

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: P530993

Luminaire Tested: **GALN-SA6B-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530993
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-SA6B-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 16988 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

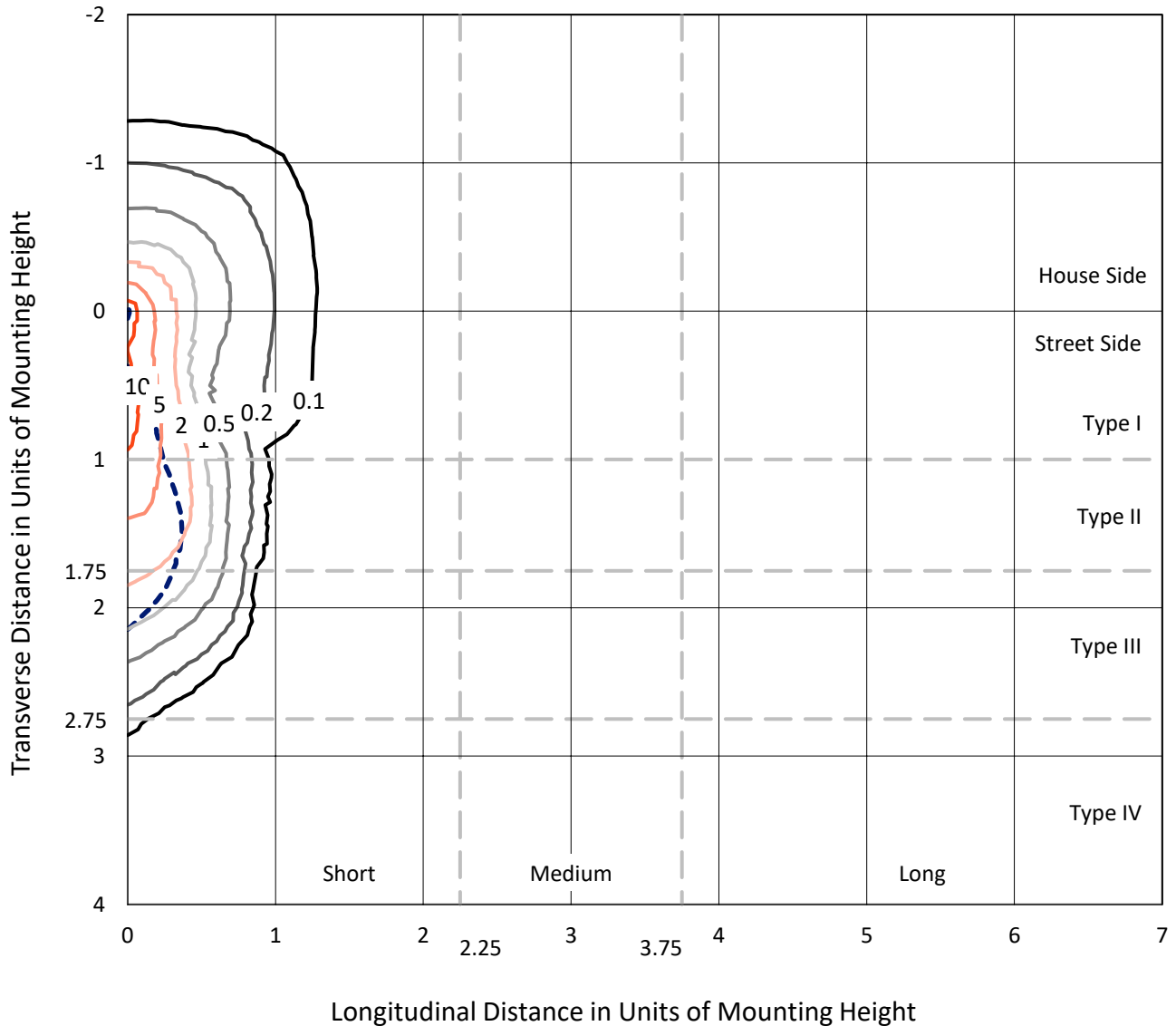
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

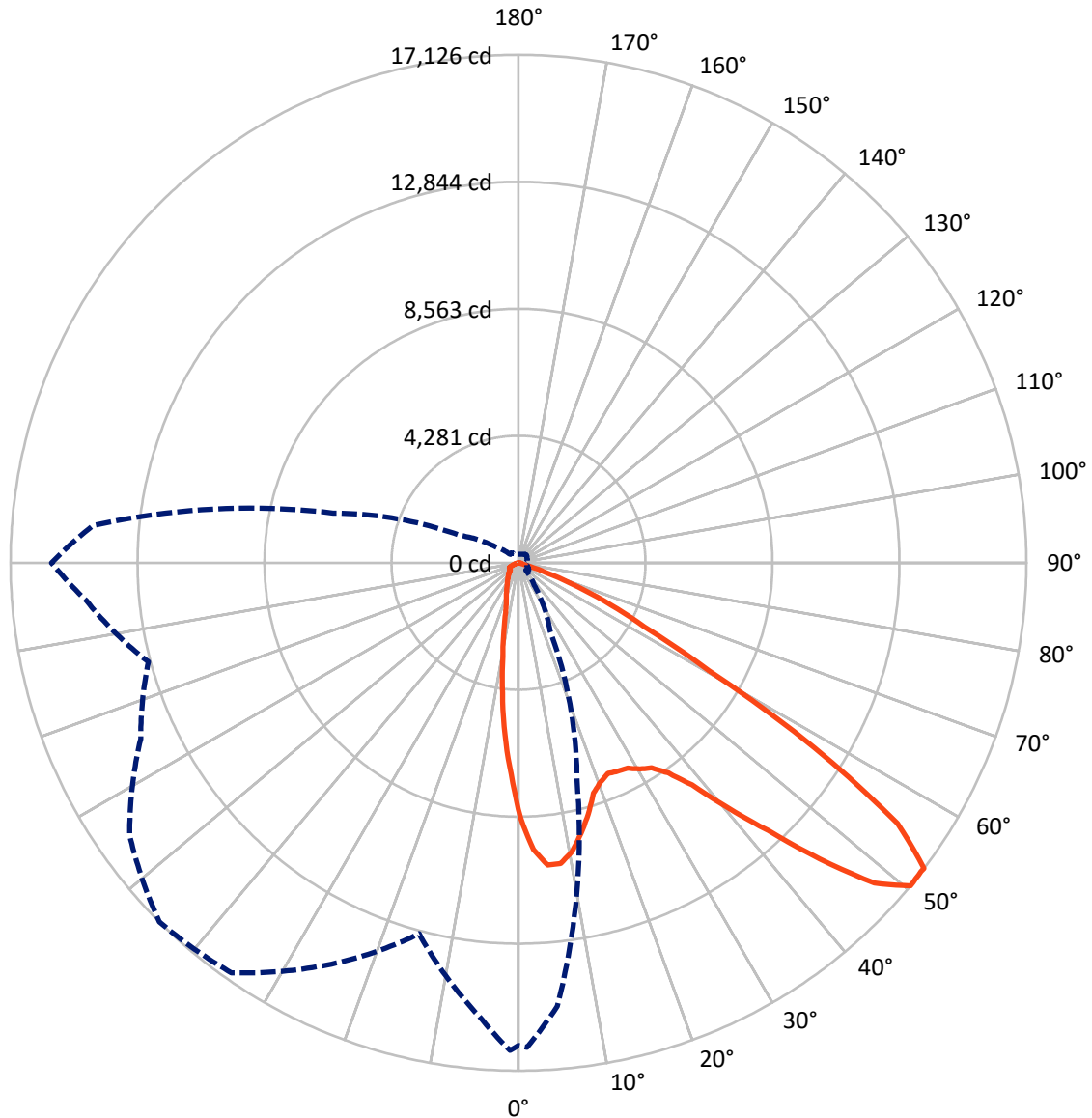
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 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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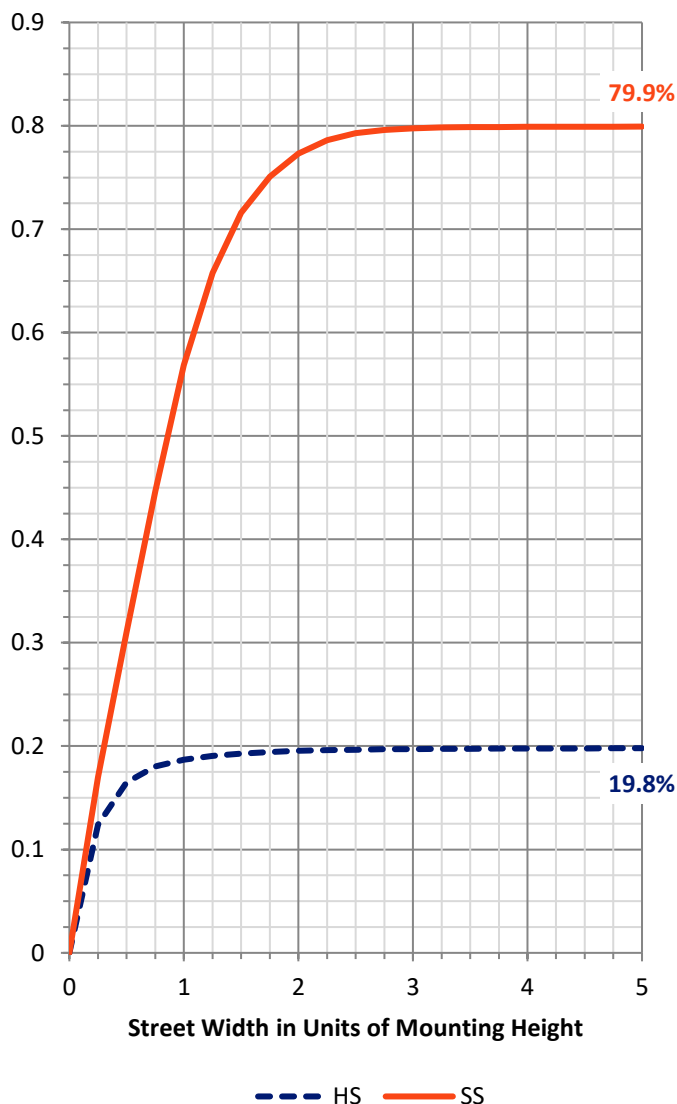
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3402.7	0.0	3402.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	13585.3	0.0	13585.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	16988.0	0.0	16988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.9	3.7
10°-20°	1248.0	7.3
20°-30°	1874.9	11.0
30°-40°	2814.2	16.6
40°-50°	3955.1	23.3
50°-60°	4266.3	25.1
60°-70°	1980.8	11.7
70°-80°	186.4	1.1
80°-90°	34.4	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°	16988.0	100.0
0°-180°	16988.0	100.0

Coefficient of Utilization



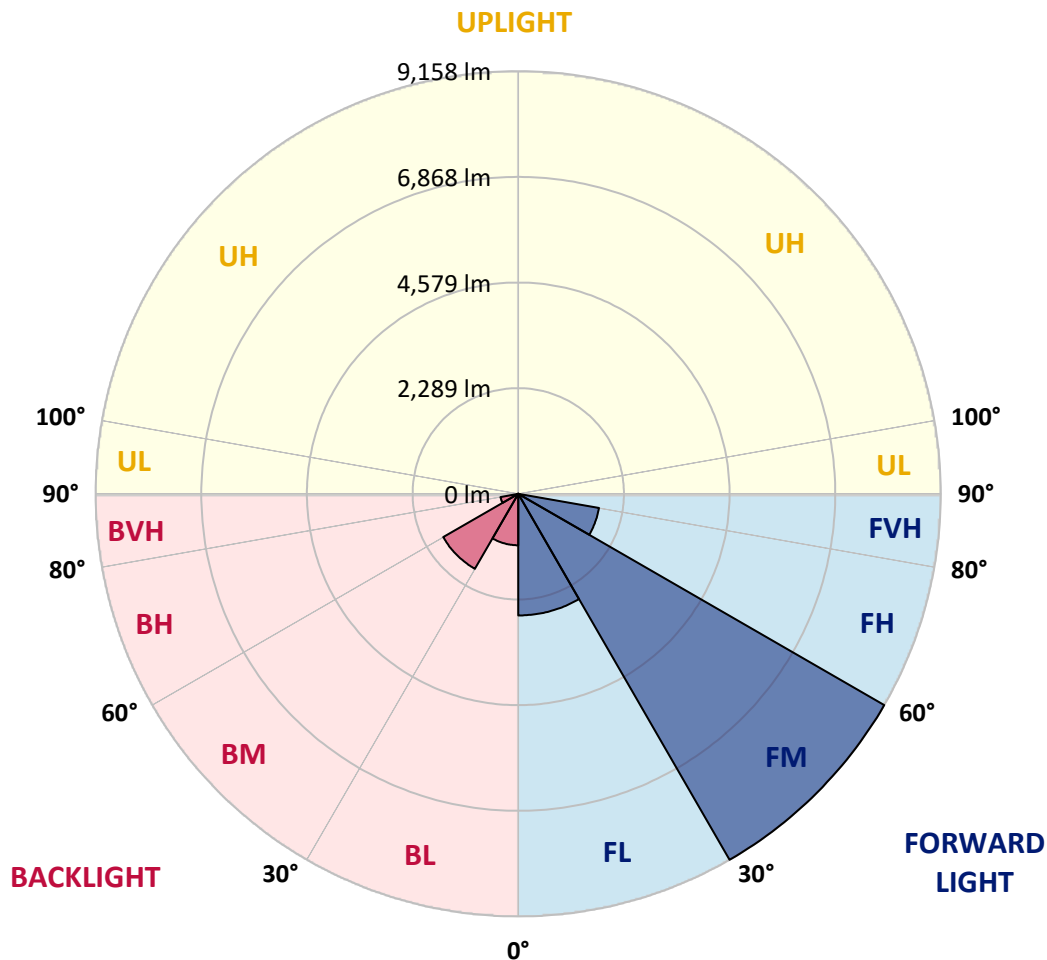
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2635.5	15.5			
FM (30°-60°)	9157.8	53.9			
FH (60°-80°)	1776.5	10.5			G1/1800
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	1115.3	6.6	B3/2500		
BM (30°-60°)	1877.8	11.1	B2/2500		
BH (60°-80°)	390.7	2.3	B1/500		G1/500
BVH (80°-90°)	18.9	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1
