

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: P531277

Luminaire Tested: **GALN-SA6C-740-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531277
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-740-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 23048 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

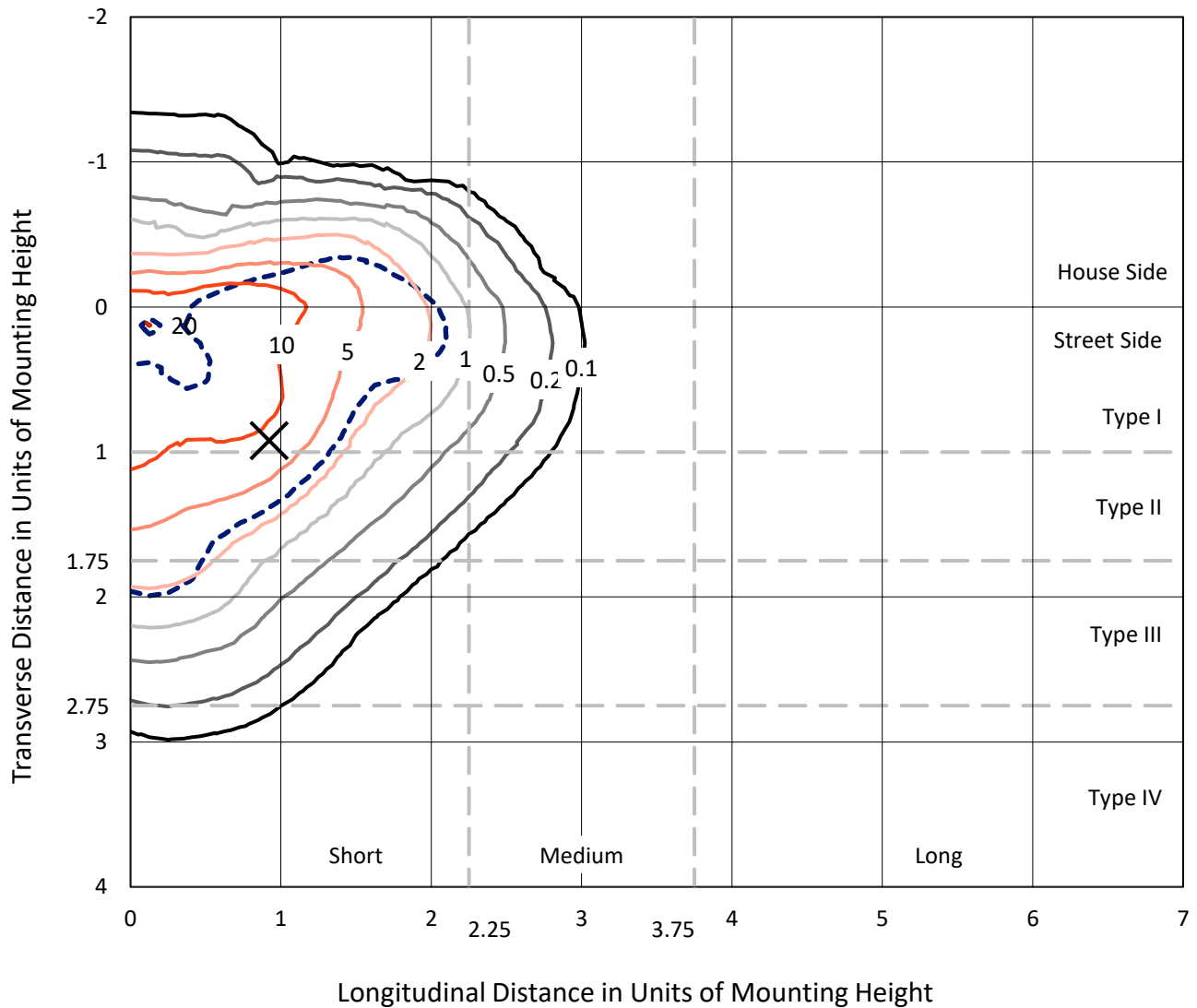
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

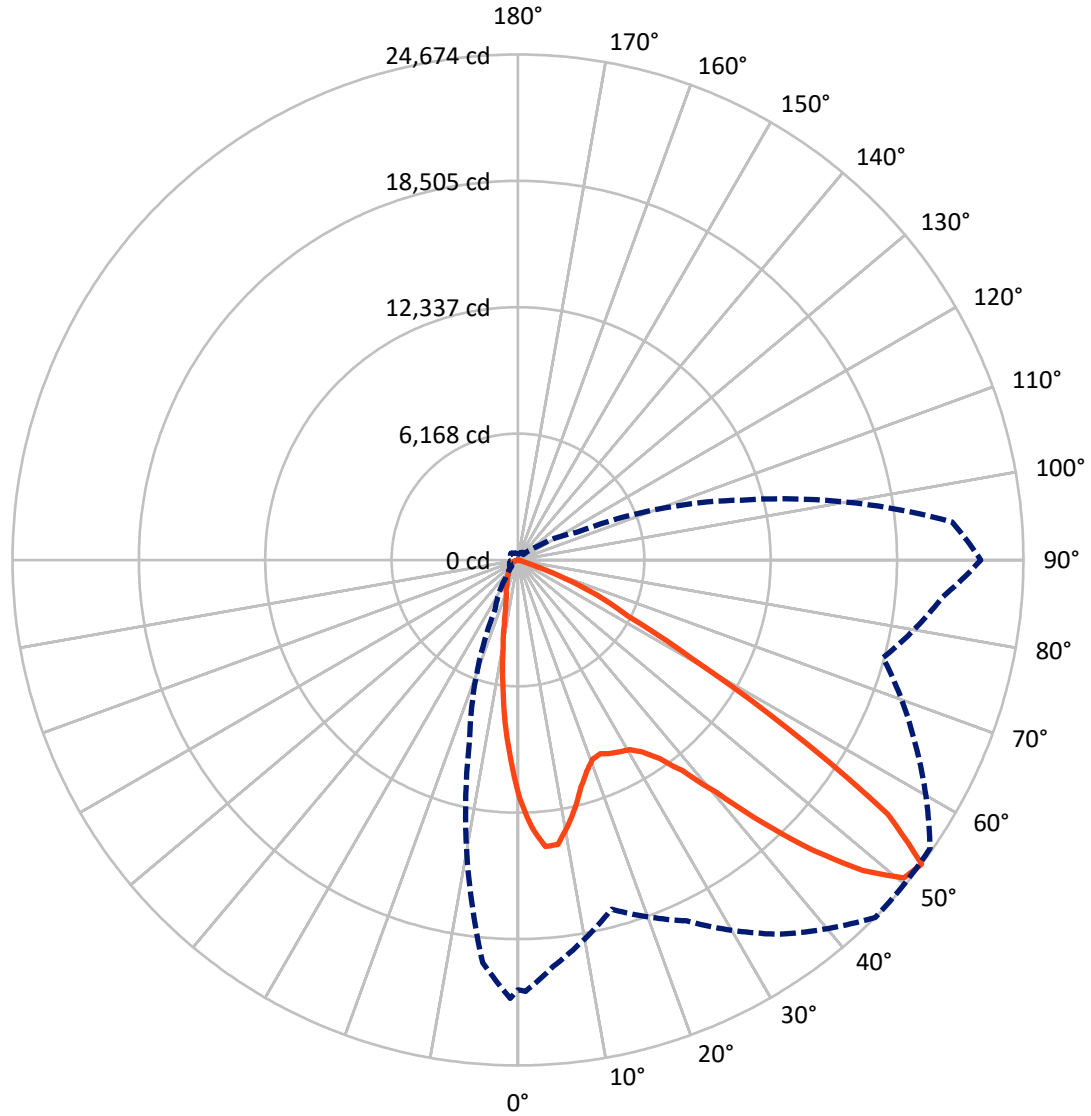
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.2 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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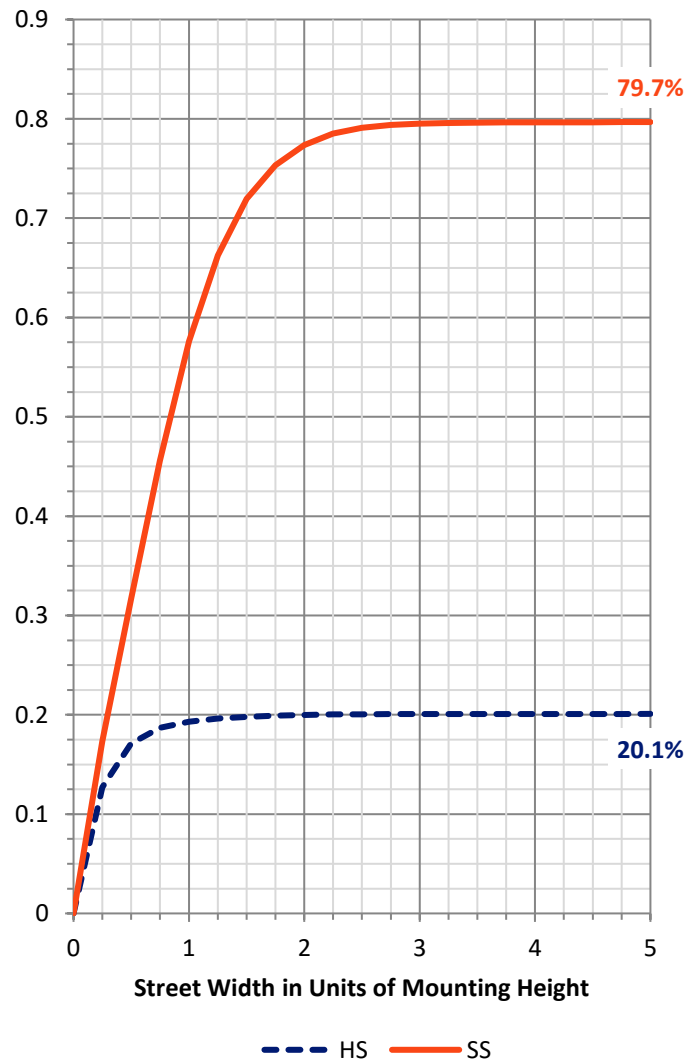
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4677.6	0.0	4677.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	18370.4	0.0	18370.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	23048.0	0.0	23048.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.3	3.7
10°-20°	1681.5	7.3
20°-30°	2559.0	11.1
30°-40°	3824.7	16.6
40°-50°	5446.7	23.6
50°-60°	5855.0	25.4
60°-70°	2594.5	11.3
70°-80°	209.9	0.9
80°-90°	24.5	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°	23048.0	100.0
0°-180°	23048.0	100.0

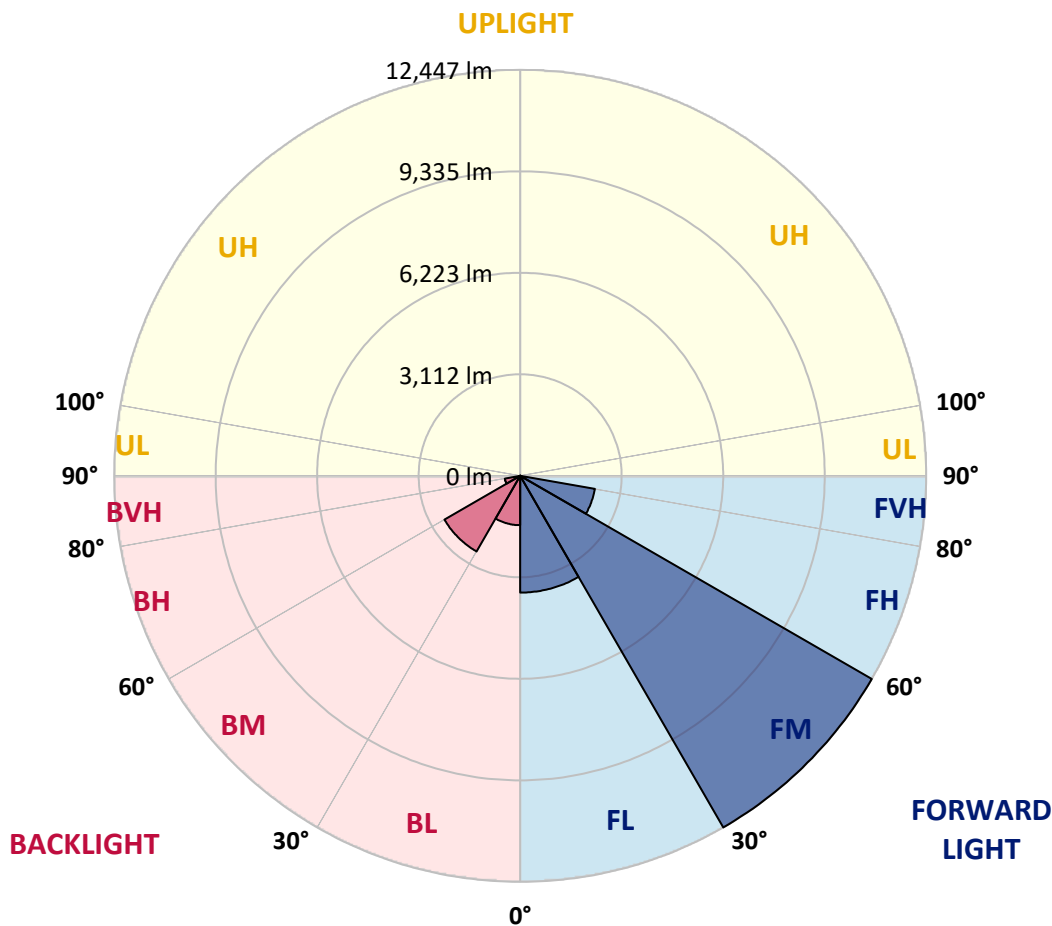


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3579.8	15.5			
FM (30°-60°)	12446.6	54.0			
FH (60°-80°)	2325.8	10.1			G2/5000
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	1512.9	6.6	B3/2500		
BM (30°-60°)	2679.7	11.6	B3/5000		
BH (60°-80°)	478.6	2.1	B1/500		G1/500
