

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: P652511

Luminaire Tested: **GALN-SA7B-840-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652511
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-840-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 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: 28731.1 lumens
Efficiency: N/A
Efficacy: 100.5 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

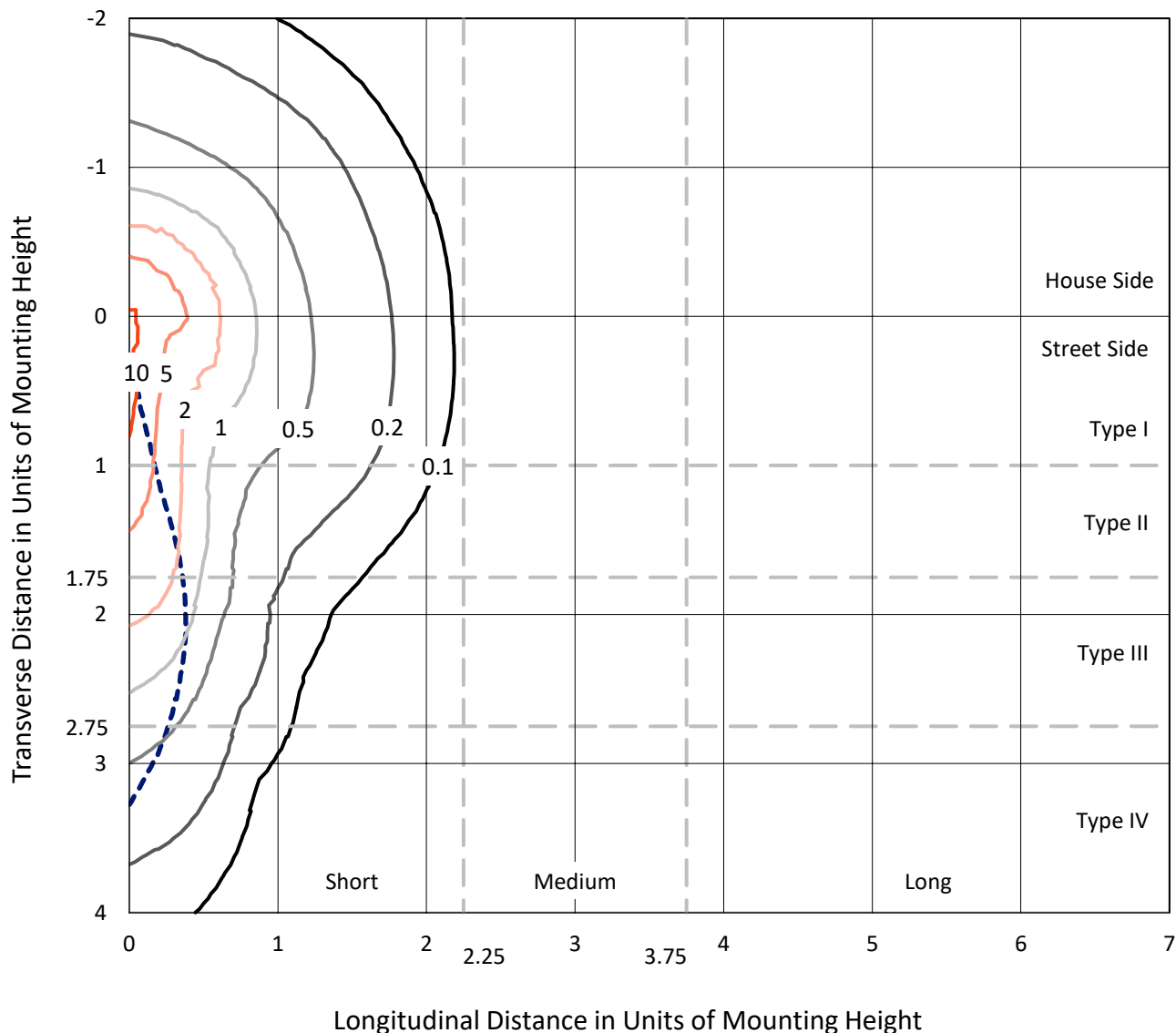
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P652511
 CATALOG NUMBER: GALN-SA7B-840-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

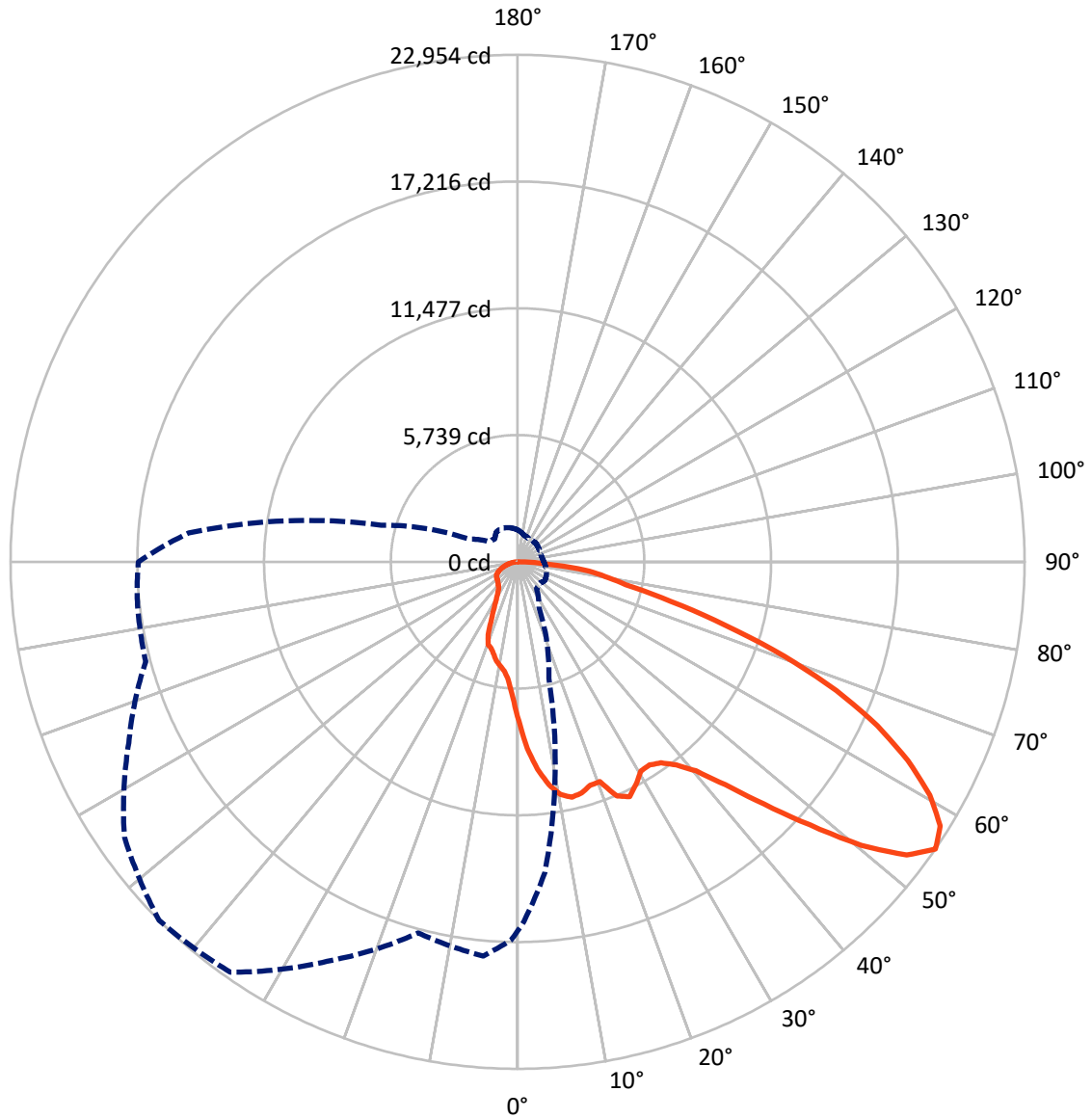
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P652511
CATALOG NUMBER: GALN-SA7B-840-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P652511
 CATALOG NUMBER: GALN-SA7B-840-U-SLR

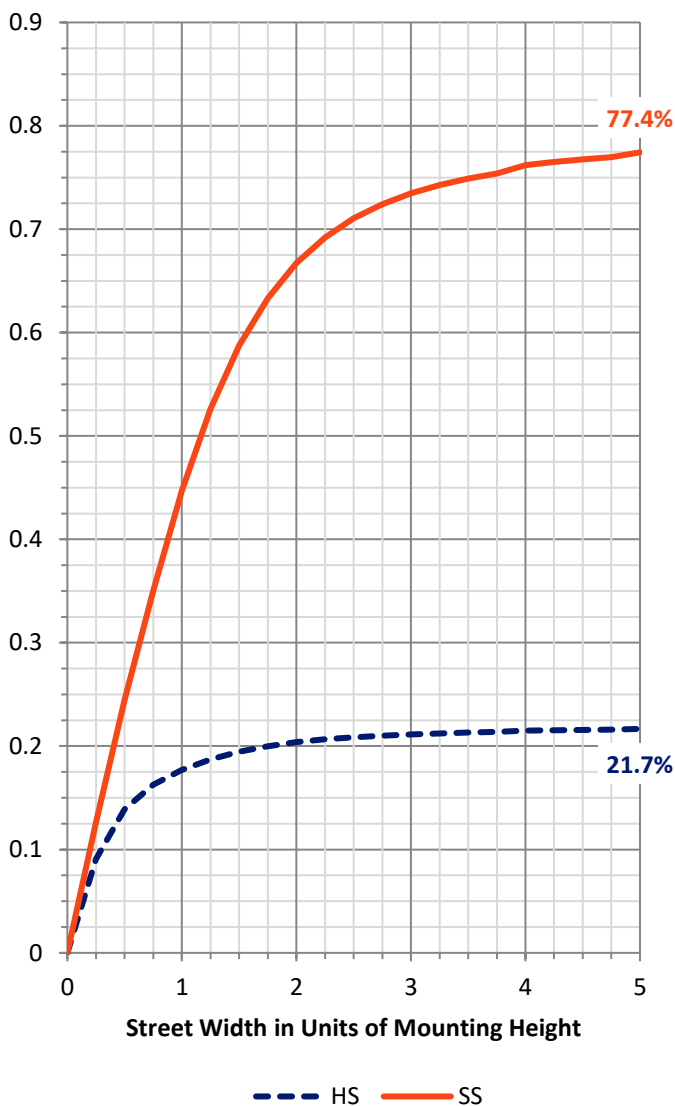
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6284.8	0.0	6284.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	22446.3	0.0	22446.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	28731.1	0.0	28731.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.1	2.1
10°-20°	1621.3	5.6
20°-30°	2800.8	9.7
30°-40°	3255.0	11.3
40°-50°	4541.4	15.8
50°-60°	6162.1	21.4
60°-70°	5862.5	20.4
70°-80°	3167.1	11.0
80°-90°	709.8	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°	28731.1	100.0
0°-180°	28731.1	100.0

Coefficient of Utilization



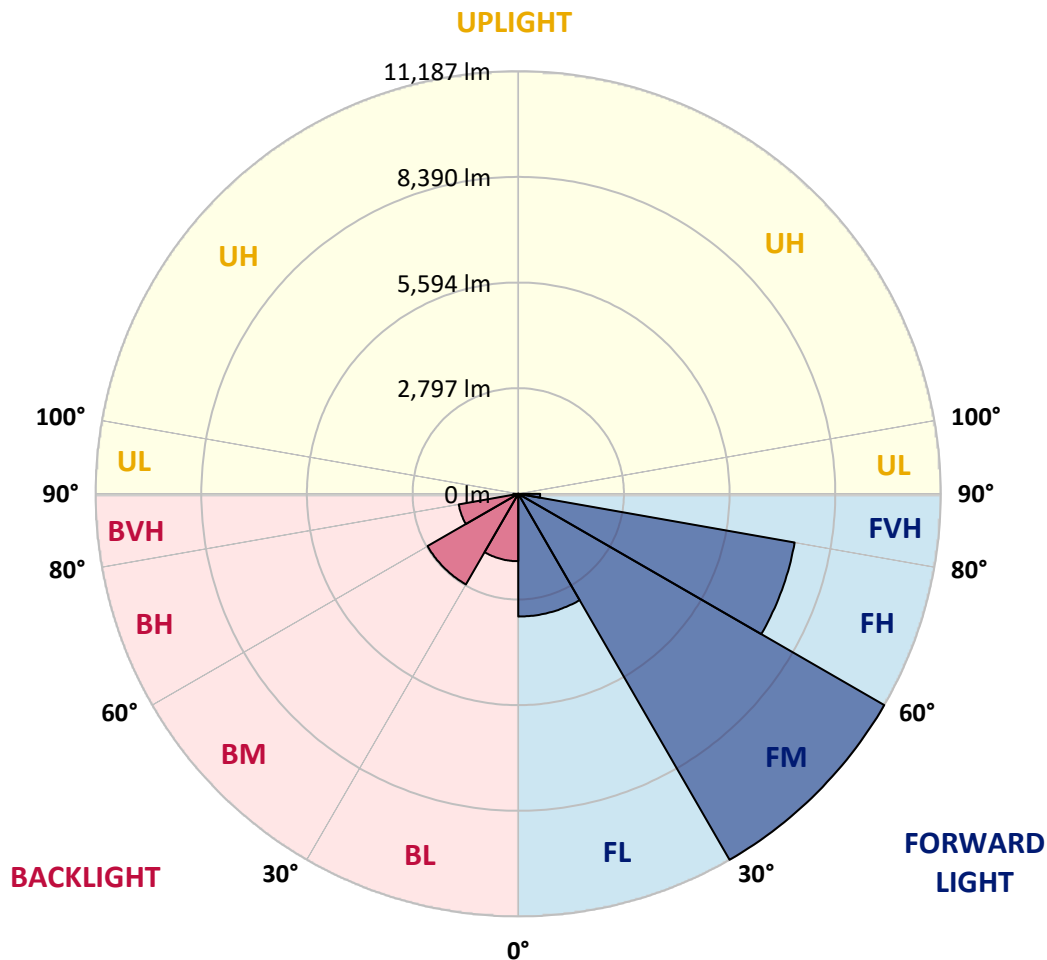
REPORT NUMBER: P652511
 CATALOG NUMBER: GALN-SA7B-840-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3249.5	11.3			
FM (30°-60°)	11187.3	38.9			
FH (60°-80°)	7429.4	25.9			G3/7500
FVH (80°-90°)	580.1	2.0			G4/750
BL (0°-30°)	1783.6	6.2	B3/2500		
BM (30°-60°)	2771.2	9.6	B3/5000		