2.5°	8955.5	8817.3	8642.0	8497.1	8281.4	7846.6	7728.6	7587.0	7469.1	7310.7	7088.2
5°	8143.2	8099.4	8018.5	7472.5	7078.1	6552.3	6120.9	5938.9	5699.6	5504.1	5362.5
7.5°	7523.0	7347.7	7091.6	6542.2	5911.9	5349.0	4870.4	4590.7	4273.8	4166.0	3973.8
10°	6859.0	6899.5	6522.0	5750.1	4988.4	4533.4	4236.7	3967.1	3680.6	3491.9	3218.8
12.5°	6646.7	6515.2	6225.4	5271.5	4621.0	4196.3	3835.7	3502.0	3198.6	2895.3	2632.4
15°	6784.9	6582.6	6178.2	5170.4	4337.9	3808.7	3357.0	2905.4	2625.6	2238.0	1965.0
17.5°	7280.3	7118.5	6575.9	5278.2	4192.9	3437.9	2767.2	2302.1	1874.0	1523.5	1385.3
20°	8106.1	7876.9	7196.1	5416.4	3977.2	2989.7	2244.8	1671.8	1267.3	1119.0	1041.5
22.5°	8915.0	8790.3	7930.8	5682.7	3785.1	2591.9	1685.3	1125.8	947.1	920.2	869.6
25°	10455.4	10081.2	9053.2	6164.7	3636.8	2217.8	1270.7	906.7	802.2	782.0	788.7
27.5°	11372.1	11058.7	10091.3	6484.9	3471.6	1931.3	1075.2	832.5	761.7	717.9	701.1
30°	12251.9	11887.8	10607.0	6673.6	3117.7	1628.0	953.9	798.8	782.0	717.9	697.7
32.5°	12929.3	12572.1	11351.9	6956.8	2972.8	1432.5	785.3	623.5	579.7	573.0	633.7
35°	13967.4	13586.6	11989.0	7111.8	2861.6	1331.4	680.8	556.1	505.6	485.4	488.7
37.5°	14934.8	14675.3	12578.8	7172.5	2743.6	1301.0	610.1	498.8	455.0	441.5	438.2
40°	15743.7	15164.0	13138.3	7236.5	2693.0	1243.7	566.2	455.0	424.7	404.5	404.5
42.5°	16114.5	15524.6	13765.2	7199.4	2679.6	1152.7	566.2	417.9	394.4	374.1	370.8
45°	16033.6	15794.3	14045.0	7182.6	2679.6	1061.7	515.7	407.8	374.1	347.2	340.4
47.5°	16242.6	15929.1	14395.5	7253.4	2625.6	997.7	434.8	428.1	353.9	320.2	313.5
