

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: P530991

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530991
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-SA6B-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 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

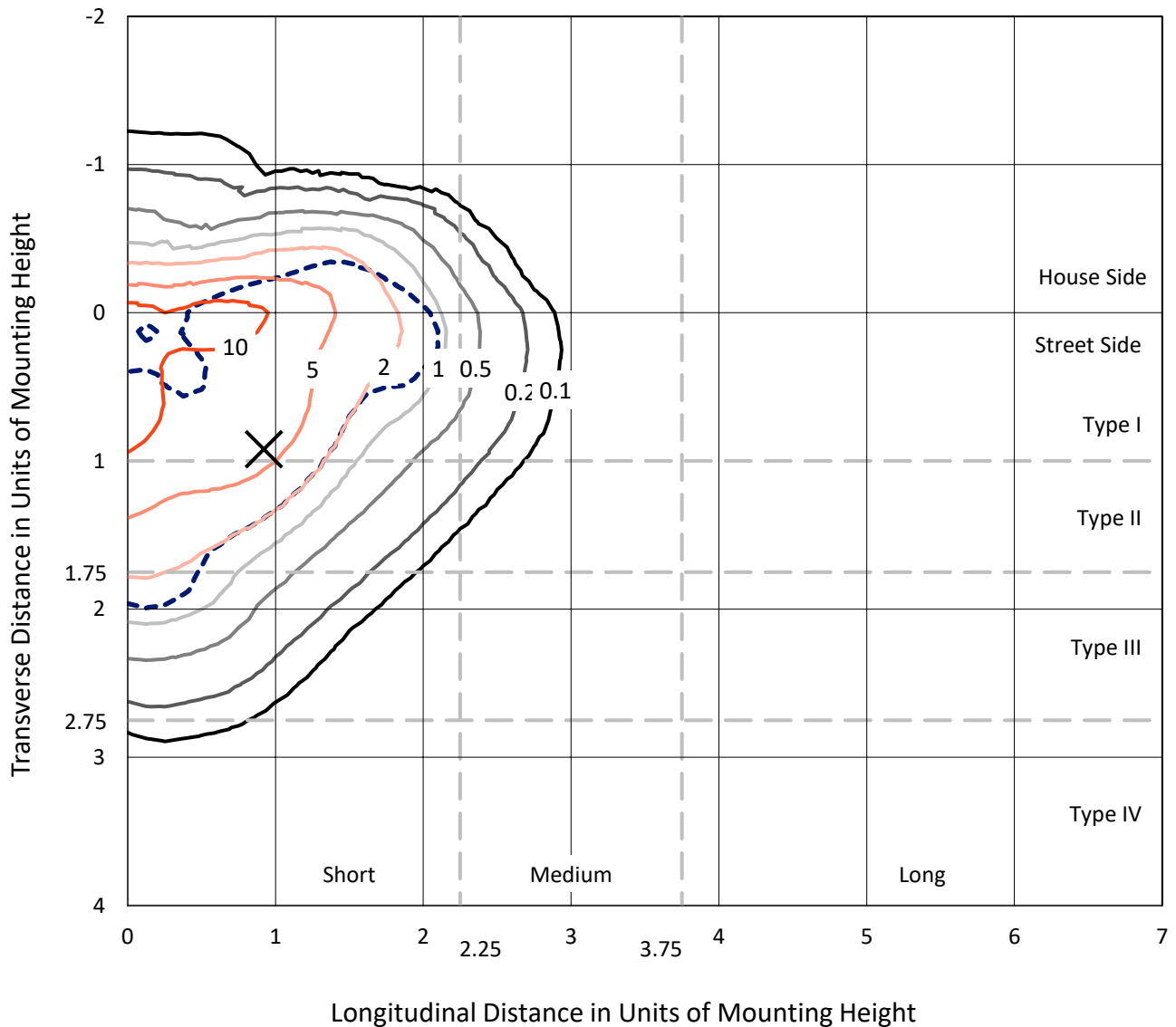
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

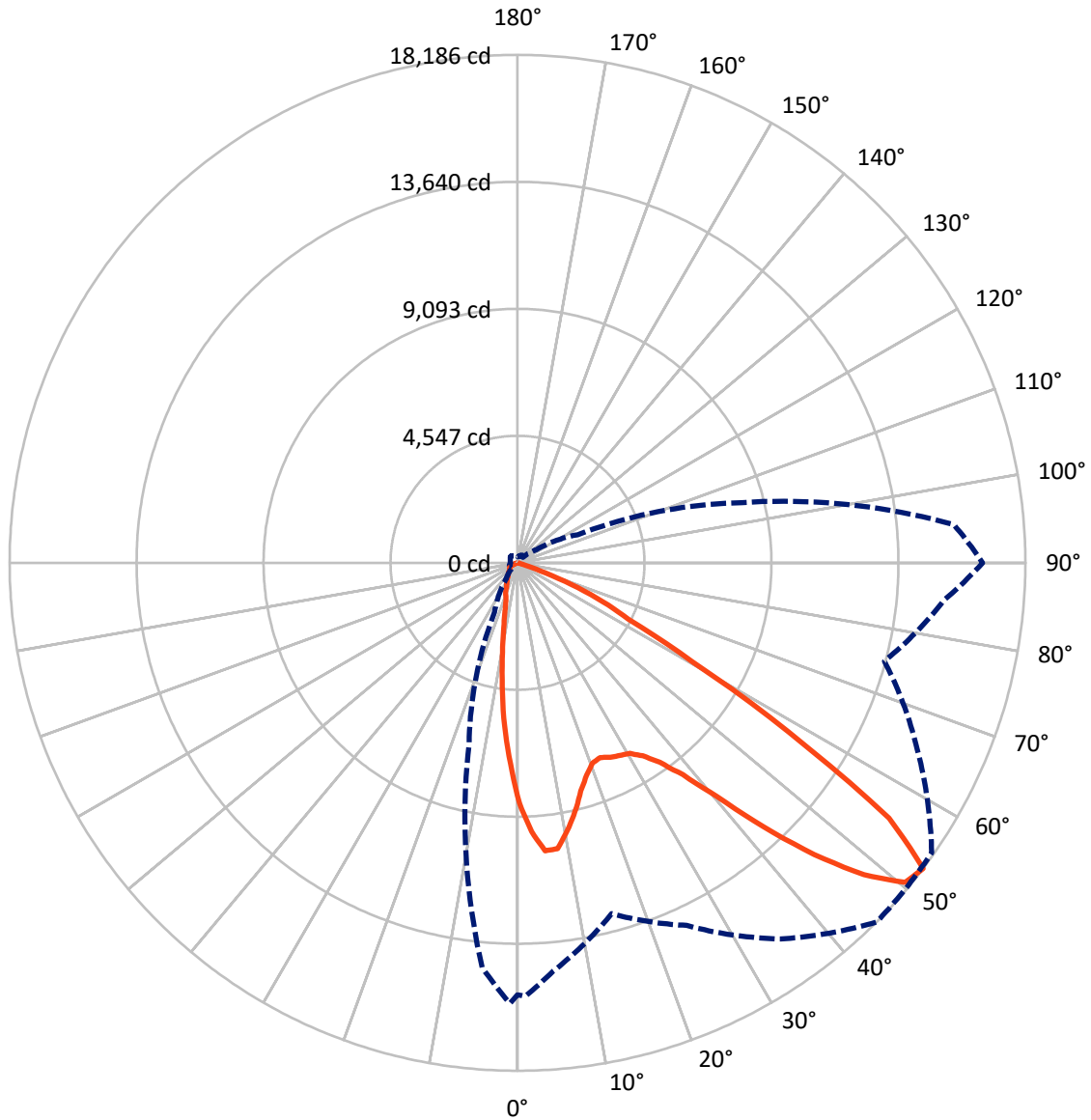
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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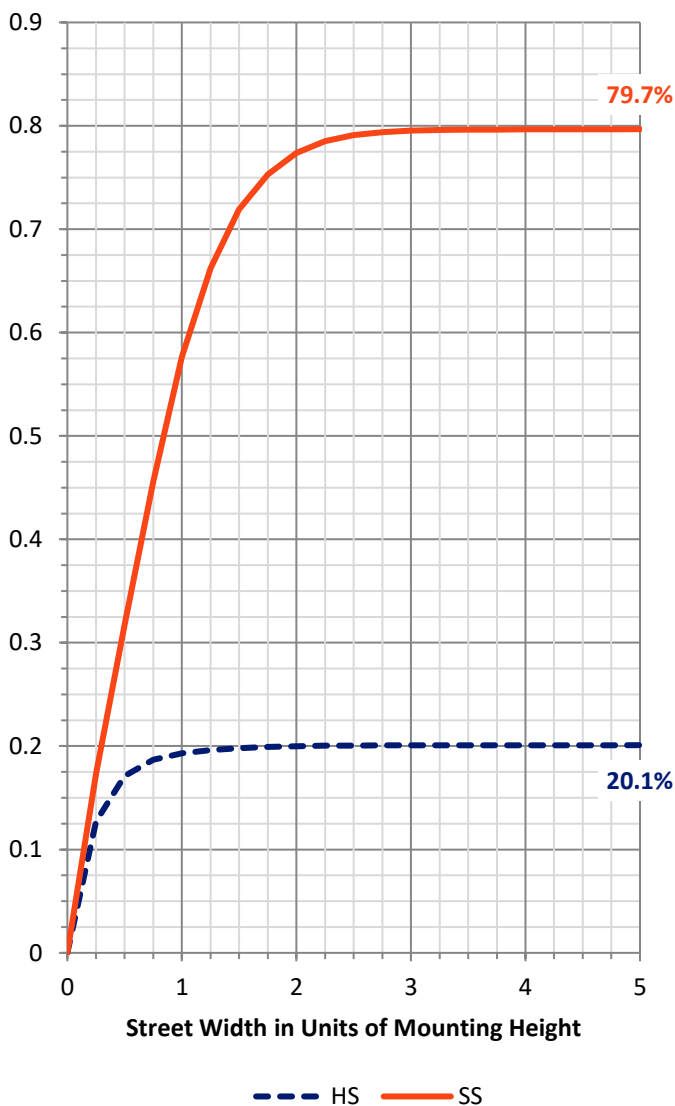
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3447.7	0.0	3447.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	13540.3	0.0	13540.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	16988.0	0.0	16988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.2	3.7
10°-20°	1239.4	7.3
20°-30°	1886.1	11.1
30°-40°	2819.1	16.6
40°-50°	4014.6	23.6
50°-60°	4315.6	25.4
60°-70°	1912.3	11.3
70°-80°	154.7	0.9
80°-90°	18.0	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°	16988.0	100.0
0°-180°	16988.0	100.0

Coefficient of Utilization



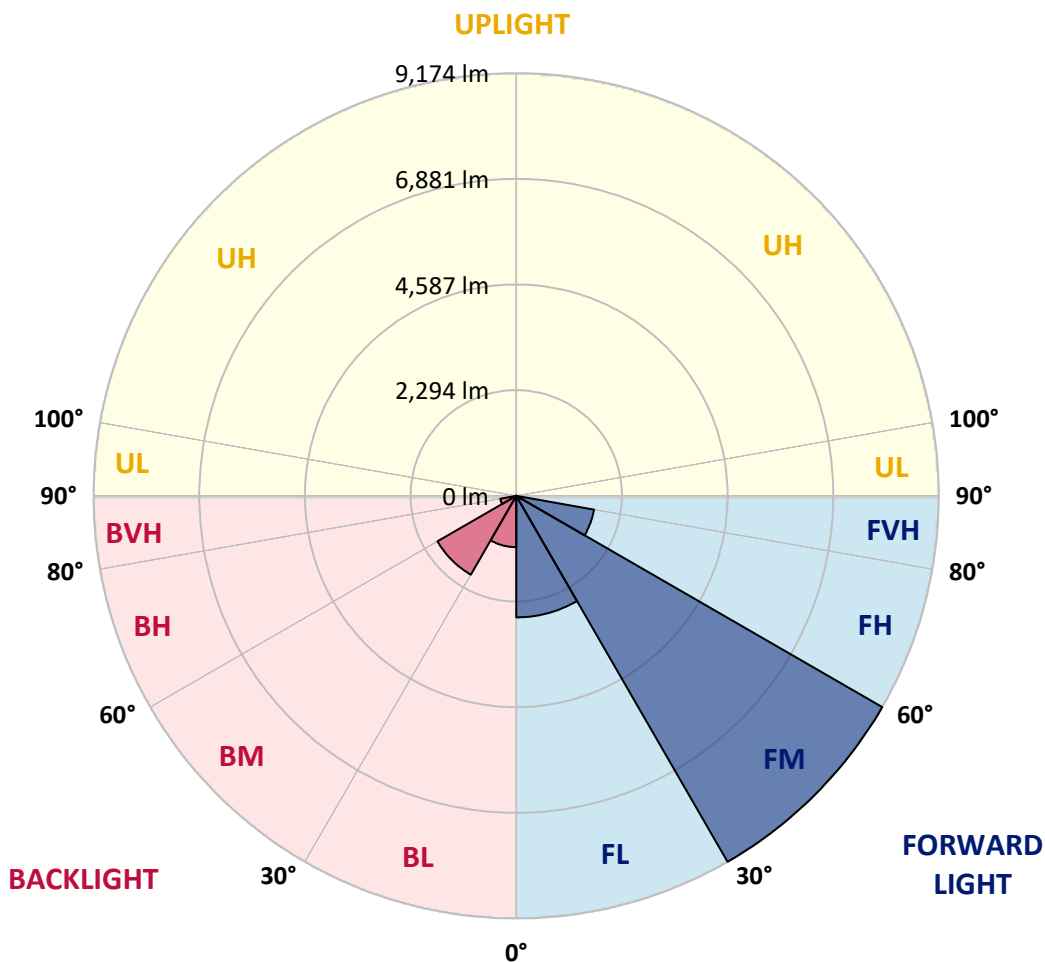
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2638.6	15.5			
FM (30°-60°)	9174.1	54.0			
FH (60°-80°)	1714.3	10.1			G1/1800
FVH (80°-90°)	13.4	0.1			G1/100
BL (0°-30°)	1115.1	6.6	B3/2500		
BM (30°-60°)	1975.2	11.6	B2/2500		
BH (60°-80°)	352.8	2.1	B1/500		G1/500
BVH (80°-90°)	4.7	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7
