

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: P459280

Luminaire Tested: **GALN-SA7C-735-U-SLL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459280  
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-SA7C-735-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 1050mA 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: 39320 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

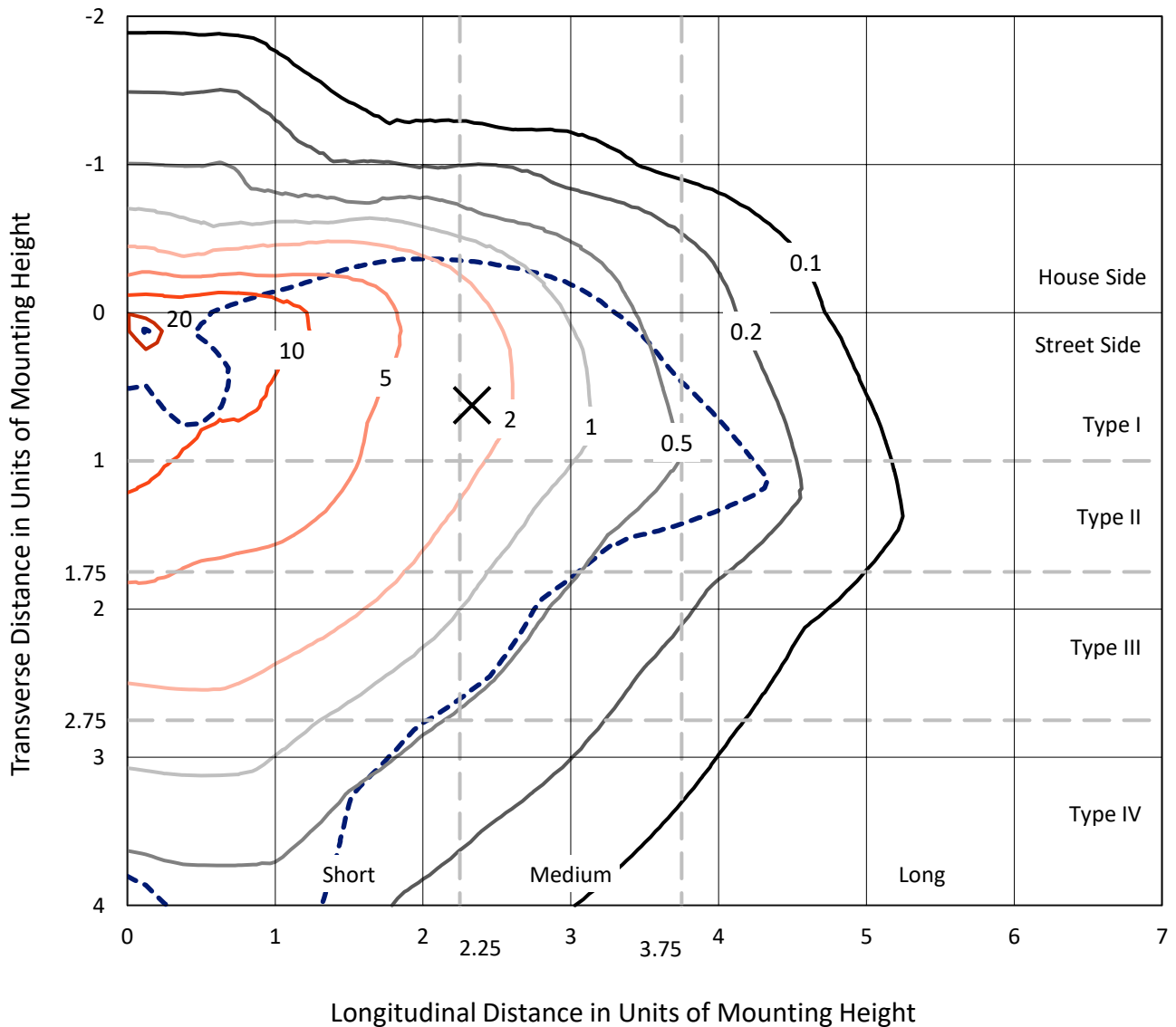
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P459280  
 CATALOG NUMBER: GALN-SA7C-735-U-SLL

### Iso-Footcandle Lines of Horizontal Illumination

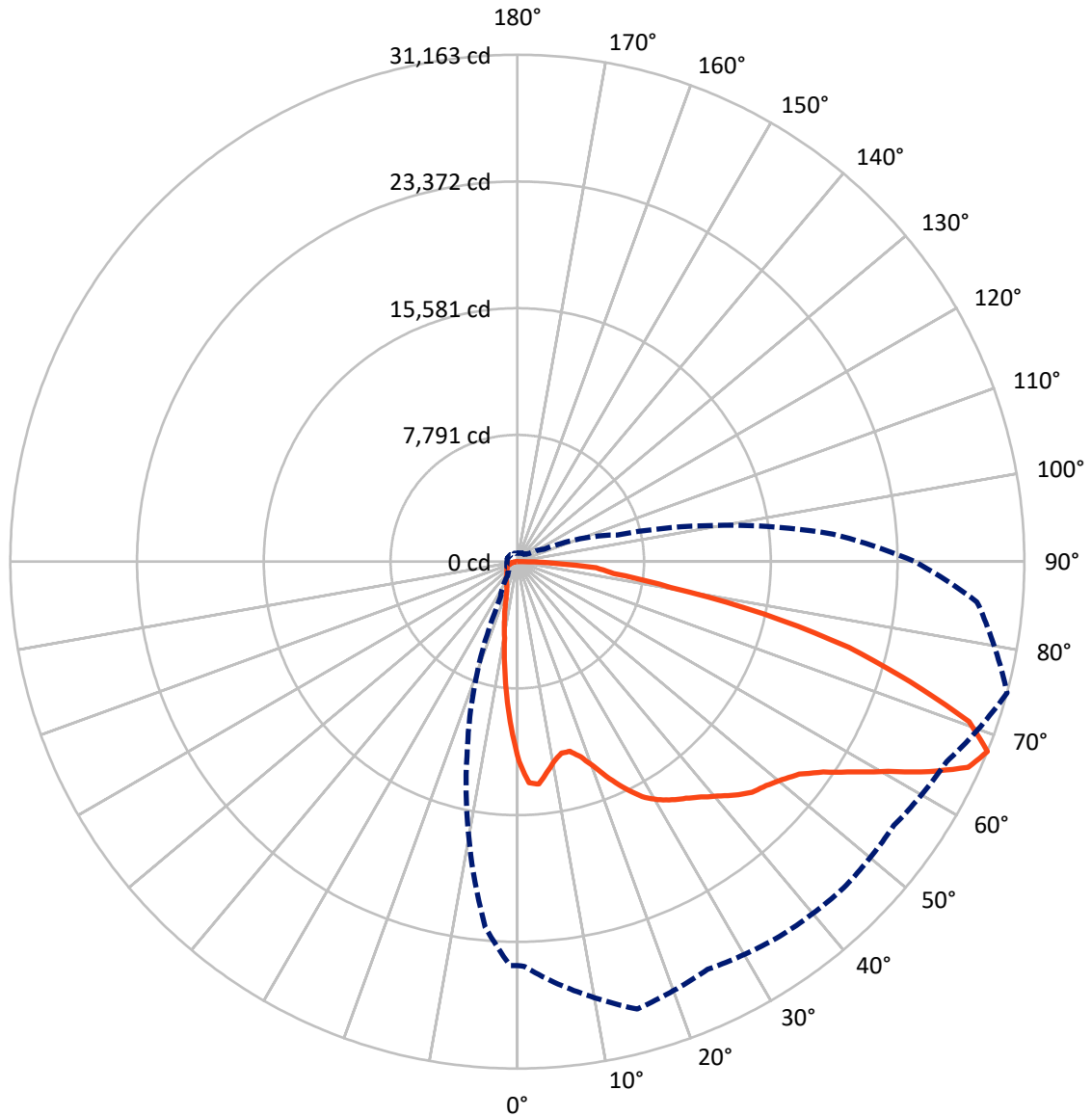
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.2 fc  
 Type III - Medium - N/A

REPORT NUMBER: P459280  
CATALOG NUMBER: GALN-SA7C-735-U-SLL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P459280

CATALOG NUMBER: GALN-SA7C-735-U-SLL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6645.9	0.0	6645.9
	% Fixture	16.9	0.0	16.9
<b>Street Side</b>	Lumens	32674.1	0.0	32674.1
	% Fixture	83.1	0.0	83.1
<b>Total</b>	Lumens	39320.0	0.0	39320.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	931.7	2.4
10°-20°	1943.2	4.9
20°-30°	2796.3	7.1
30°-40°	4027.4	10.2
40°-50°	5657.4	14.4
50°-60°	7890.1	20.1
60°-70°	9380.8	23.9
70°-80°	5524.8	14.1
80°-90°	1168.3	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°	39320.0	100.0
0°-180°	39320.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P459280

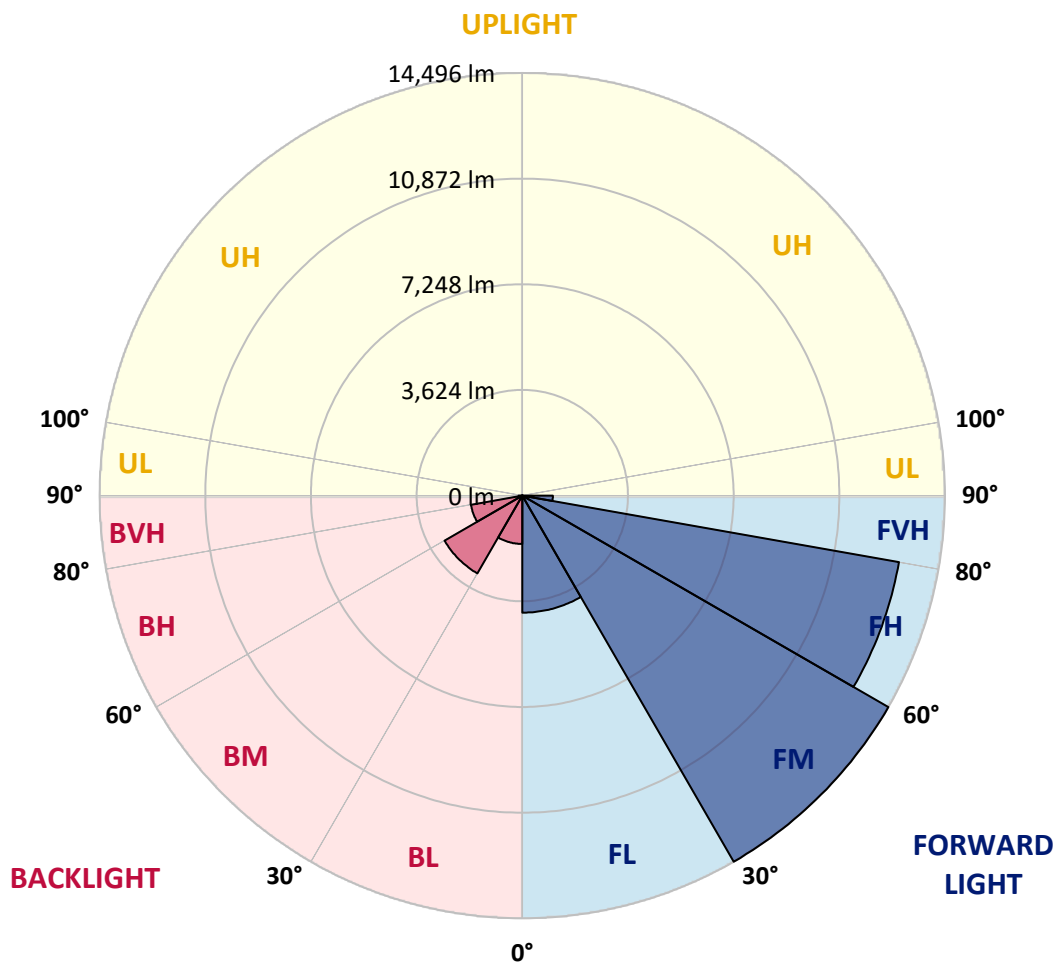
CATALOG NUMBER: GALN-SA7C-735-U-SLL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4013.5	10.2			
FM	(30°-60°)	14495.8	36.9			
FH	(60°-80°)	13117.3	33.4			G5
FVH	(80°-90°)	1047.4	2.7			G5
BL	(0°-30°)	1657.7	4.2	B3/2500		
