

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: P459166

Luminaire Tested: **GALN-SA6C-735-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459166
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-SA6C-735-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 33476 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

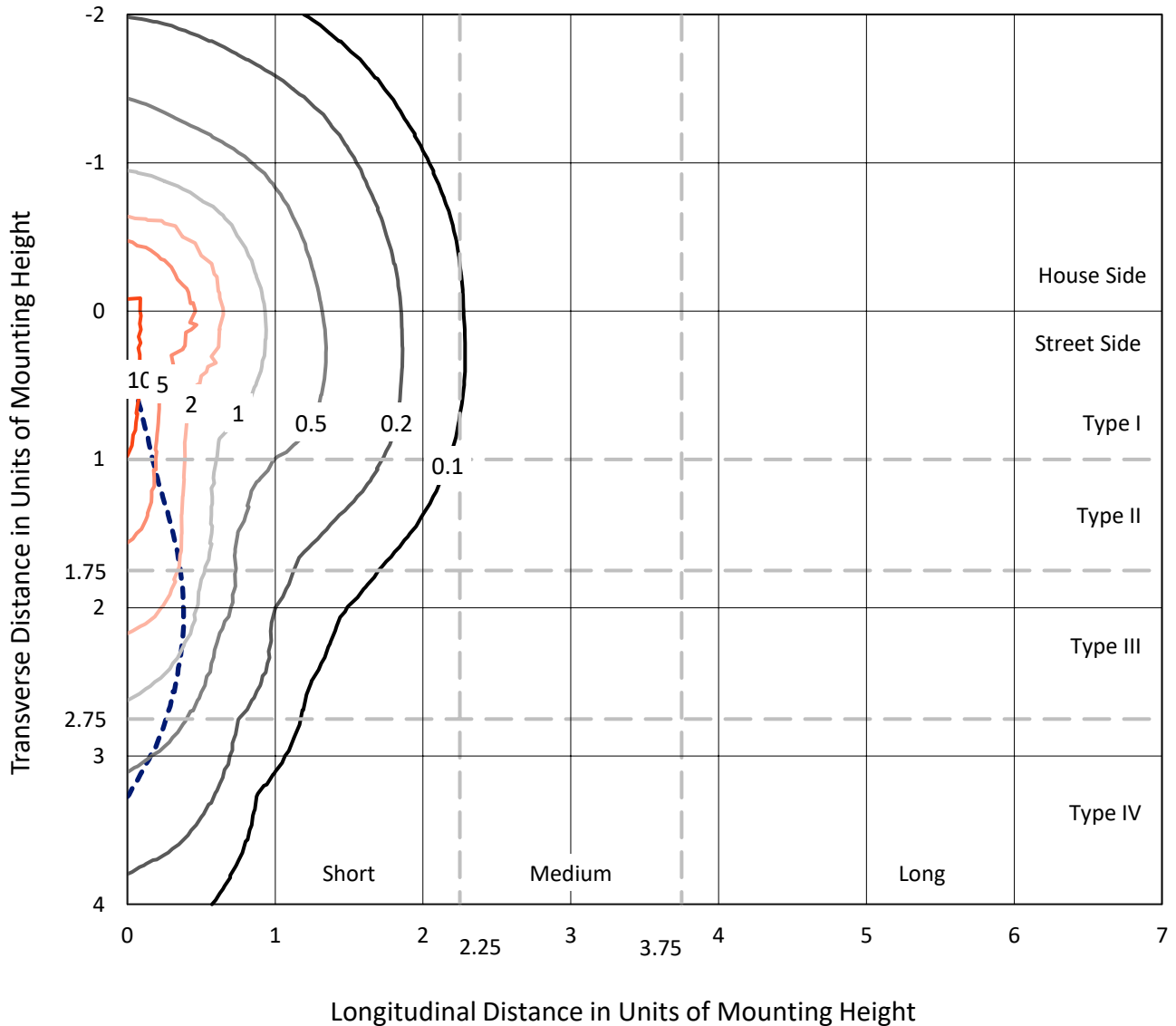
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459166
 CATALOG NUMBER: GALN-SA6C-735-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

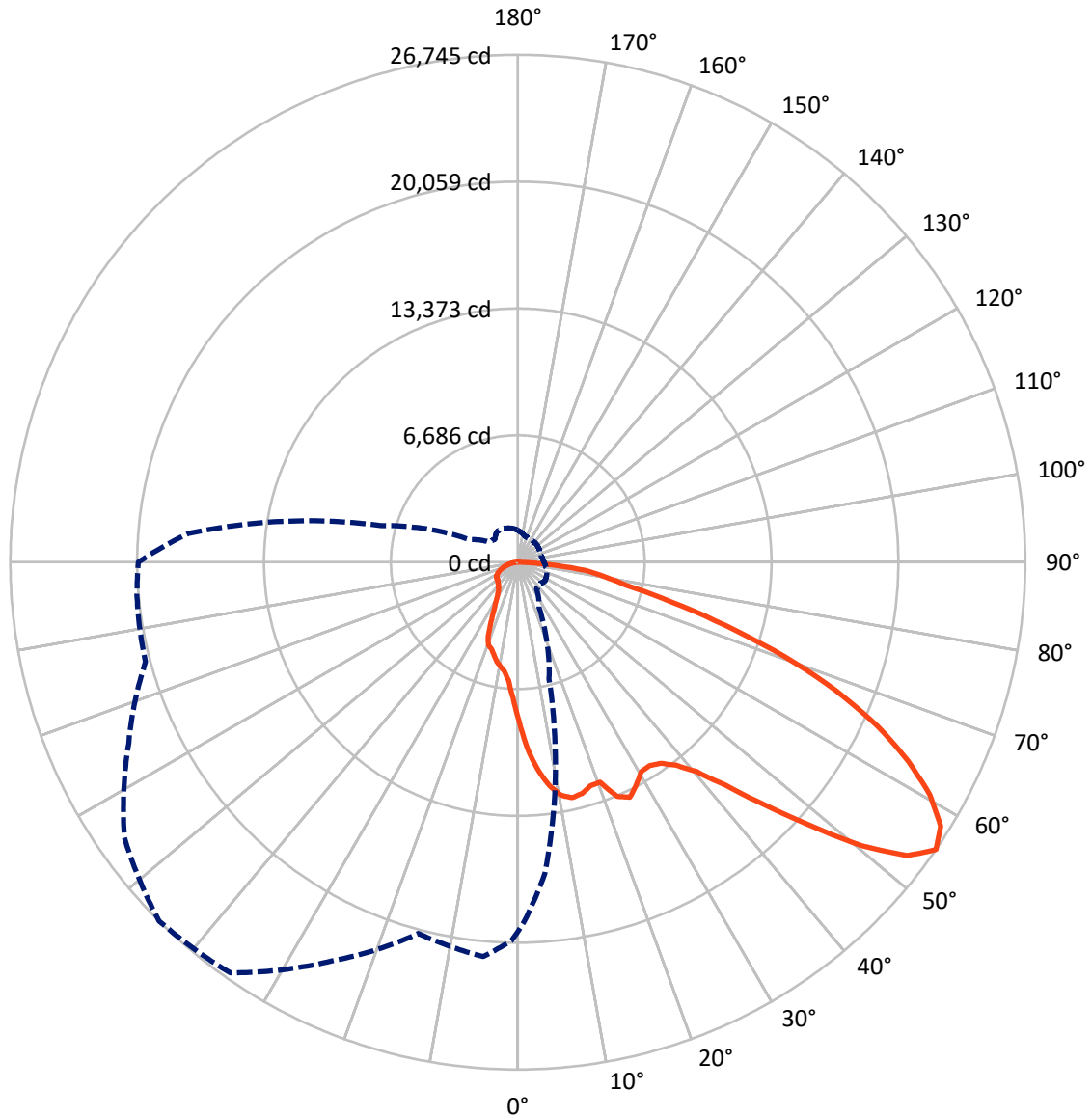
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P459166
CATALOG NUMBER: GALN-SA6C-735-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P459166

CATALOG NUMBER: GALN-SA6C-735-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7322.7	0.0	7322.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	26153.3	0.0	26153.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	33476.0	0.0	33476.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.0	2.1
10°-20°	1889.0	5.6
20°-30°	3263.4	9.7
30°-40°	3792.5	11.3
40°-50°	5291.4	15.8
50°-60°	7179.8	21.4
60°-70°	6830.7	20.4
70°-80°	3690.1	11.0
80°-90°	827.0	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°	33476.0	100.0
0°-180°	33476.0	100.0



REPORT NUMBER: P459166

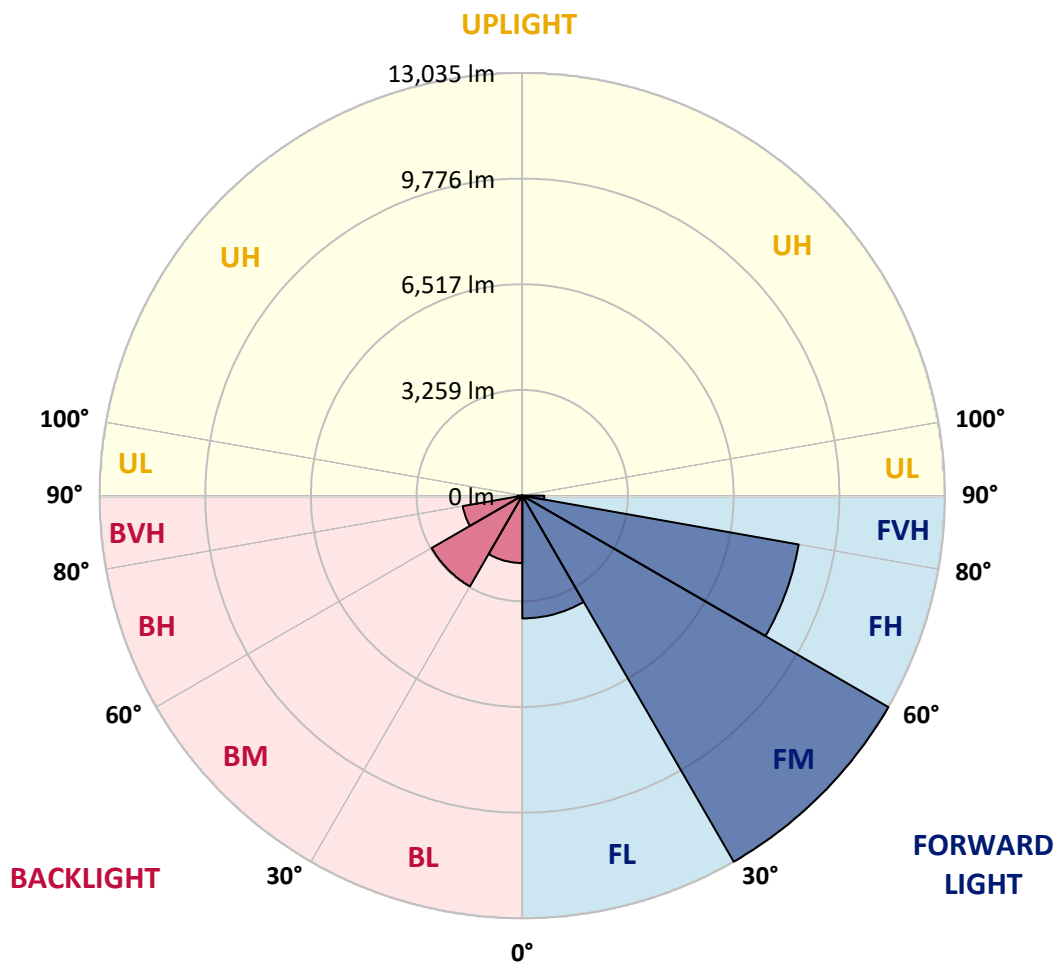
CATALOG NUMBER: GALN-SA6C-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3786.2	11.3			
FM	(30°-60°)	13034.9	38.9			
FH	(60°-80°)	8656.3	25.9			G4/12000
FVH	(80°-90°)	675.9	2.0			G4/750
BL	(0°-30°)	2078.2	6.2	B3/2500		
BM	(30°-60°)	3228.8	9.6	B3/5000		
BH	(60°-80°)	1864.5	5.6	B3/2500		G3/2500
BVH	(80°-90°)	151.1	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: P459166