2.5°	9114.9	9141.6	9288.6	9472.4	9569.3	9789.8	9636.1	9676.2	9592.7	9298.7	9068.1
5°	8837.6	8834.2	9021.3	9475.7	9906.8	10344.5	10357.8	10123.9	9713.0	9261.9	8617.0
7.5°	8002.3	8132.6	8326.4	9051.4	9850.0	10177.4	10334.4	10060.5	9429.0	8784.1	8085.8
10°	7370.8	7437.6	7765.0	8640.4	9225.2	9662.9	9759.7	9602.7	9118.2	8313.0	7531.1
12.5°	7006.6	7040.0	7424.2	8159.3	8777.4	9101.5	9148.3	9221.8	8874.3	8119.2	7180.3
15°	7009.9	7036.6	7554.5	8169.3	8413.2	8326.4	8480.1	8476.7	8627.1	8082.4	7474.3
17.5°	7514.4	7544.5	8012.3	8316.3	8209.4	8005.6	7995.6	8149.3	8466.7	8540.2	7918.7
20°	8383.2	8453.3	8797.5	8780.8	8179.3	7768.4	7654.8	7771.7	8510.1	8927.8	8814.2
22.5°	9552.6	9649.5	9890.1	9429.0	8316.3	7608.0	7571.2	7798.4	8797.5	9793.2	9829.9
25°	10909.1	11072.9	11189.8	10598.4	8804.2	7885.3	7711.6	8102.5	9185.1	10732.0	11123.0
27.5°	11807.9	11978.3	11951.6	11106.3	9131.6	7958.8	7811.8	8176.0	9522.5	10955.9	11797.9
30°	12509.6	12613.2	12800.3	11380.2	9459.0	8166.0	7915.4	8486.7	9632.8	11343.5	12613.2
32.5°	13328.2	13398.4	13411.7	11864.7	9963.6	8426.6	8236.1	8874.3	10120.6	11714.4	13334.9
35°	14153.5	14257.1	14039.9	12462.8	10274.3	8911.1	8770.7	9545.9	10511.5	12098.6	14130.1
37.5°	15048.9	15102.4	14601.2	12710.1	10718.7	9699.6	9622.8	10271.0	11189.8	12793.6	15012.2
40°	15800.7	15850.8	15199.3	13014.1	11186.5	10802.2	10999.3	11654.2	12112.0	13244.7	15453.2
42.5°	16218.4	16335.3	15399.8	12847.1	12125.3	12051.8	12927.2	13157.8	13181.2	13371.6	15847.5
