

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: P531433

Luminaire Tested: **GALN-SA6D-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-727-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21209 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

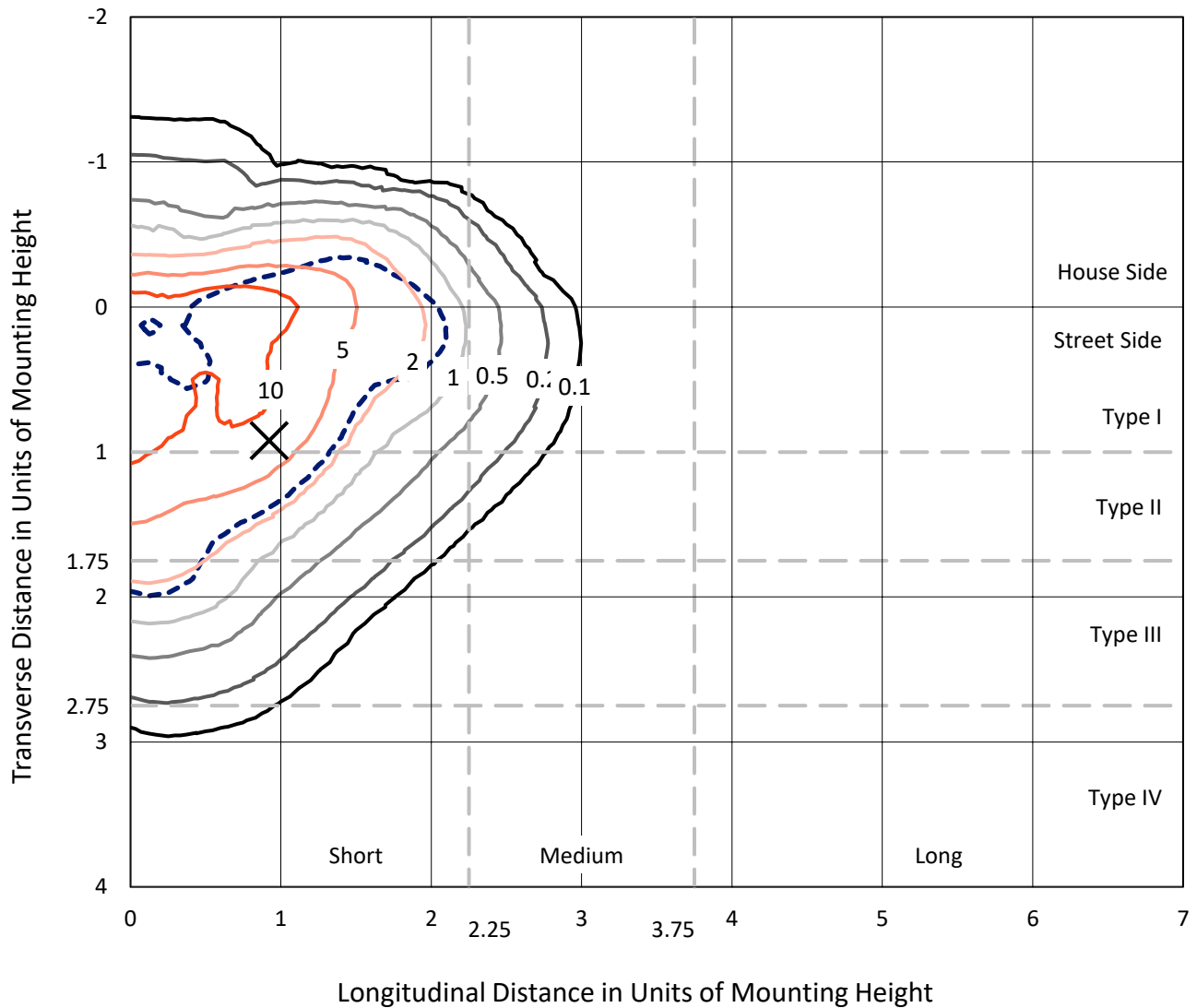
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531433
 CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

