

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: P532396

Luminaire Tested: **GALN-SA7D-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532396
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-SA7D-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1200mA 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: 36546 lumens
Efficiency: N/A
Efficacy: 84.4 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

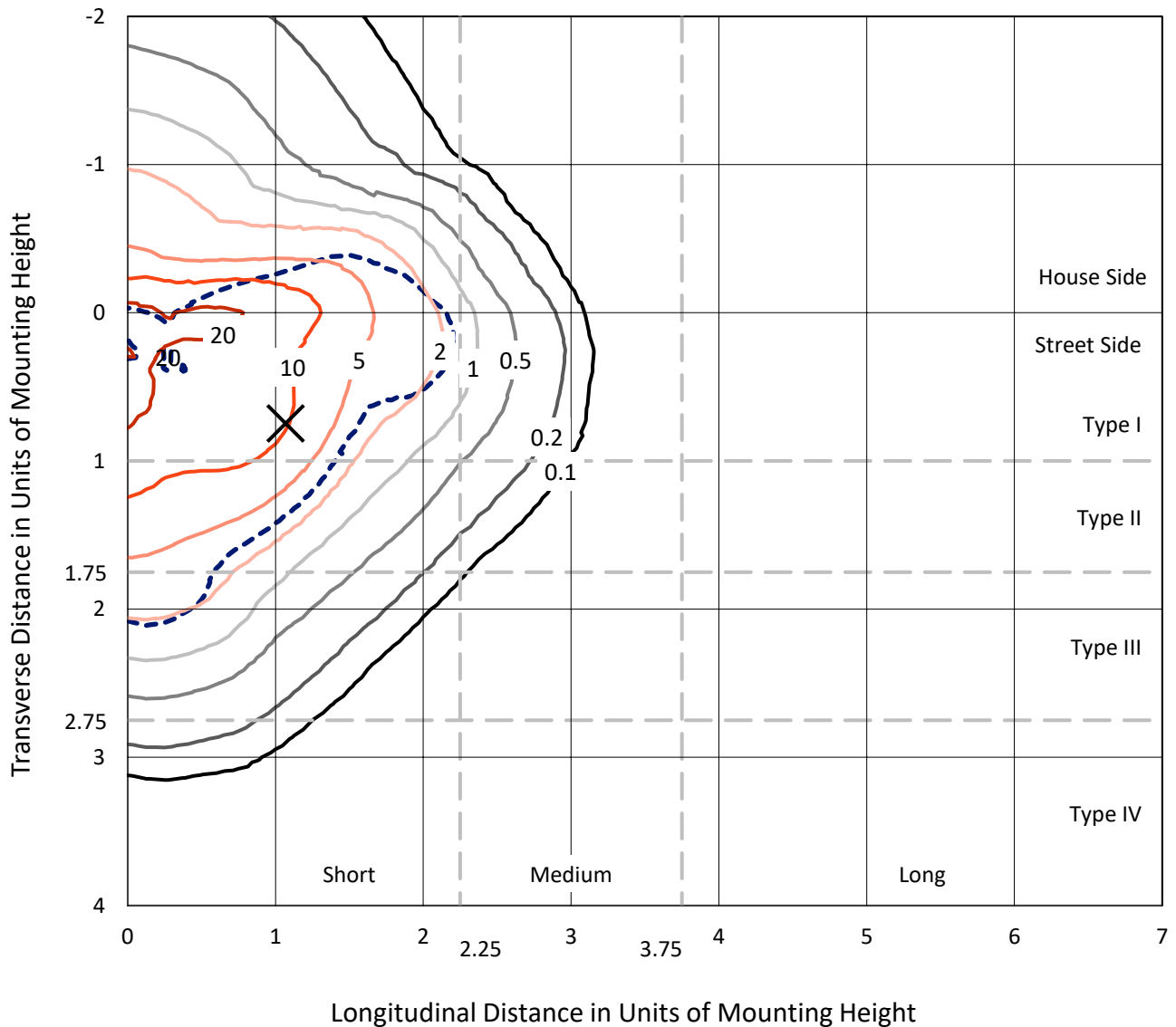
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532396
 CATALOG NUMBER: GALN-SA7D-730-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

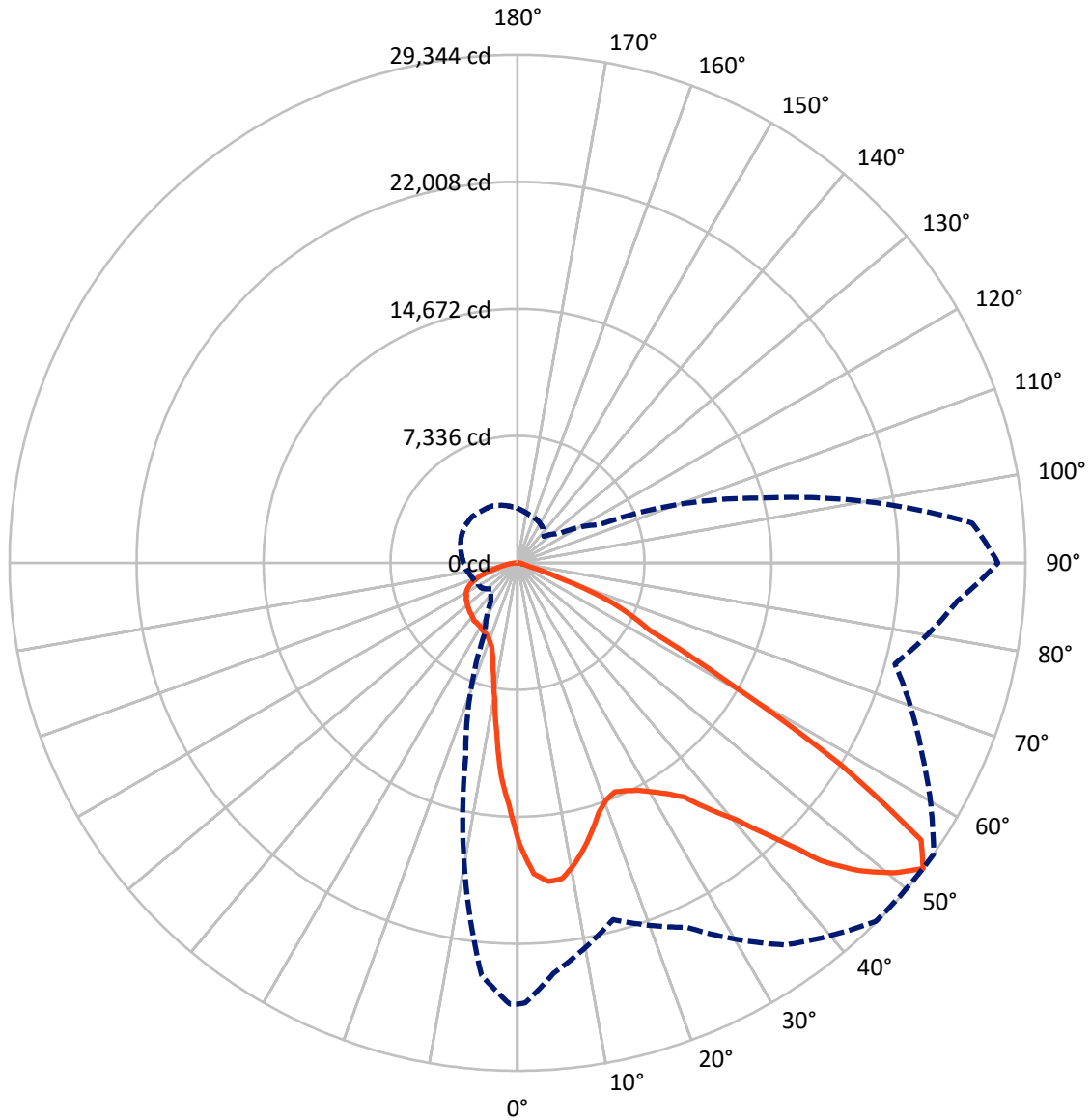
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.7 fc
 Type II - Short - N/A

REPORT NUMBER: P532396
CATALOG NUMBER: GALN-SA7D-730-U-SLL-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P532396
 CATALOG NUMBER: GALN-SA7D-730-U-SLL-GRSWH

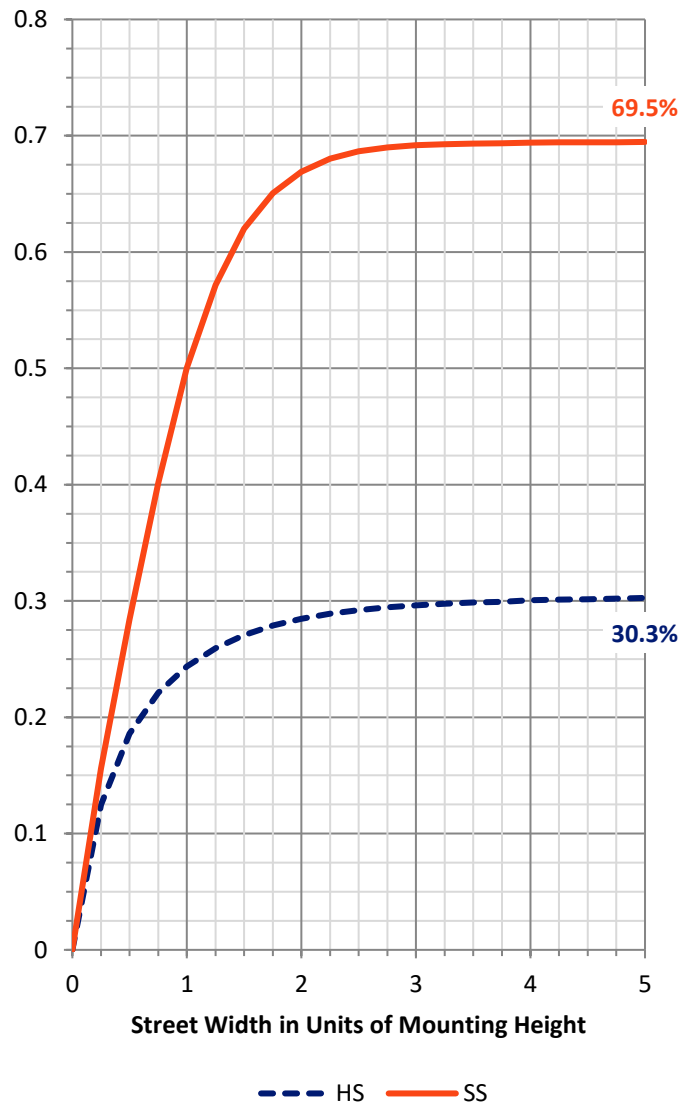
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11148.5	0.0	11148.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	25397.5	0.0	25397.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	36546.0	0.0	36546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1245.5	3.4
10°-20°	2685.4	7.3
20°-30°	4071.9	11.1
30°-40°	5883.3	16.1
40°-50°	7861.7	21.5
50°-60°	8775.4	24.0
60°-70°	4813.7	13.2
70°-80°	1040.7	2.8
80°-90°	168.4	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°	36546.0	100.0
0°-180°	36546.0	100.0

Coefficient of Utilization



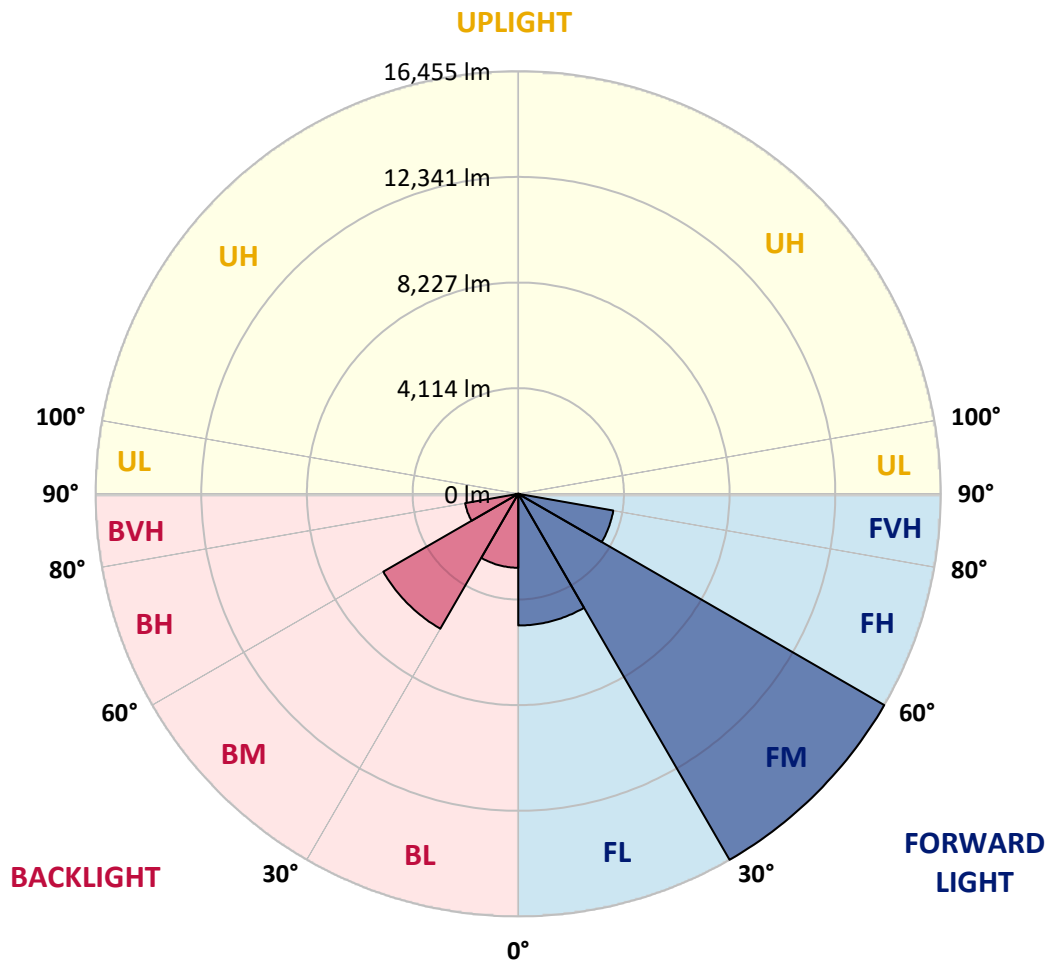
REPORT NUMBER: P532396
 CATALOG NUMBER: GALN-SA7D-730-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5124.4	14.0			
FM (30°-60°)	16454.7	45.0			
FH (60°-80°)	3756.0	10.3			G2/5000
FVH (80°-90°)	62.3	0.2			G1/100
