

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: P531485

Luminaire Tested: **GALN-SA6D-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531485  
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-735-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

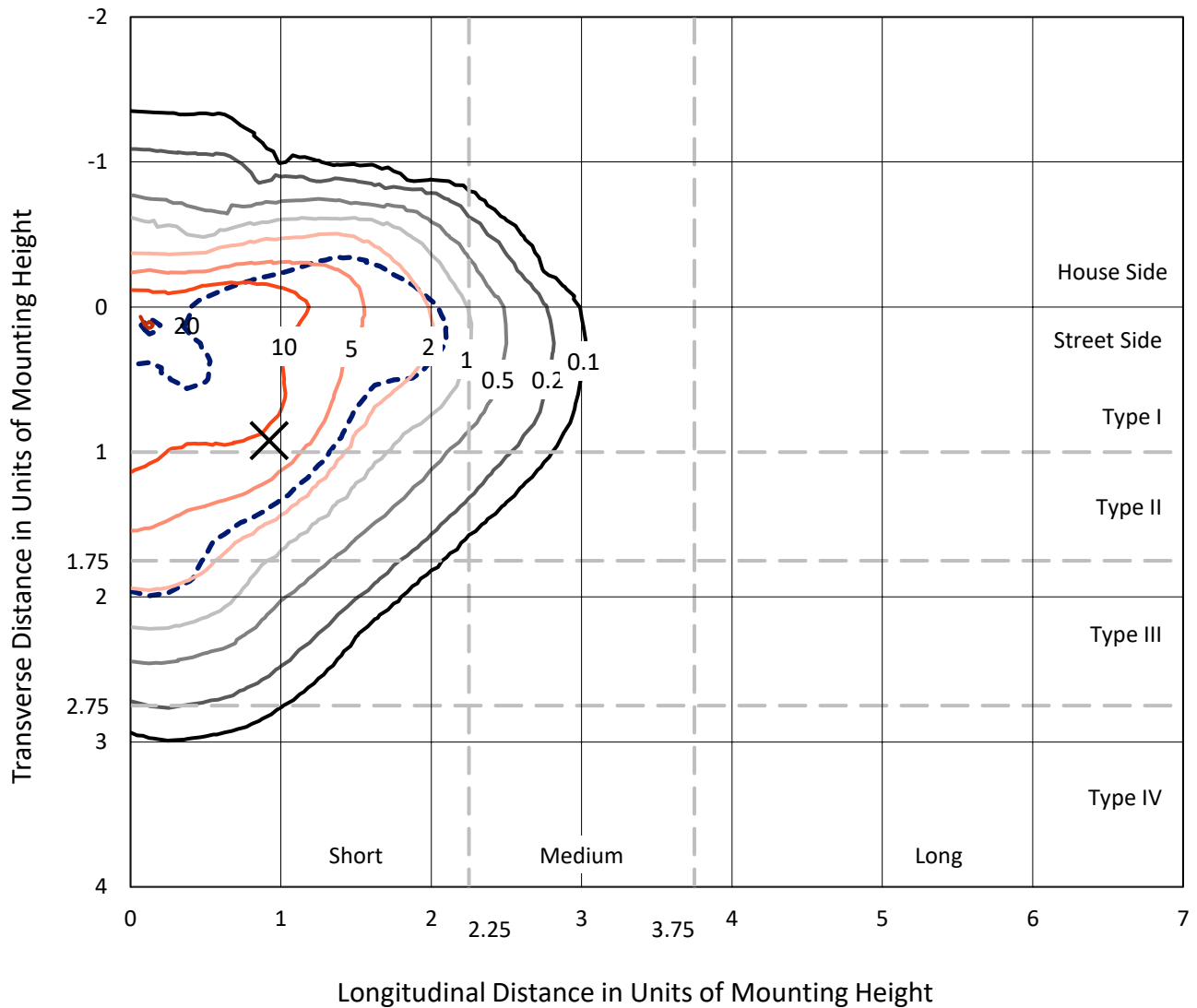
Lumens per Lamp: N/A  
Luminaire Lumens: 23624 lumens  
Efficiency: N/A  
Efficacy: 64.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

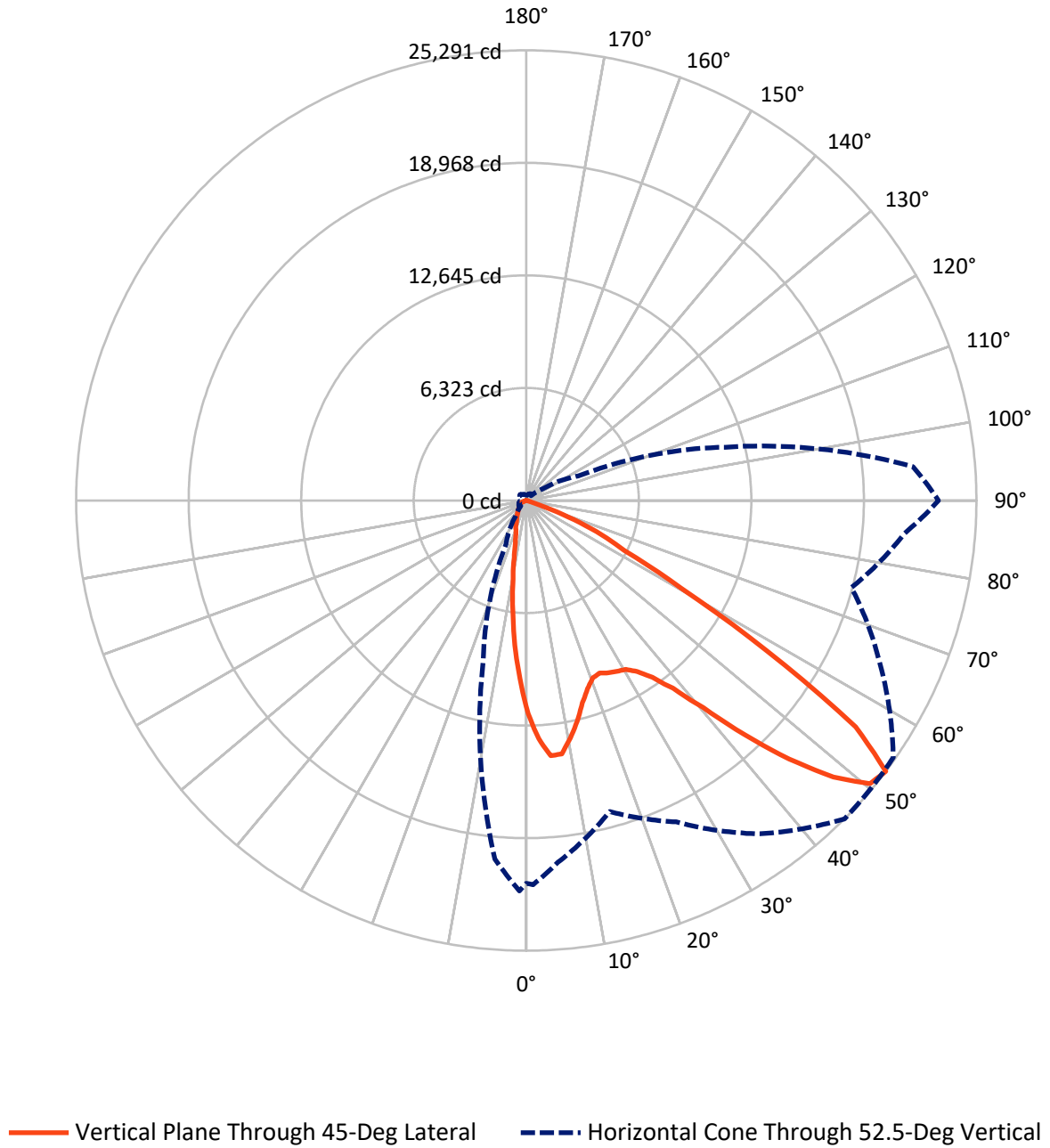
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4794.5	0.0	4794.5
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	18829.5	0.0	18829.5
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	23624.0	0.0	23624.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	873.6	3.7
10°-20°	1723.5	7.3
20°-30°	2622.9	11.1
30°-40°	3920.3	16.6
40°-50°	5582.8	23.6
50°-60°	6001.3	25.4
60°-70°	2659.3	11.3
70°-80°	215.2	0.9
80°-90°	25.1	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°	23624.0	100.0
0°-180°	23624.0	100.0

**Coefficient of Utilization**



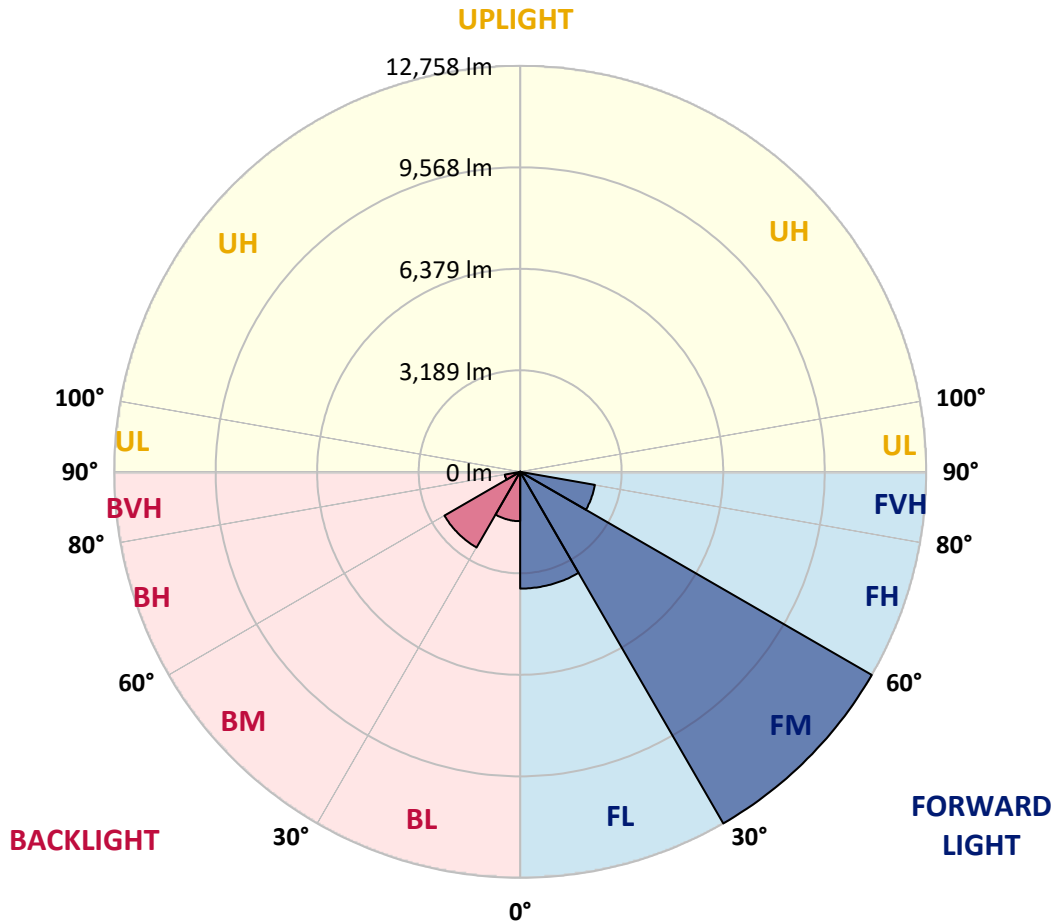
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3669.3	15.5			
FM (30°-60°)	12757.7	54.0			
FH (60°-80°)	2383.9	10.1			G2/5000
FVH (80°-90°)	18.6	0.1			G1/100
BL (0°-30°)	1550.7	6.6	B3/2500		
BM (30°-60°)	2746.7	11.6	B3/5000		
BH (60°-80°)	490.5	2.1	B1/500		G1/500
BVH (80°-90°)	6.5	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°	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5
2.5°	12675.4	12712.6	12917.0	13172.6	13307.3	13614.0	13400.3	13456.0	13339.9	12931.0	12610.4
5°	12289.8	12285.1	12545.3	13177.2	13776.6	14385.3	14403.9	14078.6	13507.1	12879.9	11983.1
7.5°	11128.2	11309.4	11578.9	12587.1	13697.6	14153.0	14371.4	13990.4	13112.2	12215.4	11244.3
