

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: P531409

Luminaire Tested: **GALN-SA6D-722-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-722-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18643 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

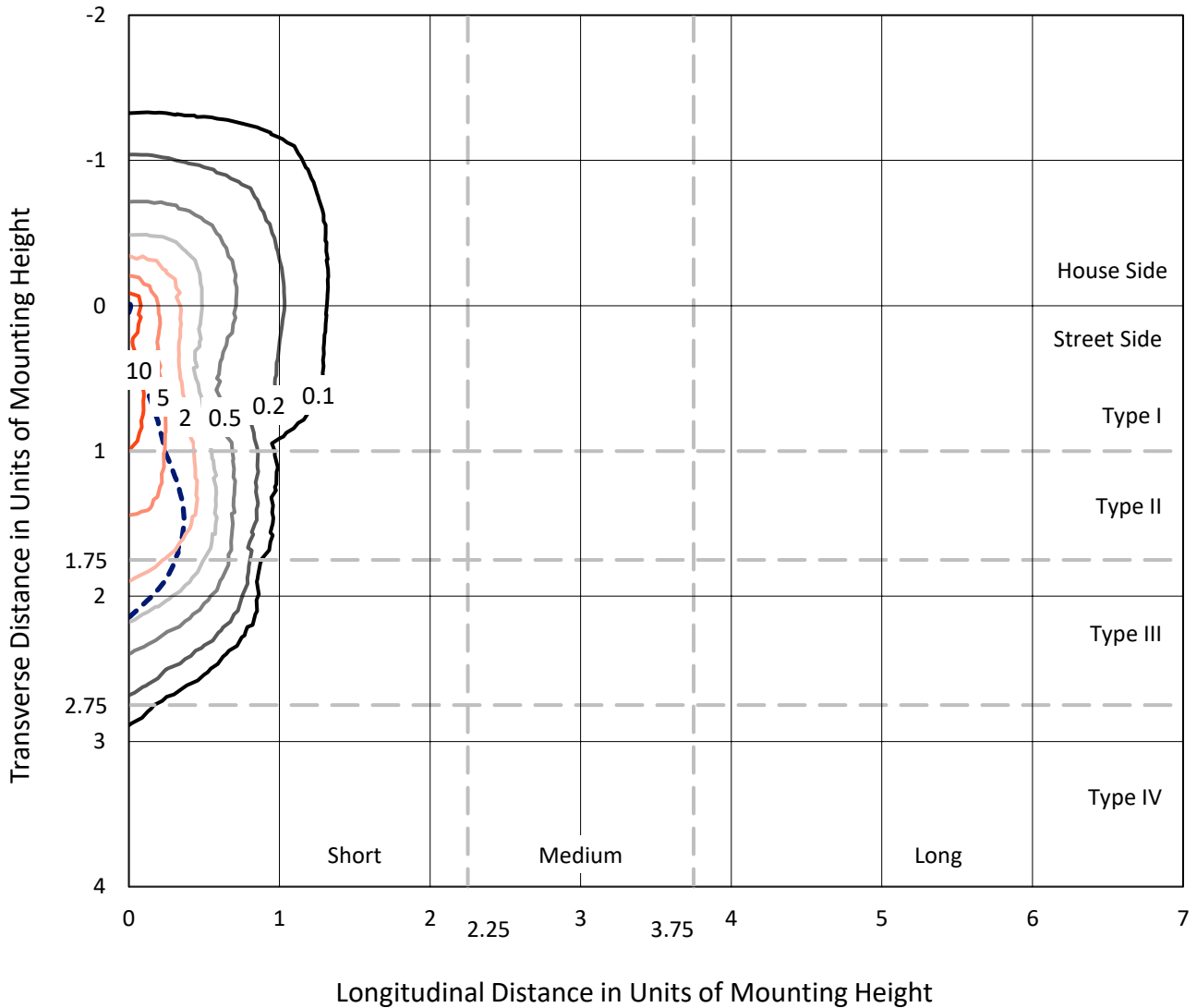
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

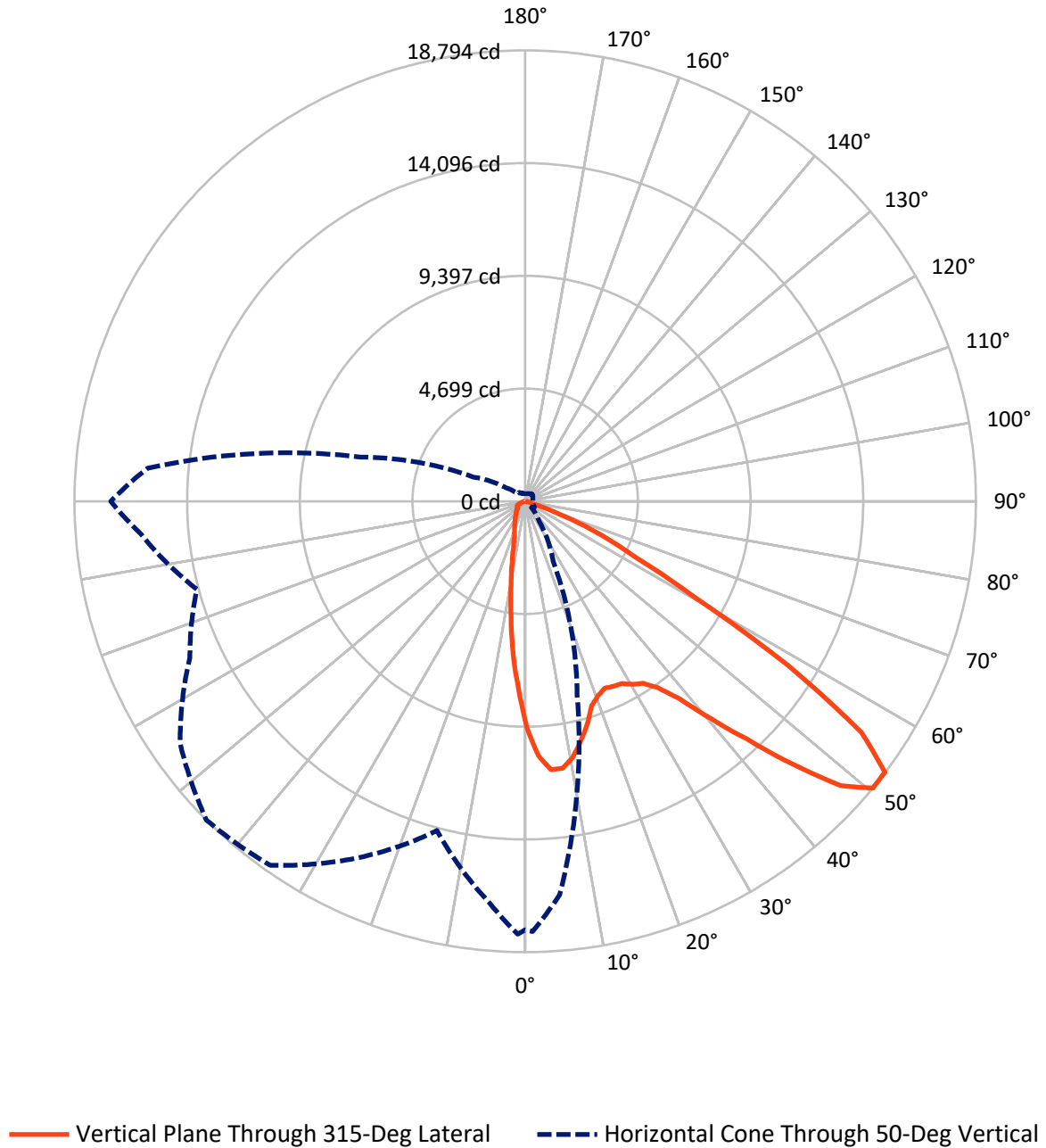
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 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	3734.2	0.0	3734.2
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	14908.8	0.0	14908.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	18643.0	0.0	18643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.1	3.7
10°-20°	1369.6	7.3
20°-30°	2057.6	11.0
30°-40°	3088.3	16.6
40°-50°	4340.4	23.3
50°-60°	4681.9	25.1
60°-70°	2173.8	11.7
70°-80°	204.5	1.1
80°-90°	37.7	0.2
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°	18643.0	100.0
0°-180°	18643.0	100.0

Coefficient of Utilization



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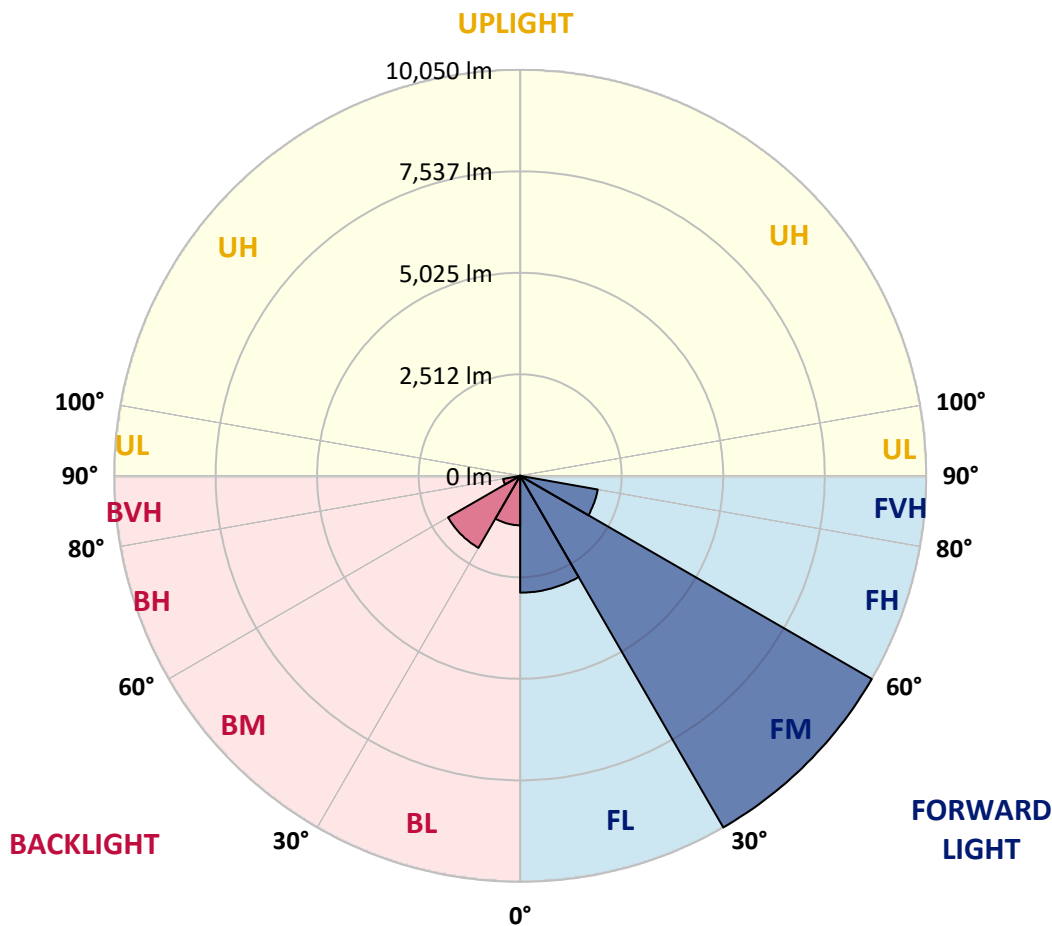
CATALOG NUMBER: GALN-SA6D-722-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2892.3	15.5			
FM (30°-60°)	10050.0	53.9			
FH (60°-80°)	1949.6	10.5			G2/5000
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	1224.0	6.6	B3/2500		
BM (30°-60°)	2060.7	11.1	B2/2500		
BH (60°-80°)	428.8	2.3	B1/500		G1/500
BVH (80°-90°)	20.7	0.1			G1/100
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°	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4
