

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: P531929

Luminaire Tested: **GALN-SA7B-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531929
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-SA7B-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 19954 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

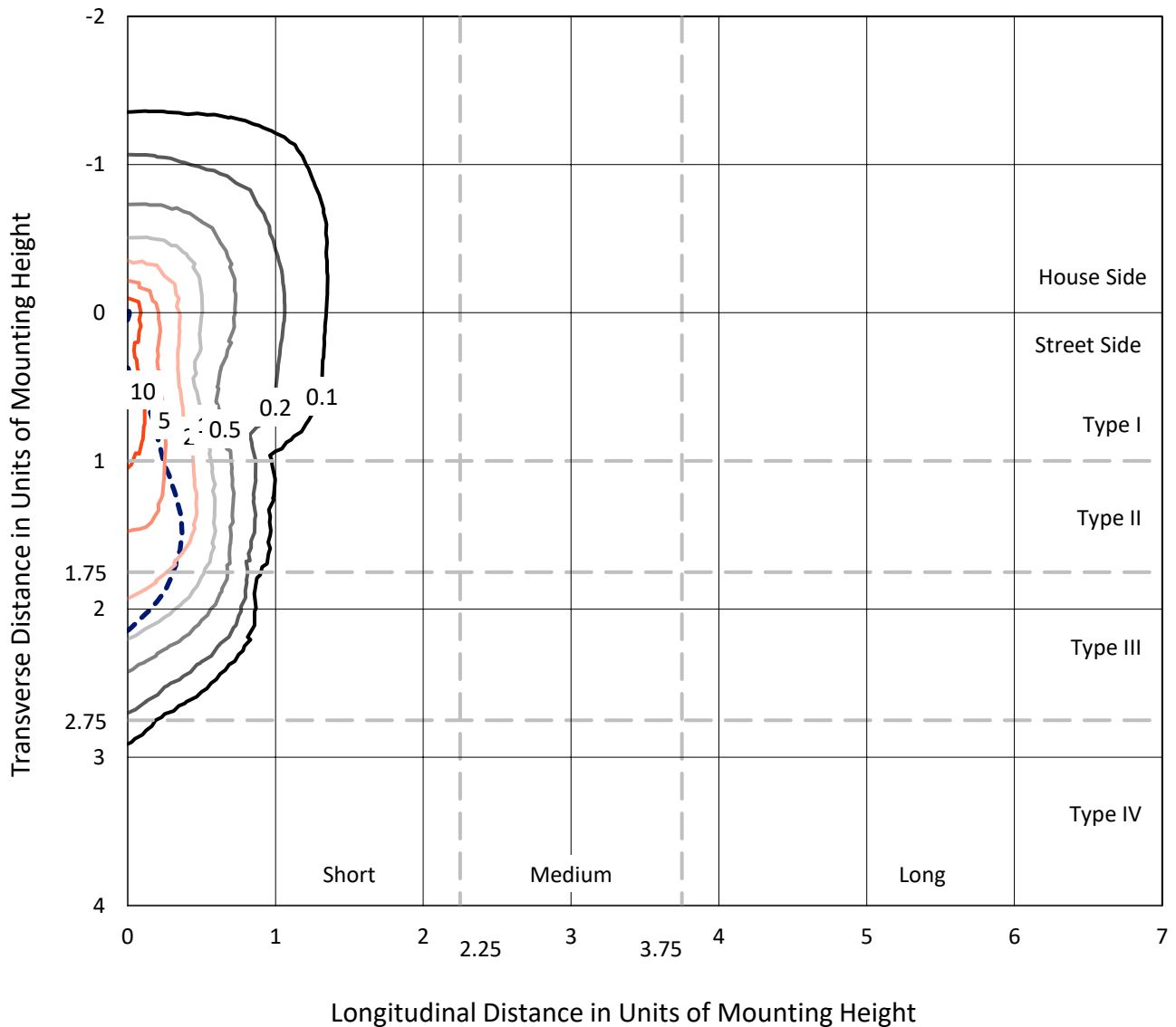
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531929
 CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

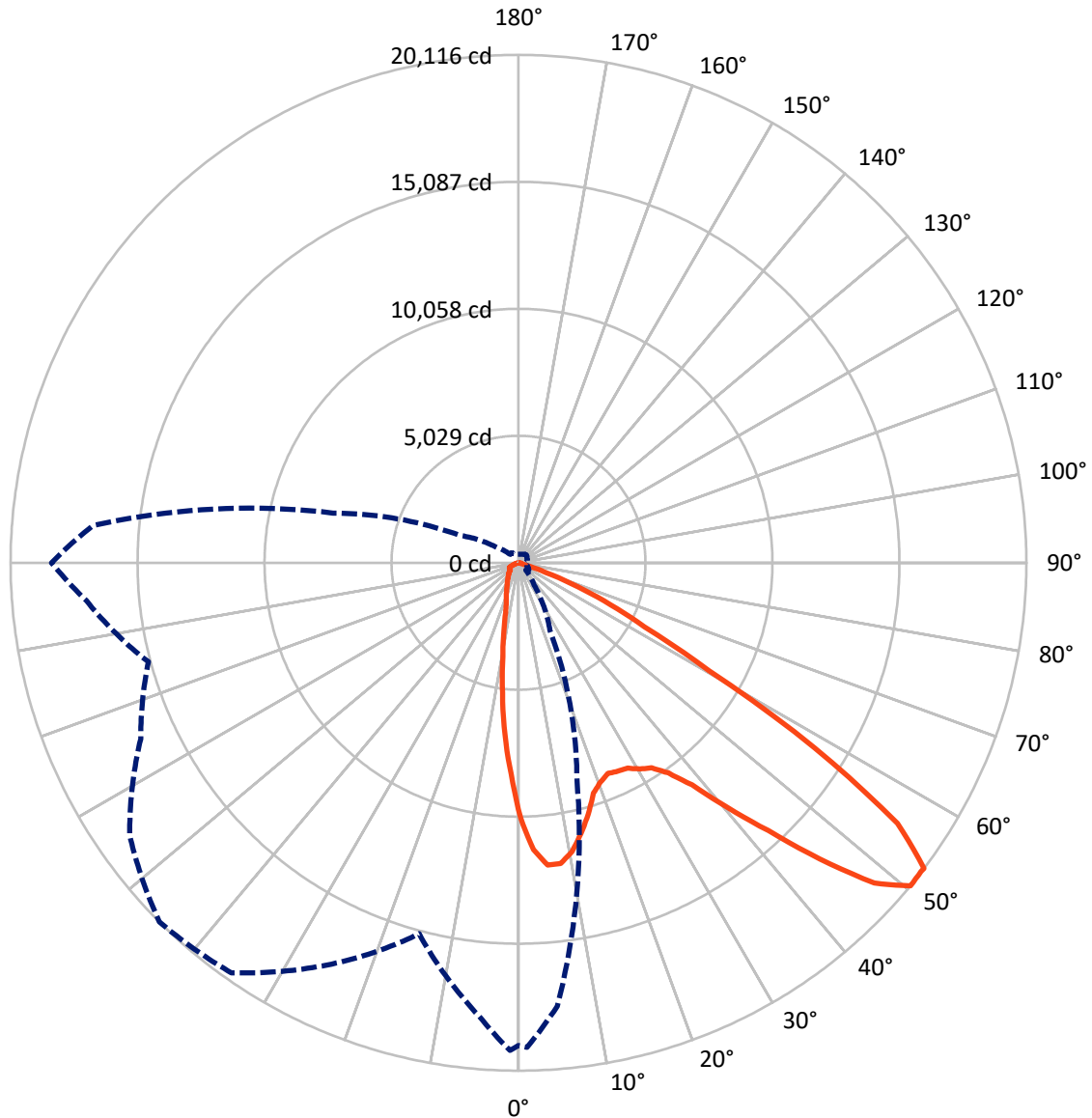
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc
 Type III - Short - N/A

REPORT NUMBER: P531929
CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P531929
 CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

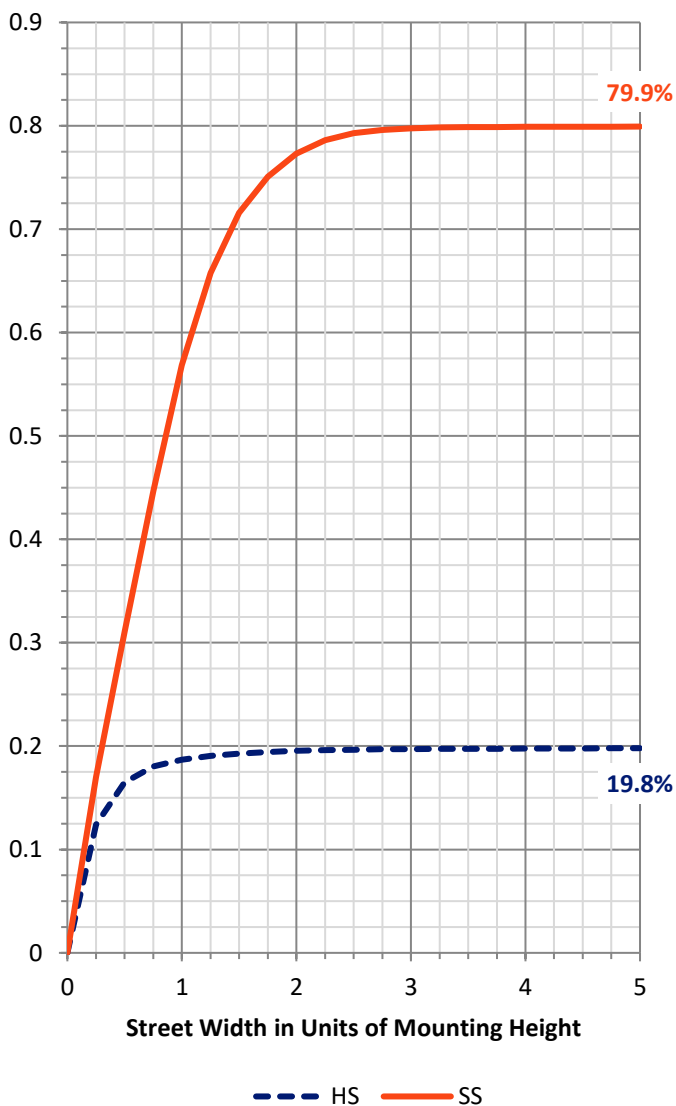
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3996.8	0.0	3996.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	15957.2	0.0	15957.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	19954.0	0.0	19954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.6	3.7
10°-20°	1465.9	7.3
20°-30°	2202.2	11.0
30°-40°	3305.5	16.6
40°-50°	4645.7	23.3
50°-60°	5011.2	25.1
60°-70°	2326.7	11.7
70°-80°	218.9	1.1
80°-90°	40.4	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°	19954.0	100.0
0°-180°	19954.0	100.0

Coefficient of Utilization



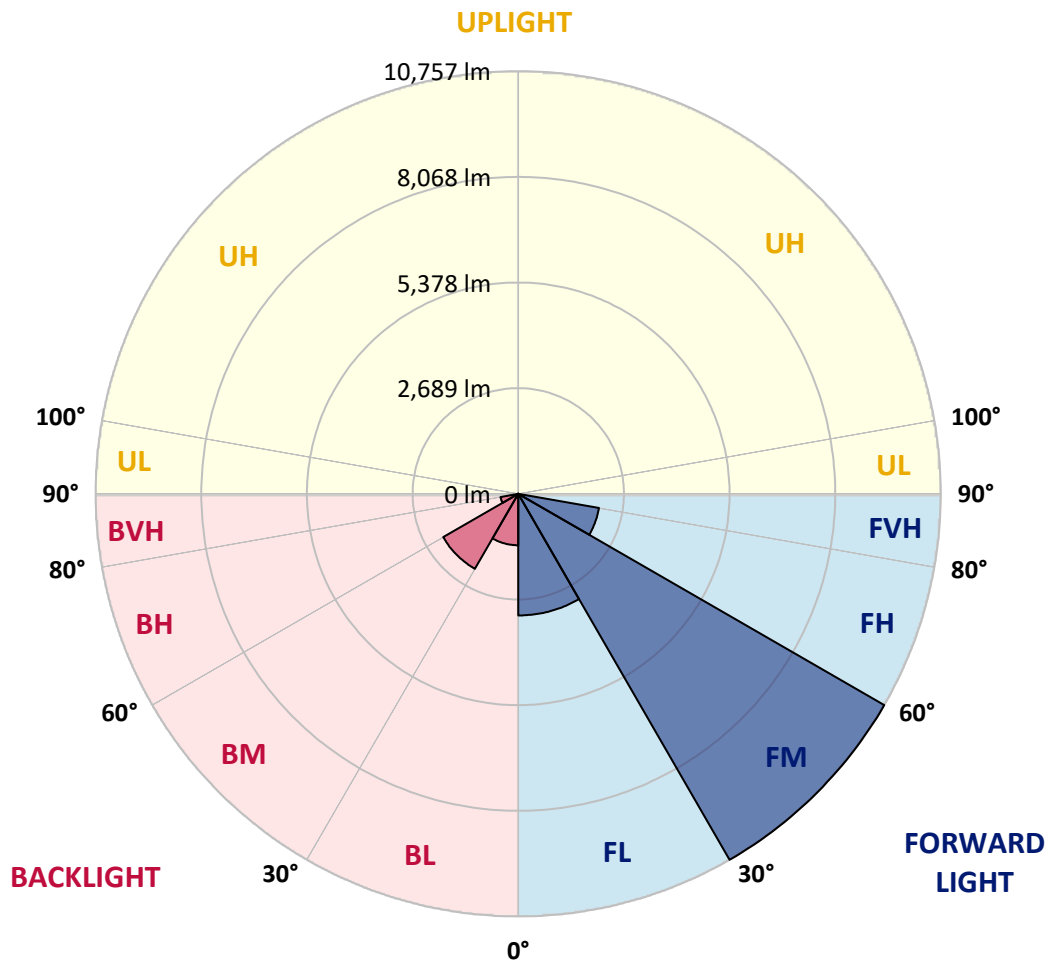
REPORT NUMBER: P531929
 CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3095.7	15.5			
FM	(30°-60°)	10756.7	53.9			
FH	(60°-80°)	2086.6	10.5			G2/5000
FVH	(80°-90°)	18.2	0.1			G1/100
BL	(0°-30°)	1310.0	6.6	B3/2500		
BM	(30°-60°)	2205.6	11.1	B2/2500		