BM	(30°-60°)	3079.1	7.8	B3/5000		
BH	(60°-80°)	1788.3	4.5	B3/2500		G3/2500
BVH	(80°-90°)	120.8	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Medium





REPORT NUMBER: P459280

CATALOG NUMBER: GALN-SA7C-735-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5
2.5°	13245.2	13262.8	13376.3	13706.6	13933.5	14016.7	14074.7	13966.3	13860.4	13603.2	13214.9
5°	13204.8	13308.2	13603.2	14344.5	14929.5	15181.6	15257.3	14932.0	14395.0	13734.3	12940.1
7.5°	12433.3	12571.9	13025.8	14268.9	15300.2	15890.2	15812.0	15224.5	14256.3	13078.8	11969.3
10°	11518.0	11671.8	12218.9	13721.7	15050.5	15862.4	15862.4	15146.3	13860.4	12461.0	11182.6
12.5°	10791.8	10953.2	11578.5	13159.4	14531.1	15300.2	15428.7	14813.5	13575.5	12070.2	10665.7
15°	10552.3	10708.6	11381.8	12819.0	13981.4	14450.4	14493.3	14291.6	13436.8	12097.9	10643.0
17.5°	10849.8	11051.5	11732.3	12919.9	13477.1	13504.9	13537.7	13696.5	13451.9	12604.7	11101.9
20°	11709.6	11926.5	12637.5	13245.2	13035.9	12748.4	12766.1	13174.6	13631.0	13441.8	12198.8
22.5°	12950.2	13139.3	13868.0	13817.5	12849.3	12256.8	12133.2	12703.1	13895.7	14485.7	13366.2
25°	14289.1	14510.9	15348.1	14667.3	12902.3	11964.3	11886.1	12425.7	14170.5	15461.5	14715.2
27.5°	15822.1	16038.9	16699.6	15524.6	13179.6	11941.6	11848.3	12400.5	14417.6	16364.2	16003.6
30°	16961.8	17161.0	17609.8	16245.7	13520.0	12092.9	11976.9	12599.7	14629.4	16982.0	17259.3
32.5°	17856.9	18063.7	18308.2	16694.5	13968.8	12367.7	12153.4	12962.8	14906.8	17453.5	18189.7
35°	18789.8	19034.4	19016.8	17092.9	14387.4	12685.4	12476.1	13487.2	15343.0	17864.5	19369.8
37.5°	19972.4	20070.7	19944.7	17450.9	14889.2	13257.8	13141.8	14266.4	15963.3	18361.2	20749.0
40°	21172.6	21369.3	20721.3	17884.6	15499.3	14334.4	14321.8	15418.7	16699.6	18943.6	22085.4