BL (0°-30°)	2878.4	7.9	B4/5000		
BM (30°-60°)	6065.7	16.6	B4/8500		
BH (60°-80°)	2098.4	5.7	B3/2500		G3/2500
BVH (80°-90°)	106.0	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: P532396

CATALOG NUMBER: GALN-SA7D-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3
2.5°	17108.1	17012.1	17097.4	17503.0	17737.8	17897.9	17999.3	17983.3	17599.1	17225.5	17225.5
5°	16606.5	16483.8	16659.9	17577.7	18500.9	18580.9	18714.3	18495.6	17929.9	17246.9	16393.1
7.5°	15155.0	15245.8	15539.3	16745.3	17945.9	18548.9	18709.0	18431.5	17513.7	16238.3	14984.3
10°	13901.0	14114.5	14792.2	16094.2	17198.8	17983.3	18159.4	17769.8	17044.1	15480.6	14359.9
12.5°	13468.8	13335.4	14087.8	15389.8	16446.4	16868.0	16948.0	16974.7	16483.8	15096.3	13730.3
15°	13415.4	13500.8	14087.8	15075.0	15726.0	15747.4	15880.8	16088.9	16152.9	15357.8	14023.8
17.5°	14183.8	14082.4	14685.4	15469.9	15160.4	14850.9	14882.9	15181.7	15710.0	15581.9	14946.9
20°	15320.5	15549.9	16024.9	15944.8	15112.4	14327.9	14333.3	14616.1	15656.7	16510.5	16233.0
22.5°	17209.5	17433.6	17785.8	16820.0	15112.4	14173.2	13991.7	14375.9	15998.2	17615.1	17684.4
25°	18933.1	19344.0	19440.1	18303.4	15870.1	14317.2	14199.8	14578.7	16339.7	18693.0	19349.4
27.5°	20502.0	20651.4	21073.0	19258.6	16291.7	14413.3	14402.6	14888.2	16771.9	19232.0	20838.2
30°	21740.0	21724.0	21964.1	19861.6	16964.0	14952.3	14434.6	15352.5	17337.6	20123.1	22214.9
32.5°	22583.1	22764.6	23271.5	20699.4	17246.9	15464.5	15059.0	15896.8	18026.0	20544.7	23186.1
35°	24066.6	24381.5	23741.1	21163.7	18143.4	15971.5	15496.6	16638.5	18367.5	21003.6	24376.1
37.5°	25464.7	25224.6	24573.6	21414.5	18725.0	16910.7	16467.8	18074.0	19429.4	22001.5	25165.9
40°	26361.2	26355.9	25197.9	21617.3	19135.9	18346.1	18319.5	19530.8	20731.5	22631.2	26051.7