CATALOG NUMBER: GALN-SA6C-735-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2
2.5°	9333.2	9297.8	9198.4	8937.8	8675.0	8407.8	8202.4	7946.2	7679.0	7535.4	7352.1
5°	9461.3	9421.5	9187.4	8599.9	8067.7	7508.9	7062.8	6671.9	6512.9	6278.8	6091.1
7.5°	9160.9	9143.2	8792.1	7948.4	7219.6	6488.6	5982.9	5669.2	5384.3	5278.3	5300.4
10°	8887.0	8816.4	8376.9	7274.8	6424.6	5830.5	5468.3	5161.3	4960.3	4907.3	4918.3
12.5°	8659.6	8564.6	8045.6	6822.1	6077.8	5603.0	5141.4	4821.2	4637.9	4688.7	4860.9
15°	8613.2	8485.1	7906.5	6667.5	5887.9	5276.1	4770.4	4401.6	4264.6	4375.1	4651.1
17.5°	8913.5	8752.3	8145.0	6718.3	5706.8	4942.6	4322.1	3900.2	3785.4	3962.1	4322.1
20°	9878.7	9640.1	8889.2	7012.0	5689.1	4777.0	4061.4	3637.4	3686.0	4021.7	4397.1
22.5°	11663.1	11305.4	10192.3	7440.5	5781.9	4735.0	4008.4	3787.6	4054.8	4339.7	4587.1
25°	12016.5	11736.0	10426.4	7537.6	5762.0	4706.3	4158.6	4269.0	4567.2	4708.5	4622.4
27.5°	12215.3	11895.0	10410.9	7056.2	5152.5	4269.0	3975.3	4158.6	4233.7	4096.8	3862.7
30°	12679.1	12345.6	10673.7	6550.4	4242.5	3167.0	2776.1	2701.0	2751.8	2778.3	2694.4
32.5°	13317.3	12988.2	11168.4	6219.2	3668.3	2619.3	2235.0	2129.0	2104.7	2076.0	2042.9
35°	14143.3	13637.5	11654.3	6007.1	3432.0	2422.7	2069.4	1987.7	1954.5	1914.8	1879.4
37.5°	14982.5	14452.5	12268.3	5784.1	3275.2	2285.8	1958.9	1921.4	1864.0	1822.0	1771.2
40°	15874.8	15280.7	12827.0	5589.7	3122.8	2197.5	1879.4	1875.0	1799.9	1751.3	1691.7
42.5°	16647.7	16036.0	13326.1	5470.5	3005.8	2104.7	1830.9	1844.1	1766.8	1693.9	1616.6
45°	17261.7	16661.0	13787.7	5470.5	2910.8	2012.0	1822.0	1813.2	1735.9	1645.3	1557.0
47.5°	17800.6	17180.0	14238.3	5609.6	2851.2	1934.7	1773.4	1788.9	1709.4	1594.5	1508.4
50°	18218.0	17670.3	14845.6	5826.0	2791.6	1872.8	1711.6	1795.5	1687.3	1568.0	1468.7