2.5°	9827.9	9676.3	9483.9	9324.9	9088.2	8611.0	8481.5	8326.2	8196.7	8022.9	7778.8
5°	8936.5	8888.4	8799.6	8200.4	7767.7	7190.6	6717.2	6517.4	6254.8	6040.3	5884.9
7.5°	8255.9	8063.6	7782.5	7179.5	6487.8	5870.1	5344.9	5037.9	4690.2	4571.8	4361.0
10°	7527.2	7571.6	7157.3	6310.3	5474.4	4975.0	4649.5	4353.6	4039.2	3832.0	3532.4
12.5°	7294.2	7149.9	6831.8	5785.1	5071.2	4605.1	4209.3	3843.1	3510.2	3177.3	2888.8
15°	7445.9	7223.9	6780.1	5674.1	4760.5	4179.7	3684.1	3188.4	2881.4	2456.1	2156.5
17.5°	7989.6	7812.0	7216.5	5792.5	4601.4	3772.9	3036.8	2526.3	2056.6	1671.9	1520.2
20°	8895.8	8644.3	7897.1	5944.1	4364.7	3280.9	2463.5	1834.6	1390.8	1228.0	1143.0
22.5°	9783.6	9646.7	8703.5	6236.3	4153.8	2844.4	1849.4	1235.4	1039.4	1009.8	954.3
25°	11473.9	11063.4	9935.2	6765.3	3991.1	2433.9	1394.5	995.0	880.3	858.1	865.5
27.5°	12480.0	12136.0	11074.5	7116.7	3809.9	2119.5	1179.9	913.6	835.9	787.9	769.4
30°	13445.4	13046.0	11640.4	7323.8	3421.5	1786.6	1046.8	876.6	858.1	787.9	765.7
32.5°	14188.9	13796.8	12457.8	7634.5	3262.4	1572.0	861.8	684.3	636.2	628.8	695.4
35°	15328.2	14910.2	13156.9	7804.6	3140.4	1461.1	747.2	610.3	554.8	532.6	536.3
37.5°	16389.8	16104.9	13804.2	7871.2	3010.9	1427.8	669.5	547.4	499.3	484.6	480.9
40°	17277.5	16641.3	14418.3	7941.5	2955.4	1364.9	621.4	499.3	466.1	443.9	443.9
42.5°	17684.4	17037.1	15106.2	7900.8	2940.6	1265.0	621.4	458.7	432.8	410.6	406.9
45°	17595.6	17333.0	15413.3	7882.3	2940.6	1165.1	565.9	447.6	410.6	381.0	373.6
47.5°	17824.9	17480.9	15797.9	7960.0	2881.4	1094.9	477.2	469.8	388.4	351.4	344.0
50°	17865.6	17932.2	16467.4	8363.2	2752.0	1006.1	373.6	462.4	373.6	318.1	310.7