50°	16279.6	16340.3	15005.6	7620.8	2507.7	916.8	340.4	421.3	340.4	289.9	283.1
52°	16522.3	16144.8	15190.9	7816.2	2383.0	856.1	286.5	360.6	326.9	269.6	262.9
52.5°	16188.6	16434.7	15234.8	7887.0	2396.4	815.7	276.4	353.9	320.2	269.6	252.8
55°	15814.5	16050.4	15056.1	8038.7	2197.6	640.4	215.7	256.2	289.9	235.9	225.8
57.5°	13745.0	13984.3	13084.4	7361.2	1789.7	451.7	178.6	192.1	256.2	219.1	209.0
60°	12218.1	12046.3	10981.2	6141.1	1270.7	252.8	141.6	148.3	279.8	202.2	198.9
62.5°	11166.5	10799.2	9177.9	4742.3	775.2	168.5	111.2	114.6	215.7	188.7	188.7
65°	8261.2	7849.9	6097.3	2868.3	380.9	118.0	84.3	91.0	134.8	161.8	161.8
67.5°	4715.4	4556.9	2945.8	1294.3	158.4	74.2	64.0	70.8	104.5	131.5	124.7
70°	2167.2	1944.8	1132.5	273.0	74.2	50.6	50.6	57.3	84.3	97.7	91.0
72.5°	633.7	600.0	276.4	43.8	30.3	30.3	33.7	43.8	64.0	74.2	67.4
75°	47.2	30.3	20.2	13.5	13.5	20.2	27.0	43.8	64.0	70.8	57.3
77.5°	3.4	6.7	3.4	3.4	10.1	20.2	30.3	53.9	84.3	87.6	64.0
80°	3.4	3.4	0.0	3.4	10.1	20.2	33.7	60.7	94.4	101.1	53.9
82.5°	0.0	0.0	0.0	3.4	13.5	27.0	40.4	64.0	87.6	107.9	57.3
85°	0.0	0.0	0.0	3.4	20.2	37.1	47.2	16.9	10.1	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°	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1
2.5°	7246.6	7159.0	7125.3	7155.6	7145.5	7135.4	7320.8	7280.3	7273.6	7334.3	7320.8
5°	5440.0	5285.0	5709.7	5537.8	5716.4	5824.3	5844.5	5854.6	5979.3	5847.9	6019.8
7.5°	3876.1	3916.5	3913.2	4027.8	4233.4	4415.4	4523.2	4439.0	4432.2	4415.4	4341.2
10°	3097.5	3026.7	3013.2	2986.3	3050.3	3205.4	3336.8	3232.3	3158.2	3259.3	3229.0
12.5°	2531.3	2433.5	2379.6	2271.7	2275.1	2379.6	2379.6	2379.6	2453.7	2511.0	2554.9
