

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: P531251

Luminaire Tested: **GALN-SA6C-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531251
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-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 21470 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

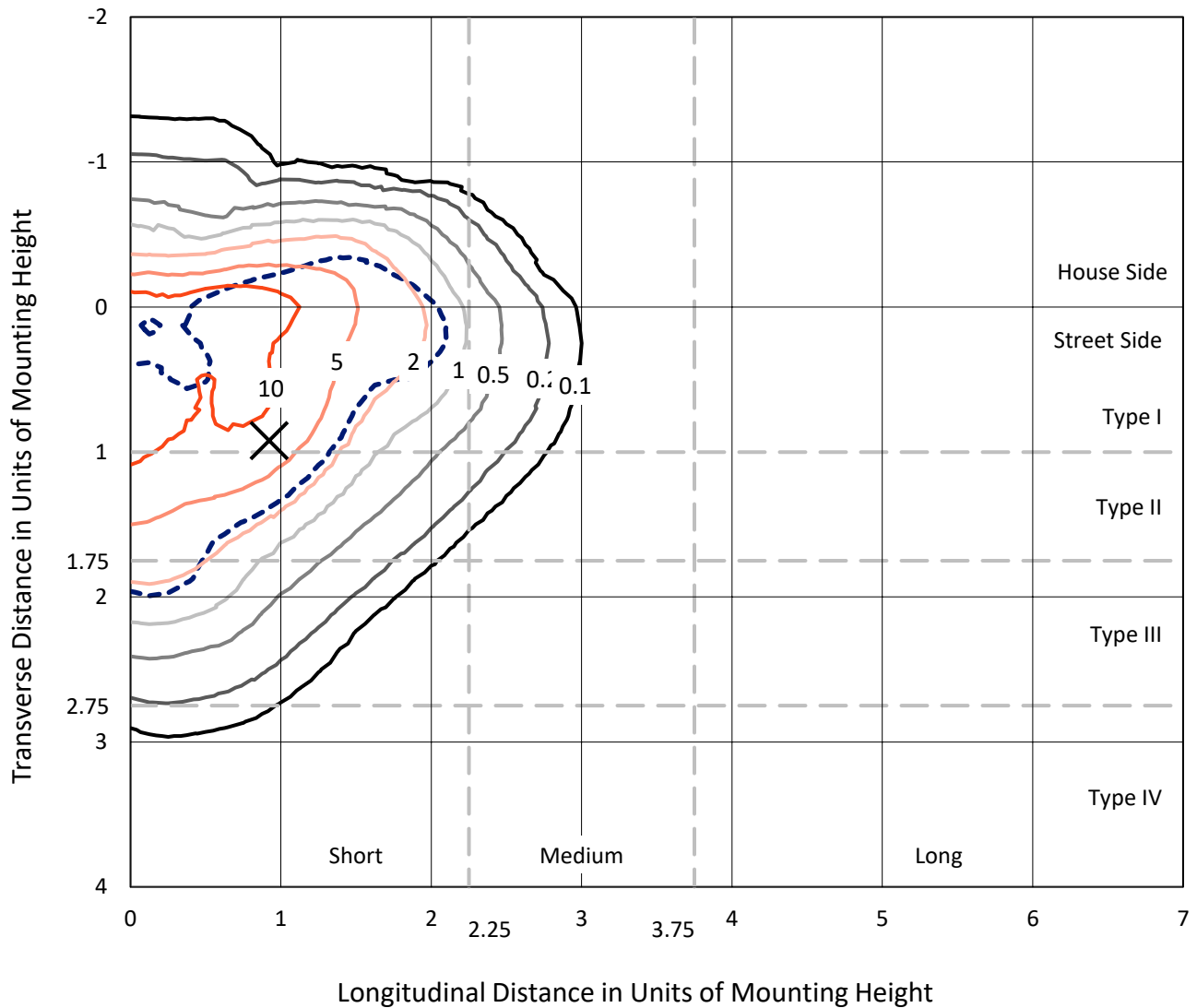
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

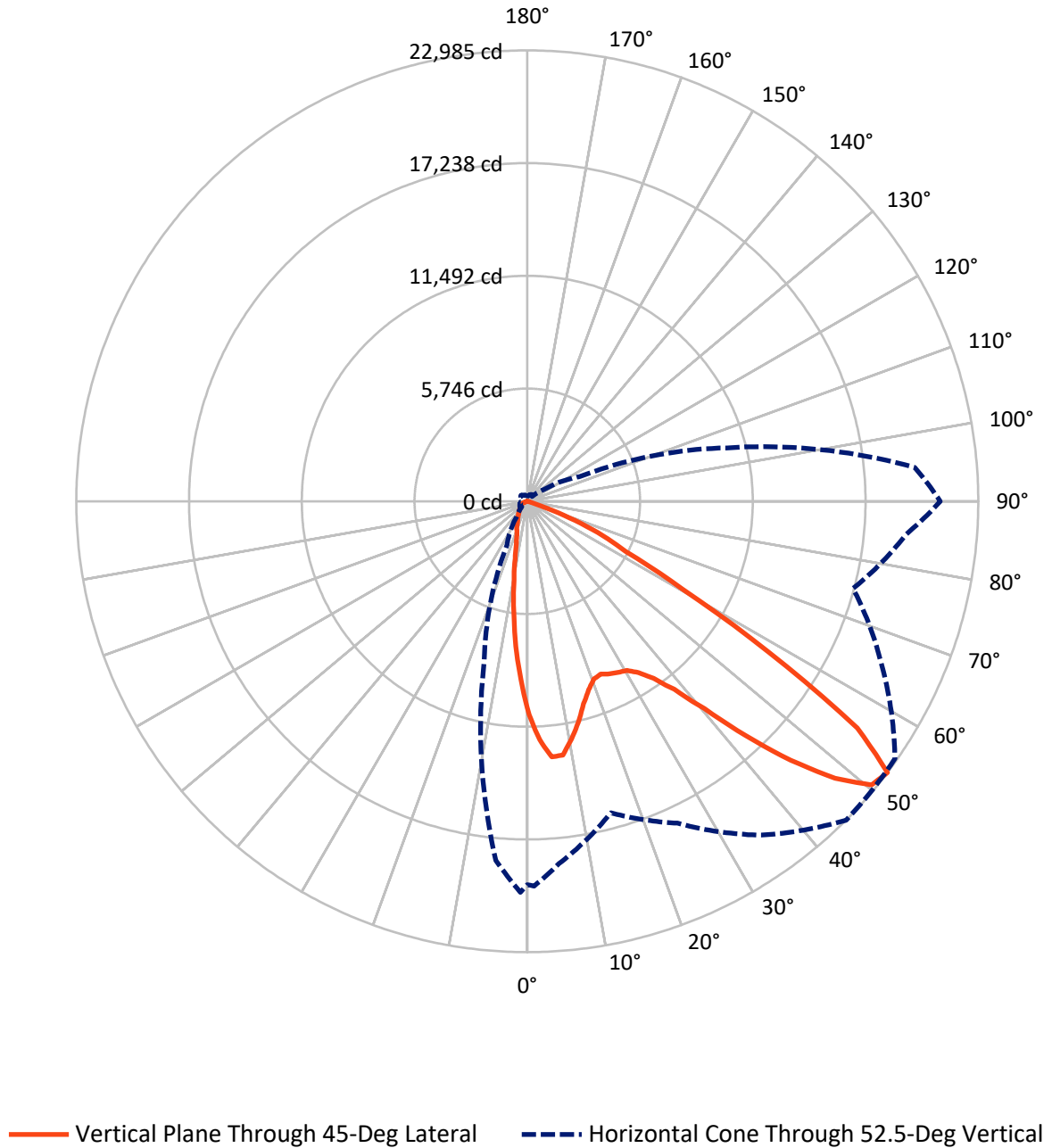
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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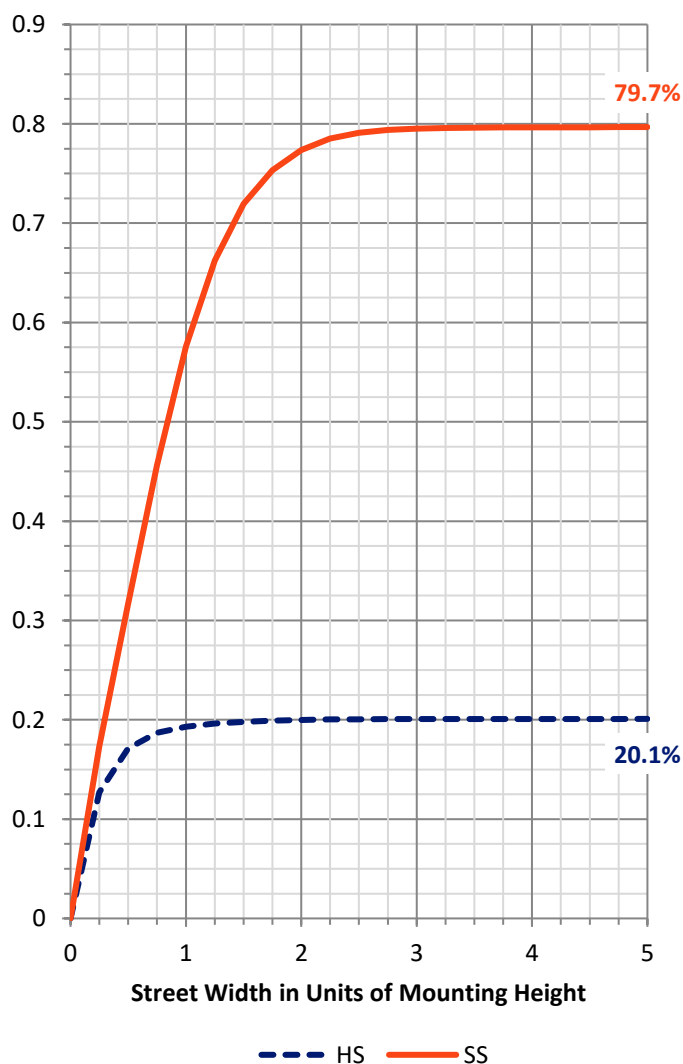
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4357.3	0.0	4357.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	17112.7	0.0	17112.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	21470.0	0.0	21470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.9	3.7
10°-20°	1566.4	7.3
20°-30°	2383.8	11.1
30°-40°	3562.8	16.6
40°-50°	5073.8	23.6
50°-60°	5454.2	25.4
60°-70°	2416.9	11.3
70°-80°	195.5	0.9
80°-90°	22.8	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°	21470.0	100.0
0°-180°	21470.0	100.0

Coefficient of Utilization

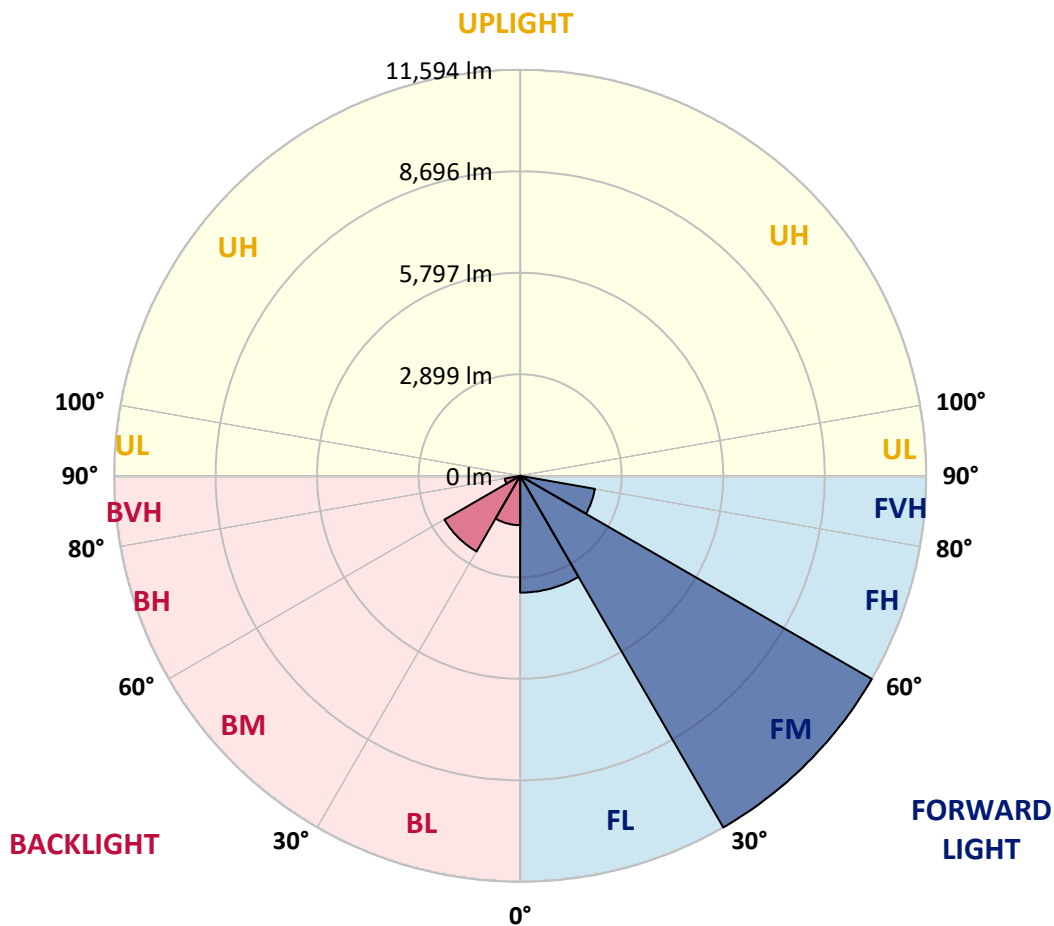


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3334.7	15.5			
FM (30°-60°)	11594.5	54.0			
FH (60°-80°)	2166.6	10.1			G2/5000
FVH (80°-90°)	16.9	0.1			G1/100
BL (0°-30°)	1409.3	6.6	B3/2500		
BM (30°-60°)	2496.3	11.6	B2/2500		
BH (60°-80°)	445.8	2.1	B1/500		G1/500
BVH (80°-90°)	5.9	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°	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3
