

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: P651075

Luminaire Tested: **GALN-SA8C-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651075
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-SA8C-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 1050mA 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: 35557.5 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 429
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

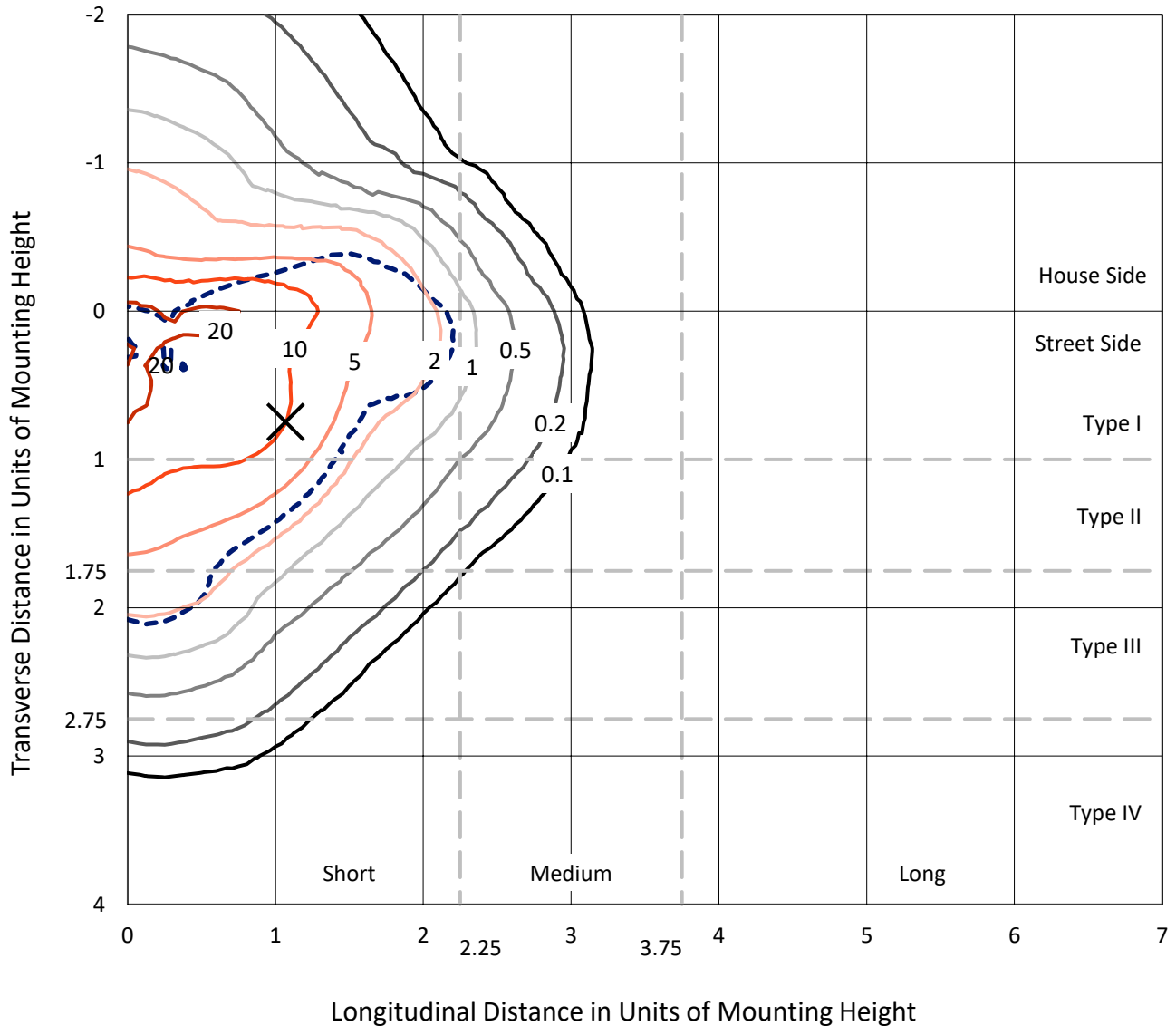




REPORT NUMBER: P651075
 CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

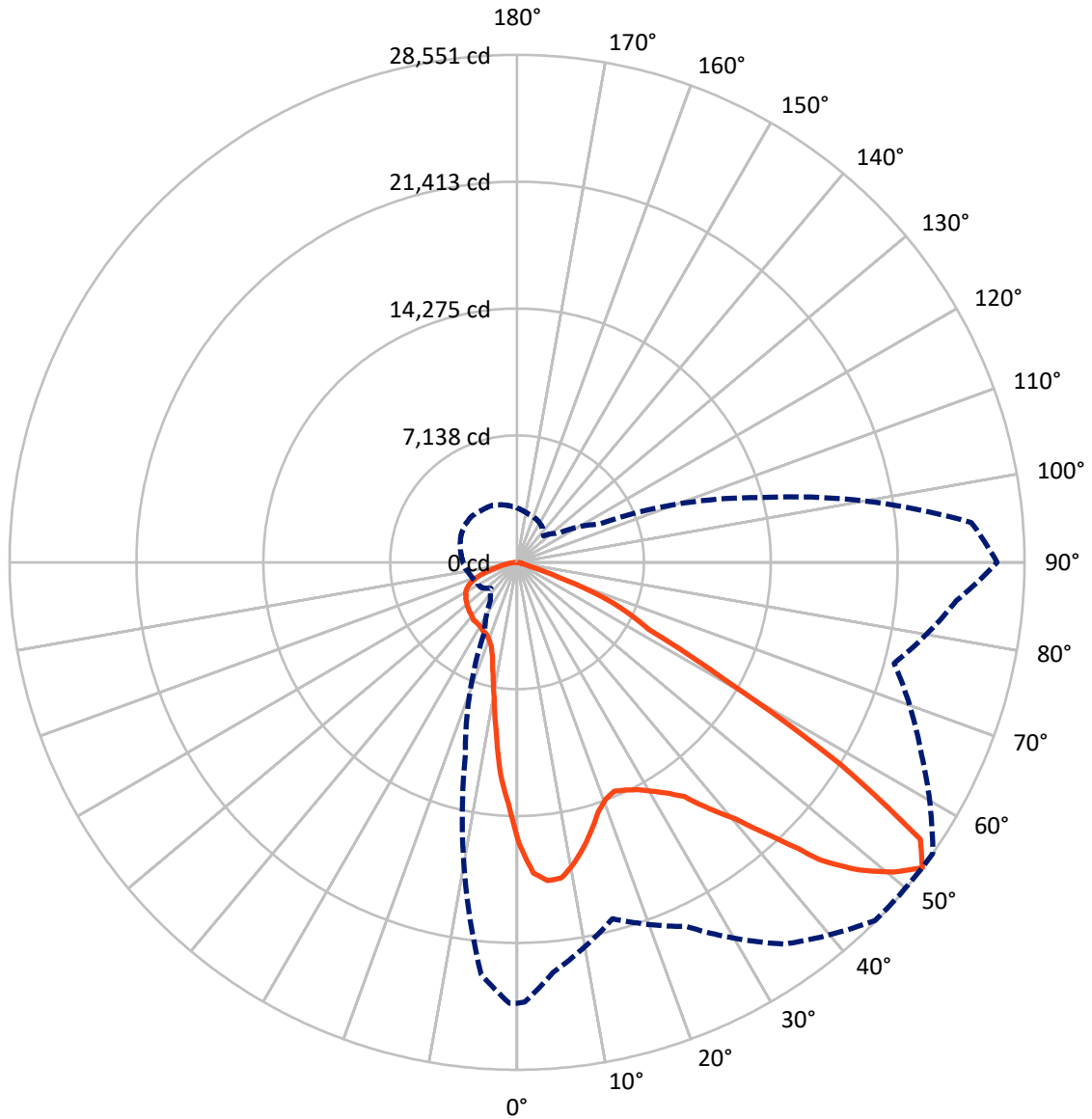
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27 fc
 Type II - Short - N/A

REPORT NUMBER: P651075
CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P651075
 CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

