

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: P531199

Luminaire Tested: **GALN-SA6C-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531199
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-SA6C-727-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA 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: 19275 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

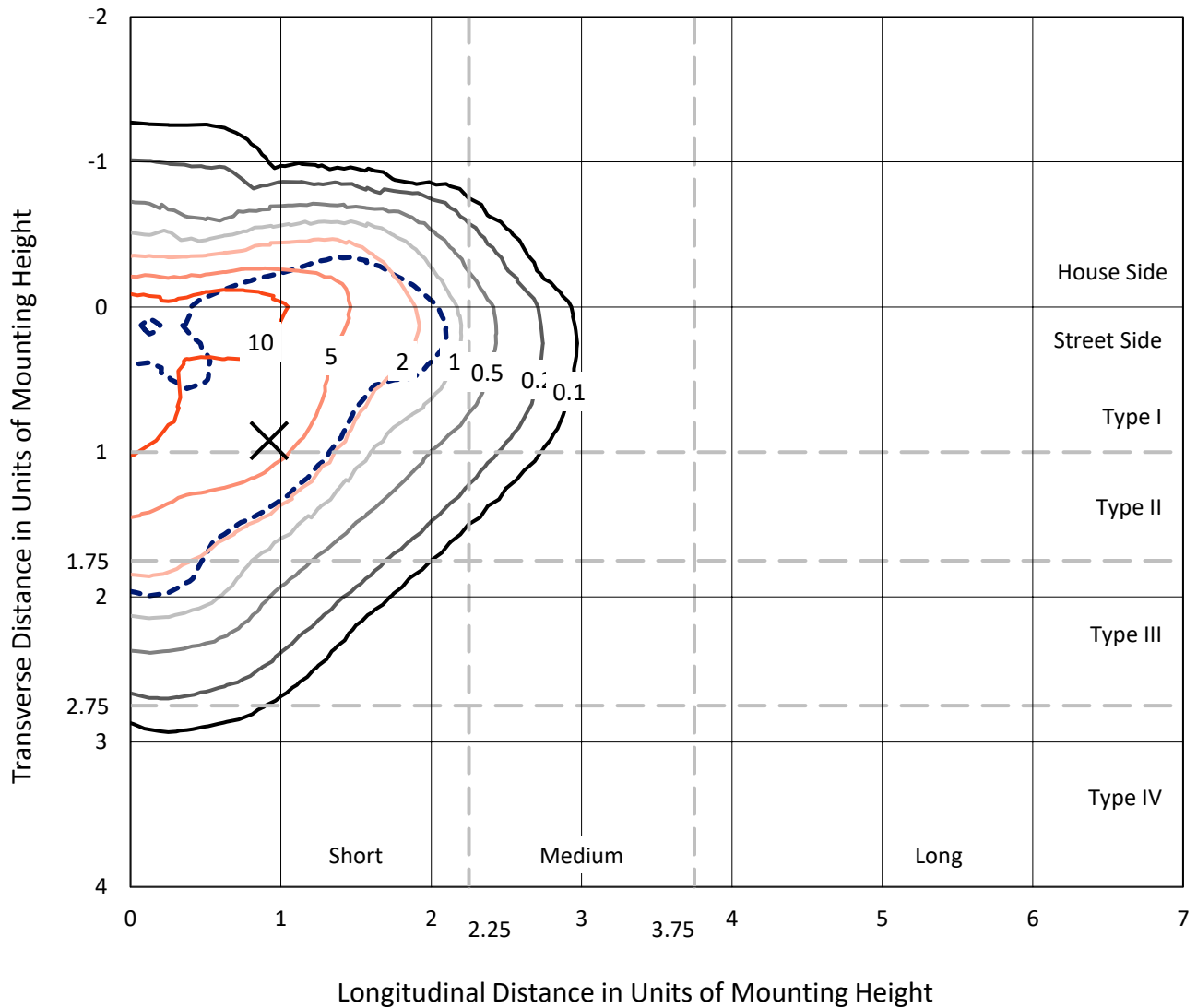
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

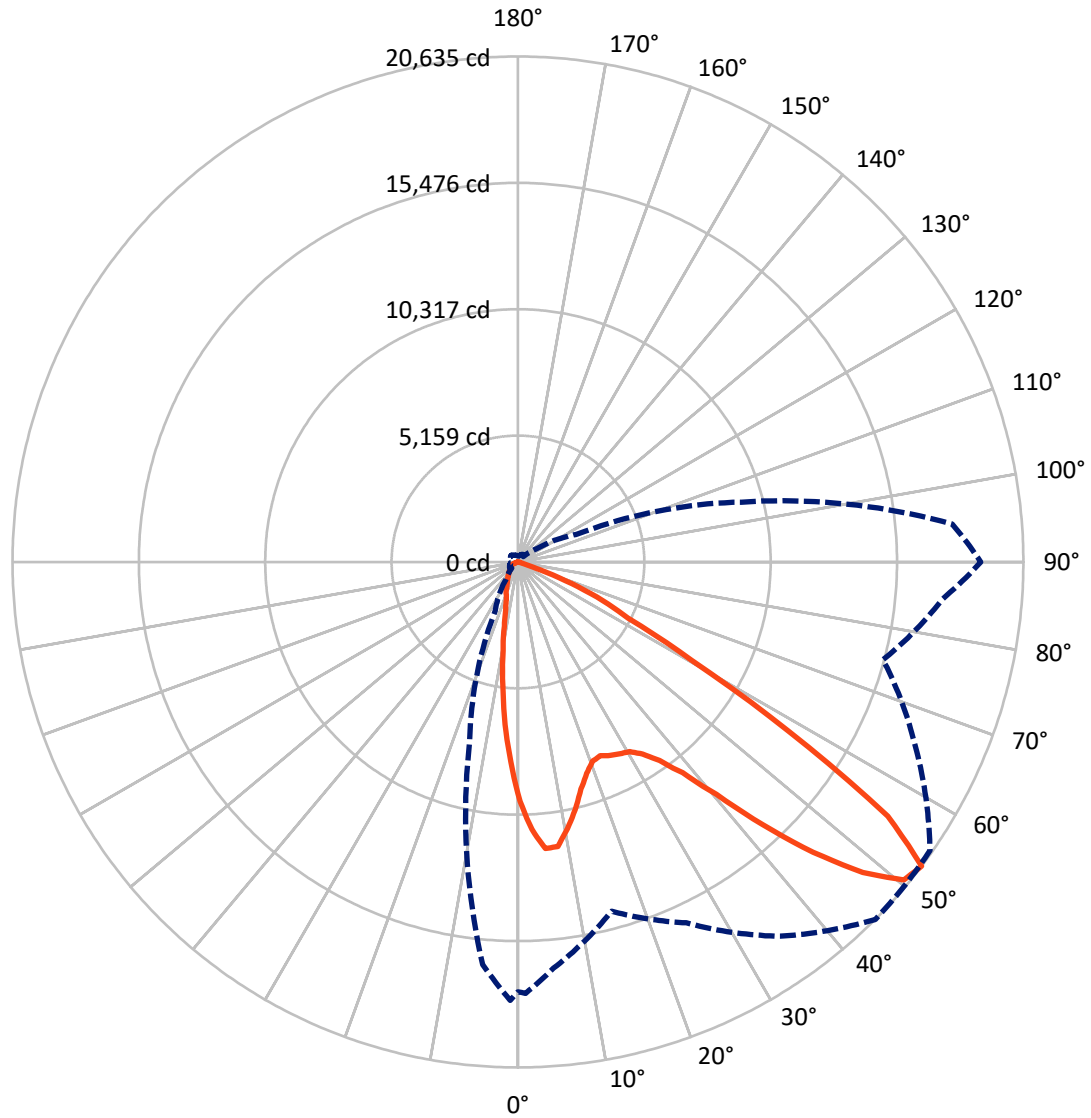
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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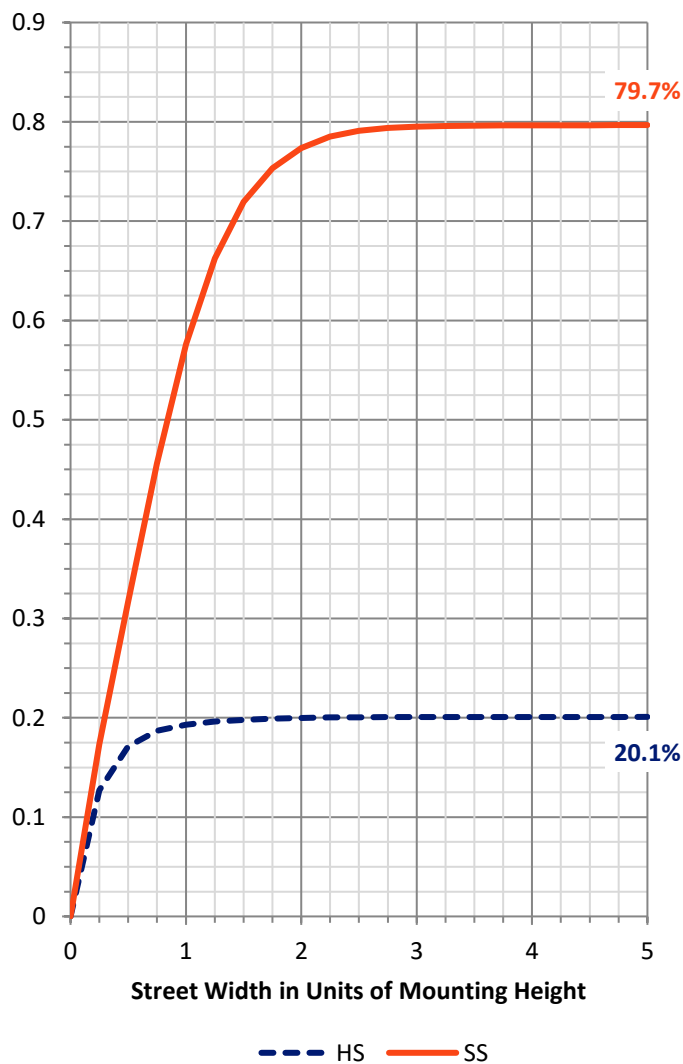
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3911.9	0.0	3911.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	15363.1	0.0	15363.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	19275.0	0.0	19275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.8	3.7
10°-20°	1406.2	7.3
20°-30°	2140.1	11.1
30°-40°	3198.6	16.6
40°-50°	4555.1	23.6
50°-60°	4896.5	25.4
60°-70°	2169.8	11.3
70°-80°	175.6	0.9
80°-90°	20.5	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°	19275.0	100.0
0°-180°	19275.0	100.0

Coefficient of Utilization



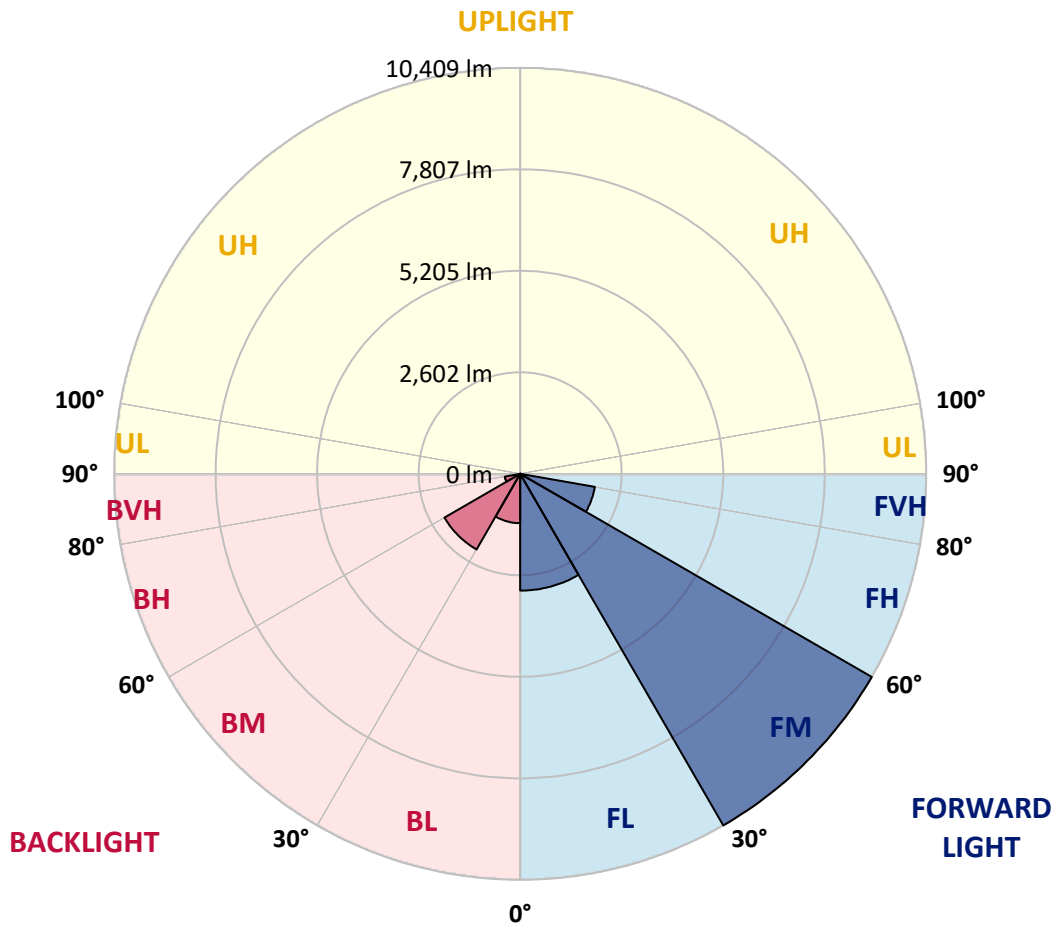
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2993.8	15.5			
FM (30°-60°)	10409.1	54.0			
FH (60°-80°)	1945.1	10.1			G2/5000
FVH (80°-90°)	15.2	0.1			G1/100
BL (0°-30°)	1265.3	6.6	B3/2500		
BM (30°-60°)	2241.1	11.6	B2/2500		
BH (60°-80°)	400.2	2.1	B1/500		G1/500
