

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: P530759

Luminaire Tested: **GALN-SA6A-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530759
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-SA6A-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 13653 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

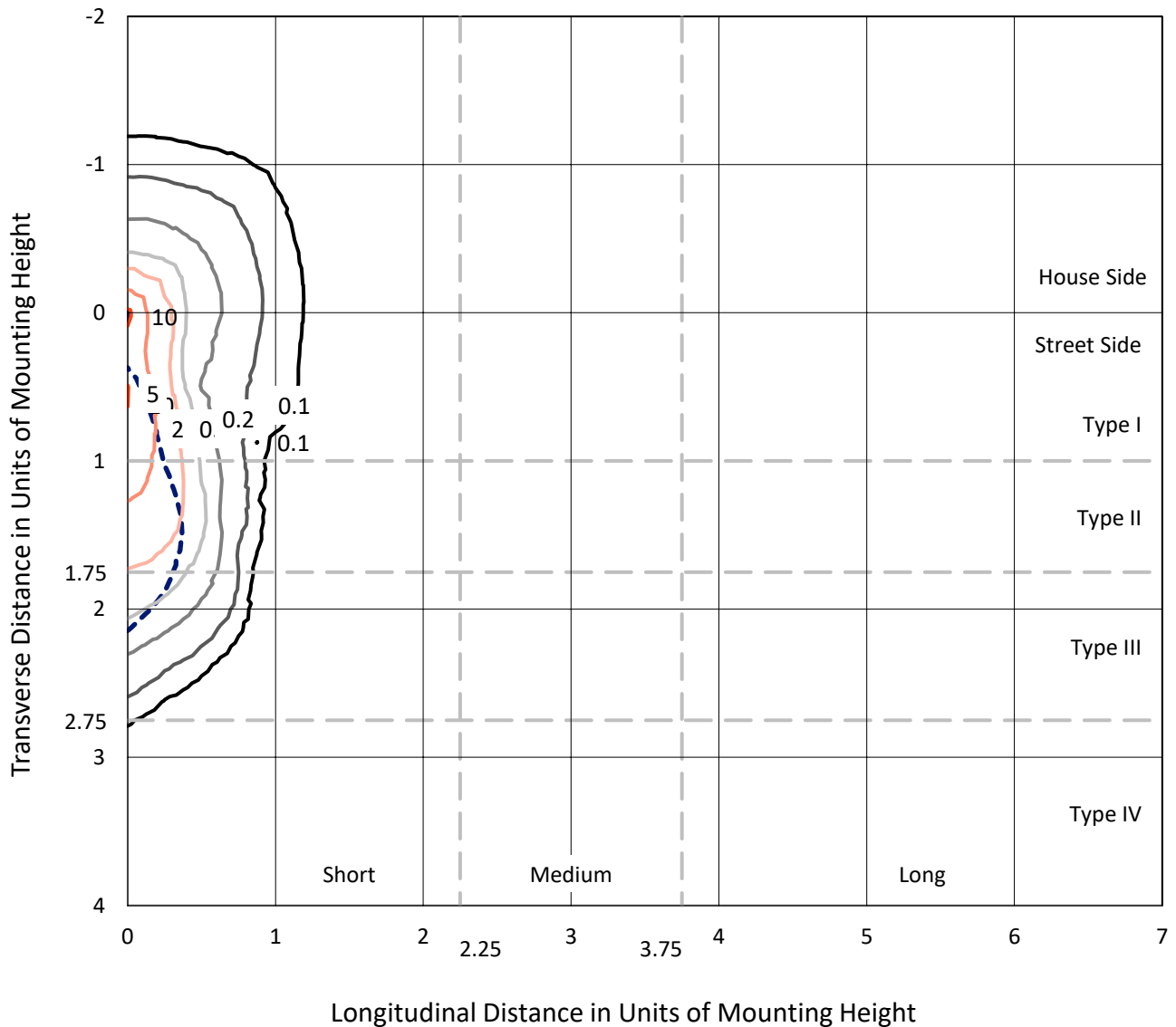
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

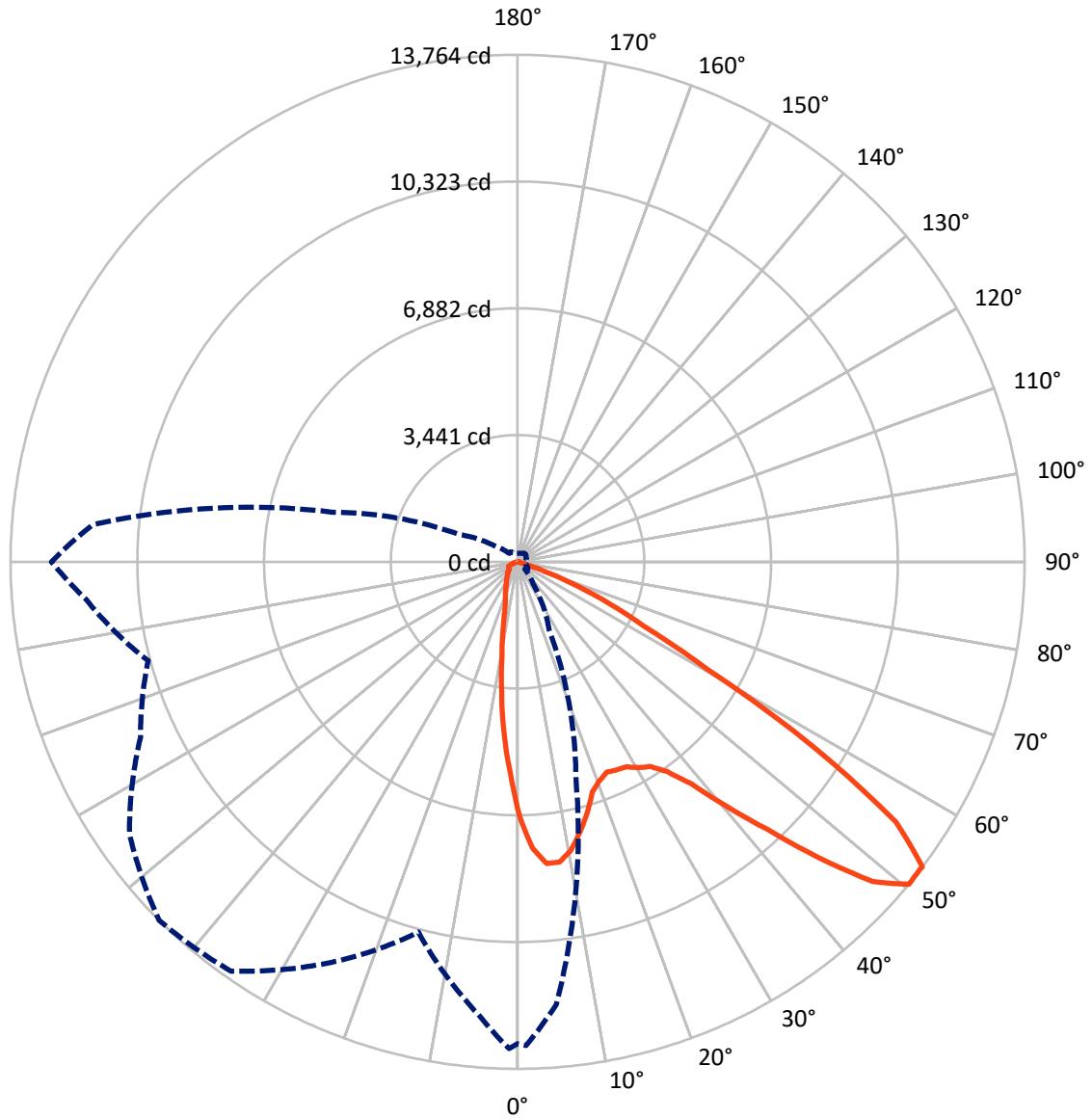
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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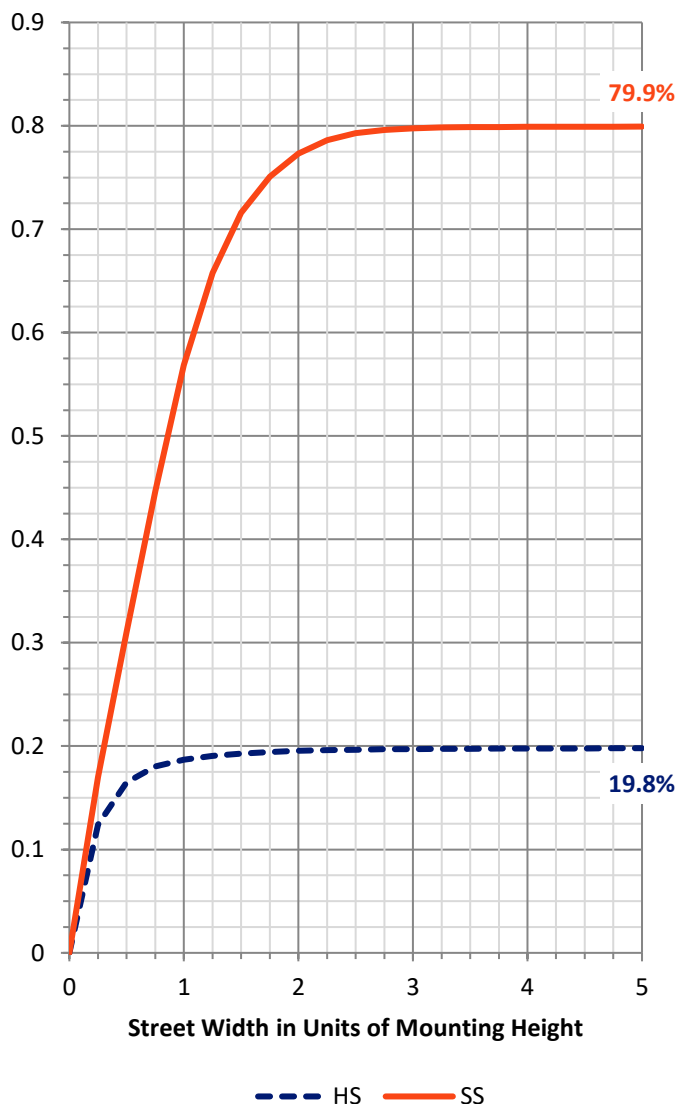
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2734.7	0.0	2734.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	10918.3	0.0	10918.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	13653.0	0.0	13653.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.7	3.7
10°-20°	1003.0	7.3
20°-30°	1506.8	11.0
30°-40°	2261.7	16.6
40°-50°	3178.7	23.3
50°-60°	3428.8	25.1
60°-70°	1592.0	11.7
70°-80°	149.8	1.1
80°-90°	27.6	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°	13653.0	100.0
0°-180°	13653.0	100.0

Coefficient of Utilization

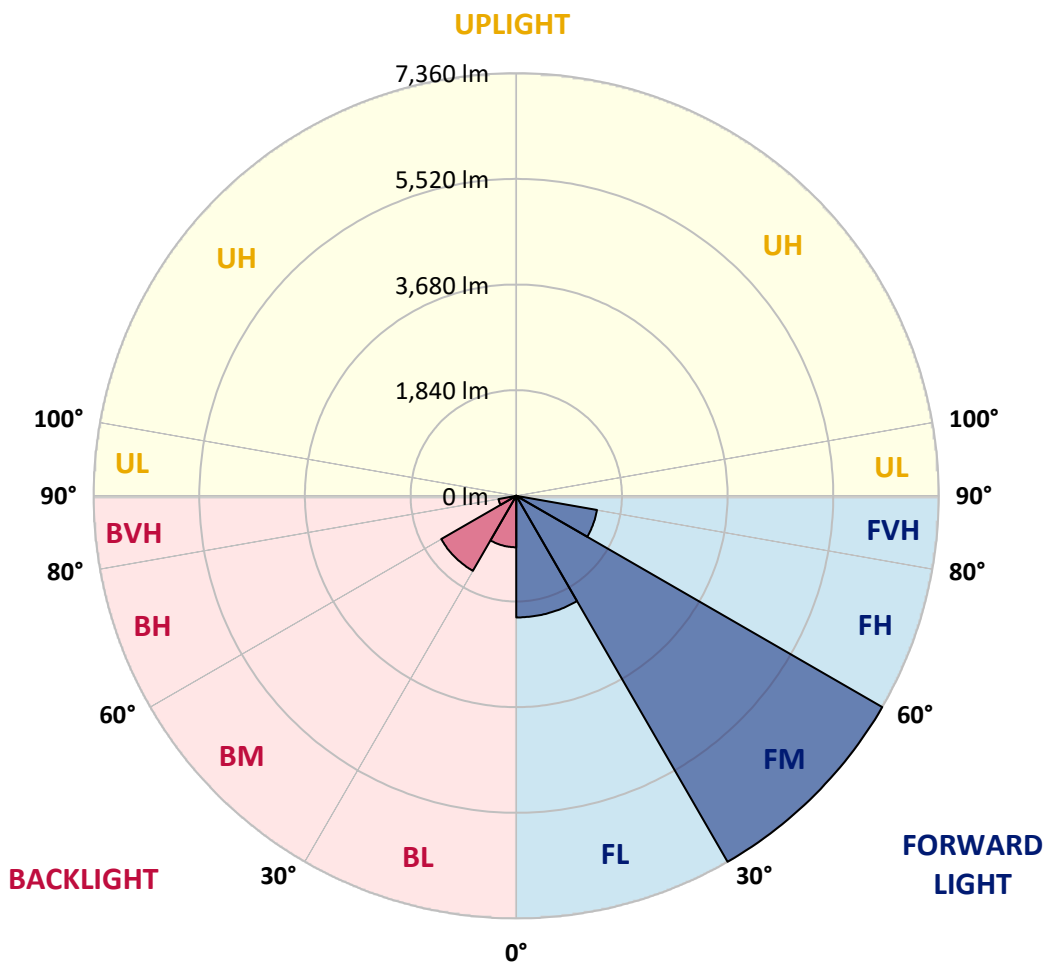


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2118.1	15.5			
FM (30°-60°)	7360.0	53.9			
FH (60°-80°)	1427.7	10.5			G1/1800
FVH (80°-90°)	12.4	0.1			G1/100
BL (0°-30°)	896.4	6.6	B2/1000		
BM (30°-60°)	1509.1	11.1	B2/2500		
BH (60°-80°)	314.0	2.3	B1/500		G1/500
BVH (80°-90°)	15.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8
