

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: P459224

Luminaire Tested: **GALN-SA7A-735-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459224  
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-SA7A-735-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 615mA 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: 25577 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

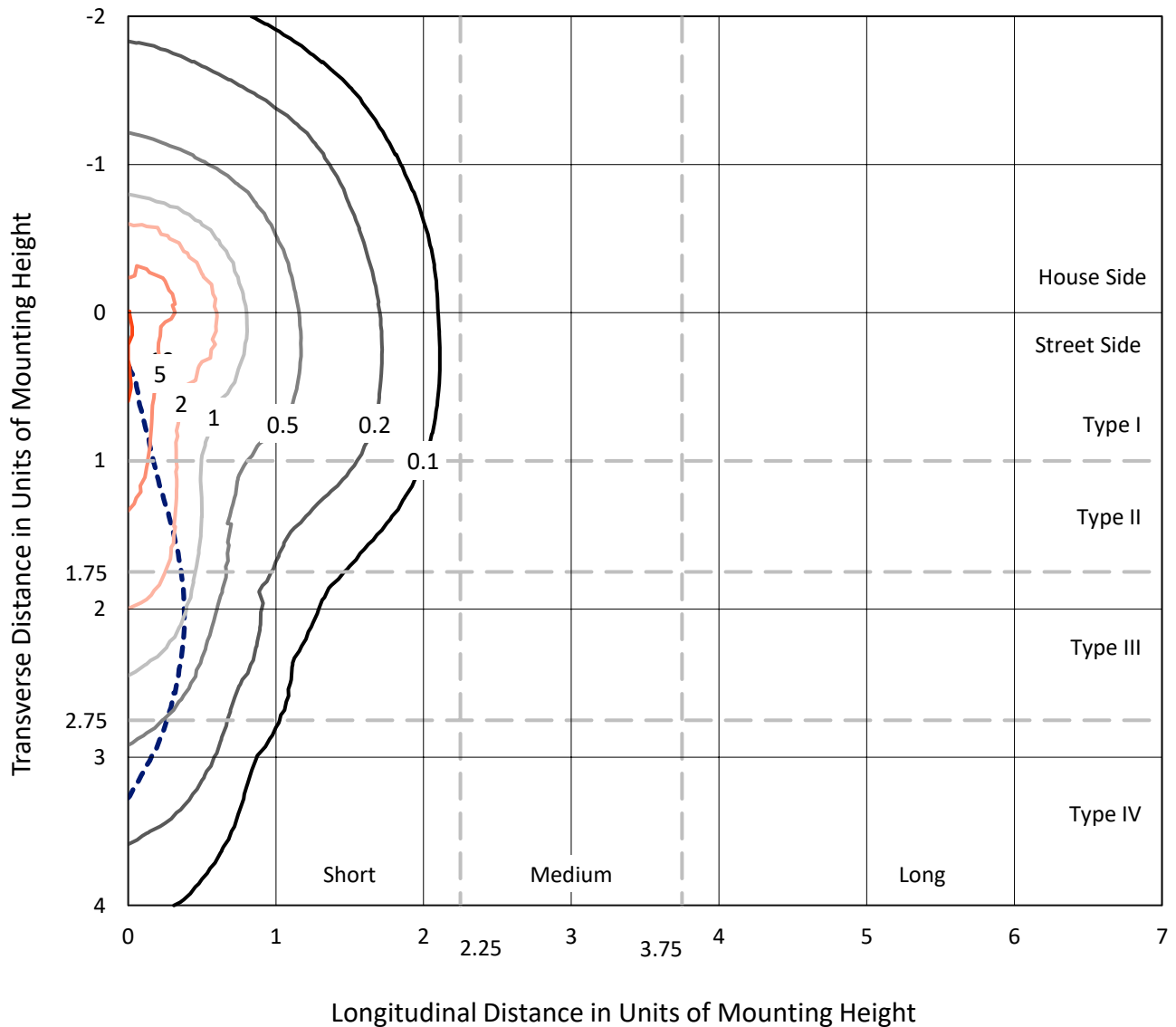
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P459224  
 CATALOG NUMBER: GALN-SA7A-735-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

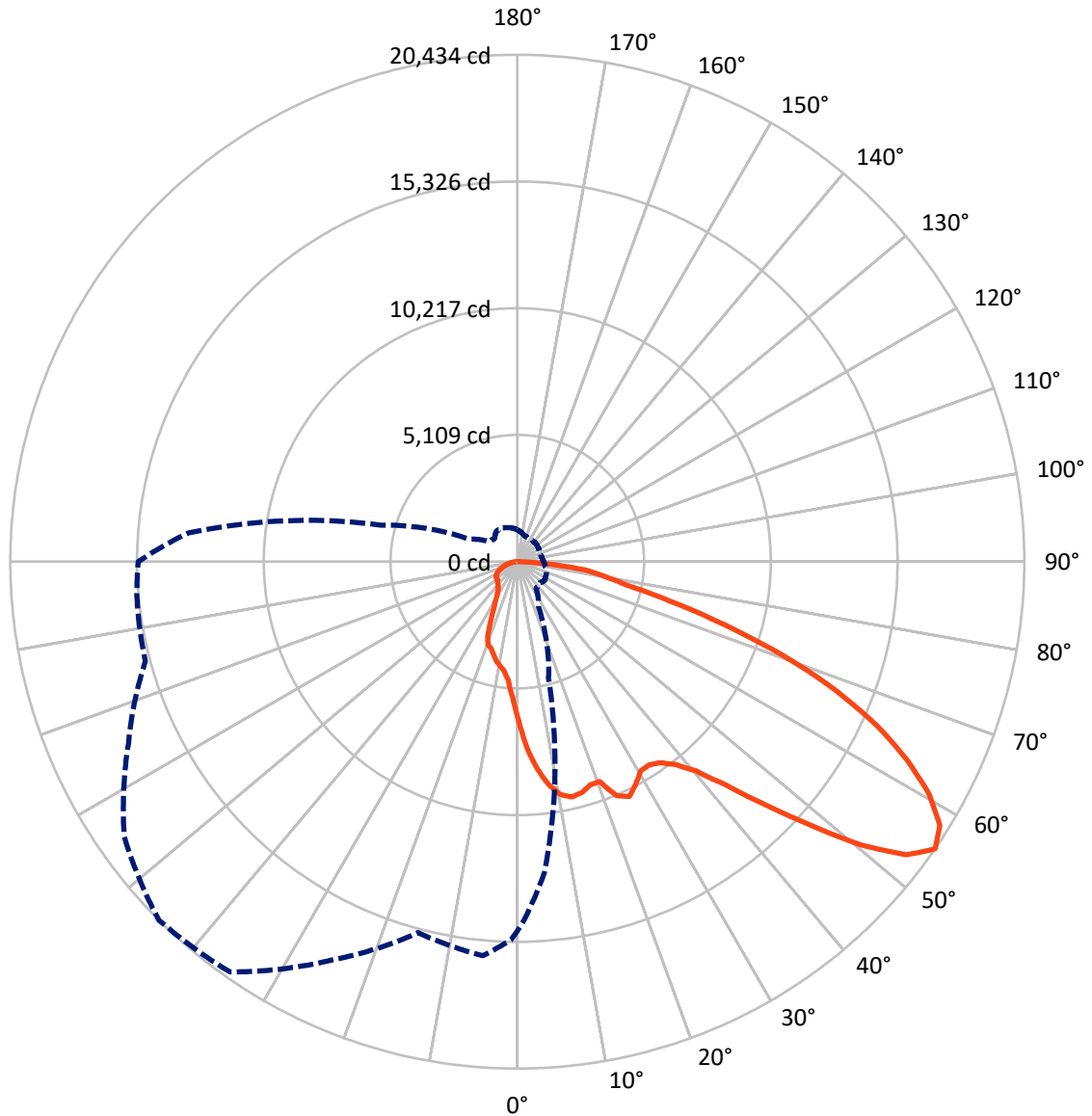
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P459224  
CATALOG NUMBER: GALN-SA7A-735-U-SLR

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P459224

CATALOG NUMBER: GALN-SA7A-735-U-SLR

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5594.9	0.0	5594.9
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	19982.2	0.0	19982.2
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	25577.0	0.0	25577.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	544.0	2.1
10°-20°	1443.3	5.6
20°-30°	2493.3	9.7
30°-40°	2897.7	11.3
40°-50°	4042.8	15.8
50°-60°	5485.7	21.4
60°-70°	5218.9	20.4
70°-80°	2819.4	11.0
80°-90°	631.9	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°	25577.0	100.0
0°-180°	25577.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P459224

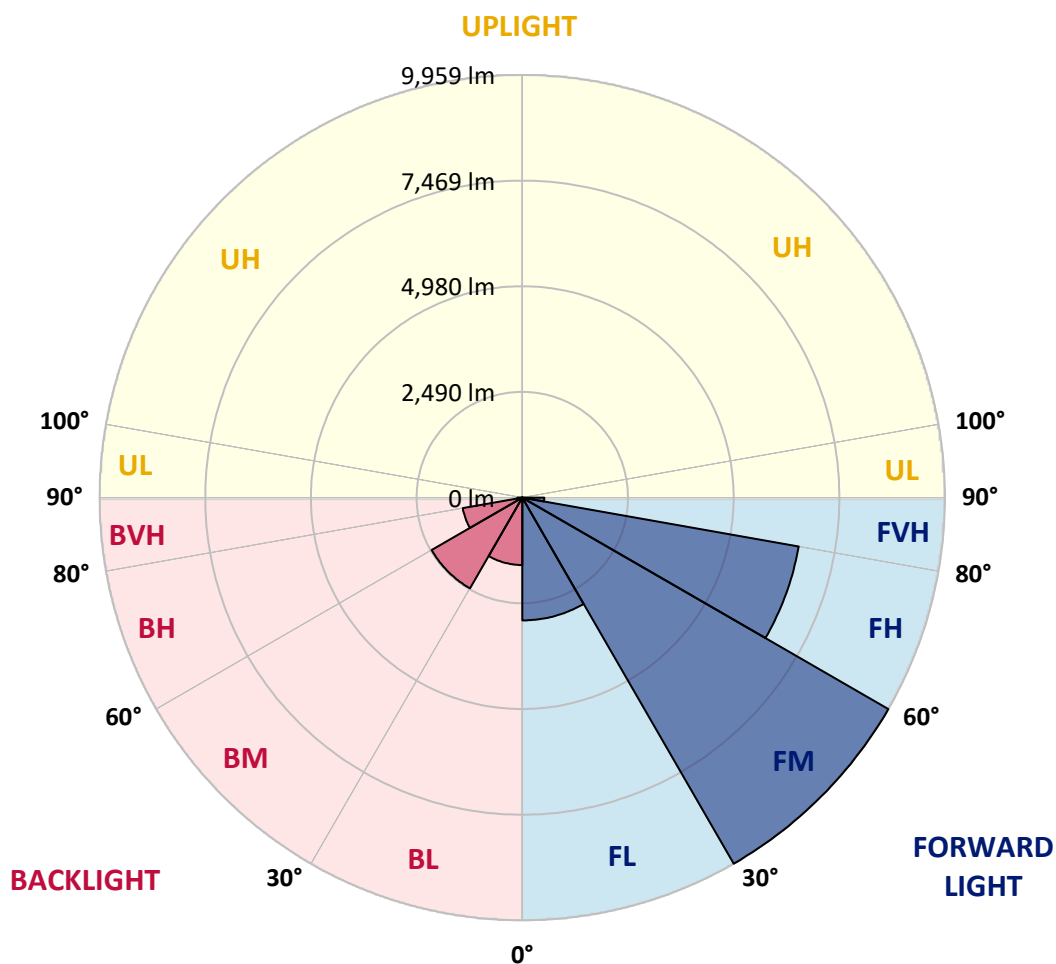
CATALOG NUMBER: GALN-SA7A-735-U-SLR

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2892.8	11.3			
FM	(30°-60°)	9959.1	38.9			
FH	(60°-80°)	6613.8	25.9			G3/7500
FVH	(80°-90°)	516.4	2.0			G4/750
BL	(0°-30°)	1587.8	6.2	B3/2500		
BM	(30°-60°)	2467.0	9.6	B2/2500		