BH (60°-80°)	1600.3	5.6	B3/2500		G3/2500
BVH (80°-90°)	129.7	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: P652511
 CATALOG NUMBER: GALN-SA7B-840-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4
2.5°	8010.3	7979.9	7894.6	7671.0	7445.5	7216.0	7039.8	6819.9	6590.6	6467.4	6310.0
5°	8120.2	8086.0	7885.1	7381.0	6924.1	6444.6	6061.8	5726.2	5589.8	5388.8	5227.7
7.5°	7862.4	7847.3	7545.9	6821.8	6196.3	5568.9	5134.8	4865.7	4621.1	4530.2	4549.1
10°	7627.4	7566.7	7189.5	6243.7	5513.9	5004.0	4693.2	4429.7	4257.2	4211.7	4221.2
12.5°	7432.2	7350.7	6905.2	5855.1	5216.3	4808.8	4412.6	4137.8	3980.5	4024.1	4171.9
15°	7392.3	7282.4	6785.8	5722.4	5053.3	4528.3	4094.2	3777.7	3660.2	3754.9	3991.9
17.5°	7650.2	7511.7	6990.5	5766.1	4897.9	4242.1	3709.5	3347.4	3248.9	3400.5	3709.5
20°	8478.5	8273.8	7629.3	6018.1	4882.8	4099.9	3485.8	3121.9	3163.5	3451.6	3773.9
22.5°	10010.0	9703.0	8747.6	6385.9	4962.3	4063.9	3440.3	3250.7	3480.1	3724.6	3936.9
25°	10313.3	10072.6	8948.5	6469.2	4945.2	4039.2	3569.2	3664.0	3919.8	4041.2	3967.2
27.5°	10483.8	10209.0	8935.3	6056.0	4422.1	3664.0	3411.9	3569.2	3633.6	3516.1	3315.2
30°	10882.0	10595.7	9160.8	5622.0	3641.2	2718.1	2382.6	2318.1	2361.8	2384.5	2312.5
32.5°	11429.7	11147.3	9585.4	5337.7	3148.4	2248.0	1918.2	1827.2	1806.4	1781.7	1753.3
35°	12138.6	11704.5	10002.4	5155.7	2945.6	2079.4	1776.0	1705.9	1677.5	1643.4	1613.0
37.5°	12858.9	12404.0	10529.3	4964.3	2811.0	1961.8	1681.2	1649.0	1599.8	1563.8	1520.2
40°	13624.6	13114.8	11008.9	4797.4	2680.2	1886.0	1613.0	1609.3	1544.8	1503.1	1451.9
42.5°	14288.1	13763.0	11437.3	4695.1	2579.8	1806.4	1571.3	1582.8	1516.4	1453.8	1387.5
45°	14815.1	14299.4	11833.5	4695.1	2498.3	1726.7	1563.8	1556.2	1489.8	1412.1	1336.3
47.5°	15277.5	14744.9	12220.2	4814.5	2447.1	1660.5	1522.0	1535.3	1467.1	1368.6	1294.6