42.5°	22201.4	22367.8	21447.4	18262.9	16238.1	15648.1	15743.9	16964.3	17665.3	19619.4	23159.5
45°	22975.4	23124.2	22118.1	18628.5	17211.4	17166.0	17730.8	18620.9	18883.1	20227.1	23789.9
47.5°	23633.5	23777.3	22584.6	19183.2	18414.1	18978.9	19962.3	20348.1	19924.5	20575.0	24495.9
50°	24188.3	24231.1	22904.8	19843.8	19906.8	21200.3	22153.4	22403.1	20953.2	21074.3	25108.6
52.5°	24765.7	24710.2	23457.0	20675.9	21520.6	23308.3	24001.7	24261.4	21939.1	21689.5	26001.2
55°	26059.2	26112.1	24695.1	21724.8	23151.9	25378.4	26291.1	26041.5	23030.9	22821.6	27135.8
57.5°	27622.5	27577.1	26437.4	23366.3	24813.6	27304.8	27985.6	27584.6	24488.3	24377.4	28285.6
60°	28230.1	28290.7	27894.8	25131.3	26452.5	28991.6	29687.5	29064.7	26235.7	26185.2	29153.0
62.5°	27620.0	27960.3	28227.6	26702.1	27849.4	30232.2	30923.0	30212.0	28058.7	28424.3	29760.7
65°	26404.6	26477.7	27388.0	28033.5	28522.6	30436.4	30797.0	30418.8	29581.6	30464.1	29732.9
67.5°	24826.2	24889.2	25955.8	28469.7	27655.3	28116.7	28368.8	28257.9	29110.1	31162.6	28363.8
70°	23323.4	23273.0	24400.1	27357.7	24074.8	23373.8	23583.1	23235.2	25118.7	29455.6	25678.4
72.5°	20398.5	20580.1	21790.4	24266.4	19062.2	17922.5	18378.8	17478.7	19319.3	25227.1	20842.3
75°	15978.4	16021.3	18041.0	20365.7	14379.8	12582.0	13199.8	12824.1	14798.4	21044.0	14392.4
77.5°	11064.1	10968.3	13139.3	15554.8	10254.7	9210.9	9220.9	9041.9	10332.9	15494.3	9778.2
80°	7027.3	6881.0	8225.0	9609.2	7047.4	7539.1	7292.0	7284.5	6727.2	9558.8	5912.8
82.5°	3797.3	3958.7	5196.7	6023.7	5055.5	5827.1	5340.4	5184.1	4616.8	5983.4	3782.2
85°	1729.7	1881.0	2771.1	4097.4	3840.2	3883.0	2594.6	3061.0	3820.0	4858.8	2019.7
87.5°	168.9	216.8	572.4	1934.0	1311.2	1033.8	385.8	743.8	960.7	1727.2	161.4