10°	10250.0	10342.9	10798.3	12015.6	12828.8	13437.4	13572.2	13353.8	12680.1	11560.3	10473.0
12.5°	9743.5	9790.0	10324.3	11346.6	12206.1	12656.8	12721.9	12824.1	12340.9	11290.8	9985.2
15°	9748.2	9785.4	10505.6	11360.5	11699.7	11578.9	11792.6	11788.0	11997.1	11239.7	10394.0
17.5°	10449.8	10491.6	11142.1	11564.9	11416.2	11132.8	11118.9	11332.6	11774.0	11876.2	11012.0
20°	11657.9	11755.4	12234.0	12210.8	11374.4	10802.9	10644.9	10807.6	11834.4	12415.2	12257.3
22.5°	13284.1	13418.9	13753.4	13112.2	11564.9	10579.9	10528.8	10844.7	12234.0	13618.7	13669.8
25°	15170.6	15398.2	15560.9	14738.4	12243.3	10965.5	10723.9	11267.6	12773.0	14924.3	15467.9
27.5°	16420.4	16657.4	16620.2	15444.7	12698.7	11067.8	10863.3	11369.8	13242.3	15235.6	16406.5
30°	17396.2	17540.2	17800.4	15825.7	13154.0	11355.8	11007.4	11801.9	13395.6	15774.6	17540.2
32.5°	18534.6	18632.1	18650.7	16499.4	13855.6	11718.3	11453.4	12340.9	14074.0	16290.3	18543.9
35°	19682.2	19826.3	19524.2	17331.1	14287.7	12392.0	12196.8	13274.8	14617.6	16824.7	19649.7
37.5°	20927.5	21001.8	20304.8	17675.0	14905.7	13488.6	13381.7	14283.1	15560.9	17791.1	20876.4
40°	21972.9	22042.6	21136.6	18097.8	15556.2	15021.9	15296.0	16206.7	16843.3	18418.4	21489.7
42.5°	22553.7	22716.3	21415.3	17865.5	16861.9	16759.6	17977.0	18297.6	18330.1	18595.0	22038.0
45°	22711.7	22637.3	20955.3	18056.0	18004.9	19617.2	20723.0	21145.8	19807.7	18920.2	22177.4
47.5°	21982.2	22079.8	20277.0	17888.7	19505.7	21782.4	23213.5	23998.7	20908.9	18636.8	21833.5
50°	21392.1	21266.7	20058.6	17767.9	19909.9	22804.6	25011.7	25188.2	21921.8	18985.3	21457.2
52.5°	21508.3	21587.3	20407.1	18088.5	19919.2	22865.0	25290.5	25169.6	21954.3	18906.3	21322.4
55°	21754.5	21406.0	20258.4	17382.3	18585.7	21178.4	22446.8	22261.0	20263.0	18065.3	20992.5