BVH (80°-90°)	5.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3
2.5°	10342.0	10372.3	10539.1	10747.6	10857.6	11107.8	10933.4	10978.9	10884.1	10550.5	10288.9
5°	10027.3	10023.5	10235.8	10751.4	11240.5	11737.1	11752.2	11486.9	11020.6	10508.8	9777.1
7.5°	9079.6	9227.4	9447.3	10269.9	11176.0	11547.5	11725.7	11414.8	10698.3	9966.7	9174.3
10°	8363.1	8438.9	8810.4	9803.6	10467.1	10963.7	11073.7	10895.5	10345.8	9432.1	8545.0
12.5°	7949.8	7987.7	8423.7	9257.7	9959.1	10326.8	10379.9	10463.3	10069.0	9212.2	8147.0
15°	7953.6	7983.9	8571.6	9269.1	9545.9	9447.3	9621.7	9617.9	9788.5	9170.5	8480.6
17.5°	8526.1	8560.2	9090.9	9435.9	9314.6	9083.4	9072.0	9246.4	9606.5	9689.9	8984.8
20°	9511.7	9591.4	9981.8	9962.9	9280.5	8814.2	8685.3	8818.0	9655.8	10129.7	10000.8
22.5°	10838.6	10948.5	11221.5	10698.3	9435.9	8632.2	8590.5	8848.3	9981.8	11111.6	11153.3
25°	12377.8	12563.5	12696.2	12025.2	9989.4	8946.9	8749.7	9193.3	10421.6	12176.8	12620.4
27.5°	13397.6	13590.9	13560.6	12601.4	10360.9	9030.3	8863.5	9276.7	10804.5	12430.8	13386.2
30°	14193.7	14311.2	14523.5	12912.3	10732.5	9265.3	8981.0	9629.3	10929.6	12870.6	14311.2
32.5°	15122.5	15202.1	15217.3	13462.0	11304.9	9561.0	9344.9	10069.0	11483.1	13291.4	15130.1
35°	16058.9	16176.4	15930.0	14140.6	11657.5	10110.7	9951.5	10831.0	11926.6	13727.4	16032.3
37.5°	17074.9	17135.5	16566.9	14421.1	12161.7	11005.4	10918.2	11653.7	12696.2	14515.9	17033.2
40°	17927.9	17984.7	17245.5	14766.1	12692.4	12256.5	12480.1	13223.2	13742.5	15027.7	17533.6