BH	(60°-80°)	1424.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	115.5	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: P459224

CATALOG NUMBER: GALN-SA7A-735-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8
2.5°	7130.9	7103.9	7028.0	6828.9	6628.1	6423.9	6267.0	6071.2	5867.1	5757.4	5617.3
5°	7228.8	7198.4	7019.5	6570.7	6164.0	5737.1	5396.3	5097.6	4976.1	4797.2	4653.8
7.5°	6999.3	6985.8	6717.5	6072.9	5516.1	4957.5	4571.1	4331.5	4113.9	4032.9	4049.7
10°	6790.1	6736.1	6400.3	5558.3	4908.6	4454.7	4178.0	3943.4	3789.9	3749.4	3757.8
12.5°	6616.3	6543.7	6147.2	5212.3	4643.7	4280.9	3928.2	3683.6	3543.5	3582.3	3713.9
15°	6580.8	6482.9	6040.9	5094.2	4498.6	4031.2	3644.8	3363.0	3258.3	3342.7	3553.6
17.5°	6810.3	6687.1	6223.1	5133.0	4360.2	3776.4	3302.2	2979.9	2892.2	3027.2	3302.2
20°	7547.7	7365.5	6791.7	5357.5	4346.7	3649.8	3103.1	2779.1	2816.3	3072.7	3359.6
22.5°	8911.1	8637.7	7787.3	5684.8	4417.6	3617.8	3062.6	2893.9	3098.0	3315.7	3504.7
25°	9181.1	8966.8	7966.2	5759.1	4402.4	3595.8	3177.4	3261.7	3489.5	3597.5	3531.7
27.5°	9332.9	9088.3	7954.4	5391.2	3936.7	3261.7	3037.3	3177.4	3234.7	3130.1	2951.2
30°	9687.3	9432.5	8155.2	5004.8	3241.5	2419.7	2121.0	2063.7	2102.5	2122.7	2058.6
32.5°	10175.0	9923.5	8533.1	4751.7	2802.8	2001.2	1707.6	1626.6	1608.1	1586.1	1560.8
35°	10806.0	10419.6	8904.4	4589.7	2622.2	1851.1	1581.1	1518.7	1493.3	1463.0	1436.0
37.5°	11447.2	11042.3	9373.4	4419.3	2502.4	1746.4	1496.7	1468.0	1424.2	1392.1	1353.3
40°	12129.0	11675.0	9800.4	4270.8	2386.0	1679.0	1436.0	1432.6	1375.2	1338.1	1292.5
42.5°	12719.5	12252.1	10181.7	4179.7	2296.5	1608.1	1398.8	1409.0	1349.9	1294.2	1235.2
45°	13188.6	12729.7	10534.4	4179.7	2224.0	1537.2	1392.1	1385.3	1326.3	1257.1	1189.6
47.5°	13600.4	13126.2	10878.6	4286.0	2178.4	1478.2	1355.0	1366.8	1306.0	1218.3	1152.5
