

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: P652010

Luminaire Tested: **GALN-SA7A-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7A-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19950.2 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

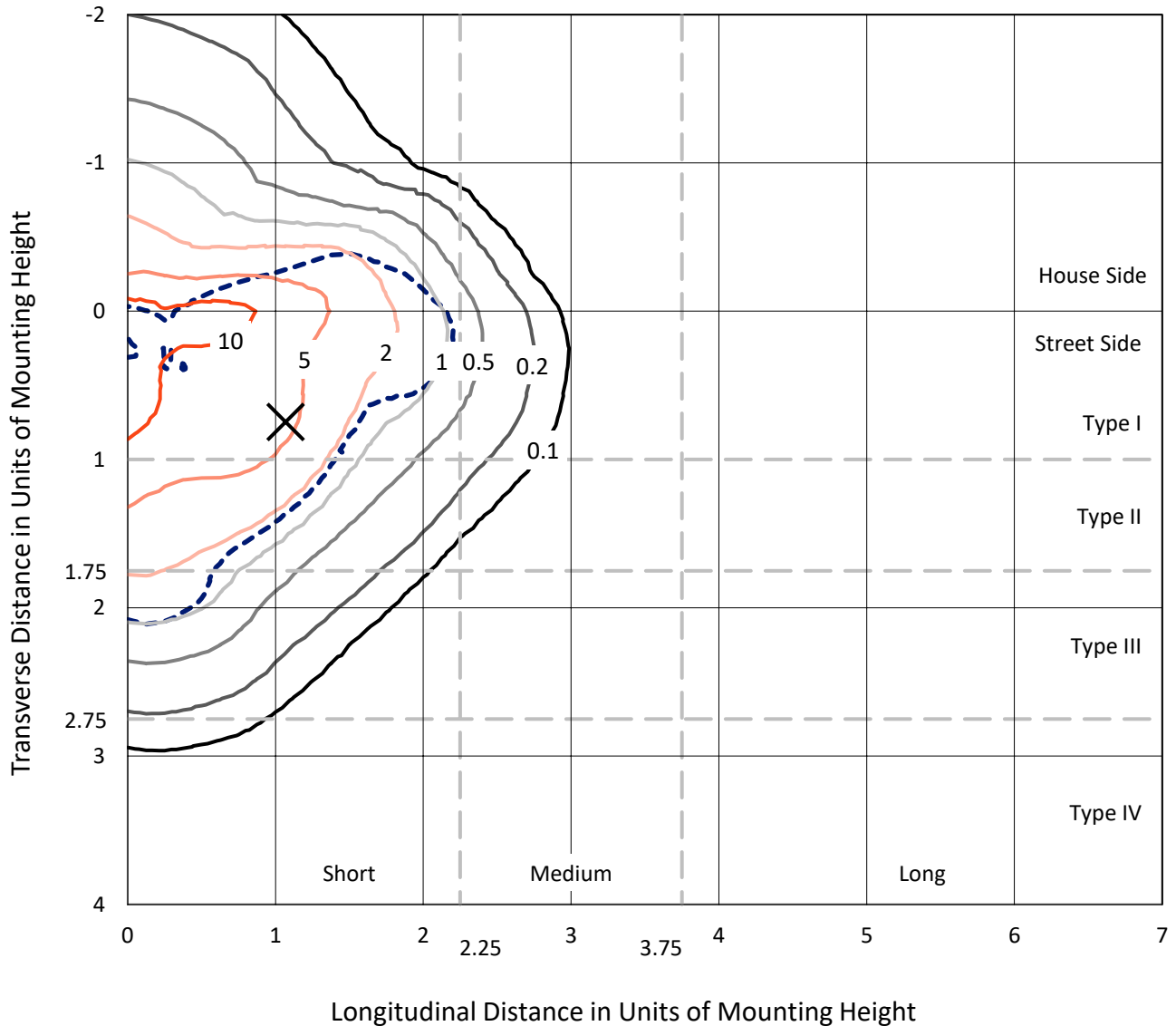
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P652010
 CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

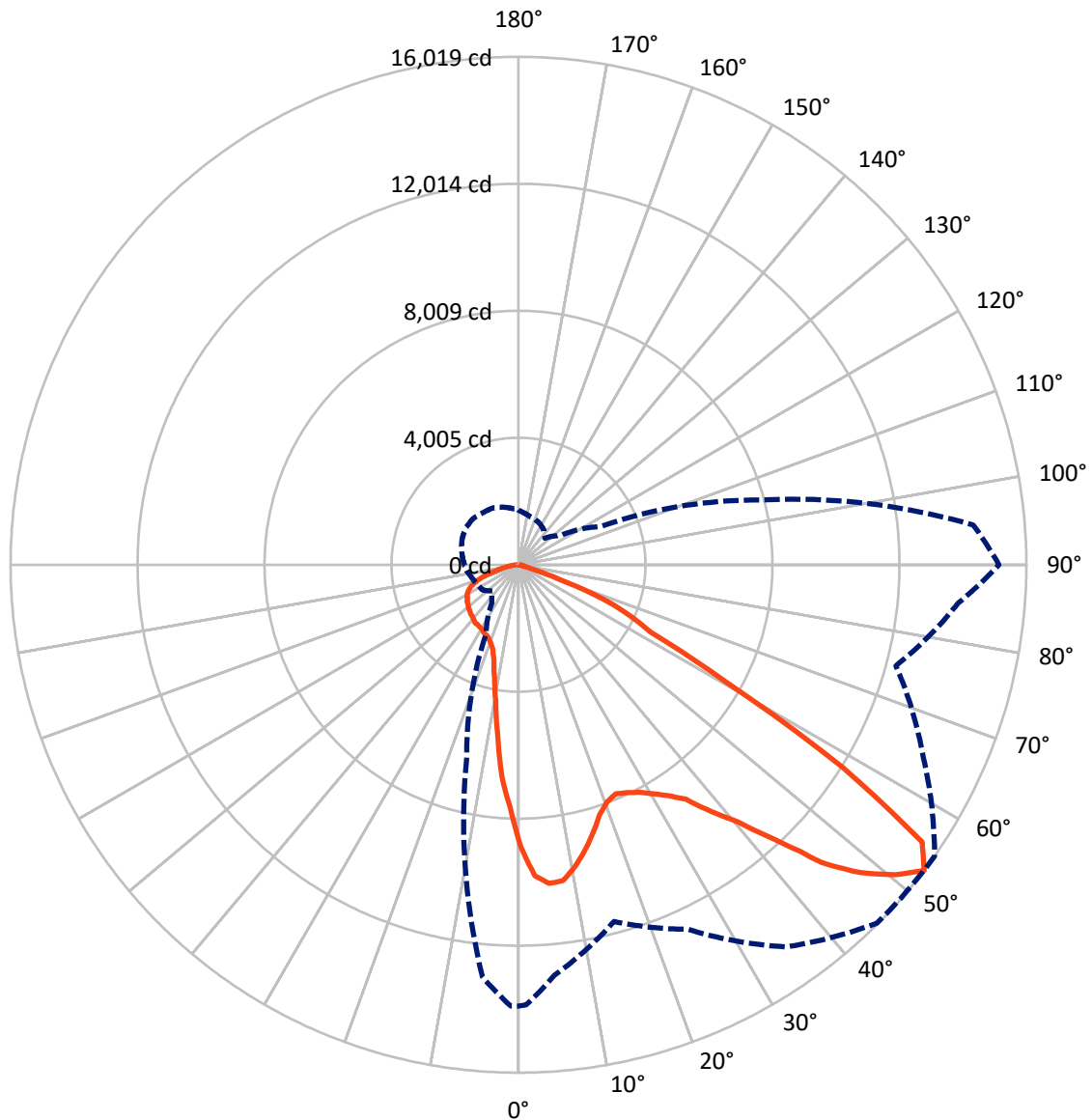
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type II - Short - N/A

REPORT NUMBER: P652010
CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P652010
 CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

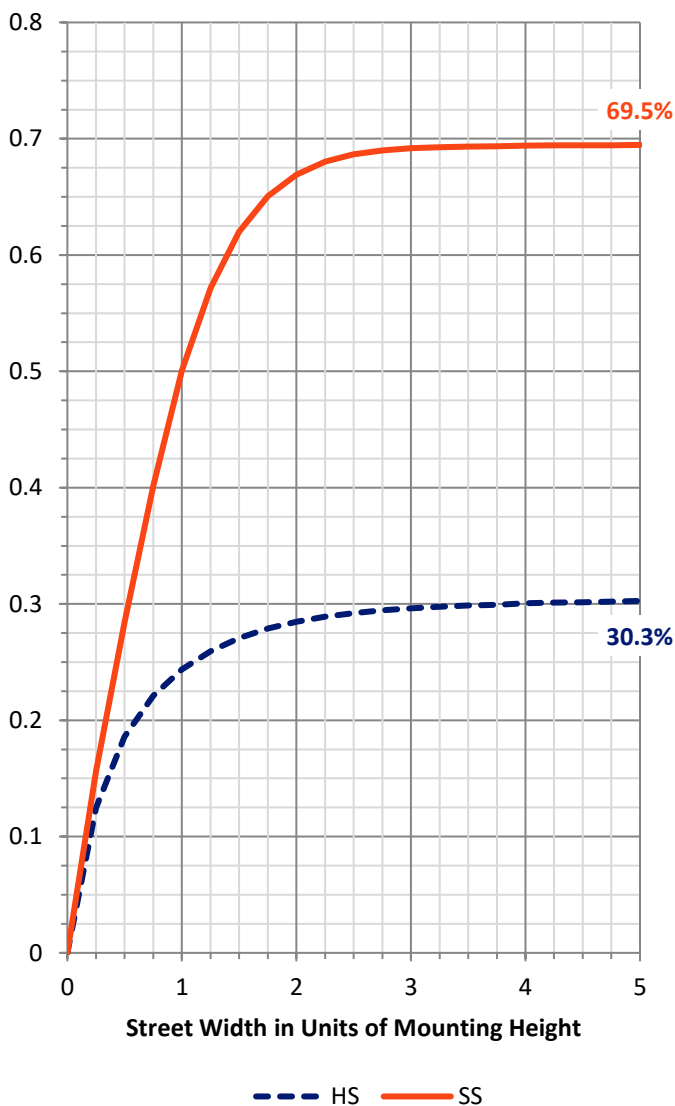
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6085.9	0.0	6085.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	13864.3	0.0	13864.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	19950.2	0.0	19950.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.9	3.4
10°-20°	1465.9	7.3
20°-30°	2222.8	11.1
30°-40°	3211.7	16.1
40°-50°	4291.6	21.5
50°-60°	4790.4	24.0
60°-70°	2627.8	13.2
70°-80°	568.1	2.8
80°-90°	91.9	0.5
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°	19950.2	100.0
0°-180°	19950.2	100.0

Coefficient of Utilization

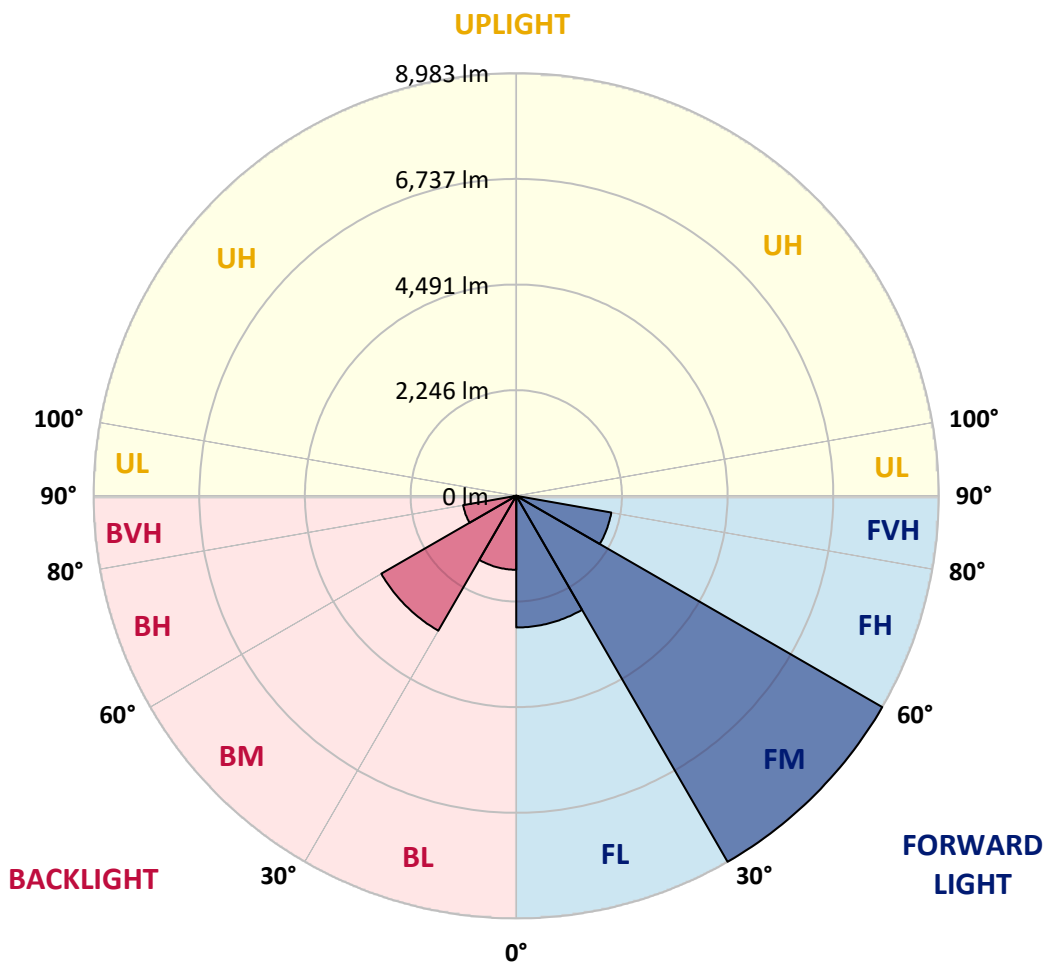


REPORT NUMBER: P652010
 CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2797.4	14.0			
FM (30°-60°)	8982.5	45.0			
FH (60°-80°)	2050.4	10.3			G2/5000
FVH (80°-90°)	34.0	0.2			G1/100
BL (0°-30°)	1571.3	7.9	B3/2500		
BM (30°-60°)	3311.2	16.6	B3/5000		
BH (60°-80°)	1145.5	5.7	B3/2500		G3/2500
BVH (80°-90°)	57.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