50°	15635.8	15165.7	12741.4	5000.2	2395.8	1607.3	1469.0	1541.0	1448.1	1345.8	1260.5
52.5°	16092.5	15671.8	13368.8	5254.2	2352.3	1548.6	1421.6	1541.0	1446.3	1347.7	1254.8
55°	16725.6	16282.1	14125.1	5464.6	2282.1	1493.6	1379.9	1497.4	1440.5	1338.2	1239.6
57.5°	17169.2	16837.5	14659.6	5604.9	2181.7	1423.5	1342.0	1455.7	1415.9	1302.2	1194.1
58°	17190.0	16865.9	14737.3	5637.1	2157.1	1410.3	1332.5	1436.8	1404.6	1287.1	1179.0
60°	16951.2	16672.6	14752.5	5591.6	2016.8	1343.9	1283.2	1359.1	1343.9	1197.9	1097.5
62.5°	16083.1	15785.5	14140.2	5222.0	1831.0	1262.4	1207.4	1254.8	1220.7	1072.9	979.9
65°	14849.1	14301.4	12881.6	4642.0	1698.3	1175.2	1105.1	1108.9	1072.9	966.7	885.2
67.5°	13205.8	12593.6	10906.6	3912.2	1597.9	1078.5	983.7	974.3	930.7	862.4	796.1
70°	11183.3	10764.4	8863.2	3182.5	1486.0	972.4	847.3	841.6	815.0	763.9	705.1
72.5°	9064.1	8531.5	7157.3	2547.6	1349.6	870.0	720.3	731.7	697.5	661.5	608.5
75°	6689.1	6340.4	5532.9	2043.3	1165.7	758.2	600.9	604.7	589.5	551.6	509.9
77.5°	4405.1	4300.8	3957.7	1342.0	896.6	602.7	490.9	494.8	483.3	449.3	405.6
80°	2964.5	2894.4	2682.1	864.3	599.0	436.0	379.1	382.9	381.0	345.0	286.2
82.5°	1827.2	1796.9	1728.7	583.8	415.1	312.8	250.2	261.6	282.4	242.6	195.2
85°	862.4	864.3	1044.4	318.4	244.5	200.9	136.5	145.9	145.9	145.9	109.9
87.5°	111.9	117.5	144.1	134.6	89.1	75.9	49.3	41.7	36.0	47.3	34.1
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: P652511
 CATALOG NUMBER: GALN-SA7B-840-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4
2.5°	6255.0	6217.2	6135.7	6116.7	6105.3	6137.5	6052.3	6075.0	6037.1	6143.3	6126.2
5°	5237.2	5240.9	5307.3	5350.9	5366.1	5350.9	5294.1	5195.5	5119.7	5089.3	5097.0
7.5°	4513.1	4579.5	4693.2	4820.2	4935.8	4969.9	4937.7	4750.1	4545.4	4416.4	4374.7
