

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: P533800

Luminaire Tested: **GALN-SA9B-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34988 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

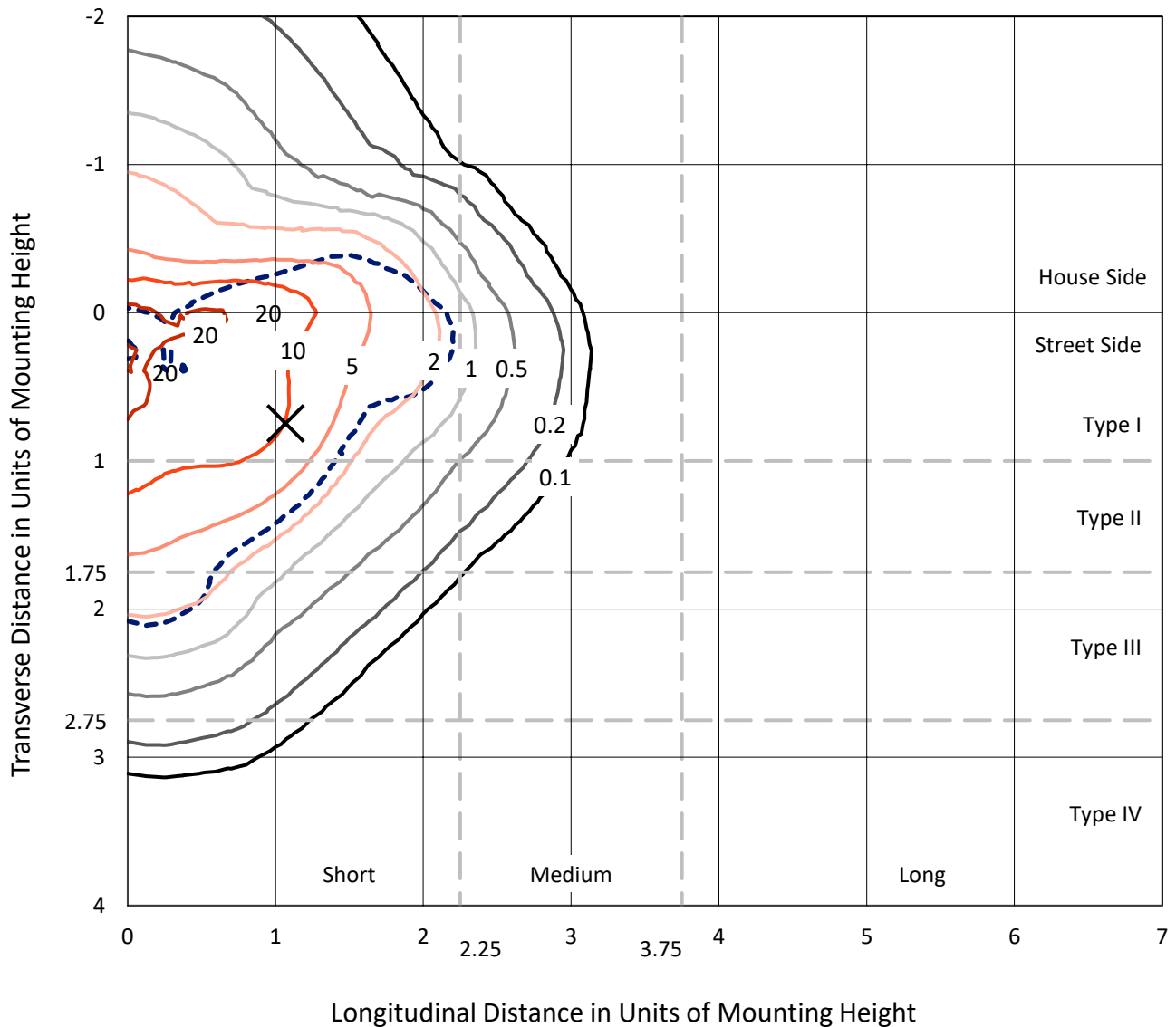
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

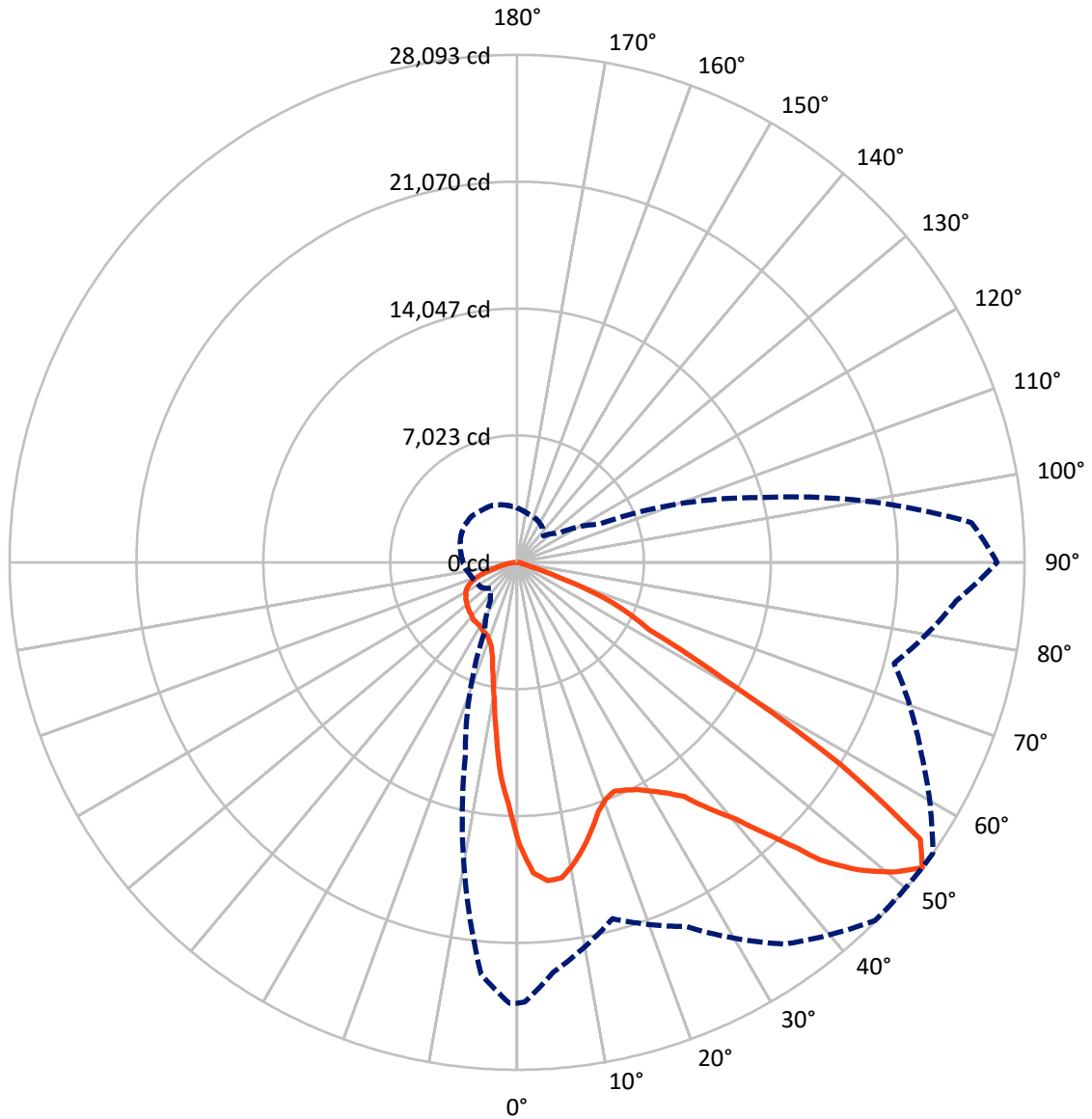
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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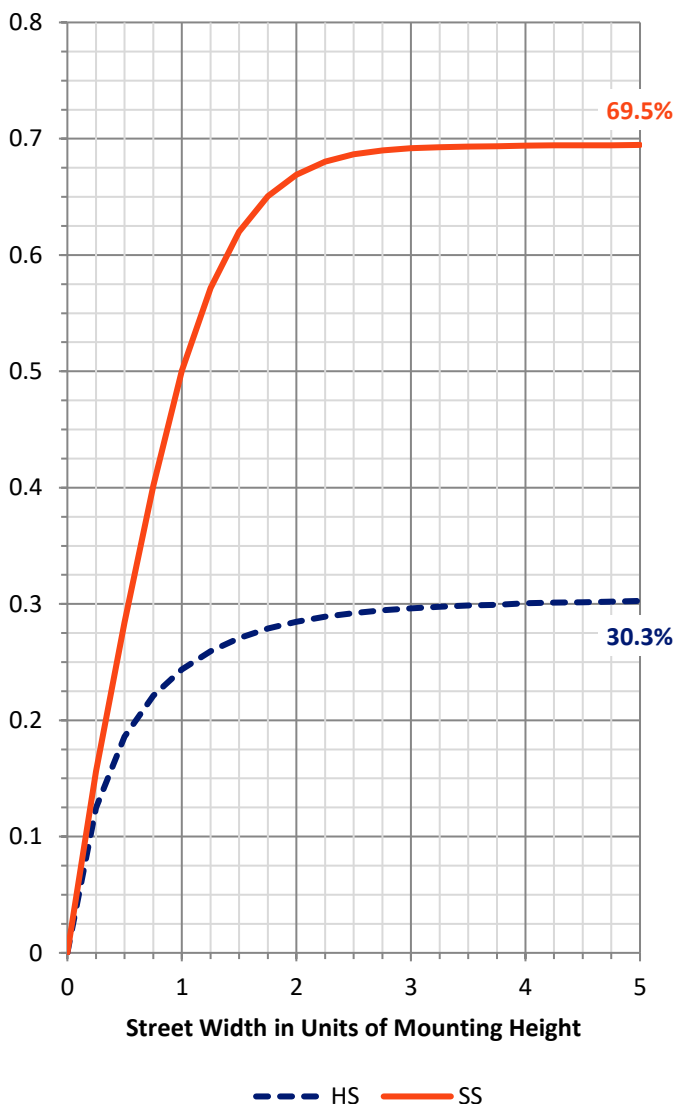
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10673.2	0.0	10673.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	24314.8	0.0	24314.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	34988.0	0.0	34988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1192.4	3.4
10°-20°	2570.9	7.3
20°-30°	3898.3	11.1
30°-40°	5632.5	16.1
40°-50°	7526.6	21.5
50°-60°	8401.3	24.0
60°-70°	4608.5	13.2
70°-80°	996.3	2.8
80°-90°	161.2	0.5
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°	34988.0	100.0
0°-180°	34988.0	100.0

Coefficient of Utilization

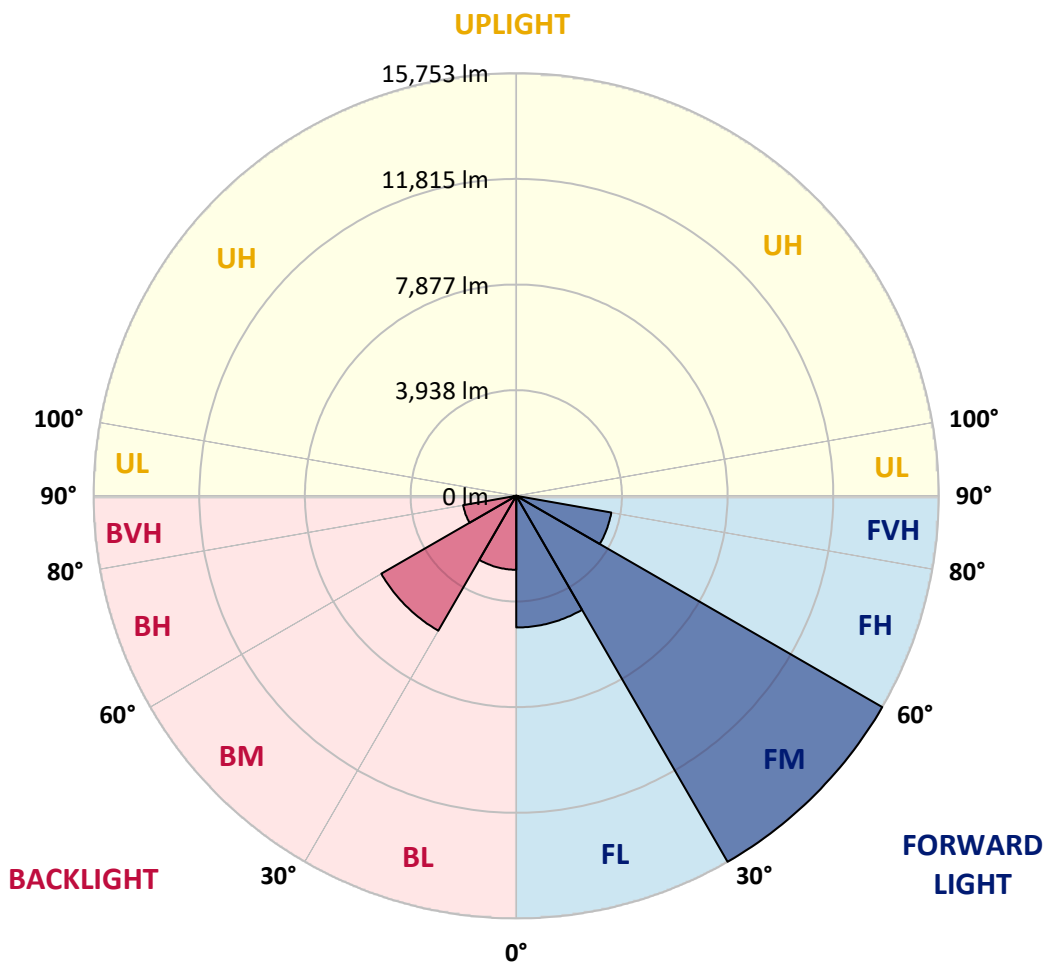


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4906.0	14.0			
FM (30°-60°)	15753.2	45.0			
FH (60°-80°)	3595.9	10.3			G2/5000
FVH (80°-90°)	59.7	0.2			G1/100
BL (0°-30°)	2755.7	7.9	B4/5000		
BM (30°-60°)	5807.1	16.6	B4/8500		
BH (60°-80°)	2008.9	5.7	B3/2500		G3/2500
BVH (80°-90°)	101.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4
2.5°	16378.8	16286.8	16368.6	16756.8	16981.6	17134.9	17231.9	17216.6	16848.8	16491.2	16491.2
5°	15898.6	15781.1	15949.6	16828.4	17712.2	17788.8	17916.5	17707.1	17165.5	16511.6	15694.2