52°	18131.9	17717.7	16670.9	8577.7	2615.1	939.5	314.4	395.8	358.8	295.9	288.5
52.5°	17765.7	18035.8	16719.0	8655.4	2629.9	895.1	303.3	388.4	351.4	295.9	277.4
55°	17355.2	17614.1	16522.9	8821.8	2411.7	702.8	236.7	281.1	318.1	258.9	247.8
57.5°	15084.1	15346.7	14359.1	8078.4	1964.1	495.7	196.0	210.8	281.1	240.4	229.3
60°	13408.5	13219.8	12051.0	6739.4	1394.5	277.4	155.4	162.8	307.0	221.9	218.2
62.5°	12254.4	11851.2	10072.1	5204.3	850.7	184.9	122.1	125.8	236.7	207.1	207.1
65°	9066.0	8614.7	6691.3	3147.8	418.0	129.5	92.5	99.9	148.0	177.5	177.5
67.5°	5174.7	5000.9	3232.8	1420.4	173.8	81.4	70.3	77.7	114.7	144.3	136.9
70°	2378.4	2134.3	1242.8	299.6	81.4	55.5	55.5	62.9	92.5	107.3	99.9
72.5°	695.4	658.4	303.3	48.1	33.3	33.3	37.0	48.1	70.3	81.4	74.0
75°	51.8	33.3	22.2	14.8	14.8	22.2	29.6	48.1	70.3	77.7	62.9
77.5°	3.7	7.4	3.7	3.7	11.1	22.2	33.3	59.2	92.5	96.2	70.3
80°	3.7	3.7	0.0	3.7	11.1	22.2	37.0	66.6	103.6	111.0	59.2
82.5°	0.0	0.0	0.0	3.7	14.8	29.6	44.4	70.3	96.2	118.4	62.9
85°	0.0	0.0	0.0	3.7	22.2	40.7	51.8	18.5	11.1	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°	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4
2.5°	7952.6	7856.4	7819.4	7852.7	7841.6	7830.5	8034.0	7989.6	7982.2	8048.8	8034.0
5°	5970.0	5799.9	6265.9	6077.3	6273.3	6391.7	6413.9	6425.0	6561.8	6417.6	6606.2
7.5°	4253.7	4298.1	4294.4	4420.2	4645.8	4845.5	4963.9	4871.4	4864.0	4845.5	4764.2
10°	3399.3	3321.6	3306.8	3277.2	3347.5	3517.6	3661.9	3547.2	3465.9	3576.8	3543.5
12.5°	2777.9	2670.6	2611.4	2493.0	2496.7	2611.4	2611.4	2611.4	2692.8	2755.7	2803.8
15°	2130.6	2041.8	2041.8	1923.4	1897.5	1901.2	1960.4	1967.8	2097.3	2134.3	2152.8