10°	4272.4	4361.5	4492.3	4592.7	4695.1	4776.6	4793.6	4647.7	4405.1	4099.9	3980.5
12.5°	4285.7	4407.0	4532.1	4564.3	4554.9	4587.1	4571.8	4547.2	4388.0	3999.5	3800.4
15°	4160.6	4304.7	4391.8	4374.7	4344.4	4316.0	4276.1	4213.7	4156.8	3883.8	3664.0
17.5°	3872.5	4020.3	4092.3	4098.0	4098.0	4090.5	3993.7	3971.0	3963.5	3830.8	3696.2
20°	3925.5	4007.0	3974.8	3921.8	3936.9	3988.1	3931.2	3919.8	3963.5	4022.2	3997.5
22.5°	3955.8	3927.4	3684.8	3449.8	3396.7	3555.9	3588.1	3715.1	3891.4	4103.7	4242.1
25°	3768.2	3538.8	3104.8	2839.4	2689.7	2837.5	3030.9	3265.9	3529.3	3802.3	3963.5
27.5°	3150.3	2975.9	2665.0	2426.2	2295.4	2318.1	2483.1	2697.3	2941.7	3125.7	3243.1
30°	2373.1	2295.4	2134.3	2052.8	1973.2	1954.2	2024.4	2105.9	2213.9	2236.6	2267.0
32.5°	1747.6	1736.2	1745.7	1719.2	1704.0	1702.1	1681.2	1700.2	1711.6	1724.9	1698.3
35°	1580.8	1565.7	1539.1	1531.5	1522.0	1525.8	1516.4	1506.9	1514.5	1525.8	1533.5
37.5°	1495.6	1472.8	1434.9	1421.6	1421.6	1427.3	1412.1	1408.3	1421.6	1457.6	1476.5
40°	1429.2	1402.6	1359.1	1342.0	1353.3	1368.6	1347.7	1340.1	1372.3	1410.3	1440.5
42.5°	1366.6	1345.8	1304.1	1285.1	1294.6	1323.1	1292.7	1287.1	1328.7	1370.4	1406.4
45°	1313.6	1292.7	1254.8	1245.4	1249.1	1275.6	1254.8	1254.8	1294.6	1340.1	1372.3
47.5°	1271.8	1245.4	1220.7	1213.1	1216.9	1232.1	1228.3	1228.3	1266.2	1313.6	1345.8
50°	1230.1	1207.4	1175.2	1179.0	1188.5	1209.3	1207.4	1213.1	1251.0	1309.8	1343.9
52.5°	1211.2	1177.1	1141.1	1144.9	1173.3	1197.9	1190.4	1196.1	1239.6	1349.6	1398.8
55°	1190.4	1144.9	1103.1	1108.9	1141.1	1177.1	1167.6	1175.2	1226.3	1376.1	1444.3
57.5°	1150.6	1097.5	1052.0	1055.8	1103.1	1141.1	1125.9	1135.4	1196.1	1347.7	1419.7
58°	1133.5	1088.0	1044.4	1046.3	1091.8	1133.5	1116.4	1124.0	1186.6	1340.1	1408.3