BH	(60°-80°)	458.9	2.3	B1/500		G1/500
BVH	(80°-90°)	22.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





REPORT NUMBER: P531929

CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2
2.5°	10519.1	10356.7	10150.9	9980.6	9727.3	9216.5	9078.0	8911.7	8773.1	8587.1	8325.8
5°	9564.9	9513.5	9418.5	8777.1	8313.9	7696.3	7189.5	6975.8	6694.7	6465.0	6298.8
7.5°	8836.5	8630.6	8329.7	7684.4	6944.1	6282.9	5720.7	5392.2	5020.0	4893.3	4667.7
10°	8056.6	8104.1	7660.7	6754.0	5859.3	5324.8	4976.5	4659.7	4323.2	4101.5	3780.8
12.5°	7807.1	7652.7	7312.3	6191.9	5427.8	4928.9	4505.3	4113.4	3757.1	3400.8	3092.0
15°	7969.5	7731.9	7256.8	6073.1	5095.2	4473.7	3943.2	3412.7	3084.1	2628.8	2308.1
17.5°	8551.4	8361.4	7724.0	6199.8	4925.0	4038.2	3250.3	2704.0	2201.2	1789.5	1627.1
20°	9521.4	9252.2	8452.5	6362.1	4671.6	3511.6	2636.7	1963.7	1488.6	1314.4	1223.3
22.5°	10471.5	10325.1	9315.5	6674.9	4446.0	3044.5	1979.5	1322.3	1112.5	1080.8	1021.4
25°	12280.8	11841.4	10633.9	7241.0	4271.8	2605.0	1492.5	1065.0	942.2	918.5	926.4
27.5°	13357.7	12989.5	11853.2	7617.1	4077.8	2268.5	1262.9	977.9	894.7	843.3	823.5
30°	14390.9	13963.4	12459.0	7838.8	3662.1	1912.2	1120.4	938.3	918.5	843.3	819.5
32.5°	15186.7	14767.1	13333.9	8171.4	3491.8	1682.6	922.4	732.4	680.9	673.0	744.3
35°	16406.1	15958.7	14082.1	8353.5	3361.2	1563.8	799.7	653.2	593.8	570.1	574.1
37.5°	17542.3	17237.5	14775.0	8424.7	3222.6	1528.2	716.6	585.9	534.5	518.6	514.7
40°	18492.5	17811.5	15432.2	8500.0	3163.2	1460.9	665.1	534.5	498.8	475.1	475.1
42.5°	18928.0	18235.1	16168.5	8456.4	3147.4	1354.0	665.1	490.9	463.2	439.4	435.5
45°	18832.9	18551.9	16497.1	8436.6	3147.4	1247.1	605.7	479.0	439.4	407.8	399.9