15°	1941.4	1860.5	1860.5	1752.7	1729.1	1732.4	1786.4	1793.1	1911.1	1944.8	1961.6
17.5°	1358.3	1314.5	1365.1	1408.9	1381.9	1388.7	1408.9	1415.6	1432.5	1419.0	1452.7
20°	1044.9	1038.1	1051.6	1129.1	1186.4	1220.1	1196.5	1162.8	1142.6	1095.4	1095.4
22.5°	886.4	899.9	923.5	987.6	1061.7	1081.9	1055.0	977.5	916.8	910.0	913.4
25°	788.7	802.2	839.3	879.7	920.2	953.9	926.9	869.6	835.9	805.6	805.6
27.5°	728.0	734.8	755.0	785.3	819.0	846.0	835.9	805.6	768.5	755.0	724.7
30°	680.8	691.0	714.6	721.3	751.6	765.1	748.3	741.5	717.9	701.1	691.0
32.5°	657.3	653.9	670.7	677.5	680.8	691.0	670.7	680.8	677.5	650.5	640.4
35°	495.5	522.4	566.2	603.3	613.4	626.9	623.5	610.1	573.0	542.7	505.6
37.5°	444.9	461.8	485.4	515.7	556.1	573.0	566.2	532.5	488.7	468.5	461.8
40°	411.2	421.3	441.5	461.8	502.2	532.5	508.9	478.6	444.9	428.1	417.9
42.5°	380.9	384.2	394.4	414.6	444.9	492.1	451.7	411.2	397.7	387.6	380.9
45°	347.2	347.2	360.6	370.8	404.5	448.3	407.8	370.8	364.0	357.3	353.9
47.5°	320.2	323.6	330.3	343.8	370.8	401.1	374.1	343.8	326.9	323.6	316.8
50°	286.5	289.9	303.3	316.8	350.5	367.4	350.5	316.8	300.0	289.9	289.9
52°	259.5	269.6	283.1	310.1	333.7	360.6	340.4	303.3	283.1	273.0	266.3
52.5°	256.2	262.9	276.4	306.7	333.7	357.3	337.1	300.0	276.4	269.6	262.9
55°	229.2	239.3	262.9	300.0	330.3	357.3	330.3	296.6	262.9	246.0	239.3
57.5°	219.1	225.8	256.2	303.3	326.9	357.3	330.3	296.6	262.9	232.6	225.8
60°	209.0	222.5	256.2	293.2	323.6	360.6	333.7	293.2	256.2	219.1	219.1
62.5°	198.9	209.0	252.8	286.5	310.1	347.2	320.2	286.5	246.0	209.0	205.6
65°	171.9	188.7	222.5	239.3	266.3	300.0	273.0	249.4	215.7	185.4	182.0