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: P459280

CATALOG NUMBER: GALN-SA7C-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5
2.5°	13056.1	12924.9	12478.7	12110.5	11719.7	11422.2	11033.9	10774.2	10595.1	10325.3	10292.6
5°	12456.0	12135.7	11359.1	10567.4	9884.1	9369.7	8847.8	8368.7	8086.3	7998.0	7884.6
7.5°	11444.9	10905.3	9906.8	8999.1	8214.9	7448.4	6858.3	6439.8	6159.9	5996.0	5799.3
10°	10612.8	9987.5	8772.1	7660.2	7014.7	6538.1	6018.7	5569.9	5224.4	4929.4	4768.1
12.5°	10053.0	9347.0	7980.4	7077.7	6578.5	6071.6	5464.0	4959.7	4450.4	4115.0	3971.3
15°	9884.1	9137.7	7735.8	6787.7	6071.6	5408.5	4727.7	4069.6	3565.3	3247.6	3141.7
17.5°	10297.6	9394.9	7733.3	6402.0	5476.6	4684.9	3812.4	3194.7	2677.8	2440.8	2365.1
20°	11069.2	9889.1	7756.0	6021.2	4831.1	3716.6	2773.6	2266.8	2019.7	1918.8	1881.0
22.5°	12145.8	10643.0	7824.1	5645.5	4125.1	2854.3	2077.7	1820.5	1732.2	1714.6	1707.0
25°	13472.1	11576.0	8053.5	5307.6	3530.0	2178.5	1737.3	1621.3	1570.9	1553.2	1550.7
27.5°	14692.5	12781.2	8330.9	5017.7	2955.1	1878.5	1570.9	1472.5	1422.1	1419.6	1424.6
30°	15794.4	13789.8	8562.8	4692.4	2518.9	1669.2	1462.4	1364.1	1316.2	1313.7	1328.8
32.5°	16747.5	14619.4	8734.3	4372.2	2276.9	1540.6	1364.1	1258.2	1217.9	1210.3	1217.9
35°	17766.1	15446.4	8656.1	4122.6	2138.2	1434.7	1291.0	1187.6	1139.7	1117.0	1117.0
37.5°	18928.5	16298.6	8522.5	3915.8	2075.2	1346.5	1227.9	1127.1	1079.2	1056.5	1054.0
40°	20196.8	17150.9	8338.4	3731.7	2012.1	1293.5	1185.1	1079.2	1021.2	998.5	993.5
42.5°	21316.3	17879.6	8187.1	3610.7	1908.7	1303.6	1147.3	1043.9	970.8	940.5	938.0
45°	22289.6	18613.3	8159.4	3540.1	1823.0	1288.5	1137.2	1016.1	930.4	897.6	892.6