17.5°	1490.7	1442.6	1498.0	1546.1	1516.5	1523.9	1546.1	1553.5	1572.0	1557.2	1594.2
20°	1146.7	1139.3	1154.1	1239.1	1302.0	1339.0	1313.1	1276.1	1253.9	1202.1	1202.1
22.5°	972.8	987.6	1013.5	1083.8	1165.1	1187.3	1157.8	1072.7	1006.1	998.7	1002.4
25°	865.5	880.3	921.0	965.4	1009.8	1046.8	1017.2	954.3	917.3	884.0	884.0
27.5°	799.0	806.4	828.6	861.8	898.8	928.4	917.3	884.0	843.3	828.6	795.3
30°	747.2	758.3	784.2	791.6	824.9	839.6	821.2	813.8	787.9	769.4	758.3
32.5°	721.3	717.6	736.1	743.5	747.2	758.3	736.1	747.2	743.5	713.9	702.8
35°	543.7	573.3	621.4	662.1	673.2	688.0	684.3	669.5	628.8	595.5	554.8
37.5°	488.3	506.7	532.6	565.9	610.3	628.8	621.4	584.4	536.3	514.1	506.7
40°	451.3	462.4	484.6	506.7	551.1	584.4	558.5	525.2	488.3	469.8	458.7
42.5°	418.0	421.7	432.8	455.0	488.3	540.0	495.7	451.3	436.5	425.4	418.0
45°	381.0	381.0	395.8	406.9	443.9	492.0	447.6	406.9	399.5	392.1	388.4
47.5°	351.4	355.1	362.5	377.3	406.9	440.2	410.6	377.3	358.8	355.1	347.7
50°	314.4	318.1	332.9	347.7	384.7	403.2	384.7	347.7	329.2	318.1	318.1
52°	284.8	295.9	310.7	340.3	366.2	395.8	373.6	332.9	310.7	299.6	292.2
52.5°	281.1	288.5	303.3	336.6	366.2	392.1	369.9	329.2	303.3	295.9	288.5
55°	251.5	262.6	288.5	329.2	362.5	392.1	362.5	325.5	288.5	270.0	262.6
57.5°	240.4	247.8	281.1	332.9	358.8	392.1	362.5	325.5	288.5	255.2	247.8
60°	229.3	244.1	281.1	321.8	355.1	395.8	366.2	321.8	281.1	240.4	240.4
62.5°	218.2	229.3	277.4	314.4	340.3	381.0	351.4	314.4	270.0	229.3	225.6
65°	188.6	207.1	244.1	262.6	292.2	329.2	299.6	273.7	236.7	203.4	199.7