45°	16332.0	16278.5	15069.0	12984.0	12947.3	14106.7	14901.9	15206.0	14243.7	13605.5	15947.7
47.5°	15807.4	15877.6	14581.2	12863.8	14026.5	15663.7	16692.8	17257.5	15035.6	13401.7	15700.5
50°	15383.0	15292.8	14424.1	12776.9	14317.2	16398.8	17985.9	18112.8	15764.0	13652.3	15429.8
52.5°	15466.6	15523.4	14674.7	13007.4	14323.9	16442.2	18186.3	18099.5	15787.3	13595.5	15332.9
55°	15643.7	15393.1	14567.8	12499.6	13364.9	15229.4	16141.5	16007.9	14571.1	12990.7	15095.7
57.5°	13498.6	13886.2	13395.0	11159.7	10969.3	11473.8	11457.1	11868.1	10869.0	11179.8	13742.5
60°	10955.9	11022.7	11206.5	9545.9	7591.3	7417.5	7177.0	6916.4	7314.0	9559.3	12499.6
62.5°	9636.1	9555.9	10210.8	8683.9	5359.3	4487.3	4447.2	4607.6	5643.3	9118.2	11724.4
65°	7003.2	7103.5	7577.9	6739.3	4022.8	3424.8	3364.6	3839.1	4567.5	7307.3	8947.8
67.5°	4276.8	4470.6	4514.0	4156.5	2729.8	2168.5	2081.6	2512.6	3297.8	4727.8	5245.7
70°	1974.7	2208.6	2429.1	2268.7	1580.4	892.1	842.0	1055.8	1663.9	2719.8	2783.2
72.5°	598.1	601.4	842.0	878.7	511.2	200.5	177.1	233.9	564.7	898.8	945.6
75°	43.4	46.8	113.6	130.3	96.9	50.1	53.5	63.5	120.3	200.5	150.4
77.5°	3.3	3.3	3.3	16.7	30.1	33.4	43.4	50.1	63.5	73.5	66.8
80°	3.3	0.0	3.3	13.4	23.4	33.4	40.1	46.8	50.1	56.8	50.1
82.5°	0.0	0.0	0.0	10.0	23.4	33.4	36.8	50.1	56.8	66.8	56.8
85°	0.0	0.0	0.0	10.0	23.4	36.8	33.4	16.7	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°	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7
2.5°	9108.2	8977.9	8680.5	8530.2	8176.0	8125.9	7778.4	7721.6	7604.7	7541.2	7387.5