50°	13919.3	13500.8	11342.6	4451.3	2132.9	1430.9	1307.7	1371.8	1289.2	1198.0	1122.1
52.5°	14325.9	13951.3	11901.2	4677.4	2094.0	1378.6	1265.5	1371.8	1287.5	1199.7	1117.1
55°	14889.5	14494.7	12574.4	4864.7	2031.6	1329.7	1228.4	1333.0	1282.4	1191.3	1103.6
57.5°	15284.4	14989.1	13050.3	4989.6	1942.2	1267.2	1194.7	1295.9	1260.5	1159.2	1063.1
58°	15302.9	15014.4	13119.4	5018.3	1920.2	1255.4	1186.2	1279.0	1250.4	1145.7	1049.6
60°	15090.3	14842.3	13132.9	4977.8	1795.4	1196.4	1142.4	1209.9	1196.4	1066.4	977.0
62.5°	14317.5	14052.6	12587.9	4648.8	1630.0	1123.8	1074.9	1117.1	1086.7	955.1	872.4
65°	13219.0	12731.4	11467.5	4132.4	1511.9	1046.2	983.7	987.1	955.1	860.6	788.0
67.5°	11756.0	11211.0	9709.2	3482.8	1422.5	960.1	875.8	867.3	828.5	767.8	708.7
70°	9955.6	9582.7	7890.2	2833.1	1322.9	865.6	754.3	749.2	725.6	680.0	627.7
72.5°	8069.1	7594.9	6371.6	2267.9	1201.4	774.5	641.2	651.3	621.0	588.9	541.7
75°	5954.8	5644.3	4925.5	1819.0	1037.7	675.0	534.9	538.3	524.8	491.0	453.9
77.5°	3921.5	3828.7	3523.3	1194.7	798.1	536.6	437.0	440.4	430.3	399.9	361.1
80°	2639.1	2576.6	2387.7	769.4	533.2	388.1	337.5	340.9	339.2	307.1	254.8
82.5°	1626.6	1599.6	1538.9	519.7	369.5	278.4	222.7	232.9	251.4	216.0	173.8
85°	767.8	769.4	929.8	283.5	217.7	178.9	121.5	129.9	129.9	129.9	97.9
87.5°	99.6	104.6	128.2	119.8	79.3	67.5	43.9	37.1	32.1	42.2	30.4
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: P459224  
 CATALOG NUMBER: GALN-SA7A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8
2.5°	5568.4	5534.6	5462.1	5445.2	5435.1	5463.8	5387.8	5408.1	5374.3	5468.8	5453.6
5°	4662.3	4665.6	4724.7	4763.5	4777.0	4763.5	4712.9	4625.1	4557.6	4530.6	4537.4
7.5°	4017.7	4076.7	4178.0	4291.0	4394.0	4424.3	4395.6	4228.6	4046.4	3931.6	3894.5