BVH (80°-90°)	6.3	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°	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4
2.5°	12366.4	12402.6	12602.1	12851.4	12982.9	13282.1	13073.5	13127.9	13014.6	12615.7	12302.9
5°	11990.1	11985.6	12239.4	12856.0	13440.7	14034.6	14052.7	13735.4	13177.8	12565.8	11690.9
7.5°	10856.8	11033.6	11296.6	12280.2	13363.7	13807.9	14021.0	13649.3	12792.5	11917.6	10970.2
10°	10000.1	10090.7	10535.0	11722.7	12516.0	13109.8	13241.3	13028.2	12370.9	11278.4	10217.7
12.5°	9506.0	9551.3	10072.6	11069.9	11908.5	12348.2	12411.7	12511.4	12040.0	11015.5	9741.7
15°	9510.5	9546.8	10249.4	11083.5	11414.4	11296.6	11505.1	11500.5	11704.5	10965.6	10140.6
17.5°	10195.0	10235.8	10870.4	11283.0	11137.9	10861.4	10847.8	11056.3	11486.9	11586.7	10743.5
20°	11373.6	11468.8	11935.7	11913.1	11097.1	10539.5	10385.4	10544.1	11545.9	12112.5	11958.4
22.5°	12960.2	13091.7	13418.1	12792.5	11283.0	10321.9	10272.1	10580.3	11935.7	13286.6	13336.5
25°	14800.7	15022.8	15181.5	14379.1	11944.8	10698.2	10462.5	10992.8	12461.6	14560.4	15090.8
27.5°	16020.1	16251.3	16215.0	15068.1	12389.0	10797.9	10598.5	11092.6	12919.4	14864.1	16006.5
30°	16972.0	17112.6	17366.4	15439.8	12833.3	11079.0	10739.0	11514.1	13069.0	15390.0	17112.6
32.5°	18082.7	18177.8	18196.0	16097.1	13517.8	11432.6	11174.2	12040.0	13730.8	15893.2	18091.7
35°	19202.3	19342.9	19048.2	16908.6	13939.4	12089.9	11899.5	12951.2	14261.2	16414.5	19170.6
37.5°	20417.2	20489.7	19809.8	17244.0	14542.3	13159.7	13055.4	13934.8	15181.5	17357.4	20367.3
40°	21437.2	21505.2	20621.2	17656.5	15176.9	14655.6	14923.1	15811.6	16432.6	17969.3	20965.7