42.5°	26750.8	27124.3	25454.1	21595.9	20000.4	20085.8	20624.7	21708.0	21654.6	22759.2	26030.4
44°	27284.4	27508.5	25897.0	21644.0	20576.7	21259.7	22529.8	23218.2	22460.4	22689.9	26003.7
45°	27263.1	27279.1	25267.3	21708.0	21067.6	22241.6	23378.3	24541.6	23170.1	22540.5	26355.9
47.5°	26638.7	26457.3	24733.7	21233.1	22599.2	24835.1	25886.3	26590.7	24045.3	22220.3	25918.3
50°	25406.0	25197.9	23437.0	21030.3	22919.3	26446.6	27898.1	28154.2	24840.4	21905.4	25486.1
52.5°	25491.4	25432.7	23805.2	21334.5	23239.5	26953.6	29280.2	29344.2	25742.2	22567.1	25491.4
55°	27017.6	26814.8	24861.7	21713.3	23004.7	26361.2	28399.7	28287.6	25438.1	22166.9	25961.0
57.5°	24723.0	24856.4	23399.6	20213.8	20133.8	21430.5	22327.0	22049.5	21227.7	20005.7	24152.0
60°	19947.0	20325.9	20464.6	16905.3	15192.4	14525.4	14258.5	13767.6	13906.4	16435.8	21217.1
62.5°	17108.1	17086.8	17956.6	15325.8	9952.2	8559.4	8431.3	8543.4	10144.3	16179.6	20779.5
65°	13564.8	13927.7	14194.5	12988.5	7876.4	6355.5	6350.2	7059.9	8778.2	13522.1	16777.3
67.5°	8612.8	9087.7	9418.5	8308.6	5266.9	4525.2	4402.4	5256.2	6083.4	8868.9	10101.6
70°	4856.0	5080.1	5229.6	4792.0	3351.2	2348.0	2209.2	2412.0	3676.7	5741.8	5987.3
72.5°	1873.0	1974.4	2177.2	2193.2	1264.7	757.8	613.7	736.4	1547.5	2273.3	2166.5
75°	288.2	309.5	437.6	523.0	362.9	277.5	293.5	304.2	432.2	587.0	490.9
77.5°	138.7	138.7	133.4	154.8	181.4	197.4	213.5	234.8	256.1	282.8	272.2
80°	90.7	90.7	90.7	106.7	133.4	160.1	181.4	192.1	202.8	224.1	213.5
82.5°	58.7	58.7	58.7	80.0	106.7	133.4	144.1	170.8	192.1	224.1	208.1
85°	32.0	32.0	32.0	53.4	80.0	112.1	106.7	85.4	48.0	5.3	10.7
87.5°	10.7	10.7	10.7	10.7	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: P532396

CATALOG NUMBER: GALN-SA7D-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3