REPORT NUMBER: P652010

CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3
2.5°	9339.2	9286.7	9333.4	9554.8	9682.9	9770.3	9825.7	9816.9	9607.2	9403.3	9403.3
5°	9065.4	8998.4	9094.5	9595.6	10099.5	10143.2	10216.0	10096.6	9787.8	9414.9	8948.8
7.5°	8273.0	8322.5	8482.7	9141.1	9796.6	10125.7	10213.1	10061.6	9560.6	8864.4	8179.8
10°	7588.4	7705.0	8074.9	8785.8	9388.8	9816.9	9913.0	9700.4	9304.2	8450.7	7839.0
12.5°	7352.5	7279.7	7690.4	8401.2	8978.0	9208.1	9251.8	9266.4	8998.4	8241.0	7495.2
15°	7323.3	7370.0	7690.4	8229.4	8584.8	8596.4	8669.2	8782.8	8817.8	8383.8	7655.5
17.5°	7742.8	7687.5	8016.7	8444.9	8275.9	8107.0	8124.5	8287.6	8576.0	8506.0	8159.4
20°	8363.3	8488.6	8747.8	8704.2	8249.7	7821.5	7824.4	7978.8	8546.8	9012.9	8861.4
22.5°	9394.6	9516.9	9709.2	9181.9	8249.7	7737.0	7638.0	7847.7	8733.3	9615.9	9653.8
25°	10335.5	10559.8	10612.2	9991.8	8663.4	7815.7	7751.6	7958.4	8919.7	10204.4	10562.7
27.5°	11191.9	11273.4	11503.6	10513.2	8893.5	7868.1	7862.3	8127.3	9155.7	10498.6	11375.5
30°	11867.7	11858.9	11990.1	10842.3	9260.6	8162.3	7879.7	8380.8	9464.4	10985.1	12127.0
32.5°	12328.0	12427.0	12703.7	11299.7	9414.9	8442.0	8220.6	8677.9	9840.2	11215.2	12657.1
35°	13137.8	13309.7	12960.1	11553.2	9904.4	8718.7	8459.5	9082.9	10026.7	11465.7	13306.7
37.5°	13901.1	13769.9	13414.5	11690.0	10221.9	9231.4	8989.6	9866.4	10606.4	12010.5	13737.9
40°	14390.4	14387.5	13755.4	11800.7	10446.1	10015.0	10000.5	10661.7	11317.2	12354.2	14221.5
42.5°	14603.0	14807.0	13895.2	11789.1	10918.0	10964.7	11258.9	11850.3	11821.1	12424.1	14209.8
44°	14894.4	15016.7	14137.0	11815.3	11232.6	11605.5	12298.9	12674.6	12260.9	12386.2	14195.2
45°	14882.8	14891.4	13793.2	11850.3	11500.7	12141.5	12762.0	13397.0	12648.4	12304.7	14387.5