52.5°	18750.2	18260.0	15576.6	6122.0	2740.8	1804.4	1656.4	1795.5	1685.1	1570.2	1462.0
55°	19487.9	18971.1	16457.8	6367.1	2659.0	1740.3	1607.8	1744.7	1678.5	1559.2	1444.4
57.5°	20004.7	19618.2	17080.6	6530.6	2542.0	1658.6	1563.6	1696.1	1649.8	1517.2	1391.4
58°	20029.0	19651.3	17171.2	6568.1	2513.3	1643.1	1552.6	1674.0	1636.5	1499.6	1373.7
60°	19750.7	19426.0	17188.8	6515.1	2349.9	1565.8	1495.2	1583.5	1565.8	1395.8	1278.7
62.5°	18739.2	18392.5	16475.5	6084.4	2133.4	1470.9	1406.8	1462.0	1422.3	1250.0	1141.8
65°	17301.5	16663.2	15009.0	5408.6	1978.8	1369.3	1287.6	1292.0	1250.0	1126.3	1031.4
67.5°	15386.7	14673.3	12707.8	4558.4	1861.8	1256.6	1146.2	1135.2	1084.4	1004.9	927.6
70°	13030.2	12542.1	10327.0	3708.1	1731.5	1133.0	987.2	980.6	949.7	890.0	821.6
72.5°	10561.1	9940.5	8339.3	2968.2	1572.5	1013.7	839.2	852.5	812.7	770.8	708.9
75°	7793.8	7387.5	6446.6	2380.8	1358.2	883.4	700.1	704.5	686.8	642.7	594.1
77.5°	5132.6	5011.1	4611.4	1563.6	1044.6	702.3	572.0	576.4	563.2	523.4	472.6
80°	3454.1	3372.4	3125.0	1007.1	697.9	508.0	441.7	446.1	443.9	401.9	333.5
82.5°	2129.0	2093.7	2014.2	680.2	483.7	364.4	291.5	304.8	329.1	282.7	227.5
85°	1004.9	1007.1	1216.9	371.0	284.9	234.1	159.0	170.1	170.1	170.1	128.1
87.5°	130.3	136.9	167.8	156.8	103.8	88.3	57.4	48.6	42.0	55.2	39.8
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: P459166

CATALOG NUMBER: GALN-SA6C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2
2.5°	7288.1	7243.9	7148.9	7126.9	7113.6	7151.2	7051.8	7078.3	7034.1	7157.8	7137.9
5°	6102.1	6106.5	6183.8	6234.6	6252.3	6234.6	6168.4	6053.5	5965.2	5929.8	5938.7
7.5°	5258.5	5335.8	5468.3	5616.2	5751.0	5790.7	5753.2	5534.5	5296.0	5145.8	5097.2
10°	4978.0	5081.8	5234.2	5351.2	5470.5	5565.4	5585.3	5415.3	5132.6	4777.0	4637.9