67.5°	144.3	151.7	181.2	203.4	221.9	255.2	240.4	207.1	181.2	155.4	155.4
70°	99.9	107.3	129.5	140.6	159.1	177.5	166.4	140.6	122.1	107.3	103.6
72.5°	70.3	74.0	81.4	88.8	96.2	103.6	99.9	81.4	70.3	66.6	62.9
75°	55.5	62.9	66.6	62.9	59.2	55.5	55.5	48.1	40.7	37.0	37.0
77.5°	55.5	59.2	55.5	48.1	40.7	37.0	33.3	29.6	22.2	18.5	22.2
80°	48.1	48.1	48.1	40.7	37.0	33.3	29.6	25.9	22.2	18.5	18.5
82.5°	51.8	51.8	48.1	40.7	40.7	33.3	33.3	29.6	25.9	18.5	18.5
85°	0.0	0.0	0.0	7.4	18.5	33.3	33.3	29.6	25.9	22.2	22.2
87.5°	0.0	0.0	0.0	0.0	3.7	7.4	14.8	18.5	22.2	22.2	22.2
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°	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4
2.5°	8167.1	8307.7	8574.0	8840.3	9003.1	9195.4	9543.1	9728.1	9968.5	10086.9	10319.9
5°	6580.3	6913.2	7031.6	7334.9	7660.4	7985.9	8503.7	9073.4	9546.8	9872.3	10294.0
7.5°	4801.2	4878.8	5337.5	5540.9	6073.6	6665.4	7371.9	8089.5	8688.7	9221.3	9543.1
10°	3599.0	3883.8	4172.3	4560.7	4989.8	5600.1	6277.0	7068.6	7845.3	8378.0	8784.9
12.5°	2892.5	3118.2	3502.8	3920.8	4449.8	4852.9	5533.5	6317.7	7323.8	7845.3	8381.7
15°	2189.7	2478.3	2914.7	3347.5	3906.0	4331.4	5019.4	6007.0	7301.6	8019.2	8481.5
17.5°	1623.8	1819.9	2211.9	2696.5	3266.1	3865.3	4793.8	5973.7	7549.4	8403.9	8881.0
20°	1242.8	1309.4	1557.2	1990.0	2607.7	3391.9	4427.6	6118.0	8281.8	9339.7	9824.2
22.5°	1006.1	1035.7	1131.9	1431.5	2030.7	2977.6	4253.7	6217.8	9106.7	10460.4	11107.8
25°	876.6	869.2	932.1	1061.6	1586.8	2589.2	4031.8	6595.1	10116.5	11777.3	12358.0
27.5°	799.0	799.0	828.6	921.0	1316.8	2337.7	3891.2	6865.1	11133.6	12935.0	13249.4
30°	758.3	765.7	850.7	880.3	1094.9	2038.1	3658.2	7138.8	12106.5	13674.8	14107.5