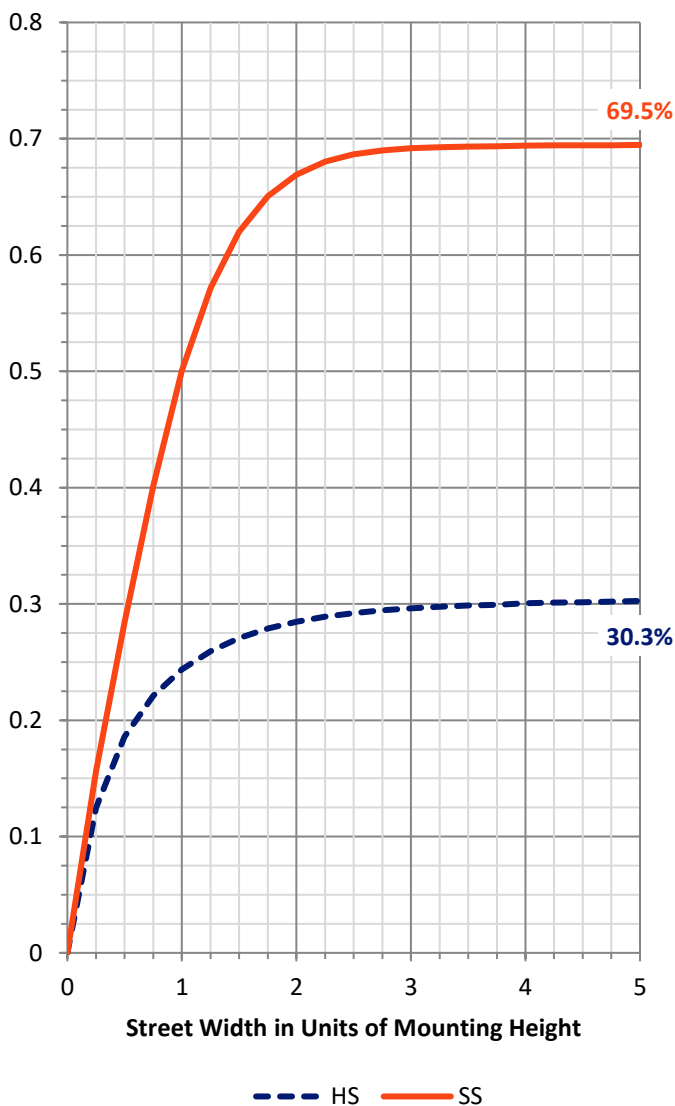
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10847.0	0.0	10847.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	24710.5	0.0	24710.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	35557.5	0.0	35557.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1211.8	3.4
10°-20°	2612.8	7.3
20°-30°	3961.8	11.1
30°-40°	5724.2	16.1
40°-50°	7649.1	21.5
50°-60°	8538.0	24.0
60°-70°	4683.5	13.2
70°-80°	1012.6	2.8
80°-90°	163.8	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°	35557.5	100.0
0°-180°	35557.5	100.0