2.5°	11519.7	11553.5	11739.3	11971.5	12094.0	12372.7	12178.5	12229.1	12123.6	11752.0	11460.6
5°	11169.2	11165.0	11401.5	11975.8	12520.5	13073.7	13090.6	12795.0	12275.6	11705.5	10890.5
7.5°	10113.5	10278.2	10523.1	11439.5	12448.7	12862.5	13061.0	12714.7	11916.6	11101.6	10219.1
10°	9315.4	9399.9	9813.7	10920.1	11659.1	12212.2	12334.7	12136.2	11523.9	10506.2	9518.1
12.5°	8855.1	8897.4	9383.0	10312.0	11093.2	11502.8	11561.9	11654.8	11215.7	10261.3	9074.7
15°	8859.4	8893.1	9547.7	10324.7	10632.9	10523.1	10717.4	10713.2	10903.2	10214.9	9446.3
17.5°	9497.0	9535.0	10126.2	10510.5	10375.3	10117.7	10105.1	10299.3	10700.5	10793.4	10008.0
20°	10594.9	10683.6	11118.5	11097.4	10337.3	9817.9	9674.4	9822.2	10755.4	11283.2	11139.7
22.5°	12072.9	12195.3	12499.4	11916.6	10510.5	9615.2	9568.8	9855.9	11118.5	12376.9	12423.4
25°	13787.3	13994.2	14142.0	13394.6	11127.0	9965.7	9746.1	10240.2	11608.4	13563.5	14057.6
27.5°	14923.3	15138.6	15104.8	14036.5	11540.8	10058.6	9872.8	10333.1	12034.9	13846.4	14910.6
30°	15810.0	15940.9	16177.4	14382.7	11954.6	10320.4	10003.7	10725.8	12174.2	14336.3	15940.9
32.5°	16844.6	16933.3	16950.2	14995.0	12592.3	10649.8	10409.1	11215.7	12790.8	14805.0	16853.1
35°	17887.6	18018.5	17744.1	15750.9	12985.0	11262.1	11084.8	12064.4	13284.8	15290.6	17858.1
37.5°	19019.3	19086.9	18453.5	16063.4	13546.6	12258.7	12161.6	12980.8	14142.0	16169.0	18972.9
40°	19969.5	20032.8	19209.4	16447.7	14137.8	13652.2	13901.3	14729.0	15307.5	16739.0	19530.3