67.5°	131.5	138.2	165.2	185.4	202.2	232.6	219.1	188.7	165.2	141.6	141.6
70°	91.0	97.7	118.0	128.1	144.9	161.8	151.7	128.1	111.2	97.7	94.4
72.5°	64.0	67.4	74.2	80.9	87.6	94.4	91.0	74.2	64.0	60.7	57.3
75°	50.6	57.3	60.7	57.3	53.9	50.6	50.6	43.8	37.1	33.7	33.7
77.5°	50.6	53.9	50.6	43.8	37.1	33.7	30.3	27.0	20.2	16.9	20.2
80°	43.8	43.8	43.8	37.1	33.7	30.3	27.0	23.6	20.2	16.9	16.9
82.5°	47.2	47.2	43.8	37.1	37.1	30.3	30.3	27.0	23.6	16.9	16.9
85°	0.0	0.0	0.0	6.7	16.9	30.3	30.3	27.0	23.6	20.2	20.2
87.5°	0.0	0.0	0.0	0.0	3.4	6.7	13.5	16.9	20.2	20.2	20.2
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°	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1
2.5°	7442.1	7570.2	7812.9	8055.6	8203.9	8379.1	8695.9	8864.5	9083.6	9191.4	9403.8
5°	5996.2	6299.5	6407.4	6683.7	6980.4	7277.0	7748.8	8267.9	8699.3	8995.9	9380.2
7.5°	4374.9	4445.7	4863.7	5049.0	5534.4	6073.7	6717.5	7371.3	7917.4	8402.7	8695.9
10°	3279.5	3539.0	3802.0	4155.9	4546.8	5103.0	5719.8	6441.1	7148.9	7634.2	8005.0
12.5°	2635.7	2841.4	3191.9	3572.8	4054.7	4422.1	5042.3	5756.9	6673.6	7148.9	7637.6
15°	1995.3	2258.3	2656.0	3050.3	3559.3	3946.9	4573.8	5473.7	6653.4	7307.3	7728.6
17.5°	1479.7	1658.3	2015.6	2457.1	2976.2	3522.2	4368.2	5443.4	6879.2	7657.8	8092.6
20°	1132.5	1193.2	1419.0	1813.3	2376.2	3090.8	4034.5	5574.8	7546.6	8510.6	8952.1
22.5°	916.8	943.7	1031.4	1304.4	1850.4	2713.3	3876.1	5665.8	8298.2	9531.8	10121.7
25°	798.8	792.1	849.4	967.3	1446.0	2359.4	3673.9	6009.6	9218.4	10731.7	11260.9
27.5°	728.0	728.0	755.0	839.3	1199.9	2130.2	3545.8	6255.7	10145.3	11786.7	12073.2