2.5°	16777.3	16531.8	16510.5	16008.8	15560.6	15341.8	15165.7	14674.8	14781.5	14498.7	14493.3
5°	15966.2	15464.5	14653.4	13986.4	13319.4	13186.0	12604.3	12097.4	12113.4	11750.5	11814.5
7.5°	14509.4	14162.5	13175.3	12129.4	11243.5	10613.9	10064.2	9733.4	9311.8	9167.7	9093.0
10°	13586.2	13159.3	12049.3	10736.6	9744.1	9407.9	8879.6	8586.1	8153.8	7940.4	7791.0
12.5°	13180.6	12556.3	11168.8	9834.8	9173.1	8826.2	8378.0	7844.3	7332.1	7134.6	6862.5
15°	13223.3	12476.2	10912.7	9471.9	8676.8	8004.4	7604.2	7011.9	6488.9	6142.1	5944.6
17.5°	13869.0	12961.8	11030.1	9194.4	8052.5	7209.3	6424.9	5784.5	5368.3	5106.8	5042.8
20°	15395.2	14162.5	11227.5	8746.2	7428.1	6376.9	5411.0	4744.0	4423.8	4418.4	4423.8
22.5°	16665.2	15443.2	11627.8	8479.4	6803.8	5309.6	4349.1	4135.6	4071.6	4205.0	4221.0
25°	18378.2	16884.0	12316.1	8340.6	6227.4	4525.2	3932.8	3852.8	3847.5	4018.2	4023.6
27.5°	20133.8	18143.4	12727.0	7935.1	5640.5	4119.6	3682.0	3666.0	3751.4	3932.8	3916.8
30°	21329.1	19199.9	13468.8	7449.5	4946.7	3762.1	3580.6	3602.0	3719.4	3858.1	3879.5
32.5°	22721.9	20240.5	13660.9	7182.6	4519.8	3463.2	3335.2	3383.2	3532.6	3751.4	3868.8
35°	24317.4	20976.9	13954.4	6819.8	4359.7	3233.8	3169.8	3223.1	3404.5	3548.6	3676.7
37.5°	25496.8	22279.0	14007.7	6536.9	4183.6	3105.7	3004.3	3180.4	3287.2	3489.9	3554.0
40°	26371.9	23223.5	14146.5	6360.8	4044.9	2940.3	2940.3	3057.7	3201.8	3388.5	3516.6
42.5°	26932.2	23911.9	14247.9	6200.8	3778.1	2892.3	2865.6	2983.0	3175.1	3356.5	3415.2
44°	27273.7	24205.4	14146.5	6051.3	3703.4	2833.6	2833.6	2935.0	3084.4	3297.8	3367.2
45°	27359.1	24573.6	13922.4	6046.0	3612.7	2764.2	2753.5	2945.6	3047.0	3308.5	3351.2
47.5°	27690.0	25027.2	13949.0	5875.2	3393.9	2598.8	2785.5	2870.9	2961.6	3191.1	3335.2
50°	27679.3	25310.0	13890.3	5624.4	3233.8	2412.0	2721.5	2817.6	2908.3	3143.1	3201.8
