

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: P456005

Luminaire Tested: **GALN-SA7B-727-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456005
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-SA7B-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 800mA 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: 28571 lumens
Efficiency: N/A
Efficacy: 99.9 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

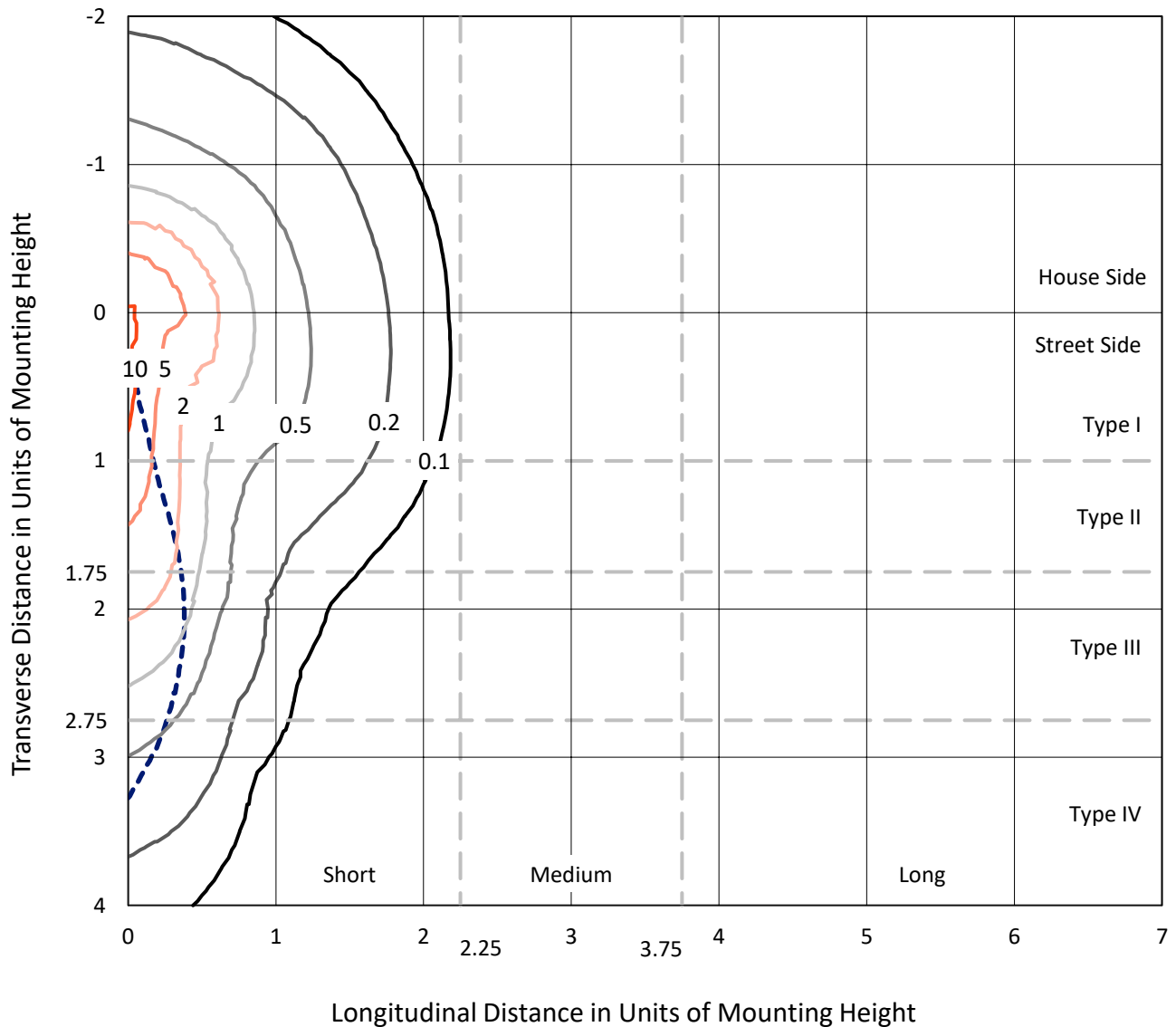
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P456005
 CATALOG NUMBER: GALN-SA7B-727-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

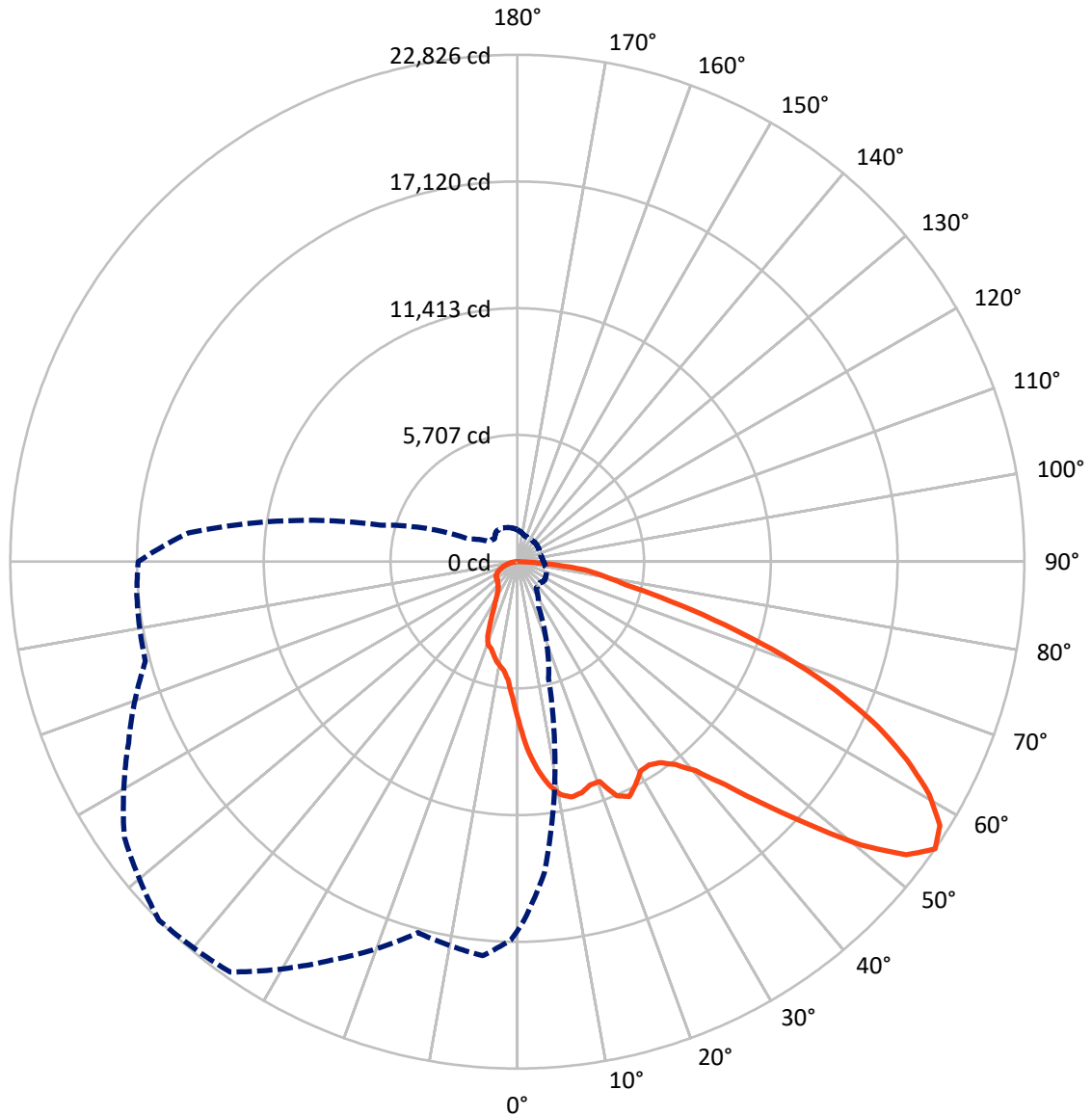
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P456005
CATALOG NUMBER: GALN-SA7B-727-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P456005

CATALOG NUMBER: GALN-SA7B-727-U-SLR

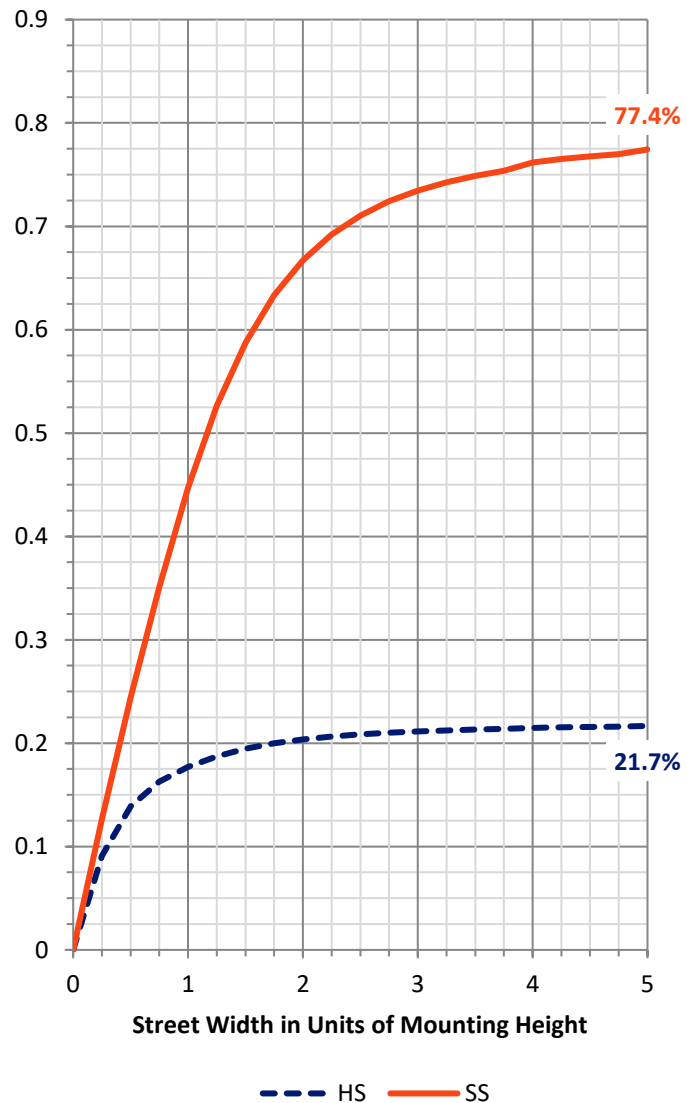
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6249.8	0.0	6249.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	22321.2	0.0	22321.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	28571.0	0.0	28571.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.7	2.1
10°-20°	1612.2	5.6
20°-30°	2785.2	9.7
30°-40°	3236.9	11.3
40°-50°	4516.1	15.8
50°-60°	6127.8	21.4
60°-70°	5829.9	20.4
70°-80°	3149.5	11.0
80°-90°	705.8	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°	28571.0	100.0
0°-180°	28571.0	100.0



REPORT NUMBER: P456005

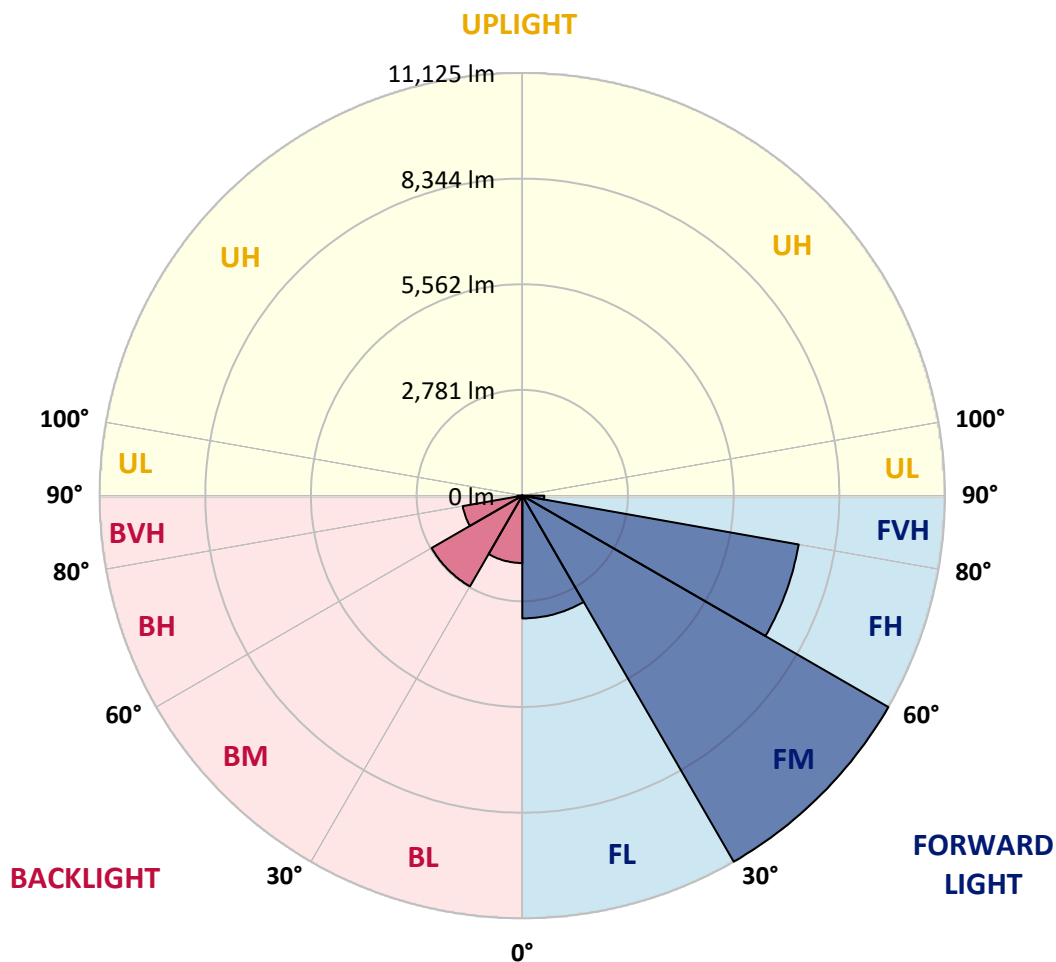
CATALOG NUMBER: GALN-SA7B-727-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3231.4	11.3			
FM	(30°-60°)	11125.0	38.9			
FH	(60°-80°)	7388.0	25.9			G3/7500
FVH	(80°-90°)	576.9	2.0			G4/750
BL	(0°-30°)	1773.7	6.2	B3/2500		
BM	(30°-60°)	2755.7	9.6	B3/5000		