42.5°	22003.8	22162.5	20893.2	17429.9	16450.7	16351.0	17538.7	17851.5	17883.2	18141.6	21500.6
45°	22157.9	22085.4	20444.4	17615.7	17565.9	19138.9	20217.8	20630.3	19324.7	18458.9	21636.6
47.5°	21446.2	21541.4	19782.6	17452.5	19030.1	21251.3	22647.5	23413.6	20399.1	18182.4	21301.2
50°	20870.5	20748.1	19569.5	17334.7	19424.5	22248.6	24401.8	24574.1	21387.3	18522.4	20934.0
52.5°	20983.9	21060.9	19909.5	17647.5	19433.5	22307.5	24673.8	24556.0	21419.0	18445.3	20802.5
55°	21224.1	20884.1	19764.4	16958.4	18132.5	20662.0	21899.5	21718.2	19769.0	17624.8	20480.7
57.5°	18313.8	18839.7	18173.3	15140.7	14882.3	15566.8	15544.1	16101.7	14746.3	15167.9	18644.8
60°	14864.1	14954.8	15204.1	12951.2	10299.3	10063.5	9737.2	9383.6	9923.0	12969.3	16958.4
62.5°	13073.5	12964.7	13853.2	11781.6	7271.1	6088.0	6033.6	6251.2	7656.5	12370.9	15906.8
65°	9501.4	9637.4	10281.1	9143.3	5457.9	4646.5	4564.9	5208.6	6196.8	9914.0	12139.7
67.5°	5802.4	6065.3	6124.3	5639.2	3703.6	2942.0	2824.1	3408.9	4474.2	6414.4	7117.0
70°	2679.1	2996.4	3295.6	3078.0	2144.2	1210.3	1142.3	1432.5	2257.5	3690.0	3776.1
72.5°	811.4	816.0	1142.3	1192.2	693.6	272.0	240.3	317.3	766.1	1219.4	1282.9
75°	58.9	63.5	154.1	176.8	131.5	68.0	72.5	86.1	163.2	272.0	204.0
77.5°	4.5	4.5	4.5	22.7	40.8	45.3	58.9	68.0	86.1	99.7	90.7
80°	4.5	0.0	4.5	18.1	31.7	45.3	54.4	63.5	68.0	77.1	68.0
82.5°	0.0	0.0	0.0	13.6	31.7	45.3	49.9	68.0	77.1	90.7	77.1
85°	0.0	0.0	0.0	13.6	31.7	49.9	45.3	22.7	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°	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4