47.5°	14541.9	14442.8	13501.9	11591.0	12336.7	13557.3	14131.2	14515.7	13126.2	12129.9	14148.6
50°	13869.0	13755.4	12794.0	11480.3	12511.5	14437.0	15229.3	15369.2	13560.2	11958.0	13912.7
52.5°	13915.6	13883.6	12995.0	11646.3	12686.3	14713.8	15983.9	16018.8	14052.5	12319.2	13915.6
55°	14748.7	14638.0	13571.8	11853.1	12558.1	14390.4	15503.2	15442.0	13886.4	12100.7	14171.9
57.5°	13496.1	13568.9	12773.7	11034.6	10990.9	11698.7	12188.2	12036.6	11588.1	10921.0	13184.4
60°	10888.9	11095.7	11171.5	9228.5	8293.4	7929.3	7783.6	7515.7	7591.4	8972.1	11582.3
62.5°	9339.2	9327.5	9802.4	8366.3	5432.8	4672.5	4602.6	4663.8	5537.6	8832.4	11343.4
65°	7404.9	7603.1	7748.7	7090.3	4299.6	3469.5	3466.5	3854.0	4791.9	7381.6	9158.6
67.5°	4701.6	4960.9	5141.5	4535.6	2875.2	2470.3	2403.2	2869.3	3320.9	4841.5	5514.4
70°	2650.8	2773.2	2854.8	2615.9	1829.4	1281.8	1206.0	1316.7	2007.0	3134.4	3268.5
72.5°	1022.5	1077.8	1188.5	1197.2	690.4	413.7	335.0	402.0	844.8	1241.0	1182.7
75°	157.3	169.0	238.8	285.5	198.1	151.5	160.2	166.0	236.0	320.4	268.0
77.5°	75.8	75.8	72.8	84.4	99.1	107.8	116.6	128.2	139.9	154.4	148.6
80°	49.5	49.5	49.5	58.3	72.8	87.4	99.1	104.9	110.7	122.4	116.6
82.5°	32.0	32.0	32.0	43.7	58.3	72.8	78.6	93.2	104.9	122.4	113.6
85°	17.5	17.5	17.5	29.1	43.7	61.1	58.3	46.6	26.2	2.9	5.8
87.5°	5.8	5.8	5.8	5.8	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: P652010

CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3
2.5°	9158.6	9024.6	9012.9	8739.1	8494.4	8375.0	8278.9	8010.9	8069.1	7914.7	7911.8
5°	8715.8	8442.0	7999.2	7635.1	7270.9	7198.1	6880.6	6603.9	6612.6	6414.5	6449.5
7.5°	7920.5	7731.2	7192.3	6621.4	6137.8	5794.1	5494.0	5313.4	5083.3	5004.6	4963.8