BH	(60°-80°)	1591.3	5.6	B3/2500		G3/2500
BVH	(80°-90°)	129.0	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: P456005

CATALOG NUMBER: GALN-SA7B-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2
2.5°	7965.6	7935.5	7850.7	7628.2	7403.9	7175.9	7000.6	6781.9	6553.8	6431.3	6274.9
5°	8075.0	8041.0	7841.2	7339.8	6885.6	6408.7	6027.9	5694.3	5558.6	5358.8	5198.6
7.5°	7818.6	7803.5	7503.8	6783.8	6161.8	5537.9	5106.2	4838.6	4595.4	4504.9	4523.8
10°	7584.9	7524.6	7149.5	6208.9	5483.2	4976.2	4667.0	4405.0	4233.5	4188.3	4197.7
12.5°	7390.7	7309.7	6866.7	5822.5	5187.3	4782.0	4388.1	4114.8	3958.3	4001.7	4148.7
15°	7351.2	7241.8	6748.0	5690.5	5025.2	4503.1	4071.4	3756.6	3639.8	3734.0	3969.6
17.5°	7607.5	7469.9	6951.6	5733.9	4870.6	4218.4	3688.8	3328.8	3230.7	3381.5	3688.8
20°	8431.2	8227.6	7586.8	5984.6	4855.5	4077.1	3466.4	3104.4	3145.9	3432.4	3752.9
22.5°	9954.2	9648.9	8698.9	6350.3	4934.7	4041.3	3421.1	3232.6	3460.7	3703.9	3915.0
25°	10255.8	10016.4	8898.7	6433.2	4917.7	4016.7	3549.3	3643.5	3898.0	4018.6	3945.1
27.5°	10425.4	10152.1	8885.5	6022.3	4397.5	3643.5	3392.8	3549.3	3613.4	3496.5	3296.7
30°	10821.3	10536.7	9109.8	5590.6	3620.9	2703.0	2369.3	2305.2	2348.6	2371.2	2299.6
32.5°	11366.0	11085.2	9532.0	5307.9	3130.8	2235.5	1907.5	1817.1	1796.3	1771.8	1743.5
35°	12071.0	11639.3	9946.7	5127.0	2929.2	2067.7	1766.2	1696.4	1668.1	1634.2	1604.1
37.5°	12787.2	12334.9	10470.7	4936.6	2795.3	1950.9	1671.9	1639.9	1590.9	1555.1	1511.7
40°	13548.7	13041.7	10947.6	4770.7	2665.3	1875.5	1604.1	1600.3	1536.2	1494.7	1443.8
42.5°	14208.5	13686.3	11373.6	4668.9	2565.4	1796.3	1562.6	1573.9	1507.9	1445.7	1379.8
45°	14732.5	14219.8	11767.5	4668.9	2484.3	1717.2	1555.1	1547.5	1481.5	1404.3	1328.9
47.5°	15192.4	14662.7	12152.0	4787.7	2433.4	1651.2	1513.6	1526.8	1458.9	1360.9	1287.4