2.5°	12357.3	12180.5	11777.1	11573.1	11092.6	11024.6	10553.1	10476.1	10317.4	10231.3	10022.7
5°	11305.6	11092.6	10435.3	9882.2	9238.5	8789.7	8445.2	8132.4	7951.1	7783.4	7860.4
7.5°	10448.9	9827.8	9098.0	8173.2	7429.8	6949.3	6423.4	5992.8	5738.9	5566.7	5607.5
10°	9551.3	9147.9	8132.4	7094.3	6196.8	5856.8	5444.3	5113.4	4755.3	4447.0	4301.9
12.5°	9270.2	8671.9	7398.1	6341.8	5661.9	5331.0	4859.5	4478.7	4020.9	3644.6	3513.2
15°	9320.1	8744.4	7198.6	6069.9	5267.5	4696.3	4134.2	3662.8	3159.6	2896.7	2760.7
17.5°	10131.5	9134.3	7330.1	5784.3	4719.0	3925.7	3232.1	2633.7	2257.5	1985.5	1926.6
20°	11128.8	9977.4	7611.1	5575.7	4270.2	3123.3	2361.8	1845.0	1532.2	1486.9	1473.3
22.5°	12588.5	11355.5	8214.0	5435.2	3721.7	2434.3	1618.3	1341.8	1255.7	1246.6	1251.1
25°	14628.4	13082.6	8871.3	5317.4	3309.2	1876.7	1323.7	1137.8	1110.6	1097.0	1119.7
27.5°	15512.4	14125.2	9220.4	5063.5	2932.9	1690.9	1305.5	1128.7	1051.7	1029.0	1042.6
30°	16604.9	14818.8	9768.9	4628.3	2379.9	1391.7	1219.4	1228.5	1192.2	1078.9	1042.6
32.5°	18055.5	15684.6	10045.4	4320.1	2126.0	1151.4	893.0	820.5	915.7	933.8	965.6
35°	18984.7	16564.1	10185.9	4138.7	1994.6	983.7	757.0	689.0	666.4	670.9	689.0
37.5°	20711.9	17751.7	10362.7	3948.4	1894.8	856.8	684.5	621.0	589.3	589.3	607.4
40°	21745.4	18694.6	10603.0	3844.1	1795.1	779.7	621.0	566.6	539.4	539.4	548.5
42.5°	22003.8	19161.5	10521.4	3807.8	1681.8	761.6	566.6	525.8	494.1	489.6	485.0
45°	22466.2	19873.2	10535.0	3767.0	1563.9	693.6	534.9	489.6	444.2	439.7	435.2
47.5°	22973.9	20385.5	10562.2	3608.4	1450.6	580.2	557.6	453.3	398.9	389.8	389.8