12.5°	4993.4	5134.8	5280.5	5318.1	5307.0	5344.6	5326.9	5298.2	5112.7	4660.0	4428.1
15°	4847.7	5015.5	5117.1	5097.2	5061.9	5028.8	4982.4	4909.5	4843.3	4525.2	4269.0
17.5°	4512.0	4684.2	4768.2	4774.8	4774.8	4766.0	4653.3	4626.8	4618.0	4463.4	4306.6
20°	4573.8	4668.8	4631.2	4569.4	4587.1	4646.7	4580.4	4567.2	4618.0	4686.5	4657.7
22.5°	4609.2	4576.0	4293.3	4019.5	3957.6	4143.2	4180.7	4328.7	4534.1	4781.4	4942.6
25°	4390.5	4123.3	3617.5	3308.3	3133.9	3306.1	3531.4	3805.3	4112.2	4430.3	4618.0
27.5°	3670.5	3467.4	3105.2	2826.9	2674.5	2701.0	2893.1	3142.7	3427.6	3641.8	3778.8
30°	2765.1	2674.5	2486.8	2391.8	2299.1	2277.0	2358.7	2453.7	2579.5	2606.0	2641.4
32.5°	2036.2	2023.0	2034.0	2003.1	1985.4	1983.2	1958.9	1981.0	1994.3	2009.7	1978.8
35°	1841.9	1824.2	1793.3	1784.5	1773.4	1777.8	1766.8	1755.8	1764.6	1777.8	1786.7
37.5°	1742.5	1716.0	1671.8	1656.4	1656.4	1663.0	1645.3	1640.9	1656.4	1698.3	1720.4
40°	1665.2	1634.3	1583.5	1563.6	1576.9	1594.5	1570.2	1561.4	1599.0	1643.1	1678.5
42.5°	1592.3	1568.0	1519.5	1497.4	1508.4	1541.5	1506.2	1499.6	1548.2	1596.8	1638.7
45°	1530.5	1506.2	1462.0	1451.0	1455.4	1486.3	1462.0	1462.0	1508.4	1561.4	1599.0
47.5°	1481.9	1451.0	1422.3	1413.4	1417.9	1435.5	1431.1	1431.1	1475.3	1530.5	1568.0
50°	1433.3	1406.8	1369.3	1373.7	1384.7	1409.0	1406.8	1413.4	1457.6	1526.1	1565.8
52.5°	1411.2	1371.5	1329.5	1333.9	1367.1	1395.8	1386.9	1393.6	1444.4	1572.5	1629.9
55°	1386.9	1333.9	1285.4	1292.0	1329.5	1371.5	1360.4	1369.3	1428.9	1603.4	1682.9
57.5°	1340.6	1278.7	1225.7	1230.1	1285.4	1329.5	1311.9	1322.9	1393.6	1570.2	1654.2
58°	1320.7	1267.7	1216.9	1219.1	1272.1	1320.7	1300.8	1309.6	1382.5	1561.4	1640.9
60°	1236.8	1205.8	1161.7	1163.9	1214.7	1256.6	1245.6	1254.4	1325.1	1497.4	1557.0
62.5°	1121.9	1104.3	1093.2	1093.2	1124.1	1163.9	1174.9	1186.0	1250.0	1353.8	1406.8