10°	7416.6	7183.6	6577.6	5861.0	5319.2	5135.7	4847.3	4687.1	4451.2	4334.6	4253.0
12.5°	7195.2	6854.4	6097.0	5368.7	5007.5	4818.2	4573.4	4282.2	4002.5	3894.8	3746.2
15°	7218.5	6810.7	5957.1	5170.6	4736.6	4369.6	4151.1	3827.7	3542.3	3352.9	3245.2
17.5°	7571.0	7075.8	6021.2	5019.2	4395.7	3935.5	3507.3	3157.7	2930.5	2787.7	2752.8
20°	8404.1	7731.2	6129.0	4774.4	4055.0	3481.1	2953.8	2589.7	2414.9	2412.0	2414.9
22.5°	9097.4	8430.4	6347.5	4628.8	3714.1	2898.5	2374.1	2257.6	2222.7	2295.5	2304.2
25°	10032.5	9216.9	6723.3	4553.1	3399.5	2470.3	2146.9	2103.2	2100.3	2193.5	2196.4
27.5°	10990.9	9904.4	6947.6	4331.7	3079.1	2248.8	2010.0	2001.2	2047.8	2146.9	2138.2
30°	11643.4	10481.1	7352.5	4066.6	2700.4	2053.7	1954.7	1966.3	2030.4	2106.1	2117.8
32.5°	12403.7	11049.1	7457.4	3920.9	2467.3	1890.6	1820.7	1846.8	1928.4	2047.8	2111.9
35°	13274.7	11451.1	7617.6	3722.9	2379.9	1765.3	1730.4	1759.5	1858.5	1937.2	2007.0
37.5°	13918.5	12162.0	7646.7	3568.4	2283.8	1695.4	1640.0	1736.2	1794.4	1905.1	1940.1
40°	14396.2	12677.6	7722.5	3472.3	2208.0	1605.0	1605.0	1669.1	1747.9	1849.8	1919.7
42.5°	14702.1	13053.3	7777.8	3384.9	2062.5	1578.9	1564.3	1628.4	1733.2	1832.3	1864.3
44°	14888.6	13213.5	7722.5	3303.4	2021.7	1546.9	1546.9	1602.2	1683.8	1800.2	1838.1
45°	14935.2	13414.5	7600.1	3300.5	1972.1	1508.9	1503.1	1608.0	1663.3	1806.0	1829.4
47.5°	15115.8	13662.1	7614.7	3207.2	1852.7	1418.7	1520.6	1567.2	1616.7	1742.0	1820.7
50°	15109.9	13816.5	7582.6	3070.3	1765.3	1316.7	1485.6	1538.1	1587.6	1715.8	1747.9
52.5°	15150.7	14393.3	7876.9	2851.8	1608.0	1185.6	1369.1	1485.6	1546.9	1654.6	1721.6
55°	15130.3	14722.5	8168.1	2688.8	1386.6	1106.9	1270.1	1407.0	1494.4	1608.0	1640.0