2.5°	7197.4	7086.3	6945.5	6829.0	6655.6	6306.2	6211.4	6097.6	6002.8	5875.5	5696.7
5°	6544.6	6509.3	6444.3	6005.5	5688.6	5266.0	4919.3	4773.0	4580.6	4423.5	4309.8
7.5°	6046.1	5905.3	5699.4	5257.9	4751.3	4298.9	3914.3	3689.4	3434.8	3348.1	3193.7
10°	5512.5	5545.0	5241.6	4621.3	4009.1	3643.4	3405.0	3188.3	2958.1	2806.4	2586.9
12.5°	5341.8	5236.2	5003.2	4236.6	3713.8	3372.5	3082.7	2814.5	2570.7	2326.9	2115.6
15°	5452.9	5290.4	4965.3	4155.4	3486.3	3061.0	2698.0	2335.0	2110.2	1798.7	1579.3
17.5°	5851.1	5721.1	5284.9	4242.0	3369.8	2763.0	2224.0	1850.1	1506.1	1224.4	1113.3
20°	6514.8	6330.6	5783.4	4353.1	3196.4	2402.7	1804.1	1343.6	1018.5	899.3	837.0
22.5°	7164.9	7064.7	6373.9	4567.1	3042.0	2083.1	1354.4	904.8	761.2	739.5	698.9
25°	8402.8	8102.1	7275.9	4954.5	2922.8	1782.4	1021.2	728.7	644.7	628.5	633.9
27.5°	9139.6	8887.7	8110.3	5211.8	2790.1	1552.2	864.1	669.1	612.2	577.0	563.4
30°	9846.6	9554.1	8524.7	5363.5	2505.7	1308.4	766.6	642.0	628.5	577.0	560.7
32.5°	10391.1	10104.0	9123.4	5591.0	2389.2	1151.3	631.2	501.1	465.9	460.5	509.3
35°	11225.4	10919.3	9635.3	5715.6	2299.8	1070.0	547.2	447.0	406.3	390.1	392.8
37.5°	12002.9	11794.3	10109.4	5764.4	2205.0	1045.6	490.3	400.9	365.7	354.9	352.1
40°	12653.0	12187.1	10559.1	5815.9	2164.4	999.6	455.1	365.7	341.3	325.1	325.1
42.5°	12951.0	12476.9	11062.9	5786.1	2153.5	926.4	455.1	335.9	316.9	300.7	298.0
45°	12885.9	12693.6	11287.7	5772.5	2153.5	853.3	414.5	327.8	300.7	279.0	273.6
47.5°	13053.9	12802.0	11569.5	5829.4	2110.2	801.8	349.4	344.0	284.4	257.3	251.9
50°	13083.7	13132.5	12059.8	6124.7	2015.4	736.8	273.6	338.6	273.6	233.0	227.5