50°	15548.6	15081.2	12670.4	4972.4	2382.5	1598.4	1460.8	1532.4	1440.1	1338.3	1253.5
52.5°	16002.9	15584.5	13294.3	5225.0	2339.2	1540.0	1413.7	1532.4	1438.2	1340.2	1247.8
55°	16632.5	16191.4	14046.4	5434.2	2269.4	1485.3	1372.2	1489.1	1432.5	1330.7	1232.7
57.5°	17073.5	16743.7	14577.9	5573.7	2169.5	1415.6	1334.5	1447.6	1408.0	1294.9	1187.5
58°	17094.3	16771.9	14655.2	5605.7	2145.0	1402.4	1325.1	1428.8	1396.7	1279.9	1172.4
60°	16856.8	16579.7	14670.3	5560.5	2005.5	1336.4	1276.1	1351.5	1336.4	1191.3	1091.4
62.5°	15993.5	15697.5	14061.4	5192.9	1820.8	1255.4	1200.7	1247.8	1213.9	1066.9	974.5
65°	14766.4	14221.7	12809.9	4616.1	1688.9	1168.6	1098.9	1102.7	1066.9	961.3	880.3
67.5°	13132.2	12523.4	10845.8	3890.5	1589.0	1072.5	978.3	968.8	925.5	857.6	791.7
70°	11121.0	10704.4	8813.8	3164.8	1477.8	967.0	842.6	836.9	810.5	759.6	701.2
72.5°	9013.6	8484.0	7117.4	2533.3	1342.1	865.2	716.3	727.6	693.6	657.8	605.1
75°	6651.9	6305.0	5502.1	2031.9	1159.2	754.0	597.5	601.3	586.2	548.5	507.0
77.5°	4380.5	4276.9	3935.7	1334.5	891.6	599.4	488.2	492.0	480.7	446.7	403.4
80°	2948.0	2878.3	2667.2	859.5	595.6	433.5	377.0	380.8	378.9	343.1	284.6
82.5°	1817.1	1786.9	1719.0	580.6	412.8	311.0	248.8	260.1	280.9	241.3	194.1
85°	857.6	859.5	1038.6	316.7	243.2	199.8	135.7	145.1	145.1	145.1	109.3
87.5°	111.2	116.9	143.3	133.8	88.6	75.4	49.0	41.5	35.8	47.1	33.9
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: P456005

CATALOG NUMBER: GALN-SA7B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2
2.5°	6220.2	6182.5	6101.5	6082.6	6071.3	6103.3	6018.5	6041.1	6003.4	6109.0	6092.0
5°	5208.0	5211.8	5277.8	5321.1	5336.2	5321.1	5264.6	5166.5	5091.1	5061.0	5068.5
7.5°	4488.0	4553.9	4667.0	4793.3	4908.3	4942.2	4910.2	4723.6	4520.0	4391.8	4350.4