57.5°	18771.5	19310.5	18627.5	15519.0	15254.2	15955.8	15932.6	16504.1	15114.8	15546.9	19110.7
60°	15235.6	15328.5	15584.1	13274.8	10556.7	10315.0	9980.5	9618.1	10171.0	13293.4	17382.3
62.5°	13400.3	13288.8	14199.5	12076.0	7452.9	6240.1	6184.4	6407.4	7847.8	12680.1	16304.3
65°	9738.9	9878.3	10538.1	9371.8	5594.3	4762.6	4678.9	5338.7	6351.7	10161.7	12443.1
67.5°	5947.4	6216.9	6277.3	5780.1	3796.1	3015.5	2894.7	3494.1	4586.0	6574.7	7294.9
70°	2746.0	3071.3	3377.9	3154.9	2197.8	1240.6	1170.9	1468.3	2313.9	3782.2	3870.5
72.5°	831.7	836.4	1170.9	1222.0	710.9	278.8	246.3	325.2	785.2	1249.9	1314.9
75°	60.4	65.0	158.0	181.2	134.7	69.7	74.3	88.3	167.3	278.8	209.1
77.5°	4.6	4.6	4.6	23.2	41.8	46.5	60.4	69.7	88.3	102.2	92.9
80°	4.6	0.0	4.6	18.6	32.5	46.5	55.8	65.0	69.7	79.0	69.7
82.5°	0.0	0.0	0.0	13.9	32.5	46.5	51.1	69.7	79.0	92.9	79.0
85°	0.0	0.0	0.0	13.9	32.5	51.1	46.5	23.2	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°	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5
2.5°	12666.1	12484.9	12071.4	11862.3	11369.8	11300.1	10816.9	10737.9	10575.2	10487.0	10273.2
5°	11588.2	11369.8	10696.1	10129.2	9469.4	9009.4	8656.3	8335.7	8149.8	7977.9	8056.9
7.5°	10710.0	10073.4	9325.4	8377.5	7615.5	7123.0	6584.0	6142.6	5882.4	5705.8	5747.6
10°	9790.0	9376.5	8335.7	7271.6	6351.7	6003.2	5580.3	5241.2	4874.1	4558.1	4409.5
12.5°	9501.9	8888.6	7583.0	6500.3	5803.4	5464.2	4981.0	4590.7	4121.4	3735.7	3601.0
15°	9553.0	8962.9	7378.5	6221.6	5399.1	4813.7	4237.5	3754.3	3238.6	2969.1	2829.7
17.5°	10384.7	9362.5	7513.3	5928.8	4836.9	4023.8	3312.9	2699.6	2313.9	2035.1	1974.7
20°	11407.0	10226.8	7801.3	5715.1	4376.9	3201.4	2420.8	1891.1	1570.5	1524.0	1510.1
22.5°	12903.1	11639.3	8419.3	5571.1	3814.7	2495.1	1658.8	1375.3	1287.1	1277.8	1282.4