52.5°	27754.0	26366.6	14429.3	5224.2	2945.6	2171.9	2508.1	2721.5	2833.6	3031.0	3153.7
55°	27716.7	26969.6	14962.9	4925.4	2540.1	2027.8	2326.6	2577.4	2737.5	2945.6	3004.3
57.5°	25315.3	23837.2	13847.7	4365.1	2102.5	1857.0	2070.5	2428.0	2630.8	2844.2	2918.9
60°	20683.4	18372.8	11419.6	3212.4	1729.0	1707.6	1926.4	2380.0	2465.4	2652.1	2780.2
62.5°	19114.6	16115.6	9055.7	2454.7	1478.2	1563.5	1777.0	2150.5	2283.9	2513.4	2630.8
65°	14957.6	10704.6	5608.4	1659.6	1302.1	1403.4	1606.2	1883.7	2102.5	2315.9	2454.7
67.5°	8858.2	5848.6	2774.9	1163.3	1136.6	1243.4	1451.5	1659.6	1910.4	2145.2	2214.6
70°	4824.0	2876.3	1184.7	885.8	965.9	1061.9	1264.7	1408.8	1648.9	1830.3	1947.7
72.5°	1547.5	875.2	592.3	656.4	736.4	848.5	971.2	1147.3	1318.1	1424.8	1520.8
75°	373.5	368.2	421.6	458.9	533.6	619.0	720.4	811.1	944.5	1045.9	1131.3
77.5°	261.5	282.8	325.5	378.9	405.6	437.6	501.6	571.0	629.7	704.4	757.8
80°	202.8	218.8	250.8	277.5	304.2	330.8	362.9	389.5	426.9	474.9	501.6
82.5°	192.1	202.8	234.8	250.8	240.1	234.8	256.1	266.8	272.2	288.2	304.2
85°	16.0	0.0	10.7	37.4	90.7	133.4	144.1	144.1	138.7	149.4	149.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	21.3	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3
2.5°	14429.3	14247.9	14317.2	14402.6	14279.9	13997.1	14071.8	14039.8	14327.9	14306.6	14594.7
5°	12097.4	11814.5	11846.5	12262.8	12129.4	12273.4	11985.3	11947.9	12001.3	12028.0	12076.0
7.5°	9258.5	9221.1	9541.3	9893.5	10058.9	9888.1	9605.3	9541.3	9482.6	9365.2	9632.0
10°	7556.2	7566.8	7545.5	7812.3	7999.1	7961.7	7791.0	7769.6	7657.6	7614.9	7764.3
12.5°	6745.1	6601.0	6531.6	6446.2	6590.3	6686.4	6611.7	6558.3	6563.6	6617.0	6638.3
15°	5960.6	5869.9	5720.5	5624.4	5693.8	5645.8	5619.1	5725.8	5699.1	5688.5	5816.5