10°	3803.4	3882.7	3999.1	4088.5	4179.7	4252.2	4267.4	4137.5	3921.5	3649.8	3543.5
12.5°	3815.2	3923.2	4034.5	4063.2	4054.8	4083.5	4070.0	4048.0	3906.3	3560.4	3383.2
15°	3703.8	3832.1	3909.7	3894.5	3867.5	3842.2	3806.7	3751.1	3700.4	3457.5	3261.7
17.5°	3447.3	3579.0	3643.1	3648.1	3648.1	3641.4	3555.3	3535.1	3528.3	3410.2	3290.4
20°	3494.6	3567.1	3538.5	3491.2	3504.7	3550.3	3499.6	3489.5	3528.3	3580.6	3558.7
22.5°	3521.6	3496.3	3280.3	3071.0	3023.8	3165.5	3194.2	3307.3	3464.2	3653.2	3776.4
25°	3354.5	3150.4	2763.9	2527.7	2394.4	2526.0	2698.1	2907.4	3141.9	3384.9	3528.3
27.5°	2804.4	2649.2	2372.5	2159.9	2043.4	2063.7	2210.5	2401.2	2618.8	2782.5	2887.1
30°	2112.6	2043.4	1900.0	1827.4	1756.6	1739.7	1802.1	1874.7	1970.9	1991.1	2018.1
32.5°	1555.8	1545.6	1554.1	1530.5	1517.0	1515.3	1496.7	1513.6	1523.7	1535.5	1511.9
35°	1407.3	1393.8	1370.2	1363.4	1355.0	1358.3	1349.9	1341.5	1348.2	1358.3	1365.1
37.5°	1331.3	1311.1	1277.4	1265.5	1265.5	1270.6	1257.1	1253.7	1265.5	1297.6	1314.5
40°	1272.3	1248.7	1209.9	1194.7	1204.8	1218.3	1199.7	1193.0	1221.7	1255.4	1282.4
42.5°	1216.6	1198.0	1160.9	1144.0	1152.5	1177.8	1150.8	1145.7	1182.9	1220.0	1252.0
45°	1169.4	1150.8	1117.1	1108.6	1112.0	1135.6	1117.1	1117.1	1152.5	1193.0	1221.7
47.5°	1132.2	1108.6	1086.7	1079.9	1083.3	1096.8	1093.4	1093.4	1127.2	1169.4	1198.0
50°	1095.1	1074.9	1046.2	1049.6	1058.0	1076.6	1074.9	1079.9	1113.7	1166.0	1196.4
52.5°	1078.2	1047.9	1015.8	1019.2	1044.5	1066.4	1059.7	1064.7	1103.6	1201.4	1245.3
55°	1059.7	1019.2	982.1	987.1	1015.8	1047.9	1039.4	1046.2	1091.7	1225.0	1285.8
57.5°	1024.2	977.0	936.5	939.9	982.1	1015.8	1002.3	1010.7	1064.7	1199.7	1263.9
58°	1009.1	968.6	929.8	931.4	971.9	1009.1	993.9	1000.6	1056.3	1193.0	1253.7