10°	4248.6	4337.2	4467.2	4567.1	4668.9	4750.0	4766.9	4621.8	4380.5	4077.1	3958.3
12.5°	4261.8	4382.4	4506.8	4538.9	4529.4	4561.5	4546.4	4521.9	4363.6	3977.2	3779.2
15°	4137.4	4280.6	4367.3	4350.4	4320.2	4291.9	4252.4	4190.2	4133.6	3862.2	3643.5
17.5°	3850.9	3997.9	4069.5	4075.2	4075.2	4067.6	3971.5	3948.9	3941.4	3809.4	3675.6
20°	3903.7	3984.7	3952.7	3899.9	3915.0	3965.9	3909.3	3898.0	3941.4	3999.8	3975.3
22.5°	3933.8	3905.5	3664.3	3430.5	3377.8	3536.1	3568.1	3694.4	3869.7	4080.8	4218.4
25°	3747.2	3519.1	3087.5	2823.6	2674.7	2821.7	3014.0	3247.7	3509.7	3781.1	3941.4
27.5°	3132.7	2959.3	2650.2	2412.7	2282.6	2305.2	2469.2	2682.2	2925.4	3108.2	3225.1
30°	2359.9	2282.6	2122.4	2041.4	1962.2	1943.3	2013.1	2094.1	2201.6	2224.2	2254.4
32.5°	1737.9	1726.6	1736.0	1709.6	1694.5	1692.7	1671.9	1690.8	1702.1	1715.3	1688.9
35°	1572.0	1556.9	1530.5	1523.0	1513.6	1517.4	1507.9	1498.5	1506.0	1517.4	1524.9
37.5°	1487.2	1464.6	1426.9	1413.7	1413.7	1419.3	1404.3	1400.5	1413.7	1449.5	1468.3
40°	1421.2	1394.8	1351.5	1334.5	1345.8	1360.9	1340.2	1332.6	1364.7	1402.4	1432.5
42.5°	1359.0	1338.3	1296.8	1278.0	1287.4	1315.7	1285.5	1279.9	1321.3	1362.8	1398.6
45°	1306.2	1285.5	1247.8	1238.4	1242.2	1268.5	1247.8	1247.8	1287.4	1332.6	1364.7
47.5°	1264.8	1238.4	1213.9	1206.3	1210.1	1225.2	1221.4	1221.4	1259.1	1306.2	1338.3
50°	1223.3	1200.7	1168.6	1172.4	1181.8	1202.6	1200.7	1206.3	1244.0	1302.5	1336.4
52.5°	1204.5	1170.5	1134.7	1138.5	1166.8	1191.3	1183.7	1189.4	1232.7	1342.1	1391.1
55°	1183.7	1138.5	1097.0	1102.7	1134.7	1170.5	1161.1	1168.6	1219.5	1368.4	1436.3
57.5°	1144.1	1091.4	1046.1	1049.9	1097.0	1134.7	1119.6	1129.1	1189.4	1340.2	1411.8
58°	1127.2	1081.9	1038.6	1040.5	1085.7	1127.2	1110.2	1117.8	1180.0	1332.6	1400.5
60°	1055.6	1029.2	991.5	993.3	1036.7	1072.5	1063.1	1070.6	1130.9	1278.0	1328.9