47.5°	23051.1	19377.3	8318.3	3499.8	1729.7	1207.8	1202.7	998.5	895.1	859.8	854.8
50°	23979.0	20461.6	8681.3	3416.6	1644.0	1132.1	1270.8	996.0	867.4	822.0	809.4
52.5°	25214.5	21873.6	9173.0	3267.8	1520.4	1061.5	1212.8	996.0	834.6	789.2	774.1
55°	27082.9	23673.9	9654.6	3058.5	1346.5	968.2	1094.3	965.7	786.7	746.3	736.3
57.5°	28320.9	24990.1	9962.2	2768.6	1129.6	900.2	943.0	917.8	738.8	695.9	695.9
60°	28383.9	25343.1	9816.0	2402.9	993.5	837.1	819.5	925.4	695.9	650.5	645.5
62.5°	27657.8	24478.2	9054.5	2075.2	920.3	769.0	741.3	811.9	653.1	607.7	600.1
65°	26523.1	22272.0	7733.3	1918.8	880.0	708.5	668.2	665.7	607.7	564.8	554.7
67.5°	24437.9	19463.1	6354.1	1828.1	859.8	640.4	602.6	590.0	554.7	519.4	514.4
70°	21364.2	16301.2	5095.8	1790.2	849.7	569.8	539.6	524.5	494.2	466.5	463.9
72.5°	16621.4	13222.5	4205.8	1765.0	844.7	504.3	471.5	451.3	433.7	408.5	408.5
75°	11939.1	9727.7	3209.8	1591.0	781.6	433.7	398.4	385.8	360.6	340.4	345.4
77.5°	7526.5	6550.7	2113.0	1170.0	605.1	348.0	317.7	310.1	290.0	262.2	279.9
80°	5083.2	4606.7	1233.0	736.3	380.7	254.7	244.6	242.1	219.4	189.1	191.6
82.5°	3459.4	3393.9	640.4	418.6	219.4	148.8	143.7	148.8	123.6	100.9	100.9
85°	1351.5	1845.7	302.6	163.9	70.6	22.7	32.8	35.3	20.2	10.1	12.6
87.5°	25.2	189.1	7.6	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: P459280

CATALOG NUMBER: GALN-SA7C-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5
2.5°	10242.1	10219.4	10257.3	10095.9	10128.7	10189.2	10219.4	10237.1	10486.7	10428.7	10587.6
5°	7990.5	7967.8	8114.0	8134.2	8209.8	8194.7	8267.8	8285.5	8376.3	8409.0	8630.9
7.5°	5811.9	5910.3	6076.7	6162.4	6291.0	6331.4	6293.5	6386.8	6197.7	6333.9	6374.2
10°	4669.7	4551.2	4480.6	4677.3	4702.5	4889.1	4813.4	4752.9	4863.9	4868.9	4974.8