7.5°	14509.0	14595.8	14876.8	16031.4	17180.9	17758.2	17911.4	17645.8	16767.0	15546.0	14345.5
10°	13308.4	13512.8	14161.6	15408.1	16465.6	17216.6	17385.2	17012.3	16317.5	14820.6	13747.8
12.5°	12894.6	12766.9	13487.2	14733.8	15745.3	16148.9	16225.5	16251.1	15781.1	14452.8	13144.9
15°	12843.5	12925.2	13487.2	14432.3	15055.6	15076.0	15203.8	15403.0	15464.3	14703.1	13425.9
17.5°	13579.2	13482.1	14059.4	14810.4	14514.1	14217.8	14248.4	14534.5	15040.3	14917.7	14309.7
20°	14667.3	14887.0	15341.7	15265.1	14468.1	13717.1	13722.2	13993.0	14989.2	15806.6	15540.9
22.5°	16475.8	16690.4	17027.6	16102.9	14468.1	13568.9	13395.2	13763.1	15316.2	16864.1	16930.5
25°	18126.0	18519.4	18611.3	17523.2	15193.5	13706.9	13594.5	13957.2	15643.1	17896.1	18524.5
27.5°	19628.0	19771.0	20174.6	18437.6	15597.1	13798.8	13788.6	14253.5	16056.9	18412.1	19949.8
30°	20813.2	20797.9	21027.8	19014.9	16240.8	14314.8	13819.3	14698.0	16598.5	19265.2	21267.9
32.5°	21620.4	21794.1	22279.4	19817.0	16511.6	14805.3	14417.0	15219.1	17257.5	19668.8	22197.7
35°	23040.6	23342.1	22729.0	20261.5	17369.9	15290.6	14835.9	15929.2	17584.5	20108.2	23337.0
37.5°	24379.1	24149.3	23526.0	20501.6	17926.7	16189.8	15765.7	17303.5	18601.1	21063.5	24093.1
40°	25237.4	25232.3	24123.7	20695.7	18320.1	17564.0	17538.5	18698.2	19847.7	21666.4	24941.1
42.5°	25610.4	25968.0	24368.9	20675.3	19147.7	19229.5	19745.5	20782.6	20731.5	21789.0	24920.7
44°	26121.2	26335.8	24793.0	20721.3	19699.5	20353.4	21569.3	22228.3	21502.9	21722.6	24895.1
45°	26100.8	26116.1	24190.1	20782.6	20169.5	21293.4	22381.6	23495.3	22182.4	21579.5	25232.3
47.5°	25503.1	25329.4	23679.2	20327.9	21635.7	23776.3	24782.7	25457.1	23020.2	21273.0	24813.4