52°	13278.7	12975.3	12208.7	6281.8	1915.1	688.0	230.3	289.8	262.8	216.7	211.3
52.5°	13010.6	13208.3	12244.0	6338.7	1926.0	655.5	222.1	284.4	257.3	216.7	203.2
55°	12709.9	12899.5	12100.4	6460.6	1766.2	514.7	173.4	205.9	233.0	189.6	181.5
57.5°	11046.6	11239.0	10515.7	5916.1	1438.4	363.0	143.6	154.4	205.9	176.1	167.9
60°	9819.5	9681.4	8825.4	4935.5	1021.2	203.2	113.8	119.2	224.8	162.5	159.8
62.5°	8974.4	8679.1	7376.2	3811.3	623.0	135.4	89.4	92.1	173.4	151.7	151.7
65°	6639.4	6308.9	4900.3	2305.2	306.1	94.8	67.7	73.1	108.4	130.0	130.0
67.5°	3789.7	3662.4	2367.5	1040.2	127.3	59.6	51.5	56.9	84.0	105.6	100.2
70°	1741.8	1563.0	910.2	219.4	59.6	40.6	40.6	46.1	67.7	78.6	73.1
72.5°	509.3	482.2	222.1	35.2	24.4	24.4	27.1	35.2	51.5	59.6	54.2
75°	37.9	24.4	16.3	10.8	10.8	16.3	21.7	35.2	51.5	56.9	46.1
77.5°	2.7	5.4	2.7	2.7	8.1	16.3	24.4	43.3	67.7	70.4	51.5
80°	2.7	2.7	0.0	2.7	8.1	16.3	27.1	48.8	75.8	81.3	43.3
82.5°	0.0	0.0	0.0	2.7	10.8	21.7	32.5	51.5	70.4	86.7	46.1
85°	0.0	0.0	0.0	2.7	16.3	29.8	37.9	13.5	8.1	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°	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8
2.5°	5824.0	5753.6	5726.5	5750.9	5742.7	5734.6	5883.6	5851.1	5845.7	5894.4	5883.6
5°	4372.1	4247.5	4588.8	4450.6	4594.2	4680.9	4697.1	4705.3	4805.5	4699.8	4838.0
7.5°	3115.2	3147.7	3145.0	3237.1	3402.3	3548.6	3635.3	3567.5	3562.1	3548.6	3489.0
10°	2489.4	2432.5	2421.7	2400.0	2451.5	2576.1	2681.8	2597.8	2538.2	2619.4	2595.1
12.5°	2034.3	1955.8	1912.4	1825.8	1828.5	1912.4	1912.4	1912.4	1972.0	2018.1	2053.3