60°	944.9	921.3	887.6	889.3	928.1	960.1	951.7	958.4	1012.4	1144.0	1189.6
62.5°	857.2	843.7	835.3	835.3	858.9	889.3	897.7	906.1	955.1	1034.4	1074.9
65°	762.7	762.7	764.4	764.4	779.6	818.4	823.4	845.4	890.9	929.8	960.1
67.5°	698.6	695.2	698.6	690.1	696.9	720.5	745.8	766.1	813.3	840.3	850.4
70°	615.9	614.2	615.9	604.1	612.5	632.8	649.6	683.4	732.3	752.6	757.6
72.5°	534.9	534.9	538.3	529.8	529.8	551.8	563.6	600.7	646.3	658.1	659.8
75°	450.5	455.6	455.6	443.8	447.2	460.7	475.8	506.2	548.4	556.8	556.8
77.5°	357.7	376.3	376.3	364.5	369.5	371.2	391.5	406.7	438.7	442.1	428.6
80°	259.9	278.4	293.6	283.5	291.9	281.8	293.6	303.7	335.8	320.6	298.7
82.5°	185.6	199.1	210.9	212.6	204.2	185.6	200.8	202.5	217.7	197.4	185.6
85°	102.9	114.7	129.9	123.2	109.7	97.9	102.9	106.3	104.6	99.6	92.8
87.5°	27.0	28.7	32.1	23.6	21.9	18.6	25.3	25.3	28.7	30.4	28.7
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: P459224

CATALOG NUMBER: GALN-SA7A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8
2.5°	5465.5	5539.7	5700.0	5821.5	5970.0	6150.5	6363.1	6577.4	6808.6	6881.2	6982.4
5°	4522.2	4707.8	4785.4	5006.5	5225.8	5554.9	5905.9	6312.5	6758.0	6972.3	7178.2
7.5°	3864.1	3963.7	4044.7	4206.7	4469.9	4869.8	5310.2	5818.1	6449.2	6761.4	7063.4
10°	3509.8	3519.9	3619.4	3820.2	4049.7	4402.4	4819.2	5387.8	6091.5	6471.1	6825.5
12.5°	3275.2	3231.4	3339.3	3548.6	3808.4	4134.1	4517.1	5058.8	5833.3	6223.1	6651.7
15°	3069.4	3000.2	3081.2	3295.5	3552.0	3935.0	4346.7	4920.4	5732.1	6186.0	6661.8
17.5°	3074.4	2883.7	2912.4	3093.0	3347.8	3737.6	4237.0	4915.4	5885.6	6408.7	6972.3
20°	3454.1	3148.7	3018.7	3052.5	3298.8	3724.1	4287.7	5151.6	6390.1	7152.8	7755.2
22.5°	3827.0	3643.1	3433.8	3364.7	3499.6	3945.1	4609.9	5710.1	7486.9	8636.1	9724.4
25°	3697.1	3854.0	3801.7	3703.8	3734.2	4103.7	4829.3	6169.1	8339.1	9633.3	10655.9