50°	24323.0	24123.7	22437.8	20133.7	21942.3	25319.2	26708.8	26954.0	23781.4	20971.6	24399.6
52.5°	24404.7	24348.5	22790.3	20424.9	22248.8	25804.5	28031.9	28093.2	24644.8	21605.1	24404.7
55°	25865.8	25671.7	23801.9	20787.7	22024.0	25237.4	27189.0	27081.7	24353.6	21221.9	24854.3
57.5°	23669.0	23796.7	22402.0	19352.1	19275.5	20516.9	21375.2	21109.5	20322.8	19152.9	23122.4
60°	19096.7	19459.4	19592.2	16184.6	14544.7	13906.1	13650.7	13180.7	13313.5	15735.1	20312.6
62.5°	16378.8	16358.3	17191.1	14672.4	9527.9	8194.5	8071.9	8179.2	9711.8	15489.9	19893.6
65°	12986.5	13333.9	13589.4	12434.8	7540.6	6084.6	6079.5	6758.9	8404.0	12945.7	16062.0
67.5°	8245.6	8700.3	9017.0	7954.4	5042.4	4332.3	4214.8	5032.2	5824.0	8490.8	9670.9
70°	4649.0	4863.6	5006.6	4587.7	3208.3	2247.9	2115.0	2309.2	3520.0	5497.1	5732.1
72.5°	1793.2	1890.3	2084.4	2099.7	1210.8	725.4	587.5	705.0	1481.5	2176.3	2074.2
75°	275.9	296.3	418.9	500.7	347.4	265.7	281.0	291.2	413.8	562.0	470.0
77.5°	132.8	132.8	127.7	148.2	173.7	189.0	204.4	224.8	245.2	270.8	260.5
80°	86.8	86.8	86.8	102.2	127.7	153.3	173.7	183.9	194.1	214.6	204.4
82.5°	56.2	56.2	56.2	76.6	102.2	127.7	137.9	163.5	183.9	214.6	199.2
85°	30.7	30.7	30.7	51.1	76.6	107.3	102.2	81.7	46.0	5.1	10.2
87.5°	10.2	10.2	10.2	10.2	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°	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4
2.5°	16062.0	15827.0	15806.6	15326.4	14897.2	14687.8	14519.2	14049.2	14151.3	13880.6	13875.5
5°	15285.5	14805.3	14028.7	13390.1	12751.5	12623.8	12067.0	11581.6	11597.0	11249.6	11310.9
7.5°	13890.8	13558.7	12613.6	11612.3	10764.2	10161.4	9635.2	9318.4	8914.8	8776.9	8705.4