60°	1061.4	1034.9	997.0	998.9	1042.5	1078.5	1069.1	1076.6	1137.3	1285.1	1336.3
62.5°	962.9	947.7	938.2	938.2	964.8	998.9	1008.4	1017.9	1072.9	1161.9	1207.4
65°	856.7	856.7	858.7	858.7	875.7	919.3	925.0	949.7	1000.8	1044.4	1078.5
67.5°	784.7	781.0	784.7	775.2	782.8	809.4	837.8	860.5	913.6	943.9	955.3
70°	691.8	690.0	691.8	678.6	688.0	710.8	729.7	767.7	822.7	845.4	851.1
72.5°	600.9	600.9	604.7	595.2	595.2	619.8	633.1	674.8	726.0	739.2	741.1
75°	506.1	511.7	511.7	498.5	502.3	517.5	534.5	568.6	616.0	625.5	625.5
77.5°	401.8	422.7	422.7	409.4	415.1	417.0	439.8	456.8	492.8	496.6	481.5
80°	291.9	312.8	329.8	318.4	327.9	316.6	329.8	341.2	377.2	360.1	335.5
82.5°	208.5	223.7	236.9	238.8	229.3	208.5	225.6	227.5	244.5	221.8	208.5
85°	115.6	128.9	145.9	138.3	123.2	109.9	115.6	119.4	117.5	111.9	104.3
87.5°	30.4	32.2	36.0	26.6	24.6	20.9	28.4	28.4	32.2	34.1	32.2
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: P652511
 CATALOG NUMBER: GALN-SA7B-840-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4
2.5°	6139.5	6222.8	6402.9	6539.4	6706.2	6909.0	7147.8	7388.5	7648.2	7729.7	7843.5
5°	5079.9	5288.4	5375.6	5623.9	5870.3	6239.9	6634.1	7091.0	7591.4	7832.1	8063.3
7.5°	4340.7	4452.5	4543.4	4725.4	5021.1	5470.4	5965.0	6535.6	7244.5	7595.2	7934.4
10°	3942.6	3954.0	4065.8	4291.4	4549.1	4945.2	5413.4	6052.3	6842.6	7269.1	7667.2
12.5°	3679.1	3629.8	3751.1	3986.2	4278.1	4643.9	5074.2	5682.6	6552.7	6990.5	7471.9
15°	3447.8	3370.1	3461.1	3701.8	3990.0	4420.2	4882.8	5527.2	6438.9	6948.8	7483.3
17.5°	3453.6	3239.4	3271.6	3474.4	3760.6	4198.4	4759.6	5521.5	6611.4	7199.0	7832.1
20°	3880.0	3537.0	3391.0	3428.9	3705.6	4183.3	4816.4	5786.9	7178.2	8034.9	8711.6
22.5°	4298.9	4092.3	3857.2	3779.5	3931.2	4431.6	5178.5	6414.3	8410.3	9701.0	10923.6
25°	4152.9	4329.3	4270.5	4160.6	4194.7	4609.8	5424.9	6929.8	9367.4	10821.2	11970.0