30°	691.0	697.7	775.2	802.2	997.7	1857.2	3333.4	6505.1	11031.7	12460.8	12855.2
32.5°	640.4	613.4	596.6	664.0	839.3	1611.1	3121.1	6609.6	11749.6	13286.6	13623.7
35°	492.1	478.6	498.8	549.4	721.3	1402.1	2885.2	6727.6	12575.4	14243.8	14311.2
37.5°	444.9	441.5	455.0	498.8	606.7	1220.1	2716.6	6697.2	13205.7	15035.9	14853.9
40°	411.2	411.2	421.3	458.4	542.7	1092.0	2541.4	6670.3	13815.8	15925.7	15393.2
42.5°	384.2	384.2	401.1	424.7	515.7	1007.8	2409.9	6633.2	14328.1	16471.7	15710.0
45°	347.2	357.3	384.2	407.8	522.4	950.5	2312.2	6491.6	14503.4	16465.0	15558.3
47.5°	320.2	333.7	360.6	394.4	471.9	933.6	2244.8	6366.9	14442.7	16060.5	15083.1
50°	289.9	306.7	343.8	401.1	401.1	899.9	2174.0	6478.1	14398.9	15747.1	14628.1
52°	269.6	283.1	330.3	391.0	350.5	829.1	2130.2	6693.9	14577.5	15706.6	14425.8
52.5°	266.3	276.4	320.2	384.2	333.7	815.7	2099.8	6744.4	14634.8	15605.5	14564.0
55°	235.9	249.4	293.2	300.0	273.0	670.7	2002.1	6859.0	14351.7	15406.7	14432.6
57.5°	222.5	229.2	259.5	246.0	235.9	505.6	1722.3	6680.4	12747.3	13684.3	13428.2
60°	205.6	212.3	242.7	192.1	198.9	353.9	1294.3	5800.7	10236.3	11402.5	11864.2
62.5°	198.9	195.5	229.2	155.0	168.5	256.2	913.4	4715.4	7887.0	9386.9	10185.7
65°	175.3	171.9	165.2	131.5	144.9	198.9	546.0	3077.3	5558.0	7101.7	7539.9
67.5°	134.8	141.6	121.3	104.5	121.3	155.0	303.3	1378.5	2915.5	4260.3	4614.2
70°	94.4	101.1	97.7	91.0	107.9	128.1	175.3	471.9	1206.6	2238.0	2467.2
72.5°	57.3	70.8	74.2	77.5	94.4	111.2	124.7	151.7	320.2	792.1	984.2
75°	33.7	47.2	57.3	67.4	77.5	94.4	104.5	107.9	111.2	148.3	239.3
77.5°	23.6	33.7	50.6	64.0	77.5	94.4	111.2	118.0	111.2	104.5	111.2