47.5°	19078.4	18710.2	16908.9	8519.8	3084.1	1171.9	510.7	502.8	415.7	376.1	368.2
50°	19121.9	19193.2	17625.4	8951.3	2945.5	1076.8	399.9	494.9	399.9	340.5	332.6
52°	19407.0	18963.6	17843.2	9180.9	2799.0	1005.6	336.5	423.6	384.0	316.7	308.8
52.5°	19015.1	19304.1	17894.7	9264.1	2814.8	958.1	324.6	415.7	376.1	316.7	296.9
55°	18575.6	18852.7	17684.8	9442.2	2581.3	752.2	253.4	300.9	340.5	277.1	265.3
57.5°	16144.8	16425.9	15368.8	8646.4	2102.2	530.5	209.8	225.7	300.9	257.3	245.5
60°	14351.4	14149.5	12898.4	7213.3	1492.5	296.9	166.3	174.2	328.6	237.5	233.6
62.5°	13116.2	12684.6	10780.3	5570.3	910.6	197.9	130.6	134.6	253.4	221.7	221.7
65°	9703.5	9220.5	7161.8	3369.1	447.4	138.6	99.0	106.9	158.4	190.0	190.0
67.5°	5538.6	5352.6	3460.2	1520.3	186.1	87.1	75.2	83.1	122.7	154.4	146.5
70°	2545.6	2284.3	1330.2	320.7	87.1	59.4	59.4	67.3	99.0	114.8	106.9
72.5°	744.3	704.7	324.6	51.5	35.6	35.6	39.6	51.5	75.2	87.1	79.2
75°	55.4	35.6	23.8	15.8	15.8	23.8	31.7	51.5	75.2	83.1	67.3
77.5°	4.0	7.9	4.0	4.0	11.9	23.8	35.6	63.3	99.0	102.9	75.2
80°	4.0	4.0	0.0	4.0	11.9	23.8	39.6	71.3	110.9	118.8	63.3
82.5°	0.0	0.0	0.0	4.0	15.8	31.7	47.5	75.2	102.9	126.7	67.3
85°	0.0	0.0	0.0	4.0	23.8	43.5	55.4	19.8	11.9	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



REPORT NUMBER: P531929

CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2
2.5°	8511.8	8408.9	8369.3	8404.9	8393.1	8381.2	8598.9	8551.4	8543.5	8614.8	8598.9
5°	6389.8	6207.7	6706.5	6504.6	6714.5	6841.1	6864.9	6876.8	7023.3	6868.9	7070.8
7.5°	4552.8	4600.4	4596.4	4731.0	4972.5	5186.3	5313.0	5214.0	5206.1	5186.3	5099.2