42.5°	18401.7	18534.4	17472.9	14576.6	13757.7	13674.3	14667.6	14929.1	14955.7	15171.8	17980.9
45°	18530.6	18470.0	17097.6	14732.0	14690.3	16005.8	16908.1	17253.1	16161.2	15437.1	18094.7
47.5°	17935.4	18015.1	16544.1	14595.5	15914.8	17772.4	18940.1	19580.8	17059.7	15205.9	17814.1
50°	17454.0	17351.6	16366.0	14497.0	16244.6	18606.5	20407.2	20551.3	17886.2	15490.2	17507.1
52.5°	17548.8	17613.2	16650.3	14758.5	16252.2	18655.7	20634.7	20536.1	17912.7	15425.8	17397.1
55°	17749.7	17465.4	16529.0	14182.3	15164.2	17279.6	18314.6	18162.9	16532.8	14739.6	17128.0
57.5°	15315.8	15755.6	15198.3	12662.1	12446.0	13018.5	12999.5	13465.8	12332.3	12684.8	15592.6
60°	12430.8	12506.7	12715.2	10831.0	8613.3	8416.1	8143.2	7847.5	8298.6	10846.2	14182.3
62.5°	10933.4	10842.4	11585.4	9852.9	6080.8	5091.4	5045.9	5227.9	6403.1	10345.8	13302.8
65°	7946.0	8059.8	8598.1	7646.5	4564.4	3885.8	3817.6	4355.9	5182.4	8291.0	10152.4
67.5°	4852.5	5072.4	5121.7	4716.1	3097.3	2460.4	2361.8	2850.9	3741.8	5364.3	5951.9
70°	2240.5	2505.9	2756.1	2574.1	1793.2	1012.2	955.3	1198.0	1887.9	3085.9	3157.9
72.5°	678.6	682.4	955.3	997.0	580.0	227.5	200.9	265.4	640.7	1019.8	1072.9
75°	49.3	53.1	128.9	147.9	109.9	56.9	60.7	72.0	136.5	227.5	170.6
77.5°	3.8	3.8	3.8	19.0	34.1	37.9	49.3	56.9	72.0	83.4	75.8
80°	3.8	0.0	3.8	15.2	26.5	37.9	45.5	53.1	56.9	64.4	56.9
82.5°	0.0	0.0	0.0	11.4	26.5	37.9	41.7	56.9	64.4	75.8	64.4
85°	0.0	0.0	0.0	11.4	26.5	41.7	37.9	19.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3
2.5°	10334.4	10186.5	9849.1	9678.5	9276.7	9219.8	8825.6	8761.1	8628.4	8556.4	8382.0