12.5°	3888.1	3633.4	3464.5	3519.9	3580.5	3661.1	3673.8	3794.8	3875.5	3951.1	4014.1
15°	3048.4	2960.2	2806.4	2730.7	2816.5	2849.2	2927.4	3028.3	3114.0	3136.7	3222.4
17.5°	2339.9	2355.0	2329.8	2284.4	2337.4	2362.6	2367.6	2370.2	2392.9	2377.7	2503.8
20°	1883.5	1936.5	1999.5	2009.6	2027.2	2039.9	2017.2	1931.4	1934.0	1986.9	2027.2
22.5°	1704.5	1714.6	1785.2	1807.9	1863.4	1840.7	1775.1	1734.8	1729.7	1742.3	1762.5
25°	1563.3	1578.4	1628.9	1664.2	1707.0	1666.7	1618.8	1580.9	1575.9	1588.5	1608.7
27.5°	1437.2	1459.9	1505.3	1540.6	1580.9	1543.1	1497.7	1465.0	1462.4	1459.9	1472.5
30°	1336.4	1361.6	1394.4	1434.7	1462.4	1429.7	1386.8	1369.1	1366.6	1361.6	1366.6
32.5°	1235.5	1275.9	1308.6	1328.8	1356.5	1331.3	1298.5	1288.5	1270.8	1255.7	1248.1
35°	1122.0	1164.9	1215.3	1240.6	1268.3	1243.1	1220.4	1177.5	1147.3	1144.7	1149.8
37.5°	1056.5	1074.1	1114.5	1157.3	1185.1	1172.5	1129.6	1086.7	1079.2	1079.2	1084.2
40°	998.5	1006.1	1023.7	1079.2	1129.6	1091.8	1038.8	1026.2	1026.2	1023.7	1026.2
42.5°	940.5	948.1	948.1	990.9	1071.6	1011.1	970.8	970.8	970.8	973.3	980.8
45°	887.5	890.1	887.5	917.8	993.5	943.0	915.3	922.9	927.9	932.9	938.0
47.5°	842.2	844.7	842.2	867.4	905.2	885.0	869.9	880.0	890.1	897.6	902.7
50°	801.8	799.3	804.3	819.5	837.1	842.2	832.1	847.2	852.2	862.3	874.9
52.5°	766.5	764.0	769.0	776.6	801.8	801.8	801.8	814.4	824.5	834.6	852.2
55°	726.2	728.7	736.3	746.3	779.1	774.1	776.6	786.7	796.8	811.9	822.0
57.5°	688.4	693.4	703.5	718.6	751.4	748.9	751.4	756.4	769.0	776.6	786.7
60°	645.5	655.6	668.2	678.3	711.0	708.5	721.1	731.2	738.8	738.8	743.8
62.5°	602.6	617.8	630.4	637.9	673.2	675.7	693.4	701.0	706.0	701.0	708.5
65°	559.8	582.5	587.5	597.6	632.9	635.4	655.6	673.2	668.2	663.1	675.7
67.5°	516.9	544.6	542.1	554.7	590.0	595.1	612.7	643.0	632.9	627.8	637.9