27.5°	3322.8	3643.1	3707.5	3705.6	3718.9	4060.1	4879.0	6583.0	9486.8	11035.4	12132.9
30°	2335.2	2363.6	2397.8	2464.1	2524.8	2830.0	3817.5	5779.3	9433.7	11132.1	12231.5
32.5°	1685.1	1723.0	1770.4	1861.4	2005.4	2394.0	3339.9	5523.4	9714.3	11532.0	12519.6
35°	1541.0	1584.6	1630.1	1734.4	1870.8	2231.0	3150.3	5417.3	10174.9	12180.3	13037.1
37.5°	1495.6	1544.8	1584.6	1660.5	1770.4	2113.4	2977.8	5345.2	10646.9	12866.5	13730.8
40°	1463.3	1520.2	1552.4	1613.0	1688.9	2005.4	2824.2	5288.4	11103.7	13493.8	14288.1
42.5°	1434.9	1493.6	1535.3	1578.9	1641.5	1908.7	2687.8	5231.5	11499.8	14102.3	14843.5
45°	1400.8	1474.7	1527.8	1561.9	1616.8	1827.2	2583.6	5186.0	11950.9	14642.6	15404.5
47.5°	1372.3	1453.8	1520.2	1560.0	1580.8	1770.4	2500.1	5248.6	12493.1	15207.4	15925.8
50°	1374.2	1451.9	1535.3	1597.9	1542.9	1723.0	2449.0	5496.9	13198.1	15878.4	16337.1
52.5°	1434.9	1529.6	1596.0	1611.2	1489.8	1666.1	2422.4	5930.9	14032.2	16471.7	16752.2
55°	1503.1	1601.7	1673.7	1664.3	1461.4	1594.1	2416.7	6393.5	14945.8	17163.5	17292.4
57.5°	1478.5	1622.5	1732.5	1683.2	1463.3	1524.0	2392.1	6766.9	15709.7	17680.9	17826.9
58°	1470.9	1615.0	1740.0	1679.4	1457.6	1503.1	2386.4	6799.1	15815.8	17717.0	17902.7
60°	1397.0	1548.6	1734.4	1651.0	1425.4	1446.3	2323.9	6903.3	15787.4	17531.2	17948.2
62.5°	1262.4	1387.5	1603.5	1512.6	1326.8	1370.4	2183.6	6774.4	15017.8	16636.6	17282.9
65°	1110.7	1203.6	1347.7	1330.6	1186.6	1292.7	1992.2	6264.5	13476.8	15184.7	15865.1
67.5°	997.0	1072.9	1163.9	1139.2	1067.1	1188.5	1785.5	5402.1	11748.2	13440.8	14297.6
70°	881.4	940.2	985.7	968.6	945.9	1086.1	1601.7	4384.2	10091.5	11784.2	12614.4
72.5°	763.9	818.9	856.7	832.1	818.9	978.1	1451.9	3402.3	7970.5	9721.9	10789.0
75°	638.7	693.7	720.3	691.8	684.2	862.4	1230.1	2541.8	5980.2	7494.7	8415.9
