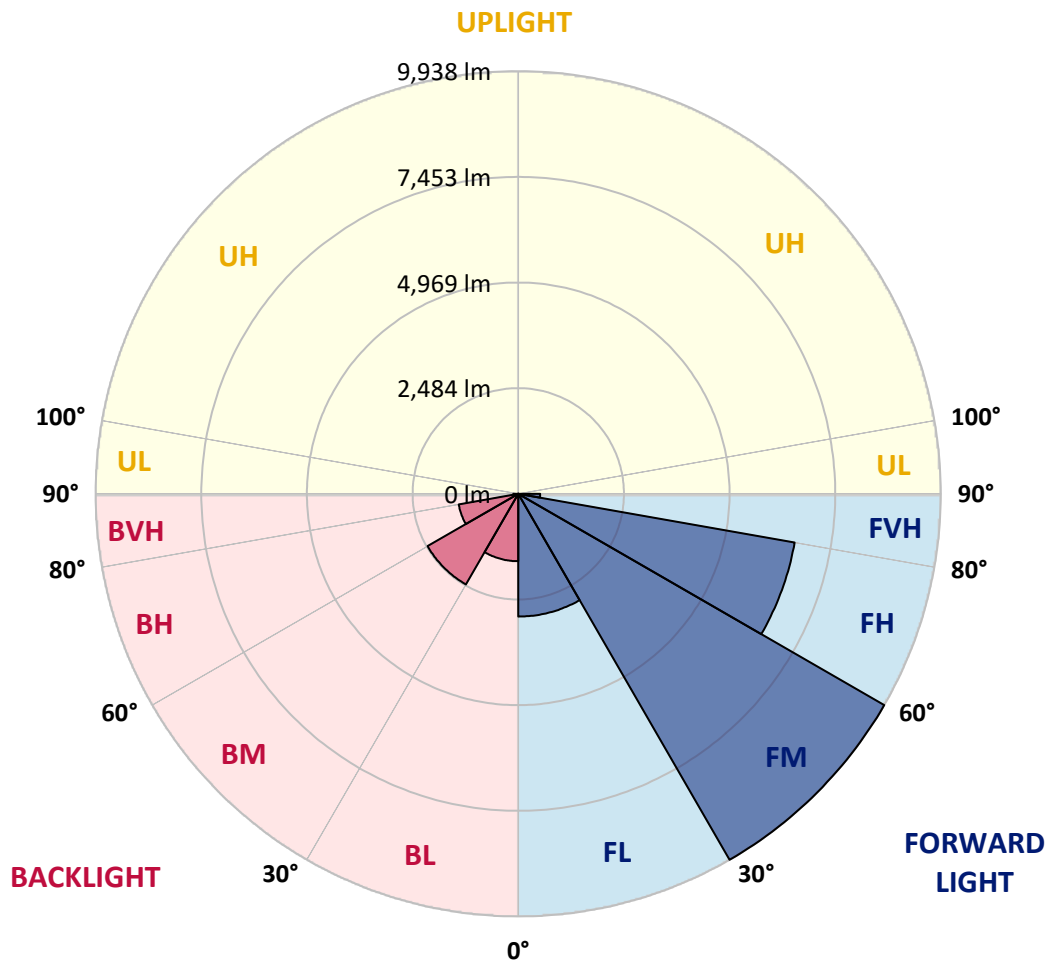
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2886.7	11.3			
FM (30°-60°)	9938.0	38.9			
FH (60°-80°)	6599.7	25.9			G3/7500
FVH (80°-90°)	515.3	2.0			G4/750
BL (0°-30°)	1584.5	6.2	B3/2500		
BM (30°-60°)	2461.7	9.6	B2/2500		
BH (60°-80°)	1421.6	5.6	B3/2500		G3/2500
BVH (80°-90°)	115.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P650916

CATALOG NUMBER: GALN-SA5C-840-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2
2.5°	7115.8	7088.8	7013.0	6814.4	6614.0	6410.3	6253.7	6058.3	5854.6	5745.1	5605.3
5°	7213.4	7183.1	7004.6	6556.8	6150.9	5724.9	5384.8	5086.8	4965.5	4787.1	4643.9
7.5°	6984.4	6971.0	6703.2	6060.0	5504.3	4947.0	4561.4	4322.3	4105.1	4024.3	4041.1
10°	6775.6	6721.8	6386.6	5546.5	4898.2	4445.3	4169.1	3935.0	3781.8	3741.4	3749.9
12.5°	6602.2	6529.8	6134.1	5201.2	4633.8	4271.8	3919.9	3675.8	3536.0	3574.8	3706.0
15°	6566.9	6469.1	6028.0	5083.4	4489.0	4022.6	3637.0	3355.8	3251.4	3335.7	3546.1
17.5°	6795.9	6672.9	6209.9	5122.1	4350.9	3768.4	3295.2	2973.6	2886.1	3020.7	3295.2
20°	7531.7	7349.8	6777.3	5346.1	4337.5	3642.0	3096.5	2773.2	2810.3	3066.2	3352.5
22.5°	8892.1	8619.4	7770.8	5672.7	4408.2	3610.1	3056.1	2887.7	3091.4	3308.7	3497.3
25°	9161.6	8947.7	7949.2	5746.8	4393.0	3588.2	3170.6	3254.8	3482.1	3589.9	3524.2
27.5°	9313.1	9069.0	7937.4	5379.8	3928.3	3254.8	3030.9	3170.6	3227.8	3123.5	2945.0
30°	9666.7	9412.5	8137.9	4994.2	3234.6	2414.6	2116.5	2059.3	2098.0	2118.2	2054.2
32.5°	10153.3	9902.4	8515.0	4741.6	2796.8	1997.0	1704.0	1623.2	1604.6	1582.8	1557.5
35°	10783.0	10397.5	8885.4	4579.9	2616.6	1847.2	1577.7	1515.4	1490.2	1459.9	1432.9
37.5°	11423.0	11018.8	9353.5	4409.9	2497.1	1742.7	1493.5	1464.9	1421.1	1389.2	1350.4
40°	12103.2	11650.2	9779.6	4261.7	2380.9	1675.4	1432.9	1429.5	1372.3	1335.3	1289.8
42.5°	12692.5	12226.1	10160.0	4170.8	2291.6	1604.6	1395.9	1406.0	1347.0	1291.4	1232.6
45°	13160.6	12702.6	10512.0	4170.8	2219.2	1534.0	1389.2	1382.4	1323.5	1254.4	1187.1
47.5°	13571.5	13098.3	10855.5	4276.9	2173.8	1475.0	1352.1	1363.8	1303.3	1215.7	1150.1