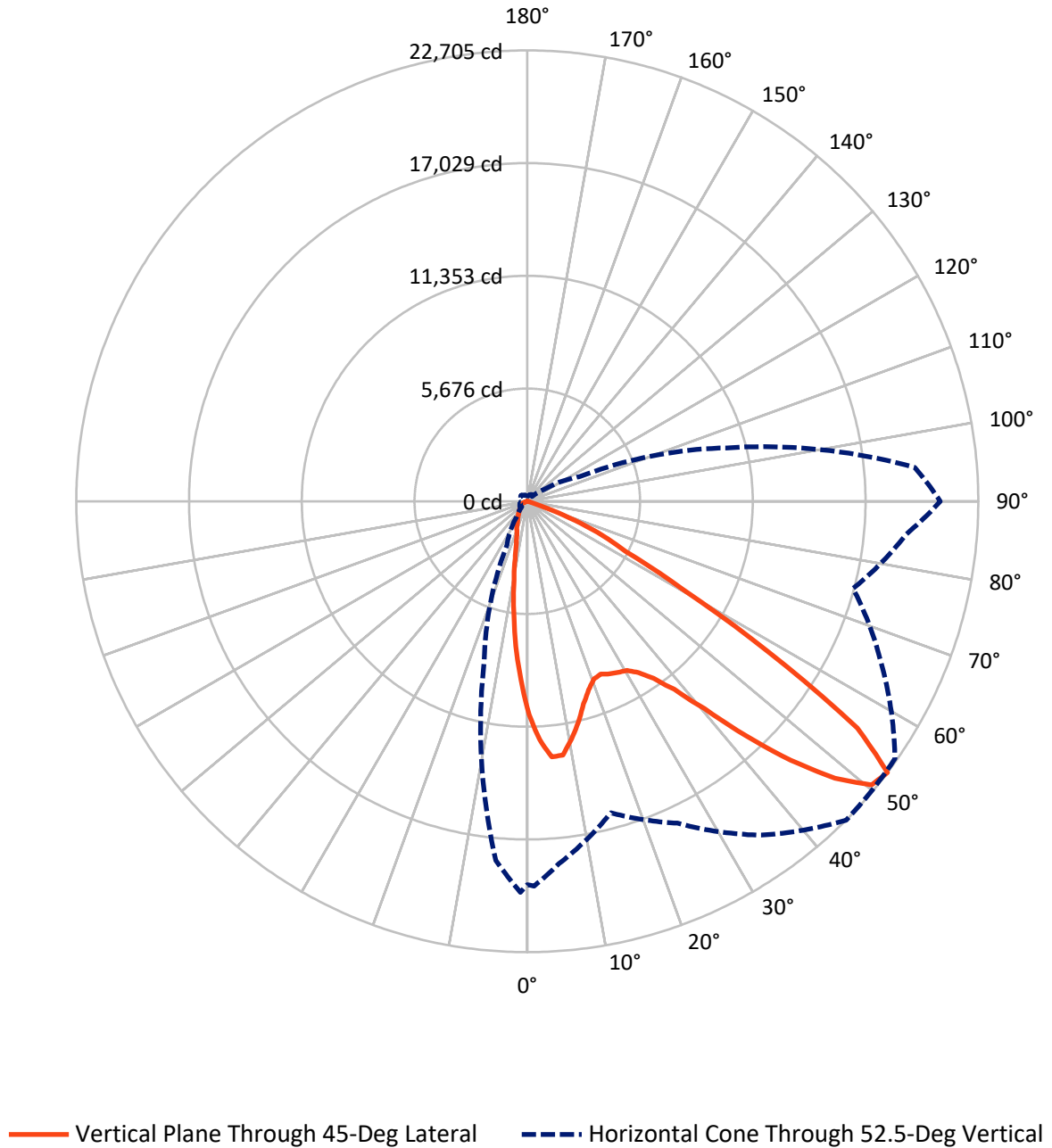
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 fc
 Type III - Short - N/A

REPORT NUMBER: P531433
CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P531433
 CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4304.4	0.0	4304.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16904.6	0.0	16904.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	21209.0	0.0	21209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.3	3.7
10°-20°	1547.3	7.3
20°-30°	2354.8	11.1
30°-40°	3519.5	16.6
40°-50°	5012.1	23.6
50°-60°	5387.8	25.4
60°-70°	2387.5	11.3
70°-80°	193.2	0.9
80°-90°	22.5	0.1
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°	21209.0	100.0
0°-180°	21209.0	100.0