57.5°	13819.5	13012.5	7559.3	2382.9	1147.7	1013.7	1130.2	1325.4	1436.1	1552.7	1593.4
60°	11290.9	10029.6	6233.9	1753.7	943.9	932.2	1051.6	1299.2	1345.9	1447.8	1517.7
62.5°	10434.5	8797.4	4943.4	1340.0	806.9	853.5	970.0	1174.0	1246.8	1372.0	1436.1
65°	8165.3	5843.5	3061.6	905.9	710.8	766.2	876.8	1028.3	1147.7	1264.3	1340.0
67.5°	4835.7	3192.7	1514.8	635.0	620.5	678.8	792.3	905.9	1042.8	1171.0	1208.9
70°	2633.4	1570.1	646.7	483.6	527.2	579.7	690.4	769.0	900.1	999.2	1063.3
72.5°	844.8	477.8	323.4	358.3	402.0	463.1	530.2	626.3	719.6	777.8	830.2
75°	203.9	201.0	230.1	250.5	291.3	337.9	393.3	442.8	515.6	571.0	617.5
77.5°	142.7	154.4	177.7	206.8	221.4	238.8	273.8	311.7	343.7	384.5	413.7
80°	110.7	119.4	136.9	151.5	166.0	180.6	198.1	212.7	233.0	259.3	273.8
82.5°	104.9	110.7	128.2	136.9	131.1	128.2	139.9	145.7	148.6	157.3	166.0
85°	8.7	0.0	5.8	20.4	49.5	72.8	78.6	78.6	75.8	81.6	81.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.7	8.7
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: P652010

CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3
2.5°	7876.9	7777.8	7815.7	7862.3	7795.3	7640.9	7681.7	7664.2	7821.5	7809.9	7967.1
5°	6603.9	6449.5	6467.0	6694.2	6621.4	6700.0	6542.6	6522.3	6551.4	6566.0	6592.2
7.5°	5054.2	5033.7	5208.5	5400.7	5491.1	5397.9	5243.5	5208.5	5176.4	5112.4	5258.0
10°	4124.9	4130.7	4119.0	4264.7	4366.6	4346.3	4253.0	4241.4	4180.2	4156.9	4238.5
12.5°	3682.1	3603.4	3565.6	3518.9	3597.6	3650.0	3609.2	3580.1	3583.0	3612.2	3623.8
15°	3253.8	3204.4	3122.8	3070.3	3108.3	3082.0	3067.5	3125.7	3111.1	3105.3	3175.2
17.5°	2773.2	2814.0	2808.2	2749.9	2799.4	2779.0	2776.1	2735.4	2680.0	2639.2	2662.5
20°	2455.7	2531.4	2589.7	2592.6	2618.8	2615.9	2572.2	2447.0	2406.2	2397.4	2403.2