27.5°	2958.0	3243.2	3300.5	3298.8	3310.7	3614.4	4343.3	5860.3	8445.4	9824.0	10801.0
30°	2078.9	2104.2	2134.5	2193.6	2247.6	2519.3	3398.4	5144.8	8398.1	9910.0	10888.7
32.5°	1500.1	1533.8	1576.0	1657.0	1785.3	2131.2	2973.2	4917.1	8647.9	10266.1	11145.2
35°	1371.8	1410.7	1451.2	1544.0	1665.5	1986.1	2804.4	4822.6	9057.9	10843.2	11605.9
37.5°	1331.3	1375.2	1410.7	1478.2	1576.0	1881.4	2650.9	4758.4	9478.1	11454.0	12223.4
40°	1302.7	1353.3	1382.0	1436.0	1503.5	1785.3	2514.2	4707.8	9884.7	12012.5	12719.5
42.5°	1277.4	1329.7	1366.8	1405.6	1461.3	1699.2	2392.7	4657.2	10237.4	12554.2	13213.9
45°	1247.0	1312.8	1360.0	1390.4	1439.3	1626.6	2299.9	4616.7	10639.0	13035.1	13713.4
47.5°	1221.7	1294.2	1353.3	1388.7	1407.3	1576.0	2225.7	4672.4	11121.6	13537.9	14177.4
50°	1223.4	1292.5	1366.8	1422.5	1373.5	1533.8	2180.1	4893.4	11749.3	14135.3	14543.6
52.5°	1277.4	1361.7	1420.8	1434.3	1326.3	1483.2	2156.5	5279.8	12491.7	14663.4	14913.1
55°	1338.1	1425.8	1490.0	1481.5	1301.0	1419.1	2151.4	5691.6	13305.1	15279.3	15394.1
57.5°	1316.2	1444.4	1542.3	1498.4	1302.7	1356.7	2129.5	6024.0	13985.1	15740.0	15869.9
58°	1309.4	1437.7	1549.0	1495.0	1297.6	1338.1	2124.4	6052.7	14079.6	15772.0	15937.4
60°	1243.6	1378.6	1544.0	1469.7	1268.9	1287.5	2068.7	6145.5	14054.3	15606.7	15977.9
62.5°	1123.8	1235.2	1427.5	1346.5	1181.2	1220.0	1943.9	6030.7	13369.2	14810.2	15385.6
65°	988.8	1071.5	1199.7	1184.5	1056.3	1150.8	1773.4	5576.8	11997.3	13517.7	14123.4
67.5°	887.6	955.1	1036.1	1014.1	950.0	1058.0	1589.5	4809.1	10458.4	11965.3	12728.0
70°	784.6	836.9	877.4	862.3	842.0	966.9	1425.8	3902.9	8983.7	10490.5	11229.6
72.5°	680.0	729.0	762.7	740.8	729.0	870.7	1292.5	3028.9	7095.5	8654.6	9604.6