5°	9454.9	9276.7	8727.0	8264.5	7726.2	7350.8	7062.7	6801.1	6649.5	6509.2	6573.7
7.5°	8738.4	8219.0	7608.6	6835.3	6213.5	5811.7	5371.9	5011.8	4799.5	4655.4	4689.5
10°	7987.7	7650.3	6801.1	5933.0	5182.4	4898.0	4553.0	4276.3	3976.8	3719.0	3597.7
12.5°	7752.7	7252.3	6187.0	5303.7	4735.0	4458.3	4064.0	3745.6	3362.7	3048.0	2938.1
15°	7794.4	7312.9	6020.2	5076.2	4405.2	3927.5	3457.4	3063.2	2642.4	2422.5	2308.7
17.5°	8473.0	7639.0	6130.1	4837.4	3946.5	3283.0	2703.0	2202.6	1887.9	1660.5	1611.2
20°	9307.0	8344.1	6365.2	4663.0	3571.2	2612.0	1975.1	1543.0	1281.4	1243.5	1232.1
22.5°	10527.7	9496.6	6869.4	4545.5	3112.5	2035.8	1353.4	1122.2	1050.1	1042.5	1046.3
25°	12233.7	10941.0	7419.1	4446.9	2767.5	1569.5	1107.0	951.6	928.8	917.4	936.4
27.5°	12973.0	11812.9	7711.0	4234.6	2452.8	1414.1	1091.8	944.0	879.5	860.6	871.9
30°	13886.6	12392.9	8169.7	3870.7	1990.3	1163.9	1019.8	1027.4	997.0	902.3	871.9
32.5°	15099.7	13117.0	8401.0	3612.9	1778.0	962.9	746.8	686.2	765.8	781.0	807.5
35°	15876.9	13852.5	8518.5	3461.2	1668.1	822.7	633.1	576.2	557.3	561.1	576.2
37.5°	17321.3	14845.7	8666.3	3302.0	1584.7	716.5	572.4	519.4	492.8	492.8	508.0
40°	18185.7	15634.3	8867.3	3214.8	1501.3	652.1	519.4	473.9	451.1	451.1	458.7
42.5°	18401.7	16024.8	8799.0	3184.5	1406.5	636.9	473.9	439.8	413.2	409.4	405.6
45°	18788.4	16620.0	8810.4	3150.4	1307.9	580.0	447.3	409.4	371.5	367.7	363.9
47.5°	19213.0	17048.3	8833.1	3017.7	1213.1	485.3	466.3	379.1	333.6	326.0	326.0
50°	18849.1	17389.5	9030.3	2885.0	1091.8	394.3	458.7	356.4	295.7	284.3	288.1