65°	998.2	998.2	1000.5	1000.5	1020.3	1071.1	1077.8	1106.5	1166.1	1216.9	1256.6
67.5°	914.3	909.9	914.3	903.3	912.1	943.0	976.2	1002.7	1064.5	1099.8	1113.1
70°	806.1	803.9	806.1	790.6	801.7	828.2	850.3	894.4	958.5	985.0	991.6
72.5°	700.1	700.1	704.5	693.5	693.5	722.2	737.6	786.2	845.9	861.3	863.5
75°	589.7	596.3	596.3	580.8	585.3	602.9	622.8	662.6	717.8	728.8	728.8
77.5°	468.2	492.5	492.5	477.0	483.7	485.9	512.4	532.3	574.2	578.6	561.0
80°	340.1	364.4	384.3	371.0	382.1	368.8	384.3	397.5	439.5	419.6	390.9
82.5°	242.9	260.6	276.1	278.3	267.2	242.9	262.8	265.0	284.9	258.4	242.9
85°	134.7	150.2	170.1	161.2	143.6	128.1	134.7	139.1	136.9	130.3	121.5
87.5°	35.3	37.5	42.0	30.9	28.7	24.3	33.1	33.1	37.5	39.8	37.5
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: P459166
 CATALOG NUMBER: GALN-SA6C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2
2.5°	7153.4	7250.5	7460.3	7619.4	7813.7	8050.0	8328.3	8608.8	8911.3	9006.3	9138.8
5°	5918.8	6161.7	6263.3	6552.6	6839.8	7270.4	7729.8	8262.0	8845.1	9125.6	9395.0
7.5°	5057.5	5187.8	5293.8	5505.8	5850.3	6373.8	6950.2	7614.9	8440.9	8849.5	9244.8
10°	4593.7	4606.9	4737.3	5000.1	5300.4	5762.0	6307.5	7051.8	7972.7	8469.6	8933.4
12.5°	4286.7	4229.3	4370.6	4644.5	4984.6	5410.8	5912.2	6621.1	7634.8	8145.0	8705.9
15°	4017.3	3926.7	4032.7	4313.2	4648.9	5150.2	5689.1	6440.0	7502.3	8096.4	8719.2
17.5°	4023.9	3774.3	3811.9	4048.2	4381.7	4891.8	5545.6	6433.4	7703.3	8387.9	9125.6
20°	4520.8	4121.1	3951.0	3995.2	4317.6	4874.2	5611.8	6742.6	8363.6	9361.9	10150.3
22.5°	5008.9	4768.2	4494.3	4403.8	4580.4	5163.5	6033.6	7473.6	9799.2	11303.1	12727.6
25°	4838.8	5044.2	4975.8	4847.7	4887.4	5371.1	6320.8	8074.3	10914.5	12608.4	13946.7
27.5°	3871.5	4244.8	4319.8	4317.6	4333.1	4730.6	5684.7	7670.2	11053.6	12857.9	14136.7