10°	13007.0	12598.3	11535.6	10278.9	9328.7	9006.8	8501.0	8220.0	7806.2	7601.9	7458.8
12.5°	12618.7	12021.0	10692.7	9415.5	8782.0	8449.9	8020.8	7509.9	7019.5	6830.5	6569.9
15°	12659.6	11944.4	10447.5	9068.1	8306.9	7663.2	7280.0	6713.0	6212.3	5880.2	5691.2
17.5°	13277.7	12409.3	10559.9	8802.4	7709.2	6902.0	6151.0	5537.9	5139.4	4889.1	4827.8
20°	14738.9	13558.7	10748.9	8373.3	7111.4	6105.0	5180.3	4541.7	4235.2	4230.1	4235.2
22.5°	15954.8	14784.8	11132.1	8117.9	6513.7	5083.2	4163.7	3959.3	3898.0	4025.7	4041.1
25°	17594.7	16164.2	11791.1	7985.0	5962.0	4332.3	3765.2	3688.5	3683.4	3846.9	3852.0
27.5°	19275.5	17369.9	12184.5	7596.8	5400.0	3944.0	3525.1	3509.7	3591.5	3765.2	3749.9
30°	20419.8	18381.4	12894.6	7131.9	4735.8	3601.7	3428.0	3448.4	3560.8	3693.7	3714.1
32.5°	21753.2	19377.6	13078.5	6876.4	4327.1	3315.6	3193.0	3239.0	3382.0	3591.5	3703.9
35°	23280.8	20082.7	13359.5	6529.0	4173.9	3095.9	3034.6	3085.7	3259.4	3397.3	3520.0
37.5°	24409.8	21329.2	13410.6	6258.3	4005.3	2973.3	2876.2	3044.8	3147.0	3341.1	3402.5
40°	25247.6	22233.5	13543.4	6089.7	3872.5	2814.9	2814.9	2927.3	3065.3	3244.1	3366.7
42.5°	25784.1	22892.5	13640.5	5936.4	3617.0	2769.0	2743.4	2855.8	3039.7	3213.4	3269.6
44°	26111.0	23173.5	13543.4	5793.4	3545.5	2712.8	2712.8	2809.8	2952.9	3157.2	3223.6
45°	26192.8	23526.0	13328.8	5788.3	3458.7	2646.4	2636.1	2820.1	2917.1	3167.5	3208.3
47.5°	26509.5	23960.2	13354.4	5624.8	3249.2	2488.0	2666.8	2748.5	2835.4	3055.1	3193.0
50°	26499.3	24231.0	13298.2	5384.7	3095.9	2309.2	2605.5	2697.4	2784.3	3009.1	3065.3
52.5°	26570.8	25242.5	13814.2	5001.5	2820.1	2079.3	2401.1	2605.5	2712.8	2901.8	3019.3