Coefficient of Utilization



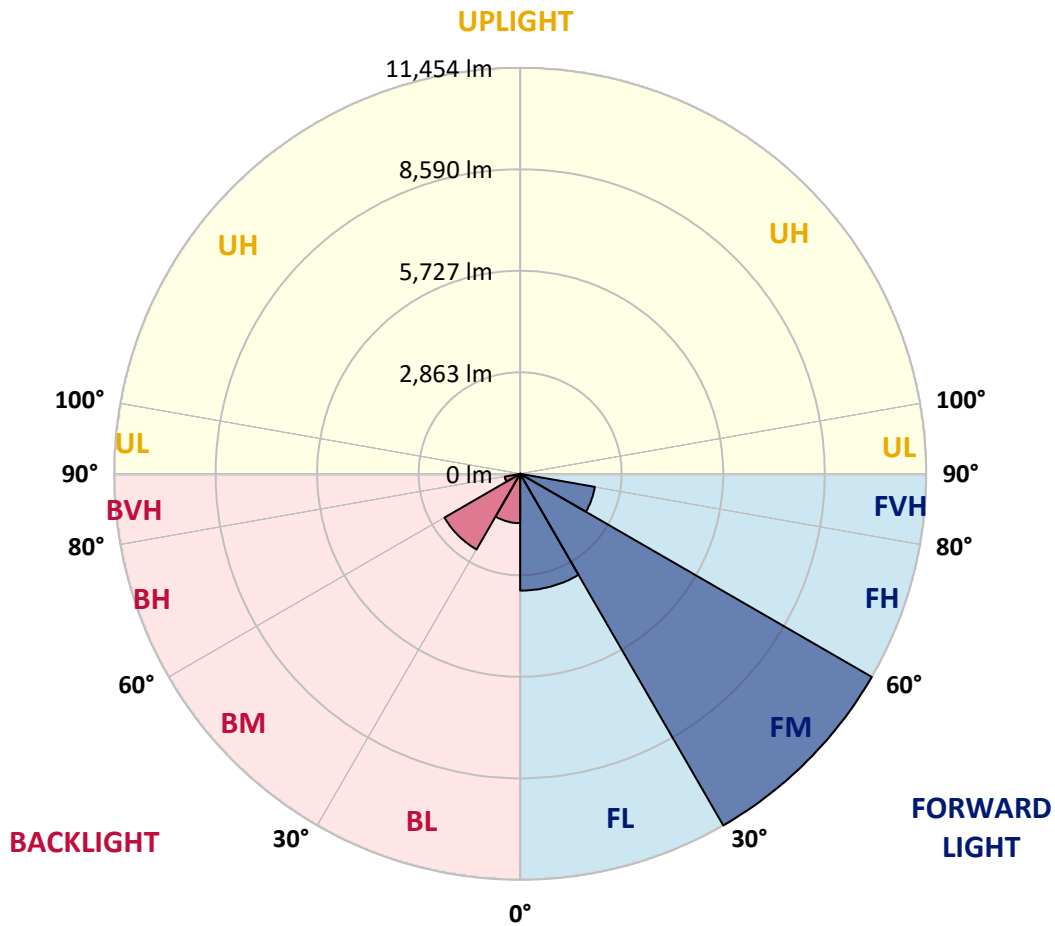
REPORT NUMBER: P531433
 CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3294.2	15.5			
FM (30°-60°)	11453.5	54.0			
FH (60°-80°)	2140.2	10.1			G2/5000
FVH (80°-90°)	16.7	0.1			G1/100
BL (0°-30°)	1392.2	6.6	B3/2500		
BM (30°-60°)	2465.9	11.6	B2/2500		
BH (60°-80°)	440.4	2.1	B1/500		G1/500
BVH (80°-90°)	5.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