80°	20.2	33.7	47.2	60.7	80.9	97.7	111.2	111.2	107.9	94.4	101.1
82.5°	20.2	33.7	50.6	64.0	77.5	94.4	107.9	111.2	101.1	94.4	97.7
85°	23.6	37.1	53.9	67.4	84.3	77.5	70.8	57.3	53.9	43.8	47.2
87.5°	23.6	33.7	33.7	37.1	40.4	40.4	40.4	37.1	30.3	27.0	27.0
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: P530993

CATALOG NUMBER: GALN-SA6B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1	8615.1
2.5°	9413.9	9683.5	9673.4	9680.1	9639.7	9366.7	9235.2	8901.6	8995.9	8955.5
5°	9774.5	10040.8	10270.0	10243.0	9932.9	9562.2	9012.8	8493.7	8352.2	8143.2
7.5°	9413.9	10054.3	10266.6	10236.3	9777.9	9302.6	8426.3	7907.2	7661.2	7523.0
10°	8840.9	9582.4	9845.3	9899.2	9589.1	8867.8	8062.3	7229.8	7098.3	6859.0
12.5°	8513.9	9053.2	9215.0	9359.9	9252.1	8712.8	7785.9	6987.1	6805.1	6646.7
15°	8247.7	8567.9	8635.3	8800.4	8864.5	8574.6	7930.8	7250.0	6801.7	6784.9
17.5°	8493.7	8362.3	8116.2	8166.8	8369.0	8578.0	8305.0	7769.1	7334.3	7280.3
20°	8901.6	8321.8	7765.7	7890.4	8058.9	8699.3	8871.2	8493.7	8244.3	8106.1
22.5°	9370.1	8392.6	7654.5	7715.1	8035.3	8972.3	9788.0	9579.0	9113.9	8915.0
25°	10236.3	8588.1	7742.1	7782.5	8220.7	9353.2	10617.1	10772.2	10495.8	10455.4
27.5°	11082.3	9093.7	7934.2	7843.2	8315.1	9724.0	11119.4	11951.9	11466.5	11372.1
30°	11513.7	9504.9	8220.7	8065.7	8706.1	9949.8	11422.7	12720.4	12295.7	12251.9
32.5°	12174.3	9879.0	8443.2	8244.3	8925.1	10229.5	11989.0	13559.6	13148.4	12929.3
35°	12450.7	10286.8	8931.9	8699.3	9552.1	10620.5	12278.8	14307.9	14179.8	13967.4
37.5°	12983.3	10725.0	9508.2	9494.8	10310.4	11129.5	12801.2	15325.8	15302.2	14934.8