30°	2720.9	2754.0	2793.8	2871.1	2941.7	3297.3	4447.9	6733.7	10991.7	12970.6	14251.5
32.5°	1963.4	2007.5	2062.7	2168.8	2336.6	2789.3	3891.4	6435.6	11318.6	13436.6	14587.2
35°	1795.5	1846.3	1899.3	2020.8	2179.8	2599.4	3670.5	6311.9	11855.3	14191.9	15190.1
37.5°	1742.5	1799.9	1846.3	1934.7	2062.7	2462.5	3469.6	6228.0	12405.2	14991.4	15998.4
40°	1705.0	1771.2	1808.8	1879.4	1967.8	2336.6	3290.7	6161.7	12937.4	15722.4	16647.7
42.5°	1671.8	1740.3	1788.9	1839.7	1912.6	2224.0	3131.7	6095.5	13399.0	16431.3	17294.8
45°	1632.1	1718.2	1780.1	1819.8	1883.9	2129.0	3010.2	6042.5	13924.6	17060.7	17948.6
47.5°	1599.0	1693.9	1771.2	1817.6	1841.9	2062.7	2913.0	6115.4	14556.3	17718.9	18555.9
50°	1601.2	1691.7	1788.9	1861.8	1797.7	2007.5	2853.4	6404.7	15377.8	18500.7	19035.1
52.5°	1671.8	1782.3	1859.6	1877.2	1735.9	1941.3	2822.5	6910.4	16349.6	19191.9	19518.8
55°	1751.3	1866.2	1950.1	1939.1	1702.8	1857.4	2815.8	7449.3	17414.1	19998.0	20148.2
57.5°	1722.6	1890.5	2018.6	1961.2	1705.0	1775.6	2787.1	7884.4	18304.1	20601.0	20771.0
58°	1713.8	1881.6	2027.4	1956.7	1698.3	1751.3	2780.5	7921.9	18427.8	20642.9	20859.4
60°	1627.7	1804.4	2020.8	1923.6	1660.8	1685.1	2707.6	8043.4	18394.7	20426.5	20912.4
62.5°	1470.9	1616.6	1868.4	1762.4	1546.0	1596.8	2544.2	7893.2	17498.0	19384.1	20137.2
65°	1294.2	1402.4	1570.2	1550.4	1382.5	1506.2	2321.1	7299.1	15702.5	17692.4	18485.2
67.5°	1161.7	1250.0	1356.0	1327.3	1243.4	1384.7	2080.4	6294.3	13688.3	15660.5	16658.8
70°	1027.0	1095.4	1148.4	1128.5	1102.0	1265.5	1866.2	5108.3	11758.1	13730.3	14697.6
72.5°	890.0	954.1	998.2	969.5	954.1	1139.6	1691.7	3964.3	9286.8	11327.4	12570.8
75°	744.3	808.3	839.2	806.1	797.3	1004.9	1433.3	2961.6	6967.8	8732.4	9805.8