10°	3638.3	3555.2	3539.3	3507.7	3582.9	3765.0	3919.4	3796.7	3709.6	3828.3	3792.7
12.5°	2973.2	2858.4	2795.1	2668.4	2672.3	2795.1	2795.1	2795.1	2882.1	2949.5	3000.9
15°	2280.4	2185.4	2185.4	2058.7	2031.0	2034.9	2098.3	2106.2	2244.8	2284.3	2304.1
17.5°	1595.5	1544.0	1603.4	1654.9	1623.2	1631.1	1654.9	1662.8	1682.6	1666.7	1706.3
20°	1227.3	1219.4	1235.2	1326.3	1393.6	1433.2	1405.4	1365.9	1342.1	1286.7	1286.7
22.5°	1041.2	1057.1	1084.8	1160.0	1247.1	1270.8	1239.2	1148.1	1076.8	1068.9	1072.9
25°	926.4	942.2	985.8	1033.3	1080.8	1120.4	1088.7	1021.4	981.8	946.2	946.2
27.5°	855.1	863.1	886.8	922.4	962.0	993.7	981.8	946.2	902.7	886.8	851.2
30°	799.7	811.6	839.3	847.2	882.9	898.7	878.9	871.0	843.3	823.5	811.6
32.5°	772.0	768.0	787.8	795.8	799.7	811.6	787.8	799.7	795.8	764.1	752.2
35°	582.0	613.6	665.1	708.7	720.5	736.4	732.4	716.6	673.0	637.4	593.8
37.5°	522.6	542.4	570.1	605.7	653.2	673.0	665.1	625.5	574.1	550.3	542.4
40°	483.0	494.9	518.6	542.4	589.9	625.5	597.8	562.2	522.6	502.8	490.9
42.5°	447.4	451.3	463.2	487.0	522.6	578.0	530.5	483.0	467.2	455.3	447.4
45°	407.8	407.8	423.6	435.5	475.1	526.5	479.0	435.5	427.6	419.7	415.7
47.5°	376.1	380.1	388.0	403.8	435.5	471.1	439.4	403.8	384.0	380.1	372.1
50°	336.5	340.5	356.3	372.1	411.7	431.5	411.7	372.1	352.4	340.5	340.5
52°	304.8	316.7	332.6	364.2	391.9	423.6	399.9	356.3	332.6	320.7	312.8
52.5°	300.9	308.8	324.6	360.3	391.9	419.7	395.9	352.4	324.6	316.7	308.8
55°	269.2	281.1	308.8	352.4	388.0	419.7	388.0	348.4	308.8	289.0	281.1
57.5°	257.3	265.3	300.9	356.3	384.0	419.7	388.0	348.4	308.8	273.2	265.3
60°	245.5	261.3	300.9	344.4	380.1	423.6	391.9	344.4	300.9	257.3	257.3