REPORT NUMBER: P531433

CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9
2.5°	11379.7	11413.0	11596.6	11826.0	11947.0	12222.3	12030.4	12080.5	11976.2	11609.1	11321.3
5°	11033.4	11029.3	11262.9	11830.2	12368.3	12914.8	12931.4	12639.4	12126.3	11563.2	10758.1
7.5°	9990.6	10153.3	10395.2	11300.4	12297.4	12706.2	12902.2	12560.2	11771.8	10966.7	10094.9
10°	9202.2	9285.6	9694.4	10787.3	11517.3	12063.8	12184.7	11988.7	11383.8	10378.5	9402.4
12.5°	8747.5	8789.2	9268.9	10186.6	10958.3	11363.0	11421.4	11513.1	11079.3	10136.6	8964.4
15°	8751.7	8785.0	9431.6	10199.1	10503.7	10395.2	10587.1	10582.9	10770.6	10090.7	9331.5
17.5°	9381.5	9419.1	10003.1	10382.7	10249.2	9994.7	9982.2	10174.1	10570.4	10662.2	9886.3
20°	10466.1	10553.7	10983.4	10962.5	10211.7	9698.6	9556.7	9702.7	10624.6	11146.1	11004.2
22.5°	11926.1	12047.1	12347.4	11771.8	10382.7	9498.3	9452.5	9736.1	10983.4	12226.5	12272.3
25°	13619.7	13824.1	13970.1	13231.8	10991.7	9844.6	9627.7	10115.7	11467.3	13398.6	13886.7
27.5°	14741.8	14954.6	14921.2	13865.8	11400.5	9936.3	9752.8	10207.5	11888.6	13678.1	14729.3
30°	15617.8	15747.2	15980.8	14207.9	11809.3	10195.0	9882.1	10595.4	12026.2	14162.0	15747.2
32.5°	16639.8	16727.4	16744.1	14812.8	12439.2	10520.3	10282.6	11079.3	12635.3	14625.0	16648.2
35°	17670.2	17799.5	17528.4	15559.4	12827.2	11125.2	10950.0	11917.8	13123.3	15104.8	17641.0
37.5°	18788.1	18854.9	18229.2	15868.1	13382.0	12109.7	12013.7	12823.0	13970.1	15972.4	18742.2
40°	19726.7	19789.3	18975.8	16247.7	13966.0	13486.2	13732.4	14550.0	15121.4	16535.6	19292.9
42.5°	20248.1	20394.1	19226.1	16039.2	15138.1	15046.4	16139.3	16427.1	16456.3	16694.1	19785.1
45°	20390.0	20323.2	18813.2	16210.2	16164.3	17611.8	18604.6	18984.2	17782.8	16986.1	19910.2
47.5°	19735.0	19822.6	18204.1	16060.0	17511.7	19555.7	20840.5	21545.4	18771.4	16731.6	19601.6
50°	19205.3	19092.6	18008.1	15951.6	17874.6	20473.4	22454.8	22613.3	19680.8	17044.5	19263.7
52.5°	19309.6	19380.5	18320.9	16239.4	17882.9	20527.6	22705.1	22596.6	19710.0	16973.6	19142.7
55°	19530.6	19217.8	18187.4	15605.3	16685.7	19013.4	20152.2	19985.3	18191.6	16218.5	18846.5
57.5°	16852.6	17336.5	16723.3	13932.6	13694.8	14324.7	14303.8	14816.9	13569.7	13957.6	17157.1
60°	13678.1	13761.6	13991.0	11917.8	9477.5	9260.6	8960.2	8634.9	9131.3	11934.5	15605.3
62.5°	12030.4	11930.3	12747.9	10841.5	6691.0	5602.2	5552.2	5752.4	7045.5	11383.8	14637.6
65°	8743.3	8868.5	9460.8	8413.8	5022.4	4275.7	4200.6	4793.0	5702.3	9122.9	11171.1
67.5°	5339.4	5581.4	5635.6	5189.3	3408.1	2707.3	2598.8	3136.9	4117.2	5902.6	6549.1
70°	2465.3	2757.3	3032.6	2832.4	1973.1	1113.8	1051.2	1318.2	2077.4	3395.5	3474.8
72.5°	746.7	750.9	1051.2	1097.1	638.2	250.3	221.1	292.0	705.0	1122.1	1180.5
75°	54.2	58.4	141.8	162.7	121.0	62.6	66.7	79.3	150.2	250.3	187.7
77.5°	4.2	4.2	4.2	20.9	37.5	41.7	54.2	62.6	79.3	91.8	83.4
80°	4.2	0.0	4.2	16.7	29.2	41.7	50.1	58.4	62.6	70.9	62.6
82.5°	0.0	0.0	0.0	12.5	29.2	41.7	45.9	62.6	70.9	83.4	70.9
85°	0.0	0.0	0.0	12.5	29.2	45.9	41.7	20.9	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P531433

CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9
2.5°	11371.3	11208.6	10837.4	10649.7	10207.5	10144.9	9711.1	9640.2	9494.2	9414.9	9223.0
5°	10403.5	10207.5	9602.6	9093.7	8501.4	8088.4	7771.4	7483.5	7316.7	7162.3	7233.3
7.5°	9615.1	9043.7	8372.1	7521.1	6837.0	6394.8	5910.9	5514.6	5281.0	5122.5	5160.1
10°	8789.2	8417.9	7483.5	6528.3	5702.3	5389.5	5009.9	4705.4	4375.8	4092.2	3958.7
12.5°	8530.6	7979.9	6807.8	5835.8	5210.1	4905.6	4471.8	4121.4	3700.1	3353.8	3232.9
15°	8576.5	8046.7	6624.2	5585.5	4847.2	4321.6	3804.3	3370.5	2907.5	2665.5	2540.4
17.5°	9323.1	8405.4	6745.2	5322.7	4342.5	3612.5	2974.2	2423.6	2077.4	1827.1	1772.9
20°	10240.9	9181.3	7003.8	5130.9	3929.5	2874.1	2173.3	1697.8	1409.9	1368.2	1355.7
22.5°	11584.1	10449.4	7558.6	5001.5	3424.7	2240.1	1489.2	1234.7	1155.5	1147.1	1151.3
25°	13461.2	12038.7	8163.5	4893.1	3045.1	1727.0	1218.1	1047.0	1022.0	1009.5	1030.3
27.5°	14274.6	12998.2	8484.7	4659.5	2698.9	1555.9	1201.4	1038.7	967.8	946.9	959.4
30°	15280.0	13636.4	8989.4	4259.0	2190.0	1280.6	1122.1	1130.5	1097.1	992.8	959.4
32.5°	16614.8	14433.2	9243.9	3975.4	1956.4	1059.5	821.8	755.0	842.6	859.3	888.5
35°	17470.0	15242.4	9373.2	3808.5	1835.4	905.2	696.6	634.1	613.2	617.4	634.1
37.5°	19059.3	16335.3	9535.9	3633.3	1743.7	788.4	629.9	571.5	542.3	542.3	559.0
40°	20010.4	17203.0	9757.0	3537.4	1651.9	717.5	571.5	521.4	496.4	496.4	504.7
42.5°	20248.1	17632.6	9681.9	3504.0	1547.6	700.8	521.4	483.9	454.7	450.5	446.3
45°	20673.6	18287.6	9694.4	3466.5	1439.1	638.2	492.2	450.5	408.8	404.6	400.5
47.5°	21140.8	18758.9	9719.4	3320.5	1334.9	533.9	513.1	417.1	367.1	358.7	358.7
50°	20740.4	19134.4	9936.3	3174.5	1201.4	433.8	504.7	392.1	325.4	312.9	317.0
52.5°	20790.4	19576.5	10395.2	2970.1	1034.5	346.2	408.8	371.3	296.2	275.3	279.5
55°	19989.5	19109.3	10457.8	2753.1	809.3	267.0	312.9	325.4	250.3	241.9	241.9
57.5°	17207.2	16181.0	9227.2	2231.7	533.9	221.1	225.3	283.7	216.9	208.6	212.7
60°	14725.2	12989.8	7425.1	1472.5	333.7	175.2	162.7	287.8	191.9	187.7	200.2
62.5°	13423.7	10674.7	5631.4	913.5	229.4	133.5	112.6	233.6	166.9	166.9	183.5
65°	9698.6	7170.7	3274.6	479.7	162.7	104.3	83.4	133.5	137.7	141.8	150.2
67.5°	6006.9	3620.8	1380.7	233.6	108.5	70.9	54.2	83.4	91.8	91.8	100.1
70°	2965.9	1443.3	458.9	133.5	83.4	58.4	37.5	45.9	45.9	41.7	45.9
72.5°	917.7	433.8	116.8	83.4	58.4	37.5	20.9	16.7	8.3	0.0	4.2
75°	104.3	83.4	75.1	58.4	37.5	16.7	4.2	0.0	0.0	0.0	0.0
77.5°	62.6	70.9	70.9	58.4	37.5	12.5	0.0	0.0	0.0	0.0	0.0
80°	50.1	54.2	58.4	54.2	33.4	16.7	0.0	0.0	0.0	0.0	0.0
82.5°	62.6	70.9	79.3	70.9	45.9	20.9	8.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	12.5	4.2	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P531433

CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9
2.5°	9143.8	9052.0	9181.3	8989.4	8985.3	8989.4	8935.2	8885.1	8964.4	9177.1	9198.0
5°	6978.8	7174.9	7237.4	7441.8	7329.2	7162.3	7195.7	7083.1	7358.4	7479.4	7383.4
7.5°	5080.8	5068.3	5489.6	5514.6	5568.9	5573.0	5564.7	5343.6	5118.3	5168.4	5318.6
10°	3942.0	3729.3	3933.7	3912.8	4046.3	4008.7	4063.0	3825.2	3904.5	3904.5	4000.4
12.5°	3212.0	2986.7	2949.2	2895.0	2949.2	2970.1	2990.9	2945.0	3078.5	3141.1	3207.8
15°	2452.8	2327.7	2294.3	2190.0	2206.7	2265.1	2315.1	2336.0	2294.3	2390.2	2398.6
17.5°	1781.2	1777.0	1797.9	1793.7	1777.0	1764.5	1760.3	1706.1	1689.4	1697.8	1731.1
20°	1351.5	1384.9	1455.8	1526.7	1564.3	1518.4	1455.8	1364.1	1326.5	1334.9	1339.0
22.5°	1155.5	1205.5	1301.5	1380.7	1418.3	1334.9	1222.2	1143.0	1126.3	1122.1	1117.9
25°	1047.0	1105.4	1176.3	1201.4	1197.2	1147.1	1063.7	1030.3	1022.0	1013.7	976.1
27.5°	988.6	1009.5	1022.0	1051.2	1063.7	1030.3	1009.5	959.4	951.1	951.1	926.1
30°	955.3	942.7	959.4	938.6	955.3	930.2	934.4	934.4	913.5	921.9	921.9
32.5°	888.5	892.7	892.7	851.0	863.5	834.3	863.5	888.5	892.7	896.9	930.2
35°	650.7	725.8	763.4	763.4	775.9	755.0	750.9	721.7	684.1	646.6	629.9
37.5°	571.5	600.7	650.7	679.9	700.8	684.1	646.6	600.7	579.8	563.1	546.5
40°	508.9	533.9	567.3	600.7	642.4	621.5	563.1	542.3	517.3	517.3	500.6
42.5°	458.9	471.4	492.2	542.3	588.2	546.5	504.7	488.1	475.5	471.4	467.2
45°	413.0	417.1	438.0	479.7	533.9	492.2	450.5	429.7	433.8	438.0	433.8
47.5°	371.3	379.6	392.1	442.2	475.5	454.7	408.8	396.3	396.3	396.3	400.5
50°	321.2	342.1	367.1	408.8	433.8	421.3	383.8	367.1	358.7	358.7	362.9
52.5°	287.8	304.5	337.9	387.9	421.3	400.5	362.9	337.9	321.2	317.0	325.4
55°	250.3	279.5	333.7	371.3	417.1	396.3	354.6	325.4	296.2	292.0	292.0
57.5°	225.3	271.1	321.2	367.1	404.6	387.9	354.6	317.0	279.5	275.3	275.3
60°	212.7	262.8	312.9	354.6	404.6	379.6	350.4	308.7	267.0	267.0	262.8
62.5°	200.2	246.1	296.2	337.9	387.9	367.1	337.9	296.2	254.5	254.5	246.1
65°	166.9	212.7	246.1	283.7	337.9	317.0	287.8	258.6	225.3	216.9	221.1
67.5°	116.8	146.0	179.4	216.9	250.3	241.9	229.4	208.6	179.4	175.2	171.0
70°	58.4	79.3	108.5	146.0	175.2	166.9	158.5	141.8	125.1	121.0	121.0
72.5°	8.3	25.0	45.9	66.7	91.8	95.9	91.8	87.6	83.4	79.3	83.4
75°	0.0	0.0	0.0	16.7	37.5	45.9	54.2	62.6	62.6	54.2	66.7
77.5°	0.0	0.0	0.0	0.0	4.2	20.9	41.7	54.2	66.7	58.4	79.3
80°	0.0	0.0	0.0	0.0	4.2	25.0	41.7	58.4	66.7	58.4	83.4
82.5°	0.0	0.0	0.0	0.0	4.2	29.2	41.7	54.2	62.6	58.4	75.1
85°	0.0	0.0	0.0	0.0	12.5	25.0	16.7	8.3	4.2	4.2	12.5
87.5°	0.0	0.0	0.0	0.0	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: P531433