25°	14994.0	13409.6	9093.0	5450.2	3391.9	1923.6	1356.8	1166.3	1138.4	1124.4	1147.7
27.5°	15900.0	14478.2	9450.8	5190.0	3006.2	1733.1	1338.2	1157.0	1078.0	1054.7	1068.7
30°	17019.8	15189.1	10013.0	4744.0	2439.4	1426.5	1249.9	1259.2	1222.0	1105.8	1068.7
32.5°	18506.7	16076.6	10296.5	4428.0	2179.2	1180.2	915.3	841.0	938.6	957.2	989.7
35°	19459.2	16978.0	10440.5	4242.2	2044.4	1008.3	776.0	706.3	683.0	687.7	706.3
37.5°	21229.5	18195.4	10621.7	4047.0	1942.2	878.2	701.6	636.6	604.0	604.0	622.6
40°	22288.9	19161.8	10868.0	3940.2	1840.0	799.2	636.6	580.8	552.9	552.9	562.2
42.5°	22553.7	19640.4	10784.3	3903.0	1723.8	780.6	580.8	539.0	506.5	501.8	497.2
45°	23027.6	20369.9	10798.3	3861.2	1603.0	710.9	548.3	501.8	455.3	450.7	446.1
47.5°	23548.0	20894.9	10826.2	3698.5	1486.9	594.7	571.5	464.6	408.9	399.6	399.6
50°	23102.0	21313.1	11067.8	3535.9	1338.2	483.2	562.2	436.8	362.4	348.5	353.1
52.5°	23157.7	21805.6	11578.9	3308.2	1152.3	385.7	455.3	413.5	329.9	306.7	311.3
55°	22265.6	21285.2	11648.6	3066.6	901.4	297.4	348.5	362.4	278.8	269.5	269.5
57.5°	19166.5	18023.5	10277.9	2485.8	594.7	246.3	250.9	316.0	241.6	232.3	237.0
60°	16401.9	14468.9	8270.6	1640.2	371.7	195.1	181.2	320.6	213.7	209.1	223.0
62.5°	14952.2	11890.2	6272.7	1017.6	255.6	148.7	125.5	260.2	185.9	185.9	204.4
65°	10802.9	7987.2	3647.4	534.3	181.2	116.2	92.9	148.7	153.3	158.0	167.3
67.5°	6690.8	4033.1	1538.0	260.2	120.8	79.0	60.4	92.9	102.2	102.2	111.5
70°	3303.6	1607.7	511.1	148.7	92.9	65.0	41.8	51.1	51.1	46.5	51.1
72.5°	1022.2	483.2	130.1	92.9	65.0	41.8	23.2	18.6	9.3	0.0	4.6
75°	116.2	92.9	83.6	65.0	41.8	18.6	4.6	0.0	0.0	0.0	0.0
77.5°	69.7	79.0	79.0	65.0	41.8	13.9	0.0	0.0	0.0	0.0	0.0
80°	55.8	60.4	65.0	60.4	37.2	18.6	0.0	0.0	0.0	0.0	0.0