Coefficient of Utilization

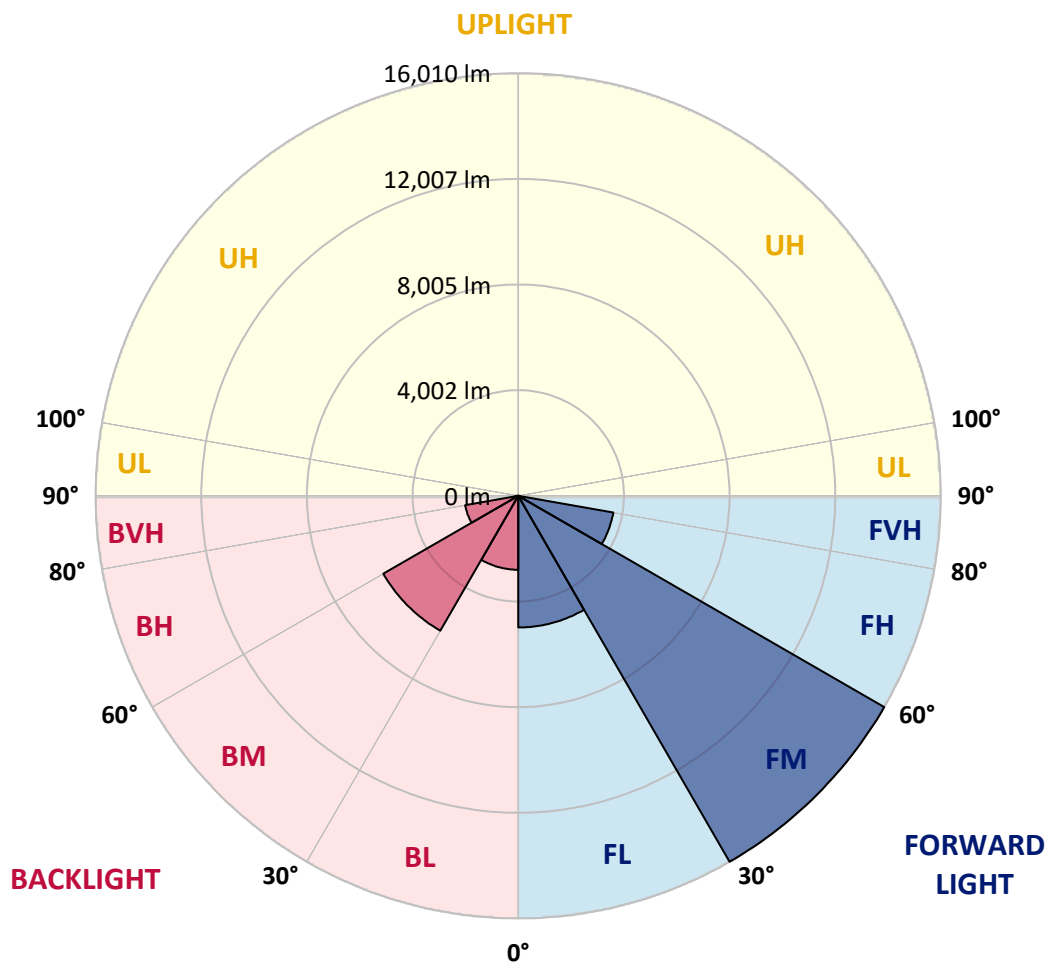


REPORT NUMBER: P651075
 CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4985.8	14.0			
FM (30°-60°)	16009.6	45.0			
FH (60°-80°)	3654.4	10.3			G2/5000
FVH (80°-90°)	60.6	0.2			G1/100
BL (0°-30°)	2800.5	7.9	B4/5000		
BM (30°-60°)	5901.6	16.6	B4/8500		
BH (60°-80°)	2041.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	103.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





REPORT NUMBER: P651075

CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4
2.5°	16645.4	16551.9	16635.0	17029.6	17258.0	17413.7	17512.4	17496.8	17123.0	16759.6	16759.6
5°	16157.3	16038.0	16209.3	17102.2	18000.4	18078.4	18208.2	17995.3	17444.9	16780.4	15949.6
7.5°	14745.1	14833.4	15118.9	16292.4	17460.5	18047.2	18202.9	17933.0	17039.9	15799.1	14579.0
10°	13525.0	13732.7	14392.0	15658.9	16733.6	17496.8	17668.1	17289.2	16583.1	15061.8	13971.5
12.5°	13104.5	12974.7	13706.7	14973.6	16001.5	16411.7	16489.6	16515.6	16038.0	14688.0	13358.9
15°	13052.6	13135.6	13706.7	14667.2	15300.6	15321.4	15451.2	15653.7	15716.0	14942.4	13644.5
17.5°	13800.2	13701.6	14288.3	15051.5	14750.3	14449.1	14480.3	14771.1	15285.1	15160.5	14542.7
20°	14906.1	15129.3	15591.4	15513.5	14703.6	13940.3	13945.5	14220.7	15233.2	16063.9	15793.9
22.5°	16744.1	16962.0	17304.8	16365.0	14703.6	13789.8	13613.3	13987.1	15565.5	17138.6	17206.1
25°	18421.0	18820.8	18914.3	17808.3	15440.8	13930.0	13815.8	14184.4	15897.8	18187.4	18826.0
27.5°	19947.4	20092.8	20503.0	18737.7	15851.0	14023.4	14013.1	14485.6	16318.3	18711.7	20274.6
30°	21152.0	21136.4	21370.1	19324.4	16505.2	14547.8	14044.2	14937.3	16868.6	19578.8	21614.0
32.5°	21972.3	22148.8	22642.1	20139.5	16780.4	15046.2	14651.6	15466.8	17538.4	19989.0	22559.0
35°	23415.6	23722.0	23099.0	20591.2	17652.6	15539.5	15077.4	16188.5	17870.7	20435.5	23716.8