75°	568.7	617.6	641.2	615.9	609.1	767.8	1095.1	2262.8	5323.7	6671.9	7492.0
77.5°	440.4	492.7	523.1	514.7	518.0	631.1	884.2	1549.0	3806.7	4547.5	5411.5
80°	308.8	366.2	386.4	378.0	401.6	480.9	624.3	983.7	2625.6	2951.2	3560.4
82.5°	190.7	244.7	248.0	256.5	273.4	356.0	470.8	599.0	1648.6	1704.3	2146.4
85°	96.2	116.4	124.9	138.4	153.6	217.7	268.3	371.2	1061.4	803.2	1199.7
87.5°	32.1	33.7	40.5	50.6	62.4	89.4	114.7	151.9	263.2	145.1	371.2
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: P459224

CATALOG NUMBER: GALN-SA7A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8	6418.8
2.5°	7186.6	7330.0	7434.6	7530.8	7438.0	7429.6	7338.5	7191.7	7130.9	7130.9
5°	7610.1	7945.9	8217.6	8391.4	8317.1	8138.3	7843.0	7466.7	7264.2	7228.8
7.5°	7726.6	8389.7	8894.2	9073.1	8948.2	8553.4	7988.1	7353.6	7063.4	6999.3
10°	7655.7	8517.9	9258.7	9542.2	9368.4	8771.0	7999.9	7222.0	6864.3	6790.1
12.5°	7581.4	8534.8	9326.2	9736.2	9623.2	8946.5	8086.0	7136.0	6722.6	6616.3
15°	7635.4	8541.6	9243.5	9667.1	9739.6	9157.5	8227.7	7198.4	6693.9	6580.8
17.5°	7976.3	8669.8	9125.4	9467.9	9722.7	9444.3	8631.0	7497.1	6950.4	6810.3
20°	8688.4	8976.9	9192.9	9457.8	9867.9	10029.8	9456.1	8317.1	7670.9	7547.7
22.5°	10750.4	10698.0	10256.0	10250.9	10844.8	11494.5	11455.7	9984.3	9012.3	8911.1
25°	11523.2	11280.2	10640.7	10485.4	10747.0	11749.3	11604.2	10325.1	9427.4	9181.1
27.5°	11221.1	10618.7	10198.6	10163.1	10077.1	11023.7	11373.0	10463.5	9572.6	9332.9
30°	11202.6	10316.7	9716.0	9786.9	9869.5	10774.0	11501.2	10897.2	9943.8	9687.3
32.5°	11248.1	10358.9	9751.4	9764.9	10011.3	10811.1	11643.0	11369.6	10431.4	10175.0
35°	11432.1	10598.5	9977.5	9945.5	10330.2	11054.1	11884.3	12112.1	11098.0	10806.0
37.5°	11729.0	11076.0	10390.9	10382.5	10941.0	11492.8	12184.6	12861.3	11761.1	11447.2