5°	8333.0	8176.0	7691.5	7283.9	6809.4	6478.7	6224.7	5994.2	5860.5	5736.9	5793.7
7.5°	7701.5	7243.8	6705.9	6024.2	5476.3	5122.1	4734.5	4417.1	4230.0	4103.0	4133.1
10°	7040.0	6742.6	5994.2	5229.0	4567.5	4316.9	4012.8	3768.9	3505.0	3277.8	3170.8
12.5°	6832.8	6391.8	5452.9	4674.4	4173.2	3929.3	3581.8	3301.1	2963.7	2686.4	2589.5
15°	6869.6	6445.2	5305.9	4473.9	3882.5	3461.5	3047.2	2699.7	2328.8	2135.0	2034.8
17.5°	7467.7	6732.6	5402.8	4263.4	3478.2	2893.5	2382.3	1941.3	1663.9	1463.5	1420.0
20°	8202.7	7354.1	5609.9	4109.7	3147.4	2302.1	1740.8	1359.9	1129.3	1095.9	1085.9
22.5°	9278.6	8369.8	6054.3	4006.1	2743.2	1794.2	1192.8	989.0	925.5	918.8	922.2
25°	10782.2	9642.8	6538.8	3919.3	2439.1	1383.3	975.6	838.7	818.6	808.6	825.3
27.5°	11433.7	10411.3	6796.1	3732.2	2161.8	1246.3	962.3	832.0	775.2	758.5	768.5
30°	12238.9	10922.5	7200.4	3411.4	1754.1	1025.8	898.8	905.5	878.7	795.2	768.5
32.5°	13308.1	11560.7	7404.2	3184.2	1567.0	848.7	658.2	604.8	674.9	688.3	711.7
35°	13993.1	12208.9	7507.8	3050.5	1470.1	725.0	558.0	507.9	491.2	494.5	507.9
37.5°	15266.1	13084.3	7638.1	2910.2	1396.6	631.5	504.5	457.7	434.4	434.4	447.7
40°	16027.9	13779.3	7815.2	2833.4	1323.1	574.7	457.7	417.7	397.6	397.6	404.3
42.5°	16218.4	14123.4	7755.0	2806.6	1239.6	561.3	417.7	387.6	364.2	360.9	357.5
45°	16559.2	14648.0	7765.0	2776.6	1152.7	511.2	394.3	360.9	327.4	324.1	320.8
47.5°	16933.4	15025.5	7785.1	2659.6	1069.2	427.7	411.0	334.1	294.0	287.3	287.3
50°	16612.6	15326.2	7958.8	2542.7	962.3	347.5	404.3	314.1	260.6	250.6	253.9