37.5°	24775.9	24542.3	23908.9	20835.3	18218.5	16453.2	16022.3	17585.1	18903.8	21406.4	24485.2
40°	25648.2	25643.0	24516.3	21032.6	18618.3	17849.9	17823.9	19002.5	20170.7	22019.1	25347.1
42.5°	26027.2	26390.7	24765.6	21011.8	19459.4	19542.5	20066.8	21120.8	21068.9	22143.6	25326.3
44°	26546.4	26764.5	25196.5	21058.6	20020.2	20684.7	21920.4	22590.2	21852.9	22076.2	25300.3
45°	26525.6	26541.2	24583.9	21120.8	20497.8	21640.0	22745.9	23877.8	22543.4	21930.8	25643.0
47.5°	25918.2	25741.7	24064.6	20658.7	21987.9	24163.3	25186.1	25871.4	23394.9	21619.3	25217.3
50°	24718.8	24516.3	22803.0	20461.4	22299.4	25731.2	27143.4	27392.7	24168.5	21313.0	24796.7
52.5°	24801.9	24744.8	23161.2	20757.4	22610.9	26224.5	28488.2	28550.5	25045.9	21956.7	24801.9
55°	26286.8	26089.5	24189.3	21126.0	22382.5	25648.2	27631.6	27522.5	24750.0	21567.4	25258.8
57.5°	24054.3	24184.0	22766.7	19667.1	19589.2	20850.8	21723.1	21453.1	20653.5	19464.6	23498.7
60°	19407.5	19776.1	19911.1	16448.1	14781.5	14132.5	13872.9	13395.2	13530.2	15991.2	20643.2
62.5°	16645.4	16624.6	17470.8	14911.3	9682.9	8327.9	8203.3	8312.3	9869.9	15742.0	20217.4
65°	13197.9	13550.9	13810.6	12637.2	7663.3	6183.6	6178.4	6869.0	8540.8	13156.4	16323.5
67.5°	8379.8	8841.9	9163.8	8083.9	5124.5	4402.8	4283.4	5114.0	5918.8	8629.0	9828.3
70°	4724.7	4942.7	5088.1	4662.3	3260.6	2284.5	2149.4	2346.7	3577.3	5586.5	5825.4
72.5°	1822.4	1921.0	2118.3	2133.9	1230.5	737.2	597.1	716.4	1505.6	2211.7	2108.0
75°	280.4	301.2	425.7	508.8	353.1	270.0	285.5	295.9	420.6	571.1	477.7
77.5°	135.0	135.0	129.8	150.5	176.5	192.1	207.6	228.4	249.2	275.2	264.8
80°	88.3	88.3	88.3	103.9	129.8	155.8	176.5	186.9	197.3	218.1	207.6
82.5°	57.1	57.1	57.1	77.9	103.9	129.8	140.2	166.2	186.9	218.1	202.5
85°	31.1	31.1	31.1	51.9	77.9	109.0	103.9	83.1	46.8	5.2	10.3
87.5°	10.3	10.3	10.3	10.3	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: P651075

CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4
2.5°	16323.5	16084.6	16063.9	15575.8	15139.7	14926.8	14755.5	14277.8	14381.7	14106.5	14101.3
5°	15534.3	15046.2	14257.1	13608.1	12959.1	12829.3	12263.4	11770.1	11785.7	11432.6	11495.0
7.5°	14116.9	13779.4	12818.9	11801.2	10939.4	10326.8	9792.0	9470.1	9059.9	8919.7	8847.1
10°	13218.7	12803.3	11723.4	10446.2	9480.5	9153.4	8639.4	8353.8	7933.3	7725.6	7580.3
12.5°	12824.1	12216.6	10866.7	9568.7	8924.9	8587.5	8151.4	7632.2	7133.7	6941.6	6676.9
15°	12865.6	12138.7	10617.5	9215.7	8442.1	7787.9	7398.5	6822.2	6313.4	5975.9	5783.8
17.5°	13493.8	12611.2	10731.7	8945.7	7834.7	7014.3	6251.1	5628.1	5223.1	4968.7	4906.4
20°	14978.7	13779.4	10923.8	8509.6	7227.2	6204.4	5264.7	4615.7	4304.2	4298.9	4304.2
22.5°	16214.5	15025.5	11313.2	8250.0	6619.8	5166.0	4231.4	4023.8	3961.4	4091.2	4106.9
25°	17881.1	16427.3	11983.0	8115.0	6059.0	4402.8	3826.5	3748.6	3743.4	3909.6	3914.7
27.5°	19589.2	17652.6	12382.8	7720.4	5487.9	4008.2	3582.4	3566.8	3649.9	3826.5	3810.9
30°	20752.2	18680.6	13104.5	7248.0	4813.0	3660.3	3483.8	3504.5	3618.8	3753.8	3774.6
32.5°	22107.3	19693.0	13291.4	6988.4	4397.6	3369.6	3245.0	3291.7	3437.1	3649.9	3764.1
35°	23659.7	20409.6	13576.9	6635.3	4241.8	3146.3	3084.0	3135.9	3312.4	3452.6	3577.3
37.5°	24807.1	21676.4	13628.8	6360.1	4070.5	3021.7	2923.1	3094.4	3198.2	3395.5	3457.9
40°	25658.6	22595.3	13763.8	6188.8	3935.5	2860.7	2860.7	2975.0	3115.1	3296.9	3421.5
42.5°	26203.7	23265.1	13862.5	6033.0	3675.9	2814.1	2788.1	2902.3	3089.2	3265.8	3322.9
44°	26536.0	23550.7	13763.8	5887.7	3603.2	2756.9	2756.9	2855.5	3000.9	3208.6	3276.1
45°	26619.1	23908.9	13545.8	5882.5	3515.0	2689.4	2679.0	2866.0	2964.6	3219.0	3260.6
47.5°	26941.0	24350.2	13571.7	5716.4	3302.1	2528.5	2710.2	2793.3	2881.5	3104.8	3245.0
50°	26930.6	24625.4	13514.6	5472.3	3146.3	2346.7	2647.9	2741.3	2829.6	3058.0	3115.1
52.5°	27003.3	25653.4	14039.0	5082.9	2866.0	2113.1	2440.2	2647.9	2756.9	2949.1	3068.5
55°	26966.9	26240.0	14558.2	4792.2	2471.4	1972.9	2263.7	2507.7	2663.4	2866.0	2923.1
57.5°	24630.6	23192.4	13473.1	4247.0	2045.6	1806.8	2014.4	2362.4	2559.7	2767.3	2840.0
60°	20124.0	17875.9	11110.8	3125.6	1682.2	1661.4	1874.3	2315.6	2398.7	2580.4	2705.0
62.5°	18597.5	15679.7	8810.7	2388.3	1438.2	1521.2	1728.9	2092.3	2222.2	2445.4	2559.7
65°	14553.0	10415.0	5456.7	1614.7	1266.8	1365.4	1562.7	1832.8	2045.6	2253.3	2388.3
67.5°	8618.7	5690.4	2699.8	1131.8	1105.9	1209.7	1412.2	1614.7	1858.7	2087.2	2154.6
70°	4693.5	2798.4	1152.6	861.9	939.7	1033.2	1230.5	1370.7	1604.3	1780.8	1895.0
72.5°	1505.6	851.5	576.3	638.6	716.4	825.5	944.9	1116.3	1282.4	1386.2	1479.7
75°	363.4	358.3	410.2	446.5	519.2	602.2	700.9	789.2	919.0	1017.6	1100.7
77.5°	254.4	275.2	316.7	368.6	394.6	425.7	488.0	555.6	612.7	685.3	737.2
80°	197.3	212.9	244.1	270.0	295.9	321.9	353.1	379.0	415.4	462.0	488.0
82.5°	186.9	197.3	228.4	244.1	233.6	228.4	249.2	259.6	264.8	280.4	295.9
85°	15.6	0.0	10.3	36.3	88.3	129.8	140.2	140.2	135.0	145.4	145.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	20.8	15.6
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: P651075

CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4
2.5°	14039.0	13862.5	13930.0	14013.1	13893.7	13618.5	13691.1	13660.0	13940.3	13919.6	14199.9
5°	11770.1	11495.0	11526.1	11931.1	11801.2	11941.4	11661.1	11624.7	11676.7	11702.6	11749.4
7.5°	9008.0	8971.7	9283.2	9625.8	9786.8	9620.7	9345.5	9283.2	9226.1	9111.9	9371.4
10°	7351.8	7362.2	7341.4	7601.0	7782.7	7746.4	7580.3	7559.5	7450.4	7408.9	7554.3
12.5°	6562.6	6422.5	6354.9	6271.8	6412.0	6505.5	6432.8	6380.9	6386.0	6438.0	6458.8
15°	5799.4	5711.1	5565.7	5472.3	5539.8	5493.1	5467.1	5571.0	5545.0	5534.6	5659.3
17.5°	4942.7	5015.4	5005.0	4901.2	4989.5	4953.2	4947.9	4875.2	4776.6	4703.9	4745.4
20°	4376.8	4511.8	4615.7	4620.8	4667.6	4662.3	4584.5	4361.3	4288.5	4273.0	4283.4
22.5°	4174.3	4247.0	4371.6	4548.1	4548.1	4465.0	4371.6	4112.0	4044.5	3971.9	3940.7
25°	4013.3	4153.5	4314.5	4335.3	4418.4	4340.5	4189.9	4060.1	3919.9	3821.3	3821.3
27.5°	3930.3	4086.1	4205.5	4241.8	4356.0	4293.7	4138.0	3971.9	3805.7	3800.5	3712.3
30°	3894.0	4039.3	4117.2	4205.5	4257.4	4158.7	4112.0	3935.5	3769.4	3727.8	3582.4
32.5°	3784.9	3992.6	4138.0	4117.2	4158.7	4117.2	4049.8	3904.3	3717.5	3624.0	3608.4
35°	3660.3	3868.0	4023.8	4132.8	4158.7	4070.5	4029.0	3831.7	3577.3	3530.5	3369.6
37.5°	3592.8	3717.5	3909.6	4086.1	4122.4	4075.7	3935.5	3733.0	3478.6	3426.7	3286.5
40°	3509.7	3670.7	3821.3	3966.7	4075.7	3961.4	3800.5	3603.2	3489.0	3333.2	3291.7
42.5°	3447.4	3629.2	3753.8	3914.7	4039.3	3888.8	3701.8	3566.8	3405.9	3302.1	3182.7
44°	3426.7	3592.8	3675.9	3873.2	3977.0	3862.8	3707.0	3566.8	3380.0	3286.5	3182.7
45°	3354.0	3582.4	3670.7	3847.2	3935.5	3842.0	3644.7	3504.5	3369.6	3255.3	3146.3
47.5°	3281.3	3437.1	3587.6	3727.8	3790.1	3758.9	3592.8	3421.5	3260.6	3193.0	3089.2
50°	3260.6	3416.3	3556.5	3686.3	3758.9	3696.7	3546.1	3380.0	3193.0	3084.0	2995.7
52.5°	3156.7	3348.8	3504.5	3546.1	3639.5	3603.2	3489.0	3307.2	3130.7	3037.3	2964.6
55°	3006.2	3208.6	3421.5	3473.4	3608.4	3551.3	3380.0	3208.6	3058.0	2917.8	2824.4
57.5°	2949.1	3146.3	3354.0	3421.5	3504.5	3411.1	3369.6	3187.9	2949.1	2876.3	2731.0
60°	2803.6	3052.8	3224.2	3380.0	3385.1	3359.2	3286.5	3078.8	2881.5	2746.5	2642.7
62.5°	2689.4	2923.1	3058.0	3203.5	3291.7	3219.0	3146.3	2954.2	2741.3	2590.8	2471.4
65°	2523.3	2736.2	2850.4	2938.6	3037.3	3026.9	2902.3	2762.1	2538.9	2419.5	2305.2
67.5°	2268.8	2455.8	2611.6	2694.6	2756.9	2741.3	2647.9	2549.2	2320.8	2201.4	2118.3
70°	1962.6	2154.6	2253.3	2300.1	2362.4	2393.5	2320.8	2274.1	2071.6	1915.8	1837.9
72.5°	1578.4	1702.9	1848.3	1889.9	1915.8	1936.6	1936.6	1895.0	1687.4	1625.1	1490.1
75°	1163.0	1261.7	1370.7	1370.7	1417.4	1422.6	1433.0	1407.0	1251.2	1168.1	1137.0
77.5°	789.2	861.9	950.2	986.5	1017.6	1012.4	1007.3	934.5	851.5	815.1	784.0
80°	514.0	586.7	628.2	675.0	706.1	700.9	711.3	659.3	623.0	560.7	571.1
82.5°	306.3	363.4	404.9	462.0	462.0	477.7	477.7	462.0	425.7	394.6	394.6
85°	145.4	192.1	218.1	254.4	275.2	280.4	249.2	212.9	176.5	161.0	176.5
87.5°	26.0	36.3	51.9	46.8	57.1	51.9	51.9	51.9	51.9	41.5	46.8
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: P651075