77.5°	576.4	644.9	684.6	673.6	678.0	826.0	1157.3	2027.4	4982.4	5951.9	7082.7
80°	404.2	479.2	505.7	494.7	525.6	629.4	817.1	1287.6	3436.4	3862.7	4660.0
82.5°	249.6	320.2	324.7	335.7	357.8	466.0	616.2	784.0	2157.7	2230.6	2809.2
85°	125.9	152.4	163.4	181.1	201.0	284.9	351.2	485.9	1389.2	1051.3	1570.2
87.5°	42.0	44.2	53.0	66.3	81.7	117.1	150.2	198.8	344.5	189.9	485.9
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: P459166

CATALOG NUMBER: GALN-SA6C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2	8401.2
2.5°	9406.0	9593.8	9730.7	9856.6	9735.1	9724.1	9604.8	9412.7	9333.2	9333.2
5°	9960.4	10399.9	10755.4	10982.9	10885.7	10651.6	10265.1	9772.7	9507.6	9461.3
7.5°	10112.8	10980.7	11641.1	11875.2	11711.7	11194.9	10455.1	9624.7	9244.8	9160.9
10°	10020.0	11148.6	12118.1	12489.1	12261.6	11479.8	10470.5	9452.4	8984.2	8887.0
12.5°	9922.8	11170.6	12206.4	12743.1	12595.1	11709.5	10583.2	9339.8	8798.7	8659.6
15°	9993.5	11179.5	12098.2	12652.5	12747.5	11985.6	10768.7	9421.5	8761.2	8613.2
17.5°	10439.6	11347.3	11943.6	12391.9	12725.4	12361.0	11296.5	9812.4	9096.8	8913.5
20°	11371.6	11749.3	12032.0	12378.7	12915.4	13127.4	12376.5	10885.7	10039.9	9878.7
22.5°	14070.4	14001.9	13423.3	13416.7	14194.1	15044.4	14993.6	13067.7	11795.6	11663.1
25°	15081.9	14763.9	13926.9	13723.7	14066.0	15377.8	15187.9	13513.9	12338.9	12016.5
27.5°	14686.6	13898.1	13348.2	13301.8	13189.2	14428.2	14885.4	13695.0	12528.9	12215.3
30°	14662.3	13502.8	12716.6	12809.4	12917.6	14101.3	15053.2	14262.6	13014.7	12679.1
32.5°	14721.9	13558.0	12763.0	12780.6	13103.1	14149.9	15238.7	14880.9	13653.0	13317.3
35°	14962.6	13871.6	13058.9	13017.0	13520.5	14467.9	15554.5	15852.7	14525.4	14143.3
37.5°	15351.3	14496.7	13600.0	13589.0	14320.0	15042.2	15947.6	16833.3	15393.3	14982.5