22.5°	2342.1	2382.9	2452.8	2551.8	2551.8	2505.3	2452.8	2307.1	2269.3	2228.5	2211.0
25°	2251.8	2330.4	2420.7	2432.4	2479.0	2435.3	2350.8	2278.0	2199.4	2144.0	2144.0
27.5°	2205.2	2292.6	2359.6	2379.9	2444.0	2409.0	2321.7	2228.5	2135.3	2132.4	2082.8
30°	2184.7	2266.3	2310.1	2359.6	2388.7	2333.4	2307.1	2208.0	2114.9	2091.6	2010.0
32.5°	2123.6	2240.1	2321.7	2310.1	2333.4	2310.1	2272.1	2190.6	2085.8	2033.3	2024.5
35°	2053.7	2170.2	2257.6	2318.8	2333.4	2283.8	2260.5	2149.8	2007.0	1980.9	1890.6
37.5°	2015.8	2085.8	2193.5	2292.6	2312.9	2286.8	2208.0	2094.5	1951.7	1922.6	1844.0
40°	1969.2	2059.5	2144.0	2225.5	2286.8	2222.7	2132.4	2021.7	1957.6	1870.1	1846.8
42.5°	1934.2	2036.2	2106.1	2196.4	2266.3	2181.9	2077.0	2001.2	1910.9	1852.7	1785.7
44°	1922.6	2015.8	2062.5	2173.1	2231.4	2167.3	2079.9	2001.2	1896.4	1844.0	1785.7
45°	1881.8	2010.0	2059.5	2158.6	2208.0	2155.7	2045.0	1966.3	1890.6	1826.5	1765.3
47.5°	1841.0	1928.4	2012.9	2091.6	2126.6	2109.1	2015.8	1919.7	1829.4	1791.5	1733.2
50°	1829.4	1916.8	1995.4	2068.3	2109.1	2074.1	1989.6	1896.4	1791.5	1730.4	1680.8
52.5°	1771.1	1878.9	1966.3	1989.6	2042.0	2021.7	1957.6	1855.6	1756.6	1704.1	1663.3
55°	1686.6	1800.2	1919.7	1948.8	2024.5	1992.5	1896.4	1800.2	1715.8	1637.1	1584.7
57.5°	1654.6	1765.3	1881.8	1919.7	1966.3	1913.9	1890.6	1788.6	1654.6	1613.8	1532.2
60°	1573.0	1712.9	1809.0	1896.4	1899.3	1884.8	1844.0	1727.4	1616.7	1541.0	1482.8
62.5°	1508.9	1640.0	1715.8	1797.4	1846.8	1806.0	1765.3	1657.5	1538.1	1453.6	1386.6
65°	1415.7	1535.2	1599.2	1648.8	1704.1	1698.3	1628.4	1549.7	1424.5	1357.5	1293.4
67.5°	1273.0	1377.9	1465.3	1511.9	1546.9	1538.1	1485.6	1430.3	1302.1	1235.1	1188.5