55°	26535.1	25819.8	14325.0	4715.4	2431.8	1941.3	2227.4	2467.5	2620.8	2820.1	2876.2
57.5°	24236.1	22821.0	13257.3	4179.0	2012.9	1777.9	1982.2	2324.5	2518.6	2723.0	2794.5
60°	19801.7	17589.6	10932.8	3075.5	1655.2	1634.8	1844.3	2278.5	2360.3	2539.1	2661.7
62.5°	18299.7	15428.5	8669.6	2350.0	1415.1	1496.9	1701.2	2058.8	2186.6	2406.2	2518.6
65°	14319.9	10248.2	5369.3	1588.8	1246.5	1343.6	1537.7	1803.4	2012.9	2217.2	2350.0
67.5°	8480.6	5599.2	2656.6	1113.7	1088.2	1190.3	1389.6	1588.8	1828.9	2053.7	2120.1
70°	4618.3	2753.6	1134.2	848.1	924.7	1016.6	1210.8	1348.7	1578.6	1752.3	1864.7
72.5°	1481.5	837.8	567.1	628.4	705.0	812.3	929.8	1098.4	1261.9	1364.0	1456.0
75°	357.6	352.5	403.6	439.4	510.9	592.6	689.7	776.5	904.3	1001.3	1083.1
77.5°	250.3	270.8	311.6	362.7	388.3	418.9	480.2	546.6	602.8	674.4	725.4
80°	194.1	209.5	240.1	265.7	291.2	316.7	347.4	372.9	408.7	454.7	480.2
82.5°	183.9	194.1	224.8	240.1	229.9	224.8	245.2	255.4	260.5	275.9	291.2
85°	15.3	0.0	10.2	35.8	86.8	127.7	137.9	137.9	132.8	143.0	143.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	20.4	15.3
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°	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4
2.5°	13814.2	13640.5	13706.9	13788.6	13671.1	13400.4	13471.9	13441.2	13717.1	13696.7	13972.5
5°	11581.6	11310.9	11341.5	11740.0	11612.3	11750.2	11474.3	11438.6	11489.7	11515.2	11561.2
7.5°	8863.8	8828.0	9134.5	9471.7	9630.1	9466.6	9195.8	9134.5	9078.3	8965.9	9221.4
10°	7234.0	7244.3	7223.8	7479.3	7658.1	7622.3	7458.8	7438.4	7331.1	7290.2	7433.3
12.5°	6457.5	6319.6	6253.2	6171.4	6309.4	6401.3	6329.8	6278.7	6283.8	6334.9	6355.3
15°	5706.5	5619.7	5476.6	5384.7	5451.1	5405.1	5379.6	5481.7	5456.2	5446.0	5568.6