50°	22538.7	20793.5	10797.9	3449.7	1305.5	471.4	548.5	426.1	353.6	340.0	344.5
52.5°	22593.1	21274.0	11296.6	3227.6	1124.2	376.2	444.2	403.4	321.9	299.2	303.7
55°	21722.8	20766.3	11364.6	2991.9	879.4	290.1	340.0	353.6	272.0	262.9	262.9
57.5°	18699.2	17584.0	10027.3	2425.2	580.2	240.3	244.8	308.3	235.7	226.7	231.2
60°	16001.9	14116.2	8069.0	1600.2	362.7	190.4	176.8	312.8	208.5	204.0	217.6
62.5°	14587.6	11600.3	6119.7	992.8	249.3	145.1	122.4	253.9	181.3	181.3	199.5
65°	10539.5	7792.4	3558.5	521.3	176.8	113.3	90.7	145.1	149.6	154.1	163.2
67.5°	6527.7	3934.8	1500.5	253.9	117.9	77.1	58.9	90.7	99.7	99.7	108.8
70°	3223.1	1568.5	498.6	145.1	90.7	63.5	40.8	49.9	49.9	45.3	49.9
72.5°	997.3	471.4	126.9	90.7	63.5	40.8	22.7	18.1	9.1	0.0	4.5
75°	113.3	90.7	81.6	63.5	40.8	18.1	4.5	0.0	0.0	0.0	0.0
77.5°	68.0	77.1	77.1	63.5	40.8	13.6	0.0	0.0	0.0	0.0	0.0
80°	54.4	58.9	63.5	58.9	36.3	18.1	0.0	0.0	0.0	0.0	0.0
82.5°	68.0	77.1	86.1	77.1	49.9	22.7	9.1	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	13.6	4.5	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°	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4
2.5°	9936.6	9836.9	9977.4	9768.9	9764.4	9768.9	9710.0	9655.6	9741.7	9972.9	9995.6
5°	7583.9	7797.0	7865.0	8087.1	7964.7	7783.4	7819.6	7697.3	7996.4	8127.9	8023.6
7.5°	5521.4	5507.8	5965.6	5992.8	6051.7	6056.3	6047.2	5806.9	5562.1	5616.5	5779.7
10°	4283.8	4052.6	4274.7	4252.1	4397.1	4356.3	4415.3	4156.9	4243.0	4243.0	4347.3
12.5°	3490.5	3245.7	3204.9	3146.0	3204.9	3227.6	3250.3	3200.4	3345.4	3413.4	3486.0
15°	2665.5	2529.5	2493.2	2379.9	2398.0	2461.5	2515.9	2538.6	2493.2	2597.5	2606.5