50°	13889.7	13472.1	11318.5	4441.9	2128.3	1427.8	1305.0	1368.9	1286.4	1195.5	1119.7
52.5°	14295.5	13921.7	11875.8	4667.5	2089.6	1375.7	1262.8	1368.9	1284.7	1197.2	1114.7
55°	14857.9	14463.9	12547.7	4854.4	2027.3	1326.8	1225.8	1330.2	1279.7	1188.8	1101.2
57.5°	15251.9	14957.3	13022.5	4979.0	1938.1	1264.5	1192.1	1293.1	1257.8	1156.8	1060.8
58°	15270.5	14982.5	13091.6	5007.7	1916.1	1252.8	1183.7	1276.3	1247.7	1143.3	1047.3
60°	15058.3	14810.8	13105.1	4967.2	1791.6	1193.8	1140.0	1207.3	1193.8	1064.2	974.9
62.5°	14287.1	14022.7	12561.2	4638.9	1626.6	1121.4	1072.6	1114.7	1084.4	953.0	870.5
65°	13190.9	12704.3	11443.2	4123.7	1508.7	1043.9	981.7	985.1	953.0	858.7	786.3
67.5°	11731.0	11187.2	9688.6	3475.3	1419.4	958.1	873.9	865.5	826.8	766.2	707.2
70°	9934.5	9562.3	7873.4	2827.1	1320.1	863.8	752.7	747.6	724.0	678.6	626.4
72.5°	8052.0	7578.8	6358.0	2263.0	1198.8	772.9	639.8	649.9	619.6	587.6	540.5
75°	5942.2	5632.3	4915.1	1815.1	1035.5	673.6	533.8	537.1	523.7	490.0	453.0
77.5°	3913.2	3820.6	3515.8	1192.1	796.4	535.5	436.1	439.5	429.3	399.1	360.4
80°	2633.5	2571.2	2382.6	767.8	532.1	387.3	336.7	340.1	338.4	306.5	254.2
82.5°	1623.2	1596.2	1535.7	518.6	368.8	277.9	222.3	232.4	250.9	215.5	173.4
85°	766.2	767.8	927.8	282.9	217.2	178.5	121.3	129.7	129.7	129.7	97.6
87.5°	99.3	104.4	128.0	119.6	79.1	67.4	43.8	37.0	32.0	42.1	30.3
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: P650916
 CATALOG NUMBER: GALN-SA5C-840-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2
2.5°	5556.6	5522.8	5450.4	5433.6	5423.5	5452.1	5376.4	5396.6	5362.9	5457.2	5442.0
5°	4652.3	4655.7	4714.6	4753.4	4766.9	4753.4	4702.9	4615.3	4548.0	4521.0	4527.8
7.5°	4009.1	4068.1	4169.1	4282.0	4384.6	4414.9	4386.3	4219.6	4037.7	3923.3	3886.3
10°	3795.3	3874.4	3990.6	4079.9	4170.8	4243.2	4258.3	4128.7	3913.2	3642.0	3536.0
12.5°	3807.1	3914.9	4026.0	4054.6	4046.2	4074.8	4061.4	4039.4	3898.0	3552.8	3376.0
15°	3695.9	3823.9	3901.4	3886.3	3859.3	3834.0	3798.6	3743.1	3692.6	3450.1	3254.8
17.5°	3440.0	3571.4	3635.3	3640.4	3640.4	3633.6	3547.8	3527.6	3520.8	3402.9	3283.4
20°	3487.1	3559.5	3530.9	3483.8	3497.3	3542.7	3492.3	3482.1	3520.8	3573.1	3551.1