CATALOG NUMBER: GALN-SA8C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4	15861.4
2.5°	14096.1	14355.7	14537.4	14838.6	15357.8	15773.1	16198.8	16515.6	16551.9	16645.4
5°	11920.7	12060.9	12523.0	13125.2	13550.9	14251.9	14703.6	15523.9	15830.2	16157.3
7.5°	9309.1	9537.6	10155.4	10560.4	11495.0	12372.4	13281.0	14293.4	14698.4	14745.1
10°	7850.2	8182.5	8603.0	9252.0	9760.8	10737.0	11868.8	12995.5	13447.2	13525.0
12.5°	6894.9	7320.7	7881.3	8348.6	8836.7	9688.2	10773.3	12164.7	12751.4	13104.5
15°	5975.9	6417.3	7035.0	7684.0	8115.0	9132.6	10409.8	11977.8	12741.1	13052.6
17.5°	5031.0	5441.2	5950.0	6650.9	7518.0	8660.2	10352.7	12600.9	13436.7	13800.2
20°	4221.1	4449.5	5041.4	5763.0	6848.2	8177.3	10373.5	13519.8	14745.1	14906.1
22.5°	3904.3	3956.2	4189.9	4854.5	6043.4	7684.0	10742.1	14823.0	16214.5	16744.1
25°	3660.3	3649.9	3712.3	4158.7	5456.7	7492.0	11105.6	16022.3	17844.7	18421.0
27.5°	3525.3	3421.5	3426.7	3847.2	5041.4	7180.5	11572.8	17398.2	19693.0	19947.4
30°	3457.9	3437.1	3374.8	3546.1	4589.7	6713.2	11650.7	18753.3	20783.4	21152.0
32.5°	3416.3	3213.8	3135.9	3198.2	4164.0	6204.4	11941.4	19646.3	22133.3	21972.3
35°	3208.6	3026.9	2975.0	3037.3	3862.8	5918.8	11749.4	20425.1	23145.7	23415.6
37.5°	3130.7	2969.8	2866.0	2814.1	3582.4	5679.9	11650.7	21624.5	24126.9	24775.9
40°	3058.0	2886.7	2762.1	2710.2	3364.4	5363.3	11619.6	22548.6	25258.8	25648.2
42.5°	2975.0	2866.0	2725.8	2632.3	3099.6	5046.6	11261.3	22834.2	25606.7	26027.2
44°	2949.1	2782.9	2637.5	2606.3	2995.7	4885.6	11188.7	23093.8	25907.8	26546.4
45°	2923.1	2767.3	2601.1	2559.7	2959.4	4797.3	11090.0	23156.1	26406.2	26525.6
47.5°	2850.4	2751.8	2590.8	2476.6	2881.5	4605.2	10794.1	22803.0	25897.4	25918.2
50°	2793.3	2679.0	2512.9	2289.6	2777.7	4444.3	10929.0	22673.2	24672.1	24718.8
52.5°	2731.0	2559.7	2466.1	2082.0	2606.3	4309.3	11214.6	23259.9	24812.3	24801.9
55°	2658.3	2471.4	2242.9	1905.5	2320.8	4138.0	11905.1	24417.7	26110.3	26286.8
57.5°	2544.0	2383.1	2056.0	1749.7	1993.7	3810.9	11681.9	22200.7	24023.1	24054.3
60°	2393.5	2242.9	1863.9	1630.3	1635.5	3006.2	10446.2	17299.5	18955.8	19407.5
62.5°	2248.1	2165.1	1702.9	1459.0	1391.4	2393.5	8831.5	14376.5	16271.6	16645.4
65°	2076.8	1874.3	1562.7	1329.1	1194.1	1677.0	6256.3	10742.1	12694.3	13197.9
67.5°	1858.7	1640.6	1375.9	1168.1	1022.8	1121.5	3229.4	6105.7	8083.9	8379.8
70°	1625.1	1422.6	1157.8	986.5	825.5	773.6	1422.6	2912.7	4418.4	4724.7
72.5°	1334.3	1147.5	924.2	778.8	617.9	534.8	477.7	778.8	1568.0	1822.4
75°	965.7	835.9	695.8	555.6	436.1	342.7	280.4	233.6	259.6	280.4
77.5°	711.3	607.5	514.0	394.6	306.3	244.1	192.1	145.4	140.2	135.0
80°	555.6	493.2	410.2	316.7	238.8	181.7	135.0	98.6	88.3	88.3
82.5°	436.1	404.9	337.5	259.6	197.3	145.4	98.6	67.5	57.1	57.1
85°	166.2	166.2	244.1	212.9	150.5	103.9	67.5	36.3	31.1	31.1
87.5°	41.5	41.5	41.5	41.5	36.3	31.1	31.1	15.6	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)