17.5°	1935.6	1931.1	1953.8	1949.2	1931.1	1917.5	1913.0	1854.0	1835.9	1845.0	1881.2
20°	1468.7	1505.0	1582.1	1659.1	1699.9	1650.1	1582.1	1482.3	1441.5	1450.6	1455.1
22.5°	1255.7	1310.1	1414.3	1500.5	1541.3	1450.6	1328.2	1242.1	1223.9	1219.4	1214.9
25°	1137.8	1201.3	1278.3	1305.5	1301.0	1246.6	1155.9	1119.7	1110.6	1101.6	1060.8
27.5°	1074.4	1097.0	1110.6	1142.3	1155.9	1119.7	1097.0	1042.6	1033.6	1033.6	1006.4
30°	1038.1	1024.5	1042.6	1020.0	1038.1	1010.9	1015.4	1015.4	992.8	1001.8	1001.8
32.5°	965.6	970.1	970.1	924.8	938.4	906.6	938.4	965.6	970.1	974.6	1010.9
35°	707.2	788.8	829.6	829.6	843.2	820.5	816.0	784.2	743.4	702.6	684.5
37.5°	621.0	652.8	707.2	738.9	761.6	743.4	702.6	652.8	630.1	612.0	593.8
40°	553.0	580.2	616.5	652.8	698.1	675.4	612.0	589.3	562.1	562.1	544.0
42.5°	498.6	512.2	534.9	589.3	639.2	593.8	548.5	530.4	516.8	512.2	507.7
45°	448.8	453.3	476.0	521.3	580.2	534.9	489.6	466.9	471.4	476.0	471.4
47.5°	403.4	412.5	426.1	480.5	516.8	494.1	444.2	430.6	430.6	430.6	435.2
50°	349.1	371.7	398.9	444.2	471.4	457.8	417.0	398.9	389.8	389.8	394.4
52.5°	312.8	330.9	367.2	421.6	457.8	435.2	394.4	367.2	349.1	344.5	353.6
55°	272.0	303.7	362.7	403.4	453.3	430.6	385.3	353.6	321.9	317.3	317.3
57.5°	244.8	294.7	349.1	398.9	439.7	421.6	385.3	344.5	303.7	299.2	299.2
60°	231.2	285.6	340.0	385.3	439.7	412.5	380.8	335.5	290.1	290.1	285.6
62.5°	217.6	267.5	321.9	367.2	421.6	398.9	367.2	321.9	276.5	276.5	267.5
65°	181.3	231.2	267.5	308.3	367.2	344.5	312.8	281.1	244.8	235.7	240.3
67.5°	126.9	158.7	194.9	235.7	272.0	262.9	249.3	226.7	194.9	190.4	185.9