52.5°	18894.6	17791.4	9447.3	2699.2	940.2	314.7	371.5	337.4	269.2	250.2	254.0
55°	18166.7	17366.8	9504.2	2502.1	735.5	242.6	284.3	295.7	227.5	219.9	219.9
57.5°	15638.1	14705.5	8385.8	2028.2	485.3	200.9	204.7	257.8	197.1	189.6	193.3
60°	13382.4	11805.3	6748.1	1338.2	303.3	159.2	147.9	261.6	174.4	170.6	182.0
62.5°	12199.6	9701.3	5117.9	830.2	208.5	121.3	102.4	212.3	151.6	151.6	166.8
65°	8814.2	6516.8	2976.0	436.0	147.9	94.8	75.8	121.3	125.1	128.9	136.5
67.5°	5459.1	3290.6	1254.8	212.3	98.6	64.4	49.3	75.8	83.4	83.4	91.0
70°	2695.4	1311.7	417.0	121.3	75.8	53.1	34.1	41.7	41.7	37.9	41.7
72.5°	834.0	394.3	106.1	75.8	53.1	34.1	19.0	15.2	7.6	0.0	3.8
75°	94.8	75.8	68.2	53.1	34.1	15.2	3.8	0.0	0.0	0.0	0.0
77.5°	56.9	64.4	64.4	53.1	34.1	11.4	0.0	0.0	0.0	0.0	0.0
80°	45.5	49.3	53.1	49.3	30.3	15.2	0.0	0.0	0.0	0.0	0.0
82.5°	56.9	64.4	72.0	64.4	41.7	19.0	7.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	11.4	3.8	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3
2.5°	8310.0	8226.6	8344.1	8169.7	8165.9	8169.7	8120.4	8074.9	8147.0	8340.3	8359.3
5°	6342.4	6520.6	6577.5	6763.2	6660.9	6509.2	6539.6	6437.2	6687.4	6797.3	6710.2
7.5°	4617.5	4606.1	4989.0	5011.8	5061.0	5064.8	5057.3	4856.3	4651.6	4697.1	4833.6
10°	3582.5	3389.2	3575.0	3556.0	3677.3	3643.2	3692.5	3476.4	3548.4	3548.4	3635.6
12.5°	2919.1	2714.4	2680.3	2631.0	2680.3	2699.2	2718.2	2676.5	2797.8	2854.7	2915.3
15°	2229.1	2115.4	2085.1	1990.3	2005.5	2058.5	2104.0	2123.0	2085.1	2172.3	2179.9