52.5°	16652.7	15680.4	8326.4	2379.0	828.6	277.3	327.4	297.4	237.2	220.5	223.9
55°	16011.2	15306.2	8376.5	2205.2	648.2	213.8	250.6	260.6	200.5	193.8	193.8
57.5°	13782.6	12960.7	7390.8	1787.6	427.7	177.1	180.4	227.2	173.7	167.1	170.4
60°	11794.6	10404.6	5947.4	1179.5	267.3	140.3	130.3	230.5	153.7	150.4	160.4
62.5°	10752.1	8550.2	4510.7	731.7	183.8	106.9	90.2	187.1	133.6	133.6	147.0
65°	7768.4	5743.6	2622.9	384.2	130.3	83.5	66.8	106.9	110.3	113.6	120.3
67.5°	4811.4	2900.2	1105.9	187.1	86.9	56.8	43.4	66.8	73.5	73.5	80.2
70°	2375.6	1156.1	367.5	106.9	66.8	46.8	30.1	36.8	36.8	33.4	36.8
72.5°	735.1	347.5	93.6	66.8	46.8	30.1	16.7	13.4	6.7	0.0	3.3
75°	83.5	66.8	60.1	46.8	30.1	13.4	3.3	0.0	0.0	0.0	0.0
77.5°	50.1	56.8	56.8	46.8	30.1	10.0	0.0	0.0	0.0	0.0	0.0
80°	40.1	43.4	46.8	43.4	26.7	13.4	0.0	0.0	0.0	0.0	0.0
82.5°	50.1	56.8	63.5	56.8	36.8	16.7	6.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	10.0	3.3	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°	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7
2.5°	7324.0	7250.5	7354.1	7200.4	7197.0	7200.4	7156.9	7116.8	7180.3	7350.7	7367.4
5°	5589.9	5746.9	5797.0	5960.8	5870.6	5736.9	5763.6	5673.4	5893.9	5990.8	5914.0
7.5°	4069.6	4059.6	4397.1	4417.1	4460.5	4463.9	4457.2	4280.1	4099.7	4139.8	4260.1
10°	3157.5	2987.1	3150.8	3134.1	3241.0	3210.9	3254.4	3063.9	3127.4	3127.4	3204.2
12.5°	2572.8	2392.3	2362.3	2318.8	2362.3	2379.0	2395.7	2358.9	2465.8	2516.0	2569.4
15°	1964.6	1864.4	1837.7	1754.1	1767.5	1814.3	1854.4	1871.1	1837.7	1914.5	1921.2