42.5°	20497.3	20645.1	19462.7	16236.5	15324.4	15231.5	16337.9	16629.2	16658.8	16899.5	20028.6
45°	20640.9	20573.3	19044.7	16409.7	16363.2	17828.5	18833.5	19217.8	18001.6	17195.1	20155.3
47.5°	19977.9	20066.6	18428.1	16257.6	17727.2	19796.3	21096.9	21810.6	19002.4	16937.5	19842.8
50°	19441.6	19327.6	18229.7	16147.9	18094.5	20725.3	22731.1	22891.6	19923.0	17254.2	19500.7
52.5°	19547.2	19619.0	18546.4	16439.2	18103.0	20780.2	22984.5	22874.7	19952.6	17182.4	19378.3
55°	19771.0	19454.3	18411.3	15797.4	16891.1	19247.4	20400.2	20231.3	18415.5	16418.1	19078.5
57.5°	17060.0	17549.8	16929.1	14104.0	13863.3	14501.0	14479.9	14999.3	13736.7	14129.4	17368.2
60°	13846.4	13930.9	14163.2	12064.4	9594.1	9374.5	9070.5	8741.1	9243.6	12081.3	15797.4
62.5°	12178.5	12077.1	12904.8	10975.0	6773.3	5671.2	5620.5	5823.2	7132.2	11523.9	14817.7
65°	8850.9	8977.6	9577.2	8517.3	5084.2	4328.3	4252.3	4852.0	5772.5	9235.2	11308.6
67.5°	5405.1	5650.1	5705.0	5253.1	3450.0	2740.6	2630.8	3175.5	4167.9	5975.2	6629.7
70°	2495.7	2791.2	3070.0	2867.3	1997.4	1127.5	1064.1	1334.4	2102.9	3437.3	3517.6
72.5°	755.9	760.1	1064.1	1110.6	646.1	253.4	223.8	295.6	713.6	1135.9	1195.0
75°	54.9	59.1	143.6	164.7	122.5	63.3	67.6	80.2	152.0	253.4	190.0
77.5°	4.2	4.2	4.2	21.1	38.0	42.2	54.9	63.3	80.2	92.9	84.5
80°	4.2	0.0	4.2	16.9	29.6	42.2	50.7	59.1	63.3	71.8	63.3
82.5°	0.0	0.0	0.0	12.7	29.6	42.2	46.5	63.3	71.8	84.5	71.8
85°	0.0	0.0	0.0	12.7	29.6	46.5	42.2	21.1	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°	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3