17.5°	1618.8	1615.0	1633.9	1630.2	1615.0	1603.6	1599.8	1550.5	1535.4	1543.0	1573.3
20°	1228.3	1258.6	1323.1	1387.5	1421.6	1379.9	1323.1	1239.7	1205.6	1213.1	1216.9
22.5°	1050.1	1095.6	1182.8	1254.8	1289.0	1213.1	1110.8	1038.7	1023.6	1019.8	1016.0
25°	951.6	1004.6	1069.1	1091.8	1088.0	1042.5	966.7	936.4	928.8	921.2	887.1
27.5°	898.5	917.4	928.8	955.3	966.7	936.4	917.4	871.9	864.4	864.4	841.6
30°	868.1	856.8	871.9	853.0	868.1	845.4	849.2	849.2	830.2	837.8	837.8
32.5°	807.5	811.3	811.3	773.4	784.7	758.2	784.7	807.5	811.3	815.1	845.4
35°	591.4	659.6	693.8	693.8	705.1	686.2	682.4	655.9	621.7	587.6	572.4
37.5°	519.4	545.9	591.4	617.9	636.9	621.7	587.6	545.9	527.0	511.8	496.6
40°	462.5	485.3	515.6	545.9	583.8	564.9	511.8	492.8	470.1	470.1	454.9
42.5°	417.0	428.4	447.3	492.8	534.5	496.6	458.7	443.6	432.2	428.4	424.6
45°	375.3	379.1	398.1	436.0	485.3	447.3	409.4	390.5	394.3	398.1	394.3
47.5°	337.4	345.0	356.4	401.9	432.2	413.2	371.5	360.1	360.1	360.1	363.9
50°	291.9	310.9	333.6	371.5	394.3	382.9	348.8	333.6	326.0	326.0	329.8
52.5°	261.6	276.7	307.1	352.6	382.9	363.9	329.8	307.1	291.9	288.1	295.7
55°	227.5	254.0	303.3	337.4	379.1	360.1	322.2	295.7	269.2	265.4	265.4
57.5°	204.7	246.4	291.9	333.6	367.7	352.6	322.2	288.1	254.0	250.2	250.2
60°	193.3	238.8	284.3	322.2	367.7	345.0	318.4	280.5	242.6	242.6	238.8
62.5°	182.0	223.7	269.2	307.1	352.6	333.6	307.1	269.2	231.3	231.3	223.7
65°	151.6	193.3	223.7	257.8	307.1	288.1	261.6	235.0	204.7	197.1	200.9
67.5°	106.1	132.7	163.0	197.1	227.5	219.9	208.5	189.6	163.0	159.2	155.4