17.5°	4863.6	4935.1	4924.9	4822.7	4909.5	4873.8	4868.7	4797.2	4700.1	4628.6	4669.4
20°	4306.7	4439.5	4541.7	4546.8	4592.8	4587.7	4511.1	4291.4	4219.9	4204.5	4214.8
22.5°	4107.5	4179.0	4301.6	4475.3	4475.3	4393.6	4301.6	4046.2	3979.7	3908.2	3877.6
25°	3949.1	4087.0	4245.4	4265.8	4347.6	4270.9	4122.8	3995.1	3857.1	3760.1	3760.1
27.5°	3867.4	4020.6	4138.1	4173.9	4286.3	4225.0	4071.7	3908.2	3744.7	3739.6	3652.8
30°	3831.6	3974.6	4051.3	4138.1	4189.2	4092.1	4046.2	3872.5	3709.0	3668.1	3525.1
32.5°	3724.3	3928.7	4071.7	4051.3	4092.1	4051.3	3984.9	3841.8	3657.9	3565.9	3550.6
35°	3601.7	3806.0	3959.3	4066.6	4092.1	4005.3	3964.4	3770.3	3520.0	3474.0	3315.6
37.5°	3535.3	3657.9	3846.9	4020.6	4056.4	4010.4	3872.5	3673.2	3422.9	3371.8	3233.9
40°	3453.5	3611.9	3760.1	3903.1	4010.4	3898.0	3739.6	3545.5	3433.1	3279.8	3239.0
42.5°	3392.2	3571.0	3693.7	3852.0	3974.6	3826.5	3642.6	3509.7	3351.4	3249.2	3131.7
44°	3371.8	3535.3	3617.0	3811.2	3913.3	3800.9	3647.7	3509.7	3325.8	3233.9	3131.7
45°	3300.3	3525.1	3611.9	3785.6	3872.5	3780.5	3586.4	3448.4	3315.6	3203.2	3095.9
47.5°	3228.8	3382.0	3530.2	3668.1	3729.4	3698.8	3535.3	3366.7	3208.3	3141.9	3039.7
50°	3208.3	3361.6	3499.5	3627.2	3698.8	3637.5	3489.3	3325.8	3141.9	3034.6	2947.8
52.5°	3106.1	3295.2	3448.4	3489.3	3581.3	3545.5	3433.1	3254.3	3080.6	2988.6	2917.1
55°	2958.0	3157.2	3366.7	3417.8	3550.6	3494.4	3325.8	3157.2	3009.1	2871.1	2779.2
57.5°	2901.8	3095.9	3300.3	3366.7	3448.4	3356.5	3315.6	3136.8	2901.8	2830.3	2687.2
60°	2758.7	3004.0	3172.6	3325.8	3330.9	3305.4	3233.9	3029.5	2835.4	2702.6	2600.4
62.5°	2646.4	2876.2	3009.1	3152.1	3239.0	3167.5	3095.9	2906.9	2697.4	2549.3	2431.8