62.5°	233.6	245.5	296.9	336.5	364.2	407.8	376.1	336.5	289.0	245.5	241.5
65°	201.9	221.7	261.3	281.1	312.8	352.4	320.7	293.0	253.4	217.7	213.8
67.5°	154.4	162.3	194.0	217.7	237.5	273.2	257.3	221.7	194.0	166.3	166.3
70°	106.9	114.8	138.6	150.4	170.2	190.0	178.2	150.4	130.6	114.8	110.9
72.5°	75.2	79.2	87.1	95.0	102.9	110.9	106.9	87.1	75.2	71.3	67.3
75°	59.4	67.3	71.3	67.3	63.3	59.4	59.4	51.5	43.5	39.6	39.6
77.5°	59.4	63.3	59.4	51.5	43.5	39.6	35.6	31.7	23.8	19.8	23.8
80°	51.5	51.5	51.5	43.5	39.6	35.6	31.7	27.7	23.8	19.8	19.8
82.5°	55.4	55.4	51.5	43.5	43.5	35.6	35.6	31.7	27.7	19.8	19.8
85°	0.0	0.0	0.0	7.9	19.8	35.6	35.6	31.7	27.7	23.8	23.8
87.5°	0.0	0.0	0.0	0.0	4.0	7.9	15.8	19.8	23.8	23.8	23.8
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: P531929

CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2
2.5°	8741.5	8891.9	9177.0	9462.0	9636.2	9842.1	10214.2	10412.2	10669.5	10796.2	11045.6
5°	7043.1	7399.4	7526.1	7850.7	8199.1	8547.5	9101.7	9711.4	10218.2	10566.6	11017.9
7.5°	5138.8	5221.9	5712.8	5930.6	6500.7	7134.1	7890.3	8658.3	9299.7	9869.8	10214.2
10°	3852.1	4156.9	4465.7	4881.4	5340.7	5993.9	6718.4	7565.6	8397.0	8967.1	9402.6
12.5°	3095.9	3337.4	3749.2	4196.5	4762.7	5194.2	5922.7	6762.0	7838.8	8397.0	8971.1
15°	2343.7	2652.5	3119.7	3582.9	4180.7	4636.0	5372.4	6429.4	7815.1	8583.1	9078.0
17.5°	1738.0	1947.8	2367.5	2886.1	3495.8	4137.2	5130.9	6393.8	8080.3	8994.8	9505.5
20°	1330.2	1401.5	1666.7	2129.9	2791.1	3630.4	4738.9	6548.2	8864.2	9996.5	10515.1
22.5°	1076.8	1108.5	1211.5	1532.1	2173.5	3187.0	4552.8	6655.1	9747.0	11196.0	11888.9
25°	938.3	930.4	997.7	1136.2	1698.4	2771.3	4315.3	7058.9	10827.9	12605.4	13227.0