2.5°	11511.3	11346.6	10970.7	10780.7	10333.1	10269.8	9830.6	9758.8	9611.0	9530.8	9336.5
5°	10531.6	10333.1	9720.8	9205.6	8606.0	8187.9	7867.0	7575.6	7406.7	7250.5	7322.3
7.5°	9733.5	9155.0	8475.1	7613.6	6921.1	6473.5	5983.7	5582.5	5346.0	5185.6	5223.6
10°	8897.4	8521.5	7575.6	6608.6	5772.5	5455.8	5071.5	4763.3	4429.7	4142.5	4007.4
12.5°	8635.6	8078.1	6891.6	5907.6	5274.2	4966.0	4526.8	4172.1	3745.6	3395.1	3272.6
15°	8682.0	8145.7	6705.8	5654.3	4906.9	4374.8	3851.2	3412.0	2943.3	2698.3	2571.7
17.5°	9437.9	8508.9	6828.2	5388.2	4395.9	3656.9	3010.8	2453.4	2102.9	1849.6	1794.7
20°	10366.9	9294.3	7090.0	5194.0	3977.8	2909.5	2200.1	1718.7	1427.3	1385.1	1372.4
22.5°	11726.6	10578.0	7651.7	5063.1	3466.9	2267.6	1507.5	1249.9	1169.7	1161.3	1165.5
25°	13626.9	12186.9	8264.0	4953.3	3082.6	1748.2	1233.0	1059.9	1034.6	1021.9	1043.0
27.5°	14450.3	13158.1	8589.1	4716.8	2732.1	1575.1	1216.2	1051.5	979.7	958.6	971.2
30°	15468.0	13804.2	9100.1	4311.4	2217.0	1296.4	1135.9	1144.4	1110.6	1005.0	971.2
32.5°	16819.3	14610.8	9357.6	4024.3	1980.5	1072.6	831.9	764.3	853.0	869.9	899.4
35°	17684.9	15430.0	9488.6	3855.4	1858.0	916.3	705.2	641.9	620.7	625.0	641.9
37.5°	19293.8	16536.3	9653.2	3678.0	1765.1	798.1	637.6	578.5	549.0	549.0	565.9
40°	20256.6	17414.7	9877.0	3580.9	1672.2	726.3	578.5	527.8	502.5	502.5	511.0
42.5°	20497.3	17849.6	9801.0	3547.1	1566.6	709.4	527.8	489.8	460.3	456.1	451.8
45°	20928.0	18512.6	9813.7	3509.1	1456.9	646.1	498.3	456.1	413.8	409.6	405.4
47.5°	21401.0	18989.8	9839.0	3361.3	1351.3	540.5	519.4	422.3	371.6	363.2	363.2