65°	2482.9	2692.3	2804.7	2891.6	2988.6	2978.4	2855.8	2717.9	2498.2	2380.7	2268.3
67.5°	2232.5	2416.5	2569.7	2651.5	2712.8	2697.4	2605.5	2508.4	2283.6	2166.1	2084.4
70°	1931.1	2120.1	2217.2	2263.2	2324.5	2355.2	2283.6	2237.7	2038.4	1885.1	1808.5
72.5°	1553.1	1675.7	1818.7	1859.6	1885.1	1905.6	1905.6	1864.7	1660.4	1599.1	1466.2
75°	1144.4	1241.4	1348.7	1348.7	1394.7	1399.8	1410.0	1384.5	1231.2	1149.5	1118.8
77.5°	776.5	848.1	934.9	970.7	1001.3	996.2	991.1	919.6	837.8	802.1	771.4
80°	505.8	577.3	618.2	664.1	694.8	689.7	699.9	648.8	613.1	551.7	562.0
82.5°	301.4	357.6	398.5	454.7	454.7	470.0	470.0	454.7	418.9	388.3	388.3
85°	143.0	189.0	214.6	250.3	270.8	275.9	245.2	209.5	173.7	158.4	173.7
87.5°	25.5	35.8	51.1	46.0	56.2	51.1	51.1	51.1	51.1	40.9	46.0
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: P533800

CATALOG NUMBER: GALN-SA9B-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4	15607.4
2.5°	13870.4	14125.8	14304.6	14600.9	15111.8	15520.5	15939.4	16251.1	16286.8	16378.8
5°	11729.8	11867.7	12322.4	12915.0	13333.9	14023.6	14468.1	15275.3	15576.7	15898.6
7.5°	9160.1	9384.8	9992.8	10391.3	11310.9	12174.2	13068.3	14064.5	14463.0	14509.0
10°	7724.5	8051.5	8465.3	9103.9	9604.5	10565.0	11678.7	12787.3	13231.8	13308.4
12.5°	6784.5	7203.4	7755.1	8214.9	8695.2	9533.0	10600.7	11969.9	12547.2	12894.6
15°	5880.2	6314.5	6922.4	7561.0	7985.0	8986.4	10243.1	11786.0	12537.0	12843.5
17.5°	4950.4	5354.0	5854.7	6544.4	7397.5	8521.5	10186.9	12399.0	13221.5	13579.2
20°	4153.4	4378.2	4960.6	5670.8	6738.5	8046.3	10207.4	13303.3	14509.0	14667.3
22.5°	3841.8	3892.9	4122.8	4776.7	5946.6	7561.0	10570.1	14585.6	15954.8	16475.8