82.5°	69.7	79.0	88.3	79.0	51.1	23.2	9.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	13.9	4.6	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°	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5
2.5°	10184.9	10082.7	10226.8	10013.0	10008.4	10013.0	9952.6	9896.9	9985.2	10222.1	10245.4
5°	7773.5	7991.8	8061.5	8289.2	8163.8	7977.9	8015.1	7889.6	8196.3	8331.0	8224.2
7.5°	5659.3	5645.4	6114.7	6142.6	6203.0	6207.6	6198.3	5952.1	5701.2	5756.9	5924.2
10°	4390.9	4153.9	4381.6	4358.3	4507.0	4465.2	4525.6	4260.8	4349.0	4349.0	4455.9
12.5°	3577.7	3326.8	3285.0	3224.6	3285.0	3308.2	3331.5	3280.4	3429.1	3498.8	3573.1
15°	2732.1	2592.7	2555.5	2439.4	2458.0	2523.0	2578.8	2602.0	2555.5	2662.4	2671.7
17.5°	1984.0	1979.4	2002.6	1998.0	1979.4	1965.4	1960.8	1900.4	1881.8	1891.1	1928.3
20°	1505.4	1542.6	1621.6	1700.6	1742.4	1691.3	1621.6	1519.4	1477.6	1486.9	1491.5
22.5°	1287.1	1342.8	1449.7	1538.0	1579.8	1486.9	1361.4	1273.1	1254.5	1249.9	1245.2
25°	1166.3	1231.3	1310.3	1338.2	1333.5	1277.8	1184.8	1147.7	1138.4	1129.1	1087.3
27.5°	1101.2	1124.4	1138.4	1170.9	1184.8	1147.7	1124.4	1068.7	1059.4	1059.4	1031.5
30°	1064.0	1050.1	1068.7	1045.4	1064.0	1036.2	1040.8	1040.8	1017.6	1026.9	1026.9
32.5°	989.7	994.3	994.3	947.9	961.8	929.3	961.8	989.7	994.3	999.0	1036.2
35°	724.8	808.5	850.3	850.3	864.2	841.0	836.4	803.8	762.0	720.2	701.6
37.5°	636.6	669.1	724.8	757.4	780.6	762.0	720.2	669.1	645.9	627.3	608.7
40°	566.9	594.7	631.9	669.1	715.5	692.3	627.3	604.0	576.2	576.2	557.6
42.5°	511.1	525.0	548.3	604.0	655.1	608.7	562.2	543.6	529.7	525.0	520.4
45°	460.0	464.6	487.9	534.3	594.7	548.3	501.8	478.6	483.2	487.9	483.2
47.5°	413.5	422.8	436.8	492.5	529.7	506.5	455.3	441.4	441.4	441.4	446.1
50°	357.8	381.0	408.9	455.3	483.2	469.3	427.5	408.9	399.6	399.6	404.2
52.5°	320.6	339.2	376.4	432.1	469.3	446.1	404.2	376.4	357.8	353.1	362.4