50°	20995.6	19369.8	10058.6	3213.5	1216.2	439.2	511.0	396.9	329.4	316.7	320.9
52.5°	21046.3	19817.4	10523.1	3006.6	1047.2	350.5	413.8	375.8	299.8	278.7	282.9
55°	20235.5	19344.5	10586.5	2787.0	819.2	270.3	316.7	329.4	253.4	244.9	244.9
57.5°	17418.9	16380.1	9340.8	2259.2	540.5	223.8	228.0	287.1	219.6	211.1	215.4
60°	14906.4	13149.7	7516.5	1490.6	337.8	177.4	164.7	291.4	194.2	190.0	202.7
62.5°	13588.9	10806.1	5700.7	924.8	232.3	135.1	114.0	236.5	168.9	168.9	185.8
65°	9817.9	7258.9	3314.9	485.6	164.7	105.6	84.5	135.1	139.4	143.6	152.0
67.5°	6080.8	3665.4	1397.7	236.5	109.8	71.8	54.9	84.5	92.9	92.9	101.3
70°	3002.4	1461.1	464.5	135.1	84.5	59.1	38.0	46.5	46.5	42.2	46.5
72.5°	929.0	439.2	118.2	84.5	59.1	38.0	21.1	16.9	8.4	0.0	4.2
75°	105.6	84.5	76.0	59.1	38.0	16.9	4.2	0.0	0.0	0.0	0.0
77.5°	63.3	71.8	71.8	59.1	38.0	12.7	0.0	0.0	0.0	0.0	0.0
80°	50.7	54.9	59.1	54.9	33.8	16.9	0.0	0.0	0.0	0.0	0.0
82.5°	63.3	71.8	80.2	71.8	46.5	21.1	8.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	12.7	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3
2.5°	9256.3	9163.4	9294.3	9100.1	9095.8	9100.1	9045.2	8994.5	9074.7	9290.1	9311.2
5°	7064.7	7263.2	7326.5	7533.4	7419.4	7250.5	7284.3	7170.3	7449.0	7571.4	7474.3
7.5°	5143.3	5130.7	5557.2	5582.5	5637.4	5641.6	5633.2	5409.4	5181.3	5232.0	5384.0
10°	3990.5	3775.2	3982.1	3961.0	4096.1	4058.1	4113.0	3872.3	3952.5	3952.5	4049.6
12.5°	3251.5	3023.5	2985.5	2930.6	2985.5	3006.6	3027.7	2981.3	3116.4	3179.7	3247.3
15°	2483.0	2356.3	2322.5	2217.0	2233.8	2293.0	2343.6	2364.7	2322.5	2419.6	2428.1