77.5°	494.8	553.5	587.6	578.1	581.9	708.9	993.2	1740.0	4276.1	5108.3	6078.7
80°	346.9	411.3	434.0	424.6	451.1	540.2	701.3	1105.1	2949.4	3315.2	3999.5
82.5°	214.2	274.8	278.6	288.1	307.0	400.0	528.8	672.9	1851.9	1914.5	2411.1
85°	108.1	130.8	140.3	155.4	172.5	244.5	301.4	417.0	1192.3	902.2	1347.7
87.5°	36.0	37.9	45.5	56.9	70.1	100.5	128.9	170.6	295.7	163.0	417.0
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: P652511
 CATALOG NUMBER: GALN-SA7B-840-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4	7210.4
2.5°	8072.8	8233.9	8351.5	8459.5	8355.3	8345.7	8243.4	8078.5	8010.3	8010.3
5°	8548.6	8925.8	9231.0	9426.2	9342.8	9141.8	8810.1	8387.5	8160.0	8120.2
7.5°	8679.4	9424.3	9991.1	10192.0	10051.7	9608.2	8973.1	8260.5	7934.4	7862.4
10°	8599.7	9568.3	10400.5	10718.9	10523.7	9852.7	8986.4	8112.6	7710.8	7627.4
12.5°	8516.4	9587.3	10476.3	10936.9	10809.9	10049.8	9083.1	8016.0	7551.6	7432.2
15°	8577.0	9594.9	10383.4	10859.2	10940.7	10286.7	9242.3	8086.0	7519.4	7392.3
17.5°	8959.9	9738.9	10250.7	10635.5	10921.7	10609.0	9695.4	8421.6	7807.4	7650.2
20°	9759.8	10083.9	10326.6	10624.1	11084.7	11266.7	10622.3	9342.8	8616.8	8478.5
22.5°	12076.1	12017.3	11520.7	11515.0	12182.2	12912.0	12868.4	11215.5	10123.7	10010.0
25°	12944.2	12671.3	11952.9	11778.5	12072.3	13198.1	13035.2	11598.4	10590.0	10313.3
27.5°	12604.9	11928.2	11456.3	11416.4	11319.8	12383.1	12775.5	11753.8	10753.0	10483.8
30°	12584.1	11588.9	10914.2	10993.7	11086.7	12102.6	12919.5	12240.9	11170.0	10882.0
32.5°	12635.2	11636.3	10953.9	10969.1	11245.9	12144.3	13078.7	12771.7	11717.8	11429.7
35°	12841.8	11905.4	11207.9	11171.9	11604.1	12417.3	13349.8	13605.7	12466.6	12138.6
37.5°	13175.4	12441.9	11672.3	11662.8	12290.2	12910.1	13687.2	14447.3	13211.4	12858.9