32.5°	702.8	673.2	654.7	728.7	921.0	1768.1	3425.2	7253.5	12894.3	14581.0	14950.9
35°	540.0	525.2	547.4	602.9	791.6	1538.7	3166.2	7383.0	13800.5	15631.5	15705.5
37.5°	488.3	484.6	499.3	547.4	665.8	1339.0	2981.3	7349.7	14492.2	16500.7	16301.0
40°	451.3	451.3	462.4	503.0	595.5	1198.4	2789.0	7320.1	15161.7	17477.2	16892.8
42.5°	421.7	421.7	440.2	466.1	565.9	1106.0	2644.7	7279.4	15724.0	18076.5	17240.5
45°	381.0	392.1	421.7	447.6	573.3	1043.1	2537.4	7124.1	15916.3	18069.1	17074.1
47.5°	351.4	366.2	395.8	432.8	517.8	1024.6	2463.5	6987.2	15849.7	17625.2	16552.5
50°	318.1	336.6	377.3	440.2	440.2	987.6	2385.8	7109.3	15801.6	17281.2	16053.2
52°	295.9	310.7	362.5	429.1	384.7	909.9	2337.7	7346.0	15997.7	17236.8	15831.2
52.5°	292.2	303.3	351.4	421.7	366.2	895.1	2304.4	7401.5	16060.6	17125.8	15982.9
55°	258.9	273.7	321.8	329.2	299.6	736.1	2197.1	7527.2	15749.9	16907.6	15838.6
57.5°	244.1	251.5	284.8	270.0	258.9	554.8	1890.1	7331.2	13989.2	15017.5	14736.4
60°	225.6	233.0	266.3	210.8	218.2	388.4	1420.4	6365.8	11233.5	12513.3	13020.1
62.5°	218.2	214.5	251.5	170.1	184.9	281.1	1002.4	5174.7	8655.4	10301.4	11178.0
65°	192.3	188.6	181.2	144.3	159.1	218.2	599.2	3377.1	6099.5	7793.6	8274.4
67.5°	148.0	155.4	133.2	114.7	133.2	170.1	332.9	1512.8	3199.5	4675.4	5063.8
70°	103.6	111.0	107.3	99.9	118.4	140.6	192.3	517.8	1324.2	2456.1	2707.6
72.5°	62.9	77.7	81.4	85.1	103.6	122.1	136.9	166.4	351.4	869.2	1080.1
75°	37.0	51.8	62.9	74.0	85.1	103.6	114.7	118.4	122.1	162.8	262.6
77.5°	25.9	37.0	55.5	70.3	85.1	103.6	122.1	129.5	122.1	114.7	122.1