55°	278.8	311.3	371.7	413.5	464.6	441.4	394.9	362.4	329.9	325.2	325.2
57.5°	250.9	302.0	357.8	408.9	450.7	432.1	394.9	353.1	311.3	306.7	306.7
60°	237.0	292.7	348.5	394.9	450.7	422.8	390.3	343.8	297.4	297.4	292.7
62.5°	223.0	274.1	329.9	376.4	432.1	408.9	376.4	329.9	283.4	283.4	274.1
65°	185.9	237.0	274.1	316.0	376.4	353.1	320.6	288.1	250.9	241.6	246.3
67.5°	130.1	162.6	199.8	241.6	278.8	269.5	255.6	232.3	199.8	195.1	190.5
70°	65.0	88.3	120.8	162.6	195.1	185.9	176.6	158.0	139.4	134.7	134.7
72.5°	9.3	27.9	51.1	74.3	102.2	106.9	102.2	97.6	92.9	88.3	92.9
75°	0.0	0.0	0.0	18.6	41.8	51.1	60.4	69.7	69.7	60.4	74.3
77.5°	0.0	0.0	0.0	0.0	4.6	23.2	46.5	60.4	74.3	65.0	88.3
80°	0.0	0.0	0.0	0.0	4.6	27.9	46.5	65.0	74.3	65.0	92.9
82.5°	0.0	0.0	0.0	0.0	4.6	32.5	46.5	60.4	69.7	65.0	83.6
85°	0.0	0.0	0.0	0.0	13.9	27.9	18.6	9.3	4.6	4.6	13.9
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: P531485

CATALOG NUMBER: GALN-SA6D-735-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5	11978.5
2.5°	10375.5	10705.3	11058.5	11193.2	11611.4	11927.4	12141.1	12601.1	12670.8	12675.4
5°	8335.7	8502.9	9107.0	9390.4	10013.0	10496.3	11012.0	11755.4	12252.6	12289.8
7.5°	5924.2	6388.8	6644.4	7383.2	8149.8	8907.2	9673.8	10538.1	11114.2	11128.2
10°	4767.2	5069.2	5524.6	6077.5	6723.4	7494.7	8516.9	9520.5	10106.0	10250.0
12.5°	3837.9	4367.6	4888.0	5459.5	5952.1	6532.9	7634.1	8972.2	9455.5	9743.5
15°	2955.1	3438.3	4051.7	4720.8	5278.3	6054.3	7308.8	8837.5	9650.6	9748.2
17.5°	2179.2	2611.3	3178.2	3810.1	4646.4	5747.6	7364.6	9520.5	10287.2	10449.8
20°	1565.8	1816.7	2262.8	2996.9	4061.0	5389.8	7420.3	10212.8	11379.1	11657.9
22.5°	1240.6	1342.8	1635.5	2286.0	3405.8	5013.5	7815.3	11537.1	12879.9	13284.1
25°	1078.0	1133.7	1273.1	1802.8	2992.3	4976.3	8447.2	13126.1	14877.8	15170.6