22.5°	3514.1	3488.8	3273.3	3064.5	3017.3	3158.8	3187.5	3300.3	3456.8	3645.4	3768.4
25°	3347.4	3143.7	2758.1	2522.3	2389.3	2520.6	2692.4	2901.2	3135.2	3377.7	3520.8
27.5°	2798.5	2643.6	2367.4	2155.2	2039.1	2059.3	2205.8	2396.1	2613.2	2776.6	2881.0
30°	2108.1	2039.1	1896.0	1823.5	1752.8	1736.0	1798.3	1870.7	1966.7	1986.9	2013.9
32.5°	1552.5	1542.4	1550.8	1527.2	1513.7	1512.0	1493.5	1510.4	1520.4	1532.3	1508.7
35°	1404.3	1390.8	1367.2	1360.5	1352.1	1355.4	1347.0	1338.6	1345.3	1355.4	1362.2
37.5°	1328.5	1308.3	1274.6	1262.8	1262.8	1267.9	1254.4	1251.1	1262.8	1294.9	1311.7
40°	1269.6	1246.0	1207.3	1192.1	1202.2	1215.7	1197.2	1190.4	1219.1	1252.8	1279.7
42.5°	1214.0	1195.5	1158.5	1141.7	1150.1	1175.3	1148.4	1143.3	1180.3	1217.4	1249.4
45°	1166.9	1148.4	1114.7	1106.3	1109.6	1133.2	1114.7	1114.7	1150.1	1190.4	1219.1
47.5°	1129.8	1106.3	1084.4	1077.7	1081.0	1094.5	1091.1	1091.1	1124.8	1166.9	1195.5
50°	1092.8	1072.6	1043.9	1047.3	1055.7	1074.3	1072.6	1077.7	1111.3	1163.5	1193.8
52.5°	1076.0	1045.6	1013.7	1017.0	1042.3	1064.2	1057.4	1062.5	1101.2	1198.8	1242.7
55°	1057.4	1017.0	979.9	985.1	1013.7	1045.6	1037.2	1043.9	1089.4	1222.5	1283.0
57.5°	1022.1	974.9	934.5	937.9	979.9	1013.7	1000.2	1008.6	1062.5	1197.2	1261.2
58°	1006.9	966.5	927.8	929.5	969.8	1006.9	991.8	998.5	1054.0	1190.4	1251.1
60°	942.9	919.4	885.7	887.3	926.1	958.1	949.7	956.4	1010.3	1141.7	1187.1
62.5°	855.4	841.9	833.5	833.5	857.1	887.3	895.7	904.2	953.0	1032.2	1072.6
65°	761.1	761.1	762.8	762.8	777.9	816.6	821.7	843.6	889.0	927.8	958.1
67.5°	697.1	693.7	697.1	688.7	695.4	719.0	744.2	764.5	811.6	838.6	848.7
70°	614.6	612.9	614.6	602.8	611.2	631.4	648.2	682.0	730.7	751.0	756.1
72.5°	533.8	533.8	537.1	528.7	528.7	550.6	562.4	599.5	644.9	656.7	658.3
75°	449.6	454.6	454.6	442.9	446.2	459.7	474.8	505.1	547.2	555.6	555.6
77.5°	357.0	375.5	375.5	363.7	368.8	370.5	390.6	405.8	437.8	441.2	427.6
80°	259.3	277.9	293.0	282.9	291.3	281.2	293.0	303.1	335.1	319.9	298.1
82.5°	185.2	198.7	210.5	212.2	203.8	185.2	200.4	202.1	217.2	197.0	185.2
85°	102.7	114.5	129.7	123.0	109.4	97.6	102.7	106.1	104.4	99.3	92.6