17.5°	1803.1	1798.9	1820.0	1815.8	1798.9	1786.2	1782.0	1727.1	1710.2	1718.7	1752.4
20°	1368.2	1402.0	1473.7	1545.5	1583.5	1537.1	1473.7	1380.8	1342.8	1351.3	1355.5
22.5°	1169.7	1220.4	1317.5	1397.7	1435.7	1351.3	1237.3	1157.0	1140.1	1135.9	1131.7
25°	1059.9	1119.0	1190.8	1216.2	1211.9	1161.3	1076.8	1043.0	1034.6	1026.1	988.1
27.5°	1000.8	1021.9	1034.6	1064.1	1076.8	1043.0	1021.9	971.2	962.8	962.8	937.5
30°	967.0	954.3	971.2	950.1	967.0	941.7	945.9	945.9	924.8	933.2	933.2
32.5°	899.4	903.7	903.7	861.4	874.1	844.6	874.1	899.4	903.7	907.9	941.7
35°	658.8	734.8	772.8	772.8	785.4	764.3	760.1	730.5	692.5	654.5	637.6
37.5°	578.5	608.1	658.8	688.3	709.4	692.5	654.5	608.1	587.0	570.1	553.2
40°	515.2	540.5	574.3	608.1	650.3	629.2	570.1	549.0	523.6	523.6	506.7
42.5°	464.5	477.2	498.3	549.0	595.4	553.2	511.0	494.1	481.4	477.2	472.9
45°	418.1	422.3	443.4	485.6	540.5	498.3	456.1	434.9	439.2	443.4	439.2
47.5°	375.8	384.3	396.9	447.6	481.4	460.3	413.8	401.2	401.2	401.2	405.4
50°	325.2	346.3	371.6	413.8	439.2	426.5	388.5	371.6	363.2	363.2	367.4
52.5°	291.4	308.3	342.0	392.7	426.5	405.4	367.4	342.0	325.2	320.9	329.4
55°	253.4	282.9	337.8	375.8	422.3	401.2	358.9	329.4	299.8	295.6	295.6
57.5°	228.0	274.5	325.2	371.6	409.6	392.7	358.9	320.9	282.9	278.7	278.7
60°	215.4	266.0	316.7	358.9	409.6	384.3	354.7	312.5	270.3	270.3	266.0
62.5°	202.7	249.1	299.8	342.0	392.7	371.6	342.0	299.8	257.6	257.6	249.1
65°	168.9	215.4	249.1	287.1	342.0	320.9	291.4	261.8	228.0	219.6	223.8
67.5°	118.2	147.8	181.6	219.6	253.4	244.9	232.3	211.1	181.6	177.4	173.1