70°	1101.1	1208.9	1264.3	1290.5	1325.4	1342.9	1302.1	1275.9	1162.3	1074.9	1031.2
72.5°	885.6	955.5	1037.0	1060.3	1074.9	1086.6	1086.6	1063.3	946.7	911.8	836.0
75°	652.5	707.9	769.0	769.0	795.2	798.2	804.0	789.4	702.1	655.5	638.0
77.5°	442.8	483.6	533.1	553.5	571.0	568.0	565.2	524.4	477.8	457.3	439.8
80°	288.4	329.2	352.5	378.7	396.2	393.3	399.1	370.0	349.6	314.6	320.4
82.5°	171.9	203.9	227.2	259.3	259.3	268.0	268.0	259.3	238.8	221.4	221.4
85°	81.6	107.8	122.4	142.7	154.4	157.3	139.9	119.4	99.1	90.3	99.1
87.5°	14.5	20.4	29.1	26.2	32.0	29.1	29.1	29.1	29.1	23.3	26.2
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: P652010

CATALOG NUMBER: GALN-SA7A-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3	8899.3
2.5°	7908.9	8054.6	8156.5	8325.5	8616.8	8849.8	9088.7	9266.4	9286.7	9339.2
5°	6688.3	6767.0	7026.2	7364.1	7603.1	7996.3	8249.7	8710.0	8881.9	9065.4
7.5°	5223.1	5351.3	5697.9	5925.1	6449.5	6941.8	7451.5	8019.6	8246.8	8273.0
10°	4404.5	4590.9	4826.9	5191.1	5476.5	6024.2	6659.2	7291.3	7544.8	7588.4
12.5°	3868.5	4107.4	4422.0	4684.2	4958.0	5435.7	6044.5	6825.2	7154.4	7352.5
15°	3352.9	3600.5	3947.1	4311.3	4553.1	5124.0	5840.7	6720.3	7148.6	7323.3
17.5°	2822.7	3052.8	3338.3	3731.6	4218.1	4859.0	5808.6	7070.0	7539.0	7742.8
20°	2368.3	2496.5	2828.5	3233.5	3842.3	4588.1	5820.2	7585.6	8273.0	8363.3
22.5°	2190.6	2219.7	2350.8	2723.7	3390.7	4311.3	6027.1	8316.7	9097.4	9394.6
25°	2053.7	2047.8	2082.8	2333.4	3061.6	4203.5	6231.0	8989.6	10012.1	10335.5
27.5°	1977.9	1919.7	1922.6	2158.6	2828.5	4028.7	6493.2	9761.6	11049.1	11191.9
30°	1940.1	1928.4	1893.5	1989.6	2575.1	3766.6	6536.8	10521.9	11660.9	11867.7
32.5°	1916.8	1803.2	1759.5	1794.4	2336.3	3481.1	6700.0	11022.9	12418.3	12328.0