17.5°	5080.1	5154.8	5144.2	5037.5	5128.2	5090.8	5085.5	5010.8	4909.4	4834.7	4877.4
20°	4498.5	4637.2	4744.0	4749.3	4797.3	4792.0	4711.9	4482.5	4407.8	4391.8	4402.4
22.5°	4290.4	4365.1	4493.1	4674.6	4674.6	4589.2	4493.1	4226.3	4157.0	4082.3	4050.2
25°	4124.9	4269.0	4434.5	4455.8	4541.2	4461.1	4306.4	4173.0	4028.9	3927.5	3927.5
27.5°	4039.6	4199.7	4322.4	4359.7	4477.1	4413.1	4253.0	4082.3	3911.5	3906.2	3815.4
30°	4002.2	4151.6	4231.7	4322.4	4375.8	4274.4	4226.3	4044.9	3874.1	3831.5	3682.0
32.5°	3890.1	4103.6	4253.0	4231.7	4274.4	4231.7	4162.3	4012.9	3820.8	3724.7	3708.7
35°	3762.1	3975.5	4135.6	4247.7	4274.4	4183.6	4141.0	3938.2	3676.7	3628.7	3463.2
37.5°	3692.7	3820.8	4018.2	4199.7	4237.0	4189.0	4044.9	3836.8	3575.3	3521.9	3377.9
40°	3607.3	3772.8	3927.5	4076.9	4189.0	4071.6	3906.2	3703.4	3586.0	3425.9	3383.2
42.5°	3543.3	3730.1	3858.1	4023.6	4151.6	3996.9	3804.8	3666.0	3500.6	3393.9	3271.1
44°	3521.9	3692.7	3778.1	3980.9	4087.6	3970.2	3810.1	3666.0	3473.9	3377.9	3271.1
45°	3447.2	3682.0	3772.8	3954.2	4044.9	3948.8	3746.1	3602.0	3463.2	3345.8	3233.8
47.5°	3372.5	3532.6	3687.4	3831.5	3895.5	3863.5	3692.7	3516.6	3351.2	3281.8	3175.1
50°	3351.2	3511.3	3655.4	3788.8	3863.5	3799.4	3644.7	3473.9	3281.8	3169.8	3079.0
52.5°	3244.5	3441.9	3602.0	3644.7	3740.7	3703.4	3586.0	3399.2	3217.8	3121.7	3047.0
55°	3089.7	3297.8	3516.6	3570.0	3708.7	3650.0	3473.9	3297.8	3143.1	2999.0	2902.9
57.5°	3031.0	3233.8	3447.2	3516.6	3602.0	3505.9	3463.2	3276.5	3031.0	2956.3	2806.9
60°	2881.6	3137.7	3313.8	3473.9	3479.3	3452.6	3377.9	3164.4	2961.6	2822.9	2716.2
62.5°	2764.2	3004.3	3143.1	3292.5	3383.2	3308.5	3233.8	3036.3	2817.6	2662.8	2540.1
65°	2593.4	2812.2	2929.6	3020.3	3121.7	3111.1	2983.0	2838.9	2609.4	2486.7	2369.3
67.5°	2332.0	2524.1	2684.2	2769.5	2833.6	2817.6	2721.5	2620.1	2385.3	2262.6	2177.2