70°	53.1	72.0	98.6	132.7	159.2	151.6	144.1	128.9	113.7	109.9	109.9
72.5°	7.6	22.7	41.7	60.7	83.4	87.2	83.4	79.6	75.8	72.0	75.8
75°	0.0	0.0	0.0	15.2	34.1	41.7	49.3	56.9	56.9	49.3	60.7
77.5°	0.0	0.0	0.0	0.0	3.8	19.0	37.9	49.3	60.7	53.1	72.0
80°	0.0	0.0	0.0	0.0	3.8	22.7	37.9	53.1	60.7	53.1	75.8
82.5°	0.0	0.0	0.0	0.0	3.8	26.5	37.9	49.3	56.9	53.1	68.2
85°	0.0	0.0	0.0	0.0	11.4	22.7	15.2	7.6	3.8	3.8	11.4
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: P531199

CATALOG NUMBER: GALN-SA6C-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3	9773.3
2.5°	8465.4	8734.6	9022.7	9132.6	9473.8	9731.6	9906.0	10281.3	10338.2	10342.0
5°	6801.1	6937.6	7430.5	7661.7	8169.7	8564.0	8984.8	9591.4	9997.0	10027.3
7.5°	4833.6	5212.7	5421.2	6024.0	6649.5	7267.4	7893.0	8598.1	9068.2	9079.6
10°	3889.6	4136.0	4507.6	4958.7	5485.6	6115.0	6949.0	7767.9	8245.5	8363.1
12.5°	3131.4	3563.6	3988.2	4454.5	4856.3	5330.2	6228.7	7320.5	7714.8	7949.8
15°	2411.1	2805.4	3305.8	3851.7	4306.6	4939.7	5963.3	7210.6	7874.0	7953.6
17.5°	1778.0	2130.6	2593.1	3108.7	3791.0	4689.5	6008.8	7767.9	8393.4	8526.1
20°	1277.6	1482.3	1846.2	2445.2	3313.4	4397.6	6054.3	8332.7	9284.3	9511.7
22.5°	1012.2	1095.6	1334.4	1865.2	2778.8	4090.5	6376.5	9413.2	10508.8	10838.6
25°	879.5	925.0	1038.7	1470.9	2441.4	4060.2	6892.1	10709.7	12138.9	12377.8
27.5°	849.2	856.8	955.3	1349.6	2259.5	3859.3	7089.3	11630.9	13154.9	13397.6
30°	894.7	1016.0	1023.6	1141.1	1922.1	3461.2	7191.6	12521.8	14015.5	14193.7
32.5°	773.4	735.5	762.0	883.3	1690.8	3230.0	7385.0	13299.0	14997.4	15122.5