27.5°	1040.8	1050.1	1170.9	1654.1	2769.3	4730.1	8688.8	14255.2	16123.1	16420.4
30°	1096.6	1245.2	1254.5	1398.6	2355.7	4242.2	8814.3	15347.1	17177.8	17396.2
32.5°	947.9	901.4	933.9	1082.6	2072.3	3958.7	9051.2	16299.6	18381.2	18534.6
35°	659.8	692.3	766.7	938.6	1812.1	3661.4	9111.6	17349.7	19524.2	19682.2
37.5°	608.7	627.3	687.7	799.2	1593.7	3494.1	9028.0	18116.4	20709.1	20927.5
40°	566.9	590.1	622.6	724.8	1431.1	3308.2	8911.8	18808.7	21433.9	21972.9
42.5°	534.3	552.9	580.8	692.3	1291.7	3122.4	8749.2	19784.4	22084.4	22553.7
45°	497.2	525.0	557.6	673.7	1212.7	2996.9	8628.4	19724.0	22460.8	22711.7
47.5°	460.0	506.5	543.6	627.3	1189.5	2936.5	8679.5	19496.4	22154.1	21982.2
50°	422.8	483.2	548.3	520.4	1133.7	2815.7	8739.9	19807.7	21424.6	21392.1
52.5°	390.3	460.0	511.1	427.5	1008.3	2699.6	9325.4	20216.6	21940.4	21508.3
55°	343.8	413.5	408.9	343.8	817.8	2611.3	9785.4	20225.9	21591.9	21754.5
57.5°	311.3	367.1	320.6	288.1	604.0	2183.8	9037.3	16959.4	18483.5	18771.5
60°	288.1	357.8	241.6	227.7	394.9	1575.1	7889.6	13135.4	14692.0	15235.6
62.5°	264.8	339.2	190.5	185.9	274.1	1119.8	6486.4	10993.4	12661.5	13400.3
65°	232.3	241.6	153.3	144.0	195.1	604.0	3949.5	7569.0	9464.8	9738.9
67.5°	190.5	185.9	125.5	116.2	130.1	292.7	1742.4	3791.5	5487.4	5947.4
70°	153.3	153.3	106.9	92.9	92.9	134.7	455.3	1510.1	2481.2	2746.0
72.5°	111.5	116.2	83.6	74.3	69.7	65.0	74.3	302.0	650.5	831.7
75°	97.6	102.2	83.6	65.0	51.1	41.8	32.5	27.9	37.2	60.4
77.5°	106.9	106.9	88.3	60.4	46.5	32.5	18.6	9.3	9.3	4.6
80°	134.7	139.4	116.2	79.0	55.8	37.2	23.2	9.3	4.6	4.6
82.5°	144.0	158.0	130.1	97.6	69.7	41.8	23.2	4.6	0.0	0.0
85°	37.2	60.4	102.2	88.3	69.7	41.8	23.2	4.6	0.0	0.0
87.5°	0.0	4.6	13.9	13.9	18.6	18.6	13.9	4.6	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)