70°	63.5	86.1	117.9	158.7	190.4	181.3	172.3	154.1	136.0	131.5	131.5
72.5°	9.1	27.2	49.9	72.5	99.7	104.3	99.7	95.2	90.7	86.1	90.7
75°	0.0	0.0	0.0	18.1	40.8	49.9	58.9	68.0	68.0	58.9	72.5
77.5°	0.0	0.0	0.0	0.0	4.5	22.7	45.3	58.9	72.5	63.5	86.1
80°	0.0	0.0	0.0	0.0	4.5	27.2	45.3	63.5	72.5	63.5	90.7
82.5°	0.0	0.0	0.0	0.0	4.5	31.7	45.3	58.9	68.0	63.5	81.6
85°	0.0	0.0	0.0	0.0	13.6	27.2	18.1	9.1	4.5	4.5	13.6
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: P531277

CATALOG NUMBER: GALN-SA6C-740-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4	11686.4
2.5°	10122.5	10444.3	10788.8	10920.3	11328.3	11636.5	11845.1	12293.8	12361.8	12366.4
5°	8132.4	8295.6	8884.9	9161.5	9768.9	10240.3	10743.5	11468.8	11953.9	11990.1
7.5°	5779.7	6233.1	6482.4	7203.1	7951.1	8690.0	9438.0	10281.1	10843.2	10856.8
10°	4651.0	4945.6	5389.9	5929.3	6559.4	7311.9	8309.2	9288.4	9859.6	10000.1
12.5°	3744.4	4261.1	4768.9	5326.4	5806.9	6373.6	7447.9	8753.5	9224.9	9506.0
15°	2883.1	3354.5	3952.9	4605.7	5149.6	5906.7	7130.6	8622.0	9415.3	9510.5
17.5°	2126.0	2547.6	3100.7	3717.2	4533.1	5607.5	7185.0	9288.4	10036.3	10195.0
20°	1527.7	1772.5	2207.6	2923.9	3962.0	5258.4	7239.4	9963.8	11101.6	11373.6
22.5°	1210.3	1310.1	1595.7	2230.3	3322.8	4891.2	7624.7	11255.8	12565.8	12960.2
25°	1051.7	1106.1	1242.1	1758.9	2919.3	4855.0	8241.2	12806.1	14515.1	14800.7
27.5°	1015.4	1024.5	1142.3	1613.8	2701.7	4614.7	8477.0	13907.6	15730.0	16020.1
30°	1069.8	1214.9	1223.9	1364.5	2298.3	4138.7	8599.3	14972.9	16759.0	16972.0