17.5°	1426.7	1423.4	1440.1	1436.7	1423.4	1413.3	1410.0	1366.6	1353.2	1359.9	1386.6
20°	1082.6	1109.3	1166.1	1222.9	1253.0	1216.2	1166.1	1092.6	1062.5	1069.2	1072.5
22.5°	925.5	965.6	1042.5	1105.9	1136.0	1069.2	979.0	915.5	902.1	898.8	895.5
25°	838.7	885.4	942.2	962.3	958.9	918.8	852.0	825.3	818.6	811.9	781.8
27.5°	791.9	808.6	818.6	842.0	852.0	825.3	808.6	768.5	761.8	761.8	741.8
30°	765.1	755.1	768.5	751.8	765.1	745.1	748.4	748.4	731.7	738.4	738.4
32.5°	711.7	715.0	715.0	681.6	691.6	668.2	691.6	711.7	715.0	718.4	745.1
35°	521.2	581.4	611.4	611.4	621.5	604.8	601.4	578.0	548.0	517.9	504.5
37.5°	457.7	481.1	521.2	544.6	561.3	548.0	517.9	481.1	464.4	451.1	437.7
40°	407.6	427.7	454.4	481.1	514.6	497.8	451.1	434.4	414.3	414.3	400.9
42.5°	367.5	377.6	394.3	434.4	471.1	437.7	404.3	390.9	380.9	377.6	374.2
45°	330.8	334.1	350.8	384.2	427.7	394.3	360.9	344.1	347.5	350.8	347.5
47.5°	297.4	304.1	314.1	354.2	380.9	364.2	327.4	317.4	317.4	317.4	320.8
50°	257.3	274.0	294.0	327.4	347.5	337.5	307.4	294.0	287.3	287.3	290.7
52.5°	230.5	243.9	270.6	310.7	337.5	320.8	290.7	270.6	257.3	253.9	260.6
55°	200.5	223.9	267.3	297.4	334.1	317.4	284.0	260.6	237.2	233.9	233.9
57.5°	180.4	217.2	257.3	294.0	324.1	310.7	284.0	253.9	223.9	220.5	220.5
60°	170.4	210.5	250.6	284.0	324.1	304.1	280.7	247.3	213.8	213.8	210.5
62.5°	160.4	197.1	237.2	270.6	310.7	294.0	270.6	237.2	203.8	203.8	197.1
65°	133.6	170.4	197.1	227.2	270.6	253.9	230.5	207.2	180.4	173.7	177.1
67.5°	93.6	116.9	143.7	173.7	200.5	193.8	183.8	167.1	143.7	140.3	137.0