70°	59.1	80.2	109.8	147.8	177.4	168.9	160.5	143.6	126.7	122.5	122.5
72.5°	8.4	25.3	46.5	67.6	92.9	97.1	92.9	88.7	84.5	80.2	84.5
75°	0.0	0.0	0.0	16.9	38.0	46.5	54.9	63.3	63.3	54.9	67.6
77.5°	0.0	0.0	0.0	0.0	4.2	21.1	42.2	54.9	67.6	59.1	80.2
80°	0.0	0.0	0.0	0.0	4.2	25.3	42.2	59.1	67.6	59.1	84.5
82.5°	0.0	0.0	0.0	0.0	4.2	29.6	42.2	54.9	63.3	59.1	76.0
85°	0.0	0.0	0.0	0.0	12.7	25.3	16.9	8.4	4.2	4.2	12.7
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: P531251

CATALOG NUMBER: GALN-SA6C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3	10886.3
2.5°	9429.4	9729.3	10050.2	10172.6	10552.7	10839.8	11034.1	11452.1	11515.5	11519.7
5°	7575.6	7727.7	8276.6	8534.2	9100.1	9539.2	10008.0	10683.6	11135.4	11169.2
7.5°	5384.0	5806.3	6038.6	6710.0	7406.7	8095.0	8791.8	9577.2	10100.9	10113.5
10°	4332.6	4607.0	5020.9	5523.4	6110.3	6811.3	7740.3	8652.4	9184.5	9315.4
12.5°	3488.0	3969.4	4442.3	4961.7	5409.4	5937.2	6938.0	8154.2	8593.3	8855.1
15°	2685.7	3124.8	3682.3	4290.3	4797.1	5502.3	6642.4	8031.7	8770.7	8859.4
17.5°	1980.5	2373.2	2888.4	3462.7	4222.8	5223.6	6693.1	8652.4	9349.2	9497.0
20°	1423.1	1651.1	2056.5	2723.7	3690.7	4898.4	6743.8	9281.6	10341.6	10594.9
22.5°	1127.5	1220.4	1486.4	2077.6	3095.3	4556.4	7102.7	10485.1	11705.5	12072.9
25°	979.7	1030.4	1157.0	1638.4	2719.5	4522.6	7677.0	11929.3	13521.3	13787.3
27.5°	945.9	954.3	1064.1	1503.3	2516.8	4298.8	7896.6	12955.4	14653.0	14923.3
30°	996.6	1131.7	1140.1	1271.1	2140.9	3855.4	8010.6	13947.8	15611.6	15810.0
32.5°	861.4	819.2	848.8	983.9	1883.4	3597.8	8225.9	14813.5	16705.3	16844.6