62.5°	957.5	942.5	933.0	933.0	959.4	993.3	1002.8	1012.2	1066.9	1155.5	1200.7
65°	852.0	852.0	853.9	853.9	870.8	914.2	919.8	944.3	995.2	1038.6	1072.5
67.5°	780.4	776.6	780.4	770.9	778.5	804.9	833.1	855.8	908.5	938.7	950.0
70°	688.0	686.1	688.0	674.8	684.2	706.8	725.7	763.4	818.1	840.7	846.3
72.5°	597.5	597.5	601.3	591.9	591.9	616.4	629.6	671.0	721.9	735.1	737.0
75°	503.3	508.9	508.9	495.7	499.5	514.6	531.5	565.5	612.6	622.0	622.0
77.5°	399.6	420.3	420.3	407.1	412.8	414.7	437.3	454.3	490.1	493.8	478.8
80°	290.3	311.0	328.0	316.7	326.1	314.8	328.0	339.3	375.1	358.1	333.6
82.5°	207.3	222.4	235.6	237.5	228.1	207.3	224.3	226.2	243.2	220.5	207.3
85°	115.0	128.2	145.1	137.6	122.5	109.3	115.0	118.7	116.9	111.2	103.7
87.5°	30.2	32.0	35.8	26.4	24.5	20.7	28.3	28.3	32.0	33.9	32.0
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: P456005
 CATALOG NUMBER: GALN-SA7B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2
2.5°	6105.2	6188.2	6367.2	6502.9	6668.8	6870.5	7108.0	7347.4	7605.6	7686.7	7799.8
5°	5051.6	5258.9	5345.6	5592.5	5837.6	6205.1	6597.2	7051.5	7549.1	7788.5	8018.4
7.5°	4316.4	4427.7	4518.1	4699.1	4993.1	5439.9	5931.8	6499.2	7204.1	7552.8	7890.2
10°	3920.6	3931.9	4043.1	4267.4	4523.8	4917.7	5383.3	6018.5	6804.5	7228.6	7624.5
12.5°	3658.6	3609.6	3730.2	3964.0	4254.2	4618.0	5045.9	5651.0	6516.1	6951.6	7430.3
15°	3428.7	3351.4	3441.8	3681.2	3967.7	4395.6	4855.5	5496.4	6403.0	6910.1	7441.6
17.5°	3434.3	3221.3	3253.4	3455.0	3739.7	4175.1	4733.0	5490.7	6574.6	7158.9	7788.5
20°	3858.4	3517.2	3372.1	3409.8	3685.0	4160.0	4789.6	5754.6	7138.2	7990.1	8663.1
22.5°	4275.0	4069.5	3835.8	3758.5	3909.3	4406.9	5149.6	6378.5	8363.4	9647.0	10862.7
25°	4129.8	4305.1	4246.7	4137.4	4171.3	4584.1	5394.6	6891.2	9315.2	10761.0	11903.2