70°	46.8	63.5	86.9	116.9	140.3	133.6	127.0	113.6	100.2	96.9	96.9
72.5°	6.7	20.0	36.8	53.5	73.5	76.8	73.5	70.2	66.8	63.5	66.8
75°	0.0	0.0	0.0	13.4	30.1	36.8	43.4	50.1	50.1	43.4	53.5
77.5°	0.0	0.0	0.0	0.0	3.3	16.7	33.4	43.4	53.5	46.8	63.5
80°	0.0	0.0	0.0	0.0	3.3	20.0	33.4	46.8	53.5	46.8	66.8
82.5°	0.0	0.0	0.0	0.0	3.3	23.4	33.4	43.4	50.1	46.8	60.1
85°	0.0	0.0	0.0	0.0	10.0	20.0	13.4	6.7	3.3	3.3	10.0
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: P530991

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7	8613.7
2.5°	7461.0	7698.2	7952.1	8049.0	8349.7	8577.0	8730.6	9061.4	9111.5	9114.9
5°	5994.2	6114.5	6548.8	6752.6	7200.4	7547.9	7918.7	8453.3	8810.8	8837.6
7.5°	4260.1	4594.2	4778.0	5309.2	5860.5	6405.1	6956.5	7577.9	7992.2	8002.3
10°	3428.1	3645.3	3972.7	4370.3	4834.8	5389.4	6124.5	6846.2	7267.2	7370.8
12.5°	2759.9	3140.8	3515.0	3926.0	4280.1	4697.8	5489.7	6451.9	6799.4	7006.6
15°	2125.0	2472.5	2913.6	3394.7	3795.6	4353.6	5255.8	6355.0	6939.7	7009.9
17.5°	1567.0	1877.8	2285.4	2739.8	3341.2	4133.1	5295.9	6846.2	7397.5	7514.4
20°	1126.0	1306.4	1627.2	2155.1	2920.2	3875.8	5336.0	7344.0	8182.7	8383.2
22.5°	892.1	965.6	1176.1	1643.9	2449.1	3605.2	5620.0	8296.3	9261.9	9552.6
25°	775.2	815.3	915.5	1296.4	2151.8	3578.5	6074.4	9439.0	10698.6	10909.1
27.5°	748.4	755.1	842.0	1189.5	1991.4	3401.4	6248.1	10250.9	11594.1	11807.9
30°	788.5	895.5	902.1	1005.7	1694.0	3050.5	6338.3	11036.1	12352.5	12509.6
32.5°	681.6	648.2	671.6	778.5	1490.2	2846.7	6508.7	11721.1	13217.9	13328.2