80°	22.2	37.0	51.8	66.6	88.8	107.3	122.1	122.1	118.4	103.6	111.0
82.5°	22.2	37.0	55.5	70.3	85.1	103.6	118.4	122.1	111.0	103.6	107.3
85°	25.9	40.7	59.2	74.0	92.5	85.1	77.7	62.9	59.2	48.1	51.8
87.5°	25.9	37.0	37.0	40.7	44.4	44.4	44.4	40.7	33.3	29.6	29.6
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: P531409

CATALOG NUMBER: GALN-SA6D-722-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4	9454.4
2.5°	10331.0	10626.9	10615.8	10623.2	10578.8	10279.2	10134.9	9768.8	9872.3	9827.9
5°	10726.8	11019.0	11270.5	11240.9	10900.6	10493.7	9890.8	9321.2	9165.8	8936.5
7.5°	10331.0	11033.8	11266.8	11233.5	10730.5	10208.9	9247.2	8677.6	8407.6	8255.9
10°	9702.2	10515.9	10804.4	10863.6	10523.3	9731.8	8847.7	7934.1	7789.9	7527.2
12.5°	9343.4	9935.2	10112.8	10271.8	10153.4	9561.6	8544.4	7667.8	7468.0	7294.2
15°	9051.2	9402.6	9476.5	9657.8	9728.1	9410.0	8703.5	7956.3	7464.4	7445.9
17.5°	9321.2	9176.9	8906.9	8962.4	9184.3	9413.7	9114.1	8525.9	8048.8	7989.6
20°	9768.8	9132.5	8522.2	8659.1	8844.0	9546.8	9735.5	9321.2	9047.5	8895.8
22.5°	10282.9	9210.2	8400.2	8466.7	8818.1	9846.4	10741.6	10512.2	10001.8	9783.6
25°	11233.5	9424.8	8496.3	8540.7	9021.6	10264.4	11651.5	11821.6	11518.3	11473.9
27.5°	12161.9	9979.6	8707.2	8607.3	9125.2	10671.3	12202.6	13116.2	12583.6	12480.0
30°	12635.4	10430.9	9021.6	8851.4	9554.2	10919.1	12535.5	13959.6	13493.5	13445.4
32.5°	13360.4	10841.4	9265.7	9047.5	9794.6	11226.1	13156.9	14880.6	14429.4	14188.9
35°	13663.7	11289.0	9802.0	9546.8	10482.6	11655.2	13475.0	15701.8	15561.2	15328.2
37.5°	14248.1	11769.9	10434.6	10419.8	11314.9	12213.7	14048.4	16818.8	16792.9	16389.8