15°	1560.3	1495.3	1495.3	1408.6	1389.6	1392.3	1435.7	1441.1	1535.9	1563.0	1576.5
17.5°	1091.7	1056.4	1097.1	1132.3	1110.6	1116.0	1132.3	1137.7	1151.3	1140.4	1167.5
20°	839.7	834.3	845.2	907.5	953.5	980.6	961.6	934.5	918.3	880.4	880.4
22.5°	712.4	723.3	742.2	793.7	853.3	869.5	847.9	785.6	736.8	731.4	734.1
25°	633.9	644.7	674.5	707.0	739.5	766.6	744.9	698.9	671.8	647.4	647.4
27.5°	585.1	590.5	606.8	631.2	658.2	679.9	671.8	647.4	617.6	606.8	582.4
30°	547.2	555.3	574.3	579.7	604.1	614.9	601.4	595.9	577.0	563.4	555.3
32.5°	528.2	525.5	539.1	544.5	547.2	555.3	539.1	547.2	544.5	522.8	514.7
35°	398.2	419.9	455.1	484.9	493.0	503.8	501.1	490.3	460.5	436.1	406.3
37.5°	357.6	371.1	390.1	414.5	447.0	460.5	455.1	428.0	392.8	376.5	371.1
40°	330.5	338.6	354.9	371.1	403.6	428.0	409.0	384.7	357.6	344.0	335.9
42.5°	306.1	308.8	316.9	333.2	357.6	395.5	363.0	330.5	319.6	311.5	306.1
45°	279.0	279.0	289.8	298.0	325.1	360.3	327.8	298.0	292.6	287.1	284.4
47.5°	257.3	260.0	265.5	276.3	298.0	322.4	300.7	276.3	262.8	260.0	254.6
50°	230.3	233.0	243.8	254.6	281.7	295.3	281.7	254.6	241.1	233.0	233.0
52°	208.6	216.7	227.5	249.2	268.2	289.8	273.6	243.8	227.5	219.4	214.0
52.5°	205.9	211.3	222.1	246.5	268.2	287.1	270.9	241.1	222.1	216.7	211.3
55°	184.2	192.3	211.3	241.1	265.5	287.1	265.5	238.4	211.3	197.7	192.3
57.5°	176.1	181.5	205.9	243.8	262.8	287.1	265.5	238.4	211.3	186.9	181.5
60°	167.9	178.8	205.9	235.7	260.0	289.8	268.2	235.7	205.9	176.1	176.1
62.5°	159.8	167.9	203.2	230.3	249.2	279.0	257.3	230.3	197.7	167.9	165.2
65°	138.2	151.7	178.8	192.3	214.0	241.1	219.4	200.5	173.4	149.0	146.3