40°	13666.3	13069.3	12498.8	12447.6	13222.8	13711.8	14125.1	15343.9	14077.7	13624.6
42.5°	14259.7	13821.8	13588.6	13791.5	14536.3	14612.2	14807.4	16172.2	14815.1	14288.1
45°	14809.3	14788.5	15112.6	15650.9	16085.0	15630.1	15520.2	16727.6	15387.4	14815.1
47.5°	15463.3	16028.1	17006.2	17794.7	18249.6	16814.7	16128.6	17089.6	15804.5	15277.5
50°	16126.7	17512.3	19074.1	20173.5	20270.2	18101.8	16547.5	17430.7	16183.5	15635.8
52.5°	16824.2	18696.9	20776.3	22053.8	21866.2	19222.0	16953.1	17662.0	16574.0	16092.5
55°	17430.7	19422.9	21727.8	22954.2	22679.3	19904.4	17391.0	17912.2	17131.3	16725.6
57.5°	17770.1	19483.5	21490.9	22561.8	22264.2	19771.7	17591.9	18098.0	17487.7	17169.2
58°	17819.4	19402.0	21280.5	22334.4	22031.1	19659.8	17590.0	18090.4	17510.4	17190.0
60°	17775.7	18873.2	20497.6	21435.9	21117.4	18958.5	17517.9	17948.2	17222.3	16951.2
62.5°	17372.0	17955.9	19146.2	19828.5	19737.6	17862.9	17222.3	17411.8	16344.7	16083.1
65°	16841.3	16704.8	17415.6	17898.9	17967.2	17042.2	16928.5	16251.8	15218.7	14849.1
67.5°	16196.8	15287.0	15285.1	15559.9	15673.6	15779.9	16316.2	14991.3	13596.2	13205.8
70°	15103.1	13101.5	12498.8	12822.9	12728.1	13624.6	15222.5	13220.9	11640.1	11183.3
72.5°	13097.7	10396.7	9431.9	9848.9	9610.0	10684.8	13319.5	10880.0	9625.2	9064.1
75°	10616.5	7777.1	6782.0	7164.9	7017.1	8105.1	11082.9	7902.2	6903.3	6689.1
77.5°	8243.4	5635.2	5057.1	5004.0	5114.0	6031.4	8129.7	5335.7	4551.1	4405.1
80°	5295.9	4033.6	4067.7	3999.5	4056.3	3802.3	4935.8	3404.3	3082.0	2964.5
82.5°	3485.8	2811.0	3351.2	3093.5	2937.9	2557.0	3237.4	2229.1	1891.7	1827.2
85°	2375.1	2069.9	1884.1	1440.5	1696.5	1969.4	2428.1	1199.9	951.5	862.4
87.5°	1072.9	720.3	528.8	326.1	515.5	595.2	1179.0	140.3	108.1	111.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)