35°	599.6	629.2	696.8	853.0	1646.9	3327.5	8280.8	15767.8	17744.1	17887.6
37.5°	553.2	570.1	625.0	726.3	1448.4	3175.5	8204.8	16464.6	18820.9	19019.3
40°	515.2	536.3	565.9	658.8	1300.6	3006.6	8099.3	17093.8	19479.6	19969.5
42.5°	485.6	502.5	527.8	629.2	1173.9	2837.7	7951.5	17980.5	20070.8	20497.3
45°	451.8	477.2	506.7	612.3	1102.1	2723.7	7841.7	17925.6	20412.8	20640.9
47.5°	418.1	460.3	494.1	570.1	1081.0	2668.8	7888.1	17718.7	20134.1	19977.9
50°	384.3	439.2	498.3	472.9	1030.4	2559.0	7943.0	18001.6	19471.2	19441.6
52.5°	354.7	418.1	464.5	388.5	916.3	2453.4	8475.1	18373.3	19939.9	19547.2
55°	312.5	375.8	371.6	312.5	743.2	2373.2	8893.1	18381.7	19623.2	19771.0
57.5°	282.9	333.6	291.4	261.8	549.0	1984.7	8213.3	15413.1	16798.2	17060.0
60°	261.8	325.2	219.6	206.9	358.9	1431.5	7170.3	11937.8	13352.4	13846.4
62.5°	240.7	308.3	173.1	168.9	249.1	1017.7	5895.0	9991.1	11507.0	12178.5
65°	211.1	219.6	139.4	130.9	177.4	549.0	3589.4	6878.9	8601.8	8850.9
67.5°	173.1	168.9	114.0	105.6	118.2	266.0	1583.5	3445.8	4987.1	5405.1
70°	139.4	139.4	97.1	84.5	84.5	122.5	413.8	1372.4	2255.0	2495.7
72.5°	101.3	105.6	76.0	67.6	63.3	59.1	67.6	274.5	591.2	755.9
75°	88.7	92.9	76.0	59.1	46.5	38.0	29.6	25.3	33.8	54.9
77.5°	97.1	97.1	80.2	54.9	42.2	29.6	16.9	8.4	8.4	4.2
80°	122.5	126.7	105.6	71.8	50.7	33.8	21.1	8.4	4.2	4.2
82.5°	130.9	143.6	118.2	88.7	63.3	38.0	21.1	4.2	0.0	0.0
85°	33.8	54.9	92.9	80.2	63.3	38.0	21.1	4.2	0.0	0.0
87.5°	0.0	4.2	12.7	12.7	16.9	16.9	12.7	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)