27.5°	3304.3	3622.8	3686.9	3685.0	3698.2	4037.5	4851.8	6546.3	9434.0	10974.0	12065.3
30°	2322.2	2350.5	2384.4	2450.4	2510.7	2814.2	3796.2	5747.1	9381.2	11070.1	12163.3
32.5°	1675.7	1713.4	1760.5	1851.0	1994.2	2380.6	3321.2	5492.6	9660.2	11467.8	12449.8
35°	1532.4	1575.8	1621.0	1724.7	1860.4	2218.5	3132.7	5387.1	10118.2	12112.4	12964.4
37.5°	1487.2	1536.2	1575.8	1651.2	1760.5	2101.7	2961.2	5315.5	10587.6	12794.8	13654.3
40°	1455.2	1511.7	1543.7	1604.1	1679.5	1994.2	2808.5	5258.9	11041.8	13418.7	14208.5
42.5°	1426.9	1485.3	1526.8	1570.1	1632.3	1898.1	2672.8	5202.4	11435.8	14023.7	14760.7
45°	1392.9	1466.5	1519.2	1553.2	1607.8	1817.1	2569.1	5157.1	11884.4	14560.9	15318.7
47.5°	1364.7	1445.7	1511.7	1551.3	1572.0	1760.5	2486.2	5219.3	12423.5	15122.6	15837.0
50°	1366.6	1443.8	1526.8	1589.0	1534.3	1713.4	2435.3	5466.2	13124.6	15789.9	16246.1
52.5°	1426.9	1521.1	1587.1	1602.2	1481.5	1656.8	2408.9	5897.9	13954.0	16379.9	16658.9
55°	1494.7	1592.8	1664.4	1655.0	1453.3	1585.2	2403.3	6357.8	14862.5	17067.9	17196.1
57.5°	1470.2	1613.5	1722.8	1673.8	1455.2	1515.5	2378.8	6729.1	15622.1	17582.5	17727.6
58°	1462.7	1605.9	1730.3	1670.0	1449.5	1494.7	2373.1	6761.2	15727.7	17618.3	17803.0
60°	1389.2	1540.0	1724.7	1641.8	1417.5	1438.2	2310.9	6864.8	15699.4	17433.6	17848.2
62.5°	1255.4	1379.8	1594.6	1504.2	1319.4	1362.8	2171.4	6736.7	14934.2	16543.9	17186.6
65°	1104.6	1196.9	1340.2	1323.2	1180.0	1285.5	1981.0	6229.6	13401.7	15100.0	15776.7
67.5°	991.5	1066.9	1157.3	1132.8	1061.2	1181.8	1775.6	5372.0	11682.7	13365.9	14217.9
70°	876.5	934.9	980.2	963.2	940.6	1080.1	1592.8	4359.8	10035.3	11718.5	12544.1
72.5°	759.6	814.3	852.0	827.5	814.3	972.6	1443.8	3383.4	7926.1	9667.7	10728.9
75°	635.2	689.9	716.3	688.0	680.5	857.6	1223.3	2527.7	5946.9	7452.9	8369.0