67.5°	105.6	111.1	132.7	149.0	162.5	186.9	176.1	151.7	132.7	113.8	113.8
70°	73.1	78.6	94.8	102.9	116.5	130.0	121.9	102.9	89.4	78.6	75.8
72.5°	51.5	54.2	59.6	65.0	70.4	75.8	73.1	59.6	51.5	48.8	46.1
75°	40.6	46.1	48.8	46.1	43.3	40.6	40.6	35.2	29.8	27.1	27.1
77.5°	40.6	43.3	40.6	35.2	29.8	27.1	24.4	21.7	16.3	13.5	16.3
80°	35.2	35.2	35.2	29.8	27.1	24.4	21.7	19.0	16.3	13.5	13.5
82.5°	37.9	37.9	35.2	29.8	29.8	24.4	24.4	21.7	19.0	13.5	13.5
85°	0.0	0.0	0.0	5.4	13.5	24.4	24.4	21.7	19.0	16.3	16.3
87.5°	0.0	0.0	0.0	0.0	2.7	5.4	10.8	13.5	16.3	16.3	16.3
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°	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8
2.5°	5981.1	6084.1	6279.1	6474.1	6593.3	6734.2	6988.8	7124.2	7300.3	7387.0	7557.7
5°	4819.0	5062.8	5149.5	5371.6	5610.0	5848.4	6227.6	6644.8	6991.5	7229.9	7538.7
7.5°	3516.1	3573.0	3908.9	4057.8	4447.9	4881.3	5398.7	5924.2	6363.1	6753.1	6988.8
10°	2635.7	2844.3	3055.6	3340.0	3654.2	4101.2	4596.9	5176.6	5745.4	6135.5	6433.5
12.5°	2118.3	2283.6	2565.3	2871.4	3258.7	3554.0	4052.4	4626.7	5363.5	5745.4	6138.2
15°	1603.6	1814.9	2134.6	2451.5	2860.5	3172.1	3675.9	4399.2	5347.2	5872.8	6211.4
17.5°	1189.2	1332.7	1619.9	1974.7	2391.9	2830.7	3510.7	4374.8	5528.7	6154.5	6503.9
20°	910.2	958.9	1140.4	1457.4	1909.7	2484.0	3242.5	4480.4	6065.1	6839.8	7194.7
22.5°	736.8	758.5	828.9	1048.3	1487.2	2180.6	3115.2	4553.6	6669.2	7660.6	8134.6
25°	642.0	636.6	682.6	777.4	1162.1	1896.2	2952.6	4829.9	7408.7	8624.9	9050.2
27.5°	585.1	585.1	606.8	674.5	964.3	1712.0	2849.7	5027.6	8153.6	9472.8	9703.1