87.5°	26.9	28.6	32.0	23.5	21.9	18.5	25.2	25.2	28.6	30.3	28.6
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: P650916
 CATALOG NUMBER: GALN-SA5C-840-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2
2.5°	5453.9	5527.9	5687.9	5809.1	5957.3	6137.4	6349.6	6563.5	6794.2	6866.6	6967.6
5°	4512.6	4697.8	4775.3	4995.9	5214.7	5543.1	5893.3	6299.1	6743.6	6957.5	7162.9
7.5°	3855.9	3955.2	4036.0	4197.7	4460.4	4859.5	5299.0	5805.8	6435.5	6747.0	7048.4
10°	3502.3	3512.4	3611.8	3812.2	4041.1	4393.0	4808.9	5376.4	6078.5	6457.4	6811.0
12.5°	3268.3	3224.5	3332.2	3541.0	3800.3	4125.4	4507.5	5048.0	5820.9	6209.9	6637.6
15°	3062.8	2993.8	3074.6	3288.5	3544.4	3926.6	4337.5	4910.0	5719.9	6172.9	6647.7
17.5°	3067.9	2877.6	2906.2	3086.4	3340.7	3729.7	4228.0	4905.0	5873.1	6395.0	6957.5
20°	3446.8	3142.0	3012.3	3046.0	3291.8	3716.1	4278.6	5140.7	6376.5	7137.7	7738.8
22.5°	3818.9	3635.3	3426.6	3357.5	3492.3	3936.7	4600.2	5698.0	7471.0	8617.7	9703.8
25°	3689.2	3845.8	3793.6	3695.9	3726.2	4095.0	4819.0	6156.0	8321.4	9612.9	10633.3
27.5°	2951.7	3236.3	3293.5	3291.8	3303.6	3606.7	4334.1	5847.9	8427.4	9803.1	10778.0
30°	2074.4	2099.7	2130.0	2189.0	2242.9	2513.9	3391.2	5133.9	8380.3	9889.0	10865.6
32.5°	1496.9	1530.6	1572.7	1653.5	1781.5	2126.6	2966.9	4906.6	8629.5	10244.3	11121.6
35°	1368.9	1407.7	1448.0	1540.7	1661.9	1981.8	2798.5	4812.3	9038.6	10820.1	11581.2
37.5°	1328.5	1372.3	1407.7	1475.0	1572.7	1877.4	2645.3	4748.4	9458.0	11429.7	12197.4
40°	1299.9	1350.4	1379.1	1432.9	1500.3	1781.5	2508.9	4697.8	9863.8	11987.0	12692.5
42.5°	1274.6	1326.8	1363.8	1402.6	1458.2	1695.6	2387.6	4647.3	10215.6	12527.5	13185.9
45°	1244.3	1310.0	1357.1	1387.5	1436.3	1623.2	2295.0	4606.9	10616.4	13007.4	13684.2
47.5°	1219.1	1291.4	1350.4	1385.8	1404.3	1572.7	2220.9	4662.4	11097.9	13509.2	14147.3
50°	1220.8	1289.8	1363.8	1419.4	1370.6	1530.6	2175.5	4883.0	11724.3	14105.3	14512.7
52.5°	1274.6	1358.8	1417.8	1431.2	1323.5	1480.1	2151.9	5268.6	12465.2	14632.2	14881.5
55°	1335.3	1422.8	1486.8	1478.4	1298.3	1416.1	2146.8	5679.4	13276.8	15246.8	15361.4