32.5°	924.8	879.4	911.2	1056.2	2021.8	3862.2	8830.5	15902.2	17933.1	18082.7
35°	643.7	675.4	748.0	915.7	1767.9	3572.1	8889.5	16926.7	19048.2	19202.3
37.5°	593.8	612.0	670.9	779.7	1554.9	3408.9	8807.9	17674.7	20204.2	20417.2
40°	553.0	575.7	607.4	707.2	1396.2	3227.6	8694.5	18350.1	20911.3	21437.2
42.5°	521.3	539.4	566.6	675.4	1260.2	3046.3	8535.9	19302.1	21546.0	22003.8
45°	485.0	512.2	544.0	657.3	1183.1	2923.9	8418.0	19243.1	21913.1	22157.9
47.5°	448.8	494.1	530.4	612.0	1160.5	2864.9	8467.9	19021.0	21614.0	21446.2
50°	412.5	471.4	534.9	507.7	1106.1	2747.1	8526.8	19324.7	20902.3	20870.5
52.5°	380.8	448.8	498.6	417.0	983.7	2633.7	9098.0	19723.6	21405.4	20983.9
55°	335.5	403.4	398.9	335.5	797.8	2547.6	9546.8	19732.7	21065.5	21224.1
57.5°	303.7	358.1	312.8	281.1	589.3	2130.6	8816.9	16545.9	18032.8	18313.8
60°	281.1	349.1	235.7	222.1	385.3	1536.7	7697.3	12815.2	14333.8	14864.1
62.5°	258.4	330.9	185.9	181.3	267.5	1092.5	6328.2	10725.4	12352.8	13073.5
65°	226.7	235.7	149.6	140.5	190.4	589.3	3853.2	7384.5	9234.0	9501.4
67.5°	185.9	181.3	122.4	113.3	126.9	285.6	1699.9	3699.0	5353.6	5802.4
70°	149.6	149.6	104.3	90.7	90.7	131.5	444.2	1473.3	2420.7	2679.1
72.5°	108.8	113.3	81.6	72.5	68.0	63.5	72.5	294.7	634.6	811.4
75°	95.2	99.7	81.6	63.5	49.9	40.8	31.7	27.2	36.3	58.9
77.5°	104.3	104.3	86.1	58.9	45.3	31.7	18.1	9.1	9.1	4.5
80°	131.5	136.0	113.3	77.1	54.4	36.3	22.7	9.1	4.5	4.5
82.5°	140.5	154.1	126.9	95.2	68.0	40.8	22.7	4.5	0.0	0.0
85°	36.3	58.9	99.7	86.1	68.0	40.8	22.7	4.5	0.0	0.0
87.5°	0.0	4.5	13.6	13.6	18.1	18.1	13.6	4.5	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)