35°	474.5	497.8	551.3	674.9	1303.1	2632.9	6552.2	12476.2	14039.9	14153.5
37.5°	437.7	451.1	494.5	574.7	1146.0	2512.6	6492.0	13027.5	14891.9	15048.9
40°	407.6	424.3	447.7	521.2	1029.1	2379.0	6408.5	13525.3	15413.1	15800.7
42.5°	384.2	397.6	417.7	497.8	928.9	2245.3	6291.5	14227.0	15880.9	16218.4
45°	357.5	377.6	400.9	484.5	872.1	2155.1	6204.7	14183.5	16151.5	16332.0
47.5°	330.8	364.2	390.9	451.1	855.4	2111.7	6241.4	14019.8	15931.0	15807.4
50°	304.1	347.5	394.3	374.2	815.3	2024.8	6284.9	14243.7	15406.4	15383.0
52.5°	280.7	330.8	367.5	307.4	725.0	1941.3	6705.9	14537.7	15777.3	15466.6
55°	247.3	297.4	294.0	247.3	588.1	1877.8	7036.6	14544.4	15526.7	15643.7
57.5°	223.9	264.0	230.5	207.2	434.4	1570.4	6498.7	12195.5	13291.4	13498.6
60°	207.2	257.3	173.7	163.7	284.0	1132.7	5673.4	9445.7	10565.0	10955.9
62.5°	190.5	243.9	137.0	133.6	197.1	805.2	4664.4	7905.4	9104.9	9636.1
65°	167.1	173.7	110.3	103.6	140.3	434.4	2840.1	5442.9	6806.1	7003.2
67.5°	137.0	133.6	90.2	83.5	93.6	210.5	1253.0	2726.4	3946.0	4276.8
70°	110.3	110.3	76.8	66.8	66.8	96.9	327.4	1085.9	1784.2	1974.7
72.5°	80.2	83.5	60.1	53.5	50.1	46.8	53.5	217.2	467.8	598.1
75°	70.2	73.5	60.1	46.8	36.8	30.1	23.4	20.0	26.7	43.4
77.5°	76.8	76.8	63.5	43.4	33.4	23.4	13.4	6.7	6.7	3.3
80°	96.9	100.2	83.5	56.8	40.1	26.7	16.7	6.7	3.3	3.3
82.5°	103.6	113.6	93.6	70.2	50.1	30.1	16.7	3.3	0.0	0.0
85°	26.7	43.4	73.5	63.5	50.1	30.1	16.7	3.3	0.0	0.0
87.5°	0.0	3.3	10.0	10.0	13.4	13.4	10.0	3.3	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)