40°	14296.2	12295.1	11433.3	11899.3	12602.1	13186.5	14551.4	17129.5	17551.2	17277.5
42.5°	14370.2	13216.1	13160.6	13545.3	14148.2	14022.5	14569.9	17203.5	17847.1	17684.4
45°	14403.5	14137.1	14917.6	15627.8	15879.3	15117.3	14396.1	17063.0	18002.5	17595.6
47.5°	14137.1	14928.7	16338.0	17710.3	17784.2	15790.5	14322.1	16918.7	18094.9	17824.9
50°	14174.1	15424.4	17566.0	18794.0	18524.0	16386.1	14207.4	16829.9	18046.9	17865.6
52°	14085.4	15435.4	17739.9	18771.8	18583.2	16056.9	14011.4	16489.6	18002.5	18131.9
52.5°	14185.2	15368.9	17558.6	18786.6	18542.5	16219.6	13985.5	16678.3	18028.4	17765.7
55°	13841.2	14577.3	16497.0	17018.6	16981.6	14721.6	13190.2	16053.2	17351.5	17355.2
57.5°	12509.6	12635.4	12938.7	12927.6	12757.5	11573.8	11281.6	14762.3	15468.7	15084.1
60°	11022.7	9250.9	8433.5	8100.6	7911.9	7719.6	9979.6	13504.6	13571.2	13408.5
62.5°	9524.6	6413.9	5326.4	5233.9	5278.3	5981.1	9646.7	13005.3	12605.8	12254.4
65°	7686.3	4675.4	3869.0	3747.0	4179.7	4938.0	7808.3	9972.2	9358.2	9066.0
67.5°	4827.0	3410.4	2615.1	2385.8	2907.3	3399.3	5130.4	6265.9	5577.9	5174.7
70°	2862.9	1904.9	1183.6	1061.6	1194.7	1812.5	2874.0	3125.6	2585.5	2378.4
72.5°	1128.2	699.1	329.2	281.1	292.2	636.2	1057.9	1032.0	780.5	695.4
75°	303.3	210.8	114.7	92.5	77.7	118.4	170.1	111.0	40.7	51.8
77.5°	140.6	125.8	99.9	77.7	59.2	44.4	22.2	7.4	7.4	3.7
80°	122.1	107.3	92.5	77.7	59.2	37.0	18.5	3.7	3.7	3.7
82.5°	114.7	99.9	85.1	70.3	55.5	37.0	18.5	3.7	0.0	0.0
85°	48.1	62.9	70.3	66.6	59.2	37.0	18.5	3.7	0.0	0.0
87.5°	25.9	22.2	18.5	14.8	11.1	7.4	7.4	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

(END OF REPORT)