40°	12166.1	11634.5	11126.6	11081.1	11771.2	12206.6	12574.4	13659.4	12532.2	12129.0
42.5°	12694.2	12304.4	12096.9	12277.4	12940.6	13008.1	13181.9	14396.8	13188.6	12719.5
45°	13183.6	13165.0	13453.6	13932.8	14319.2	13914.2	13816.3	14891.2	13698.2	13188.6
47.5°	13765.7	14268.6	15139.3	15841.2	16246.2	14968.8	14358.0	15213.5	14069.4	13600.4
50°	14356.3	15589.8	16980.2	17958.9	18044.9	16114.6	14730.9	15517.2	14406.9	13919.3
52.5°	14977.3	16644.4	18495.5	19632.8	19465.7	17111.8	15092.0	15723.1	14754.5	14325.9
55°	15517.2	17290.7	19342.5	20434.3	20189.6	17719.3	15481.8	15945.8	15250.6	14889.5
57.5°	15819.3	17344.7	19131.6	20085.0	19820.1	17601.2	15660.7	16111.2	15567.9	15284.4
58°	15863.1	17272.1	18944.3	19882.5	19612.5	17501.6	15659.0	16104.4	15588.1	15302.9
60°	15824.3	16801.3	18247.4	19082.7	18799.2	16877.3	15594.8	15977.9	15331.6	15090.3
62.5°	15464.9	15984.6	17044.3	17651.8	17570.8	15902.0	15331.6	15500.4	14550.4	14317.5
65°	14992.5	14871.0	15503.7	15934.0	15994.8	15171.3	15070.1	14467.7	13548.0	13219.0
67.5°	14418.7	13608.8	13607.1	13851.8	13953.0	14047.5	14525.0	13345.6	12103.6	11756.0
70°	13445.1	11663.2	11126.6	11415.2	11330.8	12129.0	13551.4	11769.5	10362.3	9955.6
72.5°	11659.9	9255.3	8396.4	8767.7	8555.1	9511.8	11857.3	9685.6	8568.6	8069.1
75°	9451.1	6923.4	6037.5	6378.3	6246.7	7215.3	9866.2	7034.7	6145.5	5954.8
77.5°	7338.5	5016.6	4502.0	4454.7	4552.6	5369.3	7237.2	4750.0	4051.4	3921.5
80°	4714.6	3590.8	3621.1	3560.4	3611.0	3384.9	4394.0	3030.6	2743.7	2639.1
82.5°	3103.1	2502.4	2983.3	2753.8	2615.5	2276.3	2882.1	1984.4	1684.0	1626.6
85°	2114.3	1842.6	1677.3	1282.4	1510.2	1753.2	2161.5	1068.1	847.1	767.8
87.5°	955.1	641.2	470.8	290.2	459.0	529.8	1049.6	124.9	96.2	99.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)