CATALOG NUMBER: GALN-SA6D-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9	10753.9
2.5°	9314.8	9611.0	9928.0	10049.0	10424.4	10708.1	10899.9	11312.9	11375.5	11379.7
5°	7483.5	7633.7	8176.0	8430.5	8989.4	9423.3	9886.3	10553.7	11000.1	11033.4
7.5°	5318.6	5735.7	5965.1	6628.4	7316.7	7996.6	8684.9	9460.8	9978.1	9990.6
10°	4279.9	4551.0	4959.8	5456.2	6036.1	6728.5	7646.2	8547.3	9072.9	9202.2
12.5°	3445.6	3921.1	4388.3	4901.4	5343.6	5865.0	6853.7	8055.0	8488.9	8747.5
15°	2653.0	3086.9	3637.5	4238.2	4738.7	5435.4	6561.7	7934.1	8664.1	8751.7
17.5°	1956.4	2344.3	2853.3	3420.6	4171.4	5160.1	6611.7	8547.3	9235.5	9381.5
20°	1405.8	1631.0	2031.5	2690.6	3645.8	4838.9	6661.8	9168.8	10215.8	10466.1
22.5°	1113.8	1205.5	1468.3	2052.3	3057.7	4501.0	7016.3	10357.7	11563.2	11926.1
25°	967.8	1017.8	1143.0	1618.5	2686.4	4467.6	7583.7	11784.3	13356.9	13619.7
27.5°	934.4	942.7	1051.2	1485.0	2486.2	4246.5	7800.6	12797.9	14474.9	14741.8
30°	984.5	1117.9	1126.3	1255.6	2114.9	3808.5	7913.2	13778.2	15421.8	15617.8
32.5°	851.0	809.3	838.5	971.9	1860.5	3554.1	8125.9	14633.4	16502.2	16639.8
35°	592.3	621.5	688.3	842.6	1626.9	3287.1	8180.2	15576.1	17528.4	17670.2
37.5°	546.5	563.1	617.4	717.5	1430.8	3136.9	8105.1	16264.4	18592.1	18788.1
40°	508.9	529.8	559.0	650.7	1284.8	2970.1	8000.8	16886.0	19242.8	19726.7
42.5°	479.7	496.4	521.4	621.5	1159.7	2803.2	7854.8	17762.0	19826.8	20248.1
45°	446.3	471.4	500.6	604.9	1088.7	2690.6	7746.3	17707.7	20164.7	20390.0
47.5°	413.0	454.7	488.1	563.1	1067.9	2636.3	7792.2	17503.3	19889.4	19735.0
50°	379.6	433.8	492.2	467.2	1017.8	2527.9	7846.5	17782.8	19234.5	19205.3
52.5°	350.4	413.0	458.9	383.8	905.2	2423.6	8372.1	18149.9	19697.5	19309.6
55°	308.7	371.3	367.1	308.7	734.2	2344.3	8785.0	18158.2	19384.6	19530.6
57.5°	279.5	329.5	287.8	258.6	542.3	1960.6	8113.4	15225.7	16594.0	16852.6
60°	258.6	321.2	216.9	204.4	354.6	1414.1	7083.1	11792.6	13190.1	13678.1
62.5°	237.8	304.5	171.0	166.9	246.1	1005.3	5823.3	9869.6	11367.1	12030.4
65°	208.6	216.9	137.7	129.3	175.2	542.3	3545.7	6795.3	8497.2	8743.3
67.5°	171.0	166.9	112.6	104.3	116.8	262.8	1564.3	3403.9	4926.5	5339.4
70°	137.7	137.7	95.9	83.4	83.4	121.0	408.8	1355.7	2227.5	2465.3
72.5°	100.1	104.3	75.1	66.7	62.6	58.4	66.7	271.1	584.0	746.7
75°	87.6	91.8	75.1	58.4	45.9	37.5	29.2	25.0	33.4	54.2
77.5°	95.9	95.9	79.3	54.2	41.7	29.2	16.7	8.3	8.3	4.2
80°	121.0	125.1	104.3	70.9	50.1	33.4	20.9	8.3	4.2	4.2
82.5°	129.3	141.8	116.8	87.6	62.6	37.5	20.9	4.2	0.0	0.0
85°	33.4	54.2	91.8	79.3	62.6	37.5	20.9	4.2	0.0	0.0
87.5°	0.0	4.2	12.5	12.5	16.7	16.7	12.5	4.2	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

(END OF REPORT)