30°	555.3	560.7	623.0	644.7	801.8	1492.6	2679.0	5228.1	8866.0	10014.6	10331.5
32.5°	514.7	493.0	479.5	533.6	674.5	1294.8	2508.4	5312.0	9443.0	10678.2	10949.1
35°	395.5	384.7	400.9	441.5	579.7	1126.9	2318.8	5406.8	10106.7	11447.6	11501.7
37.5°	357.6	354.9	365.7	400.9	487.6	980.6	2183.3	5382.5	10613.2	12084.1	11937.9
40°	330.5	330.5	338.6	368.4	436.1	877.7	2042.5	5360.8	11103.5	12799.3	12371.3
42.5°	308.8	308.8	322.4	341.3	414.5	809.9	1936.8	5331.0	11515.3	13238.1	12625.9
45°	279.0	287.1	308.8	327.8	419.9	763.9	1858.3	5217.2	11656.1	13232.7	12504.0
47.5°	257.3	268.2	289.8	316.9	379.2	750.3	1804.1	5117.0	11607.4	12907.6	12122.1
50°	233.0	246.5	276.3	322.4	322.4	723.3	1747.2	5206.4	11572.2	12655.7	11756.4
52°	216.7	227.5	265.5	314.2	281.7	666.4	1712.0	5379.8	11715.7	12623.2	11593.8
52.5°	214.0	222.1	257.3	308.8	268.2	655.5	1687.6	5420.4	11761.8	12541.9	11704.9
55°	189.6	200.5	235.7	241.1	219.4	539.1	1609.1	5512.5	11534.2	12382.1	11599.2
57.5°	178.8	184.2	208.6	197.7	189.6	406.3	1384.2	5368.9	10244.8	10997.9	10792.0
60°	165.2	170.7	195.0	154.4	159.8	284.4	1040.2	4661.9	8226.7	9164.0	9535.1
62.5°	159.8	157.1	184.2	124.6	135.4	205.9	734.1	3789.7	6338.7	7544.1	8186.1
65°	140.9	138.2	132.7	105.6	116.5	159.8	438.8	2473.2	4466.9	5707.5	6059.7
67.5°	108.4	113.8	97.5	84.0	97.5	124.6	243.8	1107.9	2343.1	3424.0	3708.4
70°	75.8	81.3	78.6	73.1	86.7	102.9	140.9	379.2	969.8	1798.7	1982.9
72.5°	46.1	56.9	59.6	62.3	75.8	89.4	100.2	121.9	257.3	636.6	791.0
75°	27.1	37.9	46.1	54.2	62.3	75.8	84.0	86.7	89.4	119.2	192.3