27.5°	855.1	855.1	886.8	985.8	1409.4	2502.1	4164.9	7347.9	11916.6	13844.6	14181.1
30°	811.6	819.5	910.6	942.2	1171.9	2181.4	3915.4	7640.9	12957.8	14636.4	15099.6
32.5°	752.2	720.5	700.7	779.9	985.8	1892.4	3666.0	7763.6	13801.1	15606.4	16002.3
35°	578.0	562.2	585.9	645.3	847.2	1646.9	3388.9	7902.2	14771.0	16730.7	16809.9
37.5°	522.6	518.6	534.5	585.9	712.6	1433.2	3191.0	7866.5	15511.3	17661.1	17447.3
40°	483.0	483.0	494.9	538.4	637.4	1282.7	2985.1	7834.9	16227.9	18706.3	18080.7
42.5°	451.3	451.3	471.1	498.8	605.7	1183.7	2830.7	7791.3	16829.7	19347.6	18452.9
45°	407.8	419.7	451.3	479.0	613.6	1116.4	2715.9	7625.0	17035.6	19339.7	18274.7
47.5°	376.1	391.9	423.6	463.2	554.3	1096.6	2636.7	7478.5	16964.3	18864.6	17716.5
50°	340.5	360.3	403.8	471.1	471.1	1057.1	2553.6	7609.2	16912.8	18496.4	17182.0
52°	316.7	332.6	388.0	459.2	411.7	973.9	2502.1	7862.6	17122.7	18448.9	16944.5
52.5°	312.8	324.6	376.1	451.3	391.9	958.1	2466.5	7922.0	17190.0	18330.2	17106.8
55°	277.1	293.0	344.4	352.4	320.7	787.8	2351.6	8056.6	16857.4	18096.6	16952.4
57.5°	261.3	269.2	304.8	289.0	277.1	593.8	2023.0	7846.7	14972.9	16073.5	15772.6
60°	241.5	249.4	285.0	225.7	233.6	415.7	1520.3	6813.4	12023.5	13393.3	13935.7
62.5°	233.6	229.6	269.2	182.1	197.9	300.9	1072.9	5538.6	9264.1	11025.8	11964.1
65°	205.9	201.9	194.0	154.4	170.2	233.6	641.4	3614.6	6528.4	8341.6	8856.3
67.5°	158.4	166.3	142.5	122.7	142.5	182.1	356.3	1619.2	3424.5	5004.2	5419.9
70°	110.9	118.8	114.8	106.9	126.7	150.4	205.9	554.3	1417.3	2628.8	2898.0
72.5°	67.3	83.1	87.1	91.1	110.9	130.6	146.5	178.2	376.1	930.4	1156.0
75°	39.6	55.4	67.3	79.2	91.1	110.9	122.7	126.7	130.6	174.2	281.1