77.5°	492.0	550.4	584.3	574.9	578.7	705.0	987.7	1730.3	4252.4	5079.8	6044.9
80°	344.9	409.0	431.6	422.2	448.6	537.2	697.4	1098.9	2932.9	3296.7	3977.2
82.5°	213.0	273.3	277.1	286.5	305.4	397.7	525.9	669.1	1841.6	1903.8	2397.6
85°	107.4	130.1	139.5	154.6	171.5	243.2	299.7	414.7	1185.6	897.2	1340.2
87.5°	35.8	37.7	45.2	56.5	69.7	99.9	128.2	169.6	294.0	162.1	414.7
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: P456005

CATALOG NUMBER: GALN-SA7B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2	7170.2
2.5°	8027.8	8188.1	8304.9	8412.4	8308.7	8299.3	8197.5	8033.5	7965.6	7965.6
5°	8501.0	8876.1	9179.5	9373.7	9290.7	9090.9	8761.1	8340.7	8114.5	8075.0
7.5°	8631.0	9371.8	9935.4	10135.2	9995.7	9554.6	8923.2	8214.4	7890.2	7818.6
10°	8551.8	9515.0	10342.5	10659.2	10465.0	9797.8	8936.4	8067.4	7667.8	7584.9
12.5°	8468.9	9533.9	10417.9	10875.9	10749.7	9993.8	9032.5	7971.3	7509.5	7390.7
15°	8529.2	9541.4	10325.5	10798.7	10879.7	10229.4	9190.8	8041.0	7477.4	7351.2
17.5°	8910.0	9684.7	10193.6	10576.2	10860.9	10549.9	9641.3	8374.7	7764.0	7607.5
20°	9705.4	10027.7	10269.0	10564.9	11023.0	11203.9	10563.0	9290.7	8568.8	8431.2
22.5°	12008.8	11950.3	11456.5	11450.8	12114.3	12840.0	12796.7	11153.0	10067.3	9954.2
25°	12872.1	12600.6	11886.3	11712.8	12005.0	13124.6	12962.5	11533.8	10531.0	10255.8
27.5°	12534.7	11861.8	11392.4	11352.8	11256.7	12314.1	12704.3	11688.3	10693.1	10425.4
30°	12513.9	11524.4	10853.3	10932.5	11024.8	12035.2	12847.6	12172.8	11107.8	10821.3
32.5°	12564.8	11571.5	10892.9	10908.0	11183.2	12076.6	13005.9	12700.5	11652.5	11366.0
35°	12770.3	11839.1	11145.5	11109.7	11539.4	12348.1	13275.4	13529.9	12397.1	12071.0
37.5°	13102.0	12372.6	11607.3	11597.9	12221.8	12838.1	13610.9	14366.8	13137.8	12787.2