77.5°	19.0	27.1	40.6	51.5	62.3	75.8	89.4	94.8	89.4	84.0	89.4
80°	16.3	27.1	37.9	48.8	65.0	78.6	89.4	89.4	86.7	75.8	81.3
82.5°	16.3	27.1	40.6	51.5	62.3	75.8	86.7	89.4	81.3	75.8	78.6
85°	19.0	29.8	43.3	54.2	67.7	62.3	56.9	46.1	43.3	35.2	37.9
87.5°	19.0	27.1	27.1	29.8	32.5	32.5	32.5	29.8	24.4	21.7	21.7
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: P530759

CATALOG NUMBER: GALN-SA6A-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8	6923.8
2.5°	7565.8	7782.5	7774.4	7779.8	7747.3	7527.9	7422.2	7154.0	7229.9	7197.4
5°	7855.6	8069.6	8253.8	8232.2	7982.9	7685.0	7243.4	6826.3	6712.5	6544.6
7.5°	7565.8	8080.5	8251.1	8226.7	7858.3	7476.4	6772.1	6354.9	6157.2	6046.1
10°	7105.3	7701.2	7912.5	7955.9	7706.6	7127.0	6479.5	5810.5	5704.8	5512.5
12.5°	6842.5	7275.9	7406.0	7522.4	7435.8	7002.3	6257.4	5615.4	5469.1	5341.8
15°	6628.5	6885.9	6940.0	7072.8	7124.2	6891.3	6373.9	5826.7	5466.4	5452.9
17.5°	6826.3	6720.6	6522.9	6563.5	6726.0	6894.0	6674.6	6243.9	5894.4	5851.1
20°	7154.0	6688.1	6241.2	6341.4	6476.8	6991.5	7129.7	6826.3	6625.8	6514.8
22.5°	7530.6	6745.0	6151.8	6200.5	6457.9	7210.9	7866.5	7698.5	7324.7	7164.9
25°	8226.7	6902.1	6222.2	6254.7	6606.9	7517.0	8532.8	8657.4	8435.3	8402.8
27.5°	8906.7	7308.4	6376.6	6303.5	6682.7	7815.0	8936.5	9605.5	9215.5	9139.6
30°	9253.4	7638.9	6606.9	6482.3	6996.9	7996.5	9180.3	10223.2	9881.8	9846.6
32.5°	9784.3	7939.6	6785.6	6625.8	7173.0	8221.3	9635.3	10897.7	10567.2	10391.1
35°	10006.5	8267.4	7178.4	6991.5	7676.8	8535.6	9868.3	11499.0	11396.1	11225.4
37.5°	10434.4	8619.5	7641.6	7630.8	8286.3	8944.6	10288.2	12317.1	12298.1	12002.9