57.5°	1313.4	1441.3	1539.0	1495.2	1299.9	1353.8	2125.0	6011.2	13955.4	15706.5	15836.2
58°	1306.7	1434.6	1545.8	1491.8	1294.9	1335.3	2119.9	6039.8	14049.7	15738.6	15903.6
60°	1241.0	1375.7	1540.7	1466.6	1266.2	1284.7	2064.3	6132.4	14024.4	15573.5	15943.9
62.5°	1121.4	1232.6	1424.5	1343.7	1178.7	1217.4	1939.8	6017.9	13340.8	14778.7	15353.0
65°	986.7	1069.2	1197.2	1182.0	1054.0	1148.4	1769.7	5565.0	11971.9	13489.0	14093.5
67.5°	885.7	953.0	1033.8	1012.0	948.0	1055.7	1586.1	4798.8	10436.2	11939.8	12701.0
70°	783.0	835.2	875.6	860.4	840.2	964.8	1422.8	3894.7	8964.6	10468.2	11205.7
72.5°	678.6	727.4	761.1	739.2	727.4	868.8	1289.8	3022.5	7080.4	8636.2	9584.2
75°	567.4	616.3	639.8	614.6	607.9	766.2	1092.8	2258.0	5312.4	6657.8	7476.1
77.5°	439.5	491.6	522.0	513.6	517.0	629.7	882.3	1545.8	3798.6	4537.9	5400.0
80°	308.1	365.4	385.6	377.2	400.7	479.9	623.0	981.7	2620.0	2945.0	3552.8
82.5°	190.2	244.1	247.5	255.9	272.7	355.3	469.8	597.8	1645.1	1700.7	2141.8
85°	96.0	116.1	124.6	138.1	153.2	217.2	267.7	370.5	1059.1	801.5	1197.2
87.5°	32.0	33.6	40.5	50.5	62.3	89.2	114.5	151.5	262.6	144.8	370.5
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: P650916

CATALOG NUMBER: GALN-SA5C-840-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2	6405.2
2.5°	7171.3	7314.4	7418.9	7514.8	7422.2	7413.8	7322.8	7176.3	7115.8	7115.8
5°	7594.0	7929.0	8200.1	8373.6	8299.5	8120.9	7826.3	7450.8	7248.7	7213.4
7.5°	7710.1	8371.9	8875.3	9053.8	8929.2	8535.2	7971.2	7338.1	7048.4	6984.4
10°	7639.4	8499.8	9239.1	9521.9	9348.5	8752.5	7982.9	7206.7	6849.7	6775.6
12.5°	7565.3	8516.7	9306.4	9715.6	9602.7	8927.6	8068.8	7120.8	6708.2	6602.2
15°	7619.2	8523.5	9223.9	9646.5	9718.9	9138.0	8210.3	7183.1	6679.6	6566.9
17.5°	7959.3	8651.4	9106.0	9447.8	9702.1	9424.2	8612.7	7481.1	6935.6	6795.9
20°	8669.9	8957.8	9173.4	9437.7	9846.8	10008.6	9436.0	8299.5	7654.6	7531.7
22.5°	10727.5	10675.3	10234.1	10229.1	10821.8	11470.1	11431.4	9963.1	8993.2	8892.1
25°	11498.7	11256.2	10618.0	10463.1	10724.2	11724.3	11579.6	10303.2	9407.4	9161.6
27.5°	11197.3	10596.2	10176.9	10141.5	10055.7	11000.3	11348.9	10441.3	9552.2	9313.1