70°	469.0	489.2	491.7	499.2	547.2	539.6	567.3	595.1	587.5	590.0	590.0
72.5°	416.0	433.7	433.7	448.8	499.2	486.6	509.3	539.6	539.6	537.1	537.1
75°	353.0	363.1	373.2	395.9	448.8	433.7	448.8	476.6	481.6	476.6	476.6
77.5°	284.9	300.1	305.1	335.4	373.2	370.7	385.8	398.4	408.5	403.4	403.4
80°	201.7	216.8	237.0	269.8	292.5	300.1	307.6	317.7	322.7	322.7	327.8
82.5°	113.5	136.2	153.8	186.6	196.7	234.5	232.0	239.5	232.0	204.2	226.9
85°	25.2	47.9	68.1	85.7	98.3	136.2	143.7	161.4	133.6	123.6	123.6
87.5°	0.0	0.0	0.0	0.0	0.0	20.2	40.3	55.5	47.9	40.3	40.3
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: P459280  
 CATALOG NUMBER: GALN-SA7C-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5	12284.5
2.5°	10721.2	10940.6	11205.3	11661.7	11981.9	12327.4	12675.3	13046.0	13144.3	13245.2
5°	8691.4	9122.6	9357.1	9969.8	10612.8	11429.7	12097.9	12829.1	13134.2	13204.8
7.5°	6583.5	6876.0	7491.2	8111.5	8908.3	9765.6	10789.3	11929.0	12284.5	12433.3
10°	5219.4	5617.8	6157.4	6823.0	7521.5	8444.3	9599.2	10930.5	11434.8	11518.0
12.5°	4442.8	4886.6	5474.1	6177.5	6838.2	7534.1	8699.0	10073.2	10612.8	10791.8
15°	3552.7	4089.8	4768.1	5509.4	6228.0	6989.5	8169.5	9720.2	10343.0	10552.3
17.5°	2791.2	3224.9	3958.7	4763.0	5615.3	6578.5	8058.6	9889.1	10655.6	10849.8
20°	2135.7	2445.8	3063.6	3913.3	4911.8	6172.5	8086.3	10527.0	11444.9	11709.6
22.5°	1845.7	2004.6	2380.2	3189.6	4306.6	5819.5	8199.8	11402.0	12508.9	12950.2
25°	1671.7	1754.9	1966.7	2496.2	3729.2	5476.6	8459.5	12579.5	13996.6	14289.1
27.5°	1523.0	1583.5	1714.6	2095.3	3204.8	5158.9	8762.0	13885.6	15385.9	15822.1
30°	1381.8	1462.4	1586.0	1860.8	2869.4	4868.9	9142.8	14944.6	16555.8	16961.8
32.5°	1273.3	1354.0	1467.5	1696.9	2584.5	4563.8	9369.7	15875.0	17511.5	17856.9