70°	2017.1	2214.6	2315.9	2364.0	2428.0	2460.0	2385.3	2337.3	2129.2	1969.1	1889.0
72.5°	1622.2	1750.3	1899.7	1942.4	1969.1	1990.4	1990.4	1947.7	1734.3	1670.3	1531.5
75°	1195.3	1296.7	1408.8	1408.8	1456.8	1462.1	1472.8	1446.1	1286.0	1200.7	1168.6
77.5°	811.1	885.8	976.5	1013.9	1045.9	1040.6	1035.2	960.5	875.2	837.8	805.8
80°	528.3	603.0	645.7	693.7	725.7	720.4	731.1	677.7	640.4	576.3	587.0
82.5°	314.8	373.5	416.2	474.9	474.9	490.9	490.9	474.9	437.6	405.6	405.6
85°	149.4	197.4	224.1	261.5	282.8	288.2	256.1	218.8	181.4	165.4	181.4
87.5°	26.7	37.4	53.4	48.0	58.7	53.4	53.4	53.4	53.4	42.7	48.0
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: P532396

CATALOG NUMBER: GALN-SA7D-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3	16302.3
2.5°	14488.0	14754.8	14941.6	15251.1	15784.7	16211.6	16649.2	16974.7	17012.1	17108.1
5°	12252.1	12396.2	12871.1	13490.1	13927.7	14648.1	15112.4	15955.5	16270.3	16606.5
7.5°	9568.0	9802.8	10437.8	10854.0	11814.5	12716.4	13650.2	14690.8	15107.0	15155.0
10°	8068.5	8410.0	8842.2	9509.3	10032.2	11035.4	12198.7	13356.7	13821.0	13901.0
12.5°	7086.6	7524.2	8100.5	8580.7	9082.4	9957.5	11072.8	12502.9	13105.9	13468.8
15°	6142.1	6595.6	7230.7	7897.7	8340.6	9386.5	10699.2	12310.8	13095.2	13415.4
17.5°	5170.9	5592.4	6115.4	6835.8	7726.9	8900.9	10640.5	12951.2	13810.3	14183.8
20°	4338.4	4573.2	5181.5	5923.3	7038.6	8404.6	10661.9	13895.7	15155.0	15320.5
22.5°	4012.9	4066.2	4306.4	4989.4	6211.4	7897.7	11040.8	15235.1	16665.2	17209.5
25°	3762.1	3751.4	3815.4	4274.4	5608.4	7700.3	11414.3	16467.8	18340.8	18933.1
27.5°	3623.3	3516.6	3521.9	3954.2	5181.5	7380.1	11894.6	17881.9	20240.5	20502.0
30°	3554.0	3532.6	3468.6	3644.7	4717.3	6899.8	11974.6	19274.7	21361.1	21740.0
32.5°	3511.3	3303.2	3223.1	3287.2	4279.7	6376.9	12273.4	20192.5	22748.6	22583.1