30°	11178.7	10294.8	9695.4	9766.0	9848.6	10751.1	11476.8	10874.0	9922.6	9666.7
32.5°	11224.2	10336.9	9730.7	9744.2	9990.0	10788.1	11618.2	11345.5	10409.3	10153.3
35°	11407.7	10576.0	9956.3	9924.3	10308.2	11030.6	11859.0	12086.3	11074.4	10783.0
37.5°	11704.1	11052.5	10368.9	10360.4	10917.8	11468.4	12158.8	12834.0	11736.2	11423.0
40°	12140.3	11609.8	11103.0	11057.6	11746.2	12180.6	12547.7	13630.4	12505.6	12103.2
42.5°	12667.2	12278.3	12071.2	12251.4	12913.1	12980.4	13153.9	14366.2	13160.6	12692.5
45°	13155.6	13137.0	13425.0	13903.2	14288.8	13884.7	13787.0	14859.5	13669.1	13160.6
47.5°	13736.5	14238.2	15107.1	15807.5	16211.7	14937.0	14327.5	15181.1	14039.6	13571.5
50°	14325.8	15556.6	16944.1	17920.7	18006.6	16080.3	14699.6	15484.2	14376.3	13889.7
52.5°	14945.4	16609.1	18456.2	19591.1	19424.4	17075.5	15060.0	15689.7	14723.2	14295.5
55°	15484.2	17254.0	19301.5	20390.9	20146.7	17681.6	15448.9	15912.0	15218.2	14857.9
57.5°	15785.7	17307.9	19091.0	20042.3	19778.0	17563.8	15627.4	16077.0	15534.8	15251.9
58°	15829.5	17235.5	18904.1	19840.3	19570.8	17464.5	15625.7	16070.2	15555.0	15270.5
60°	15790.7	16765.7	18208.7	19042.2	18759.3	16841.4	15561.7	15943.9	15299.1	15058.3
62.5°	15432.1	15950.7	17008.1	17614.2	17533.4	15868.2	15299.1	15467.4	14519.4	14287.1
65°	14960.6	14839.4	15470.8	15900.2	15960.8	15139.1	15038.1	14436.9	13519.2	13190.9
67.5°	14388.1	13579.9	13578.2	13822.3	13923.3	14017.7	14494.2	13317.2	12077.9	11731.0
70°	13416.6	11638.4	11103.0	11390.9	11306.7	12103.2	13522.6	11744.6	10340.3	9934.5
72.5°	11635.1	9235.7	8378.6	8749.0	8536.9	9491.6	11832.1	9665.0	8550.4	8052.0
75°	9431.0	6908.6	6024.7	6364.8	6233.4	7200.0	9845.2	7019.7	6132.4	5942.2
77.5°	7322.8	5006.0	4492.4	4445.3	4542.9	5357.8	7221.8	4739.9	4042.9	3913.2
80°	4704.6	3583.2	3613.4	3552.8	3603.3	3377.7	4384.6	3024.2	2737.9	2633.5
82.5°	3096.5	2497.1	2977.0	2748.0	2609.9	2271.5	2876.0	1980.1	1680.4	1623.2
85°	2109.8	1838.7	1673.7	1279.7	1507.0	1749.4	2156.9	1065.9	845.3	766.2
87.5°	953.0	639.8	469.8	289.6	458.0	528.7	1047.3	124.6	96.0	99.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)