77.5°	27.7	39.6	59.4	75.2	91.1	110.9	130.6	138.6	130.6	122.7	130.6
80°	23.8	39.6	55.4	71.3	95.0	114.8	130.6	130.6	126.7	110.9	118.8
82.5°	23.8	39.6	59.4	75.2	91.1	110.9	126.7	130.6	118.8	110.9	114.8
85°	27.7	43.5	63.3	79.2	99.0	91.1	83.1	67.3	63.3	51.5	55.4
87.5°	27.7	39.6	39.6	43.5	47.5	47.5	47.5	43.5	35.6	31.7	31.7
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: P531929

CATALOG NUMBER: GALN-SA7B-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2	10119.2
2.5°	11057.5	11374.2	11362.3	11370.2	11322.7	11002.0	10847.6	10455.7	10566.6	10519.1
5°	11481.1	11793.8	12063.1	12031.4	11667.2	11231.7	10586.4	9976.7	9810.4	9564.9
7.5°	11057.5	11809.7	12059.1	12023.5	11485.0	10926.8	9897.5	9287.8	8998.8	8836.5
10°	10384.4	11255.4	11564.2	11627.6	11263.3	10416.1	9469.9	8492.0	8337.6	8056.6
12.5°	10000.4	10633.9	10823.9	10994.1	10867.4	10234.0	9145.3	8207.0	7993.2	7807.1
15°	9687.7	10063.8	10142.9	10336.9	10412.2	10071.7	9315.5	8515.8	7989.3	7969.5
17.5°	9976.7	9822.3	9533.3	9592.6	9830.2	10075.6	9755.0	9125.5	8614.8	8551.4
20°	10455.7	9774.8	9121.5	9268.0	9466.0	10218.2	10420.1	9976.7	9683.7	9521.4
22.5°	11006.0	9857.9	8990.9	9062.1	9438.2	10538.8	11496.9	11251.5	10705.1	10471.5
25°	12023.5	10087.5	9093.8	9141.3	9656.0	10986.2	12470.8	12653.0	12328.3	12280.8
27.5°	13017.2	10681.4	9319.5	9212.6	9766.8	11421.7	13060.7	14038.6	13468.5	13357.7
30°	13523.9	11164.4	9656.0	9473.9	10226.1	11687.0	13417.0	14941.3	14442.4	14390.9
32.5°	14299.9	11603.8	9917.3	9683.7	10483.4	12015.6	14082.1	15927.0	15444.0	15186.7
35°	14624.5	12082.9	10491.3	10218.2	11219.8	12474.8	14422.6	16805.9	16655.5	16406.1