35°	1800.2	1698.3	1669.1	1704.1	2167.3	3320.9	6592.2	11459.9	12986.3	13137.8
37.5°	1756.6	1666.3	1608.0	1578.9	2010.0	3186.9	6536.8	12132.8	13536.9	13901.1
40°	1715.8	1619.7	1549.7	1520.6	1887.6	3009.2	6519.3	12651.3	14171.9	14390.4
42.5°	1669.1	1608.0	1529.4	1476.9	1739.1	2831.5	6318.3	12811.5	14367.1	14603.0
44°	1654.6	1561.4	1479.8	1462.3	1680.8	2741.2	6277.6	12957.2	14536.1	14894.4
45°	1640.0	1552.7	1459.5	1436.1	1660.5	2691.6	6222.2	12992.2	14815.7	14882.8
47.5°	1599.2	1543.9	1453.6	1389.5	1616.7	2583.9	6056.2	12794.0	14530.2	14541.9
50°	1567.2	1503.1	1409.9	1284.6	1558.5	2493.6	6132.0	12721.2	13842.8	13869.0
52.5°	1532.2	1436.1	1383.7	1168.1	1462.3	2417.8	6292.2	13050.4	13921.4	13915.6
55°	1491.5	1386.6	1258.5	1069.1	1302.1	2321.7	6679.6	13700.1	14649.6	14748.7
57.5°	1427.4	1337.1	1153.6	981.7	1118.6	2138.2	6554.3	12456.1	13478.6	13496.1
60°	1342.9	1258.5	1045.8	914.7	917.6	1686.6	5861.0	9706.2	10635.5	10888.9
62.5°	1261.3	1214.7	955.5	818.5	780.7	1342.9	4955.1	8066.2	9129.5	9339.2
65°	1165.2	1051.6	876.8	745.7	670.0	940.9	3510.2	6027.1	7122.3	7404.9
67.5°	1042.8	920.6	772.0	655.5	573.9	629.2	1811.9	3425.7	4535.6	4701.6
70°	911.8	798.2	649.6	553.5	463.1	434.0	798.2	1634.2	2479.0	2650.8
72.5°	748.7	643.8	518.6	437.0	346.7	300.1	268.0	437.0	879.8	1022.5
75°	541.9	469.0	390.3	311.7	244.7	192.3	157.3	131.1	145.7	157.3
77.5°	399.1	340.9	288.4	221.4	171.9	136.9	107.8	81.6	78.6	75.8
80°	311.7	276.8	230.1	177.7	134.0	101.9	75.8	55.3	49.5	49.5
82.5°	244.7	227.2	189.3	145.7	110.7	81.6	55.3	37.8	32.0	32.0
85°	93.2	93.2	136.9	119.4	84.4	58.3	37.8	20.4	17.5	17.5
87.5°	23.3	23.3	23.3	23.3	20.4	17.5	17.5	8.7	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)