40°	15923.4	15227.7	14562.9	14503.3	15406.6	15976.4	16457.8	17877.9	16402.6	15874.8
42.5°	16614.6	16104.4	15832.8	16069.1	16937.1	17025.4	17252.9	18843.0	17261.7	16647.7
45°	17255.1	17230.8	17608.4	18235.7	18741.4	18211.4	18083.3	19490.1	17928.7	17261.7
47.5°	18017.0	18675.2	19814.7	20733.5	21263.5	19591.7	18792.2	19911.9	18414.5	17800.6
50°	18790.0	20404.4	22224.2	23505.2	23617.8	21091.3	19280.3	20309.4	18856.3	18218.0
52.5°	19602.7	21784.7	24207.5	25696.0	25477.4	22396.5	19752.9	20578.9	19311.2	18750.2
55°	20309.4	22630.6	25316.1	26745.0	26424.8	23191.6	20263.1	20870.4	19960.5	19487.9
57.5°	20704.8	22701.3	25040.1	26287.9	25941.1	23037.0	20497.2	21086.8	20375.7	20004.7
58°	20762.2	22606.3	24794.9	26022.9	25669.5	22906.7	20495.0	21078.0	20402.2	20029.0
60°	20711.4	21990.1	23882.8	24976.0	24605.0	22089.5	20411.0	20912.4	20066.5	19750.7
62.5°	20241.0	20921.2	22308.1	23103.2	22997.2	20813.0	20066.5	20287.4	19044.0	18739.2
65°	19622.6	19463.6	20291.8	20855.0	20934.5	19856.7	19724.2	18935.8	17732.1	17301.5
67.5°	18871.7	17811.6	17809.4	18129.7	18262.2	18385.8	19010.8	17467.1	15841.6	15386.7
70°	17597.4	15265.2	14562.9	14940.6	14830.1	15874.8	17736.5	15404.4	13562.5	13030.2
72.5°	15260.8	12113.7	10989.5	11475.4	11197.1	12449.4	15519.2	12676.8	11214.8	10561.1
75°	12369.9	9061.5	7902.0	8348.2	8175.9	9443.6	12913.2	9207.3	8043.4	7793.8
77.5°	9604.8	6565.9	5892.3	5830.5	5958.6	7027.5	9472.3	6217.0	5302.6	5132.6
80°	6170.6	4699.7	4739.5	4660.0	4726.2	4430.3	5751.0	3966.5	3591.0	3454.1
82.5°	4061.4	3275.2	3904.6	3604.3	3423.2	2979.3	3772.1	2597.2	2204.1	2129.0
85°	2767.3	2411.7	2195.3	1678.5	1976.6	2294.6	2829.1	1398.0	1108.7	1004.9
87.5°	1250.0	839.2	616.2	379.9	600.7	693.5	1373.7	163.4	125.9	130.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)