40°	13590.2	12996.5	12429.1	12378.2	13149.1	13635.5	14046.4	15258.4	13999.2	13548.7
42.5°	14180.2	13744.8	13512.9	13714.6	14455.4	14530.8	14724.9	16082.1	14732.5	14208.5
45°	14726.8	14706.1	15028.4	15563.7	15995.4	15543.0	15433.7	16634.3	15301.7	14732.5
47.5°	15377.1	15938.8	16911.4	17695.6	18147.9	16721.1	16038.7	16994.4	15716.4	15192.4
50°	16036.8	17414.7	18967.9	20061.1	20157.2	18000.9	16455.3	17333.7	16093.4	15548.6
52.5°	16730.5	18592.8	20660.5	21931.0	21744.3	19114.9	16858.7	17563.6	16481.7	16002.9
55°	17333.7	19314.7	21606.7	22826.3	22553.0	19793.5	17294.1	17812.4	17035.8	16632.5
57.5°	17671.0	19375.0	21371.1	22436.1	22140.2	19661.5	17493.9	17997.1	17390.2	17073.5
58°	17720.1	19294.0	21161.9	22209.9	21908.3	19550.3	17492.0	17989.6	17412.8	17094.3
60°	17676.7	18768.1	20383.4	21316.5	20999.8	18852.9	17420.4	17848.2	17126.3	16856.8
62.5°	17275.2	17855.8	19039.5	19718.1	19627.6	17763.4	17126.3	17314.8	16253.6	15993.5
65°	16747.4	16611.7	17318.6	17799.2	17867.1	16947.2	16834.1	16161.2	15134.0	14766.4
67.5°	16106.6	15201.8	15199.9	15473.2	15586.3	15691.9	16225.3	14907.8	13520.5	13132.2
70°	15019.0	13028.5	12429.1	12751.4	12657.2	13548.7	15137.7	13147.3	11575.2	11121.0
72.5°	13024.7	10338.7	9379.3	9794.0	9556.5	10625.2	13245.3	10819.4	9571.6	9013.6
75°	10557.4	7733.8	6744.2	7125.0	6977.9	8059.9	11021.1	7858.2	6864.8	6651.9
77.5°	8197.5	5603.8	5028.9	4976.2	5085.5	5997.8	8084.4	5306.0	4525.7	4380.5
80°	5266.4	4011.1	4045.0	3977.2	4033.7	3781.1	4908.3	3385.3	3064.9	2948.0
82.5°	3466.4	2795.3	3332.5	3076.2	2921.6	2542.7	3219.4	2216.7	1881.1	1817.1
85°	2361.8	2058.3	1873.6	1432.5	1687.0	1958.4	2414.6	1193.1	946.2	857.6
87.5°	1066.9	716.3	525.9	324.2	512.7	591.9	1172.4	139.5	107.4	111.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)