37.5°	15250.1	12597.5	11168.3	11152.5	12110.6	13072.6	15036.3	18001.6	17973.8	17542.3
40°	15301.5	13159.7	12237.3	12736.1	13488.3	14113.8	15574.7	18334.1	18785.4	18492.5
42.5°	15380.7	14145.5	14086.1	14497.8	15143.2	15008.6	15594.5	18413.3	19102.2	18928.0
45°	15416.3	15131.3	15966.6	16726.8	16996.0	16180.4	15408.4	18262.8	19268.4	18832.9
47.5°	15131.3	15978.5	17486.9	18955.7	19034.9	16901.0	15329.2	18108.4	19367.4	19078.4
50°	15170.9	16509.0	18801.3	20115.7	19826.7	17538.4	15206.5	18013.4	19315.9	19121.9
52°	15075.9	16520.9	18987.3	20091.9	19890.0	17186.0	14996.7	17649.2	19268.4	19407.0
52.5°	15182.7	16449.6	18793.4	20107.7	19846.4	17360.2	14969.0	17851.1	19296.1	19015.1
55°	14814.6	15602.4	17657.1	18215.3	18175.7	15756.8	14117.8	17182.0	18571.6	18575.6
57.5°	13389.3	13523.9	13848.6	13836.7	13654.6	12387.7	12074.9	15800.4	16556.5	16144.8
60°	11797.8	9901.4	9026.5	8670.2	8468.3	8262.4	10681.4	14454.3	14525.6	14351.4
62.5°	10194.4	6864.9	5701.0	5602.0	5649.5	6401.7	10325.1	13919.8	13492.3	13116.2
65°	8226.8	5004.2	4141.1	4010.5	4473.7	5285.3	8357.4	10673.5	10016.3	9703.5
67.5°	5166.5	3650.2	2799.0	2553.6	3111.8	3638.3	5491.1	6706.5	5970.2	5538.6
70°	3064.3	2038.9	1266.9	1136.2	1278.8	1939.9	3076.1	3345.4	2767.3	2545.6
72.5°	1207.5	748.3	352.4	300.9	312.8	680.9	1132.3	1104.6	835.3	744.3
75°	324.6	225.7	122.7	99.0	83.1	126.7	182.1	118.8	43.5	55.4
77.5°	150.4	134.6	106.9	83.1	63.3	47.5	23.8	7.9	7.9	4.0
80°	130.6	114.8	99.0	83.1	63.3	39.6	19.8	4.0	4.0	4.0
82.5°	122.7	106.9	91.1	75.2	59.4	39.6	19.8	4.0	0.0	0.0
85°	51.5	67.3	75.2	71.3	63.3	39.6	19.8	4.0	0.0	0.0
87.5°	27.7	23.8	19.8	15.8	11.9	7.9	7.9	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)