40°	13027.1	11203.6	10418.3	10843.0	11483.4	12015.9	13259.6	15608.9	15993.1	15743.7
42.5°	13094.5	12042.9	11992.3	12342.9	12892.3	12777.7	13276.5	15676.3	16262.8	16114.5
45°	13124.8	12882.1	13593.3	14240.5	14469.7	13775.3	13118.1	15548.2	16404.3	16033.6
47.5°	12882.1	13603.4	14887.6	16138.1	16205.5	14388.8	13050.7	15416.8	16488.6	16242.6
50°	12915.8	14055.1	16006.6	17125.6	16879.6	14931.4	12946.2	15335.9	16444.8	16279.6
52°	12835.0	14065.2	16165.0	17105.4	16933.5	14631.4	12767.5	15025.8	16404.3	16522.3
52.5°	12926.0	14004.5	15999.9	17118.9	16896.4	14779.7	12743.9	15197.7	16427.9	16188.6
55°	12612.5	13283.2	15032.5	15507.8	15474.1	13414.7	12019.3	14628.1	15811.1	15814.5
57.5°	11399.1	11513.7	11790.1	11780.0	11624.9	10546.4	10280.1	13451.8	14095.5	13745.0
60°	10044.2	8429.7	7684.8	7381.4	7209.5	7034.3	9093.7	12305.8	12366.4	12218.1
62.5°	8679.1	5844.5	4853.6	4769.3	4809.7	5450.1	8790.3	11850.8	11486.7	11166.5
65°	7003.9	4260.3	3525.6	3414.3	3808.7	4499.6	7115.2	9086.9	8527.4	8261.2
67.5°	4398.5	3107.6	2383.0	2174.0	2649.2	3097.5	4674.9	5709.7	5082.7	4715.4
70°	2608.8	1735.8	1078.6	967.3	1088.7	1651.6	2618.9	2848.1	2356.0	2167.2
72.5°	1028.0	637.0	300.0	256.2	266.3	579.7	964.0	940.4	711.2	633.7
75°	276.4	192.1	104.5	84.3	70.8	107.9	155.0	101.1	37.1	47.2
77.5°	128.1	114.6	91.0	70.8	53.9	40.4	20.2	6.7	6.7	3.4
80°	111.2	97.7	84.3	70.8	53.9	33.7	16.9	3.4	3.4	3.4
82.5°	104.5	91.0	77.5	64.0	50.6	33.7	16.9	3.4	0.0	0.0
85°	43.8	57.3	64.0	60.7	53.9	33.7	16.9	3.4	0.0	0.0
87.5°	23.6	20.2	16.9	13.5	10.1	6.7	6.7	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)