35°	3297.8	3111.1	3057.7	3121.7	3970.2	6083.4	12076.0	20992.9	23789.1	24066.6
37.5°	3217.8	3052.4	2945.6	2892.3	3682.0	5837.9	11974.6	22225.6	24797.7	25464.7
40°	3143.1	2967.0	2838.9	2785.5	3457.9	5512.4	11942.6	23175.5	25961.0	26361.2
42.5°	3057.7	2945.6	2801.5	2705.5	3185.8	5186.9	11574.4	23469.0	26318.5	26750.8
44°	3031.0	2860.2	2710.8	2678.8	3079.0	5021.4	11499.7	23735.8	26628.0	27284.4
45°	3004.3	2844.2	2673.5	2630.8	3041.7	4930.7	11398.3	23799.8	27140.3	27263.1
47.5°	2929.6	2828.2	2662.8	2545.4	2961.6	4733.3	11094.1	23437.0	26617.4	26638.7
50°	2870.9	2753.5	2582.8	2353.3	2854.9	4567.9	11232.9	23303.5	25358.0	25406.0
52.5°	2806.9	2630.8	2534.7	2139.8	2678.8	4429.1	11526.4	23906.5	25502.1	25491.4
55°	2732.2	2540.1	2305.3	1958.4	2385.3	4253.0	12236.1	25096.5	26836.2	27017.6
57.5°	2614.8	2449.4	2113.2	1798.3	2049.1	3916.8	12006.6	22817.9	24691.0	24723.0
60°	2460.0	2305.3	1915.7	1675.6	1680.9	3089.7	10736.6	17780.5	19482.8	19947.0
62.5°	2310.6	2225.2	1750.3	1499.5	1430.1	2460.0	9077.0	14776.2	16723.9	17108.1
65°	2134.5	1926.4	1606.2	1366.1	1227.3	1723.6	6430.2	11040.8	13047.2	13564.8
67.5°	1910.4	1686.3	1414.1	1200.7	1051.2	1152.6	3319.2	6275.5	8308.6	8612.8
70°	1670.3	1462.1	1190.0	1013.9	848.5	795.1	1462.1	2993.7	4541.2	4856.0
72.5°	1371.4	1179.3	949.9	800.4	635.0	549.6	490.9	800.4	1611.6	1873.0
75°	992.5	859.1	715.1	571.0	448.2	352.2	288.2	240.1	266.8	288.2
77.5°	731.1	624.3	528.3	405.6	314.8	250.8	197.4	149.4	144.1	138.7
80°	571.0	506.9	421.6	325.5	245.5	186.8	138.7	101.4	90.7	90.7
82.5°	448.2	416.2	346.9	266.8	202.8	149.4	101.4	69.4	58.7	58.7
85°	170.8	170.8	250.8	218.8	154.8	106.7	69.4	37.4	32.0	32.0
87.5°	42.7	42.7	42.7	42.7	37.4	32.0	32.0	16.0	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)