40°	10469.7	9004.2	8373.0	8714.3	9229.0	9657.0	10656.6	12544.6	12853.4	12653.0
42.5°	10523.8	9678.7	9638.0	9919.8	10361.3	10269.2	10670.1	12598.8	13070.1	12951.0
45°	10548.2	10353.2	10924.7	11444.8	11629.0	11071.0	10542.8	12495.9	13183.9	12885.9
47.5°	10353.2	10932.9	11964.9	12969.9	13024.1	11564.0	10488.6	12390.2	13251.6	13053.9
50°	10380.3	11295.9	12864.3	13763.6	13565.9	12000.2	10404.6	12325.2	13216.4	13083.7
52°	10315.3	11304.0	12991.6	13747.4	13609.2	11759.1	10261.1	12076.0	13183.9	13278.7
52.5°	10388.4	11255.2	12858.9	13758.2	13579.4	11878.3	10242.1	12214.2	13202.9	13010.6
55°	10136.5	10675.5	12081.4	12463.4	12436.3	10781.2	9659.7	11756.4	12707.2	12709.9
57.5°	9161.3	9253.4	9475.5	9467.4	9342.8	8476.0	8262.0	10811.0	11328.4	11046.6
60°	8072.3	6774.8	6176.2	5932.4	5794.2	5653.3	7308.4	9890.0	9938.7	9819.5
62.5°	6975.3	4697.1	3900.7	3833.0	3865.5	4380.2	7064.7	9524.3	9231.7	8974.4
65°	5629.0	3424.0	2833.4	2744.1	3061.0	3616.3	5718.4	7303.0	6853.4	6639.4
67.5°	3535.0	2497.5	1915.1	1747.2	2129.1	2489.4	3757.2	4588.8	4084.9	3789.7
70°	2096.6	1395.1	866.8	777.4	875.0	1327.3	2104.8	2289.0	1893.5	1741.8
72.5°	826.2	512.0	241.1	205.9	214.0	465.9	774.7	755.8	571.6	509.3
75°	222.1	154.4	84.0	67.7	56.9	86.7	124.6	81.3	29.8	37.9
77.5°	102.9	92.1	73.1	56.9	43.3	32.5	16.3	5.4	5.4	2.7
80°	89.4	78.6	67.7	56.9	43.3	27.1	13.5	2.7	2.7	2.7
82.5°	84.0	73.1	62.3	51.5	40.6	27.1	13.5	2.7	0.0	0.0
85°	35.2	46.1	51.5	48.8	43.3	27.1	13.5	2.7	0.0	0.0
87.5°	19.0	16.3	13.5	10.8	8.1	5.4	5.4	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)