35°	1185.1	1253.2	1371.7	1565.8	2367.6	4331.8	9324.3	16613.8	18436.8	18789.8
37.5°	1122.0	1180.0	1298.5	1442.3	2203.7	4089.8	9301.6	17589.6	19563.9	19972.4
40°	1064.1	1124.6	1233.0	1361.6	2039.9	3804.9	9314.2	18557.9	20764.1	21172.6
42.5°	1018.7	1086.7	1175.0	1338.9	1870.9	3575.4	9314.2	19400.0	21808.0	22201.4
45°	980.8	1054.0	1139.7	1336.4	1737.3	3401.4	9251.2	20123.7	22640.1	22975.4
47.5°	948.1	1028.8	1152.3	1291.0	1704.5	3275.4	9195.7	20703.6	23318.4	23633.5
50°	925.4	1021.2	1225.4	1238.0	1714.6	3237.5	9463.0	21434.8	23915.9	24188.3
52.5°	907.7	1023.7	1222.9	1159.9	1696.9	3262.8	10020.2	22577.1	24745.5	24765.7
55°	872.4	1021.2	1159.9	1071.6	1623.8	3305.6	10736.3	24236.2	26044.0	26059.2
57.5°	837.1	993.5	1076.7	996.0	1475.0	3305.6	11598.7	25807.0	27609.9	27622.5
60°	801.8	1033.8	945.5	930.4	1280.9	3245.1	12508.9	26497.9	28101.5	28230.1
62.5°	766.5	1041.4	844.7	872.4	1139.7	3098.9	13187.2	25733.9	27435.9	27620.0
65°	726.2	839.6	779.1	811.9	1066.6	2854.3	12972.9	24334.5	26185.2	26404.6
67.5°	678.3	711.0	708.5	748.9	1041.4	2493.7	11843.2	22564.4	24838.8	24826.2
70°	620.3	637.9	645.5	688.4	993.5	2213.8	9869.0	20267.4	23041.0	23323.4
72.5°	559.8	574.9	582.5	620.3	945.5	2055.0	7660.2	17103.0	19957.3	20398.5
75°	494.2	504.3	514.4	547.2	895.1	1820.5	5456.4	13056.1	15285.0	15978.4
77.5°	426.1	426.1	438.7	471.5	753.9	1502.8	3661.1	9157.9	10355.6	11064.1
80°	345.4	348.0	342.9	378.2	554.7	1028.8	2080.2	6117.0	6891.1	7027.3
82.5°	264.8	257.2	259.7	277.4	413.5	701.0	1109.4	3799.8	3872.9	3797.3
85°	166.4	166.4	161.4	181.5	264.8	365.6	605.1	2327.3	1818.0	1729.7
87.5°	68.1	55.5	63.0	73.1	126.1	148.8	237.0	479.1	184.1	168.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)