35°	538.3	564.9	625.5	765.8	1478.5	2987.3	7434.2	14155.8	15930.0	16058.9
37.5°	496.6	511.8	561.1	652.1	1300.3	2850.9	7366.0	14781.3	16896.7	17074.9
40°	462.5	481.5	508.0	591.4	1167.6	2699.2	7271.2	15346.2	17488.1	17927.9
42.5°	436.0	451.1	473.9	564.9	1053.9	2547.6	7138.5	16142.3	18018.8	18401.7
45°	405.6	428.4	454.9	549.7	989.5	2445.2	7040.0	16093.0	18325.9	18530.6
47.5°	375.3	413.2	443.6	511.8	970.5	2395.9	7081.7	15907.2	18075.7	17935.4
50°	345.0	394.3	447.3	424.6	925.0	2297.4	7131.0	16161.2	17480.5	17454.0
52.5°	318.4	375.3	417.0	348.8	822.7	2202.6	7608.6	16494.8	17901.3	17548.8
55°	280.5	337.4	333.6	280.5	667.2	2130.6	7983.9	16502.4	17617.0	17749.7
57.5°	254.0	299.5	261.6	235.0	492.8	1781.8	7373.6	13837.3	15080.8	15315.8
60°	235.0	291.9	197.1	185.8	322.2	1285.2	6437.2	10717.3	11987.3	12430.8
62.5°	216.1	276.7	155.4	151.6	223.7	913.6	5292.3	8969.6	10330.6	10933.4
65°	189.6	197.1	125.1	117.5	159.2	492.8	3222.4	6175.6	7722.4	7946.0
67.5°	155.4	151.6	102.4	94.8	106.1	238.8	1421.6	3093.5	4477.2	4852.5
70°	125.1	125.1	87.2	75.8	75.8	109.9	371.5	1232.1	2024.4	2240.5
72.5°	91.0	94.8	68.2	60.7	56.9	53.1	60.7	246.4	530.7	678.6
75°	79.6	83.4	68.2	53.1	41.7	34.1	26.5	22.7	30.3	49.3
77.5°	87.2	87.2	72.0	49.3	37.9	26.5	15.2	7.6	7.6	3.8
80°	109.9	113.7	94.8	64.4	45.5	30.3	19.0	7.6	3.8	3.8
82.5°	117.5	128.9	106.1	79.6	56.9	34.1	19.0	3.8	0.0	0.0
85°	30.3	49.3	83.4	72.0	56.9	34.1	19.0	3.8	0.0	0.0
87.5°	0.0	3.8	11.4	11.4	15.2	15.2	11.4	3.8	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)