25°	3601.7	3591.5	3652.8	4092.1	5369.3	7372.0	10927.7	15765.7	17558.9	18126.0
27.5°	3468.9	3366.7	3371.8	3785.6	4960.6	7065.5	11387.5	17119.6	19377.6	19628.0
30°	3402.5	3382.0	3320.7	3489.3	4516.2	6605.7	11464.1	18453.0	20450.5	20813.2
32.5°	3361.6	3162.3	3085.7	3147.0	4097.2	6105.0	11750.2	19331.7	21778.8	21620.4
35°	3157.2	2978.4	2927.3	2988.6	3800.9	5824.0	11561.2	20098.0	22775.0	23040.6
37.5°	3080.6	2922.2	2820.1	2769.0	3525.1	5589.0	11464.1	21278.1	23740.5	24379.1
40°	3009.1	2840.5	2717.9	2666.8	3310.5	5277.4	11433.5	22187.5	24854.3	25237.4
42.5°	2927.3	2820.1	2682.1	2590.2	3049.9	4965.7	11081.0	22468.5	25196.6	25610.4
44°	2901.8	2738.3	2595.3	2564.6	2947.8	4807.4	11009.4	22723.9	25492.9	26121.2
45°	2876.2	2723.0	2559.5	2518.6	2912.0	4720.5	10912.4	22785.2	25983.3	26100.8
47.5°	2804.7	2707.7	2549.3	2436.9	2835.4	4531.5	10621.2	22437.8	25482.6	25503.1
50°	2748.5	2636.1	2472.7	2253.0	2733.2	4373.1	10754.0	22310.1	24277.0	24323.0
52.5°	2687.2	2518.6	2426.7	2048.6	2564.6	4240.3	11035.0	22887.4	24414.9	24404.7
55°	2615.7	2431.8	2207.0	1874.9	2283.6	4071.7	11714.5	24026.6	25692.1	25865.8
57.5°	2503.3	2344.9	2023.1	1721.7	1961.8	3749.9	11494.8	21845.2	23638.4	23669.0
60°	2355.2	2207.0	1834.1	1604.2	1609.3	2958.0	10278.9	17022.5	18652.2	19096.7
62.5°	2212.1	2130.4	1675.7	1435.6	1369.2	2355.2	8690.1	14146.2	16010.9	16378.8
65°	2043.5	1844.3	1537.7	1307.9	1175.0	1650.1	6156.1	10570.1	12491.0	12986.5
67.5°	1828.9	1614.4	1353.8	1149.5	1006.4	1103.5	3177.7	6007.9	7954.4	8245.6
70°	1599.1	1399.8	1139.3	970.7	812.3	761.2	1399.8	2866.0	4347.6	4649.0
72.5°	1313.0	1129.0	909.4	766.3	607.9	526.2	470.0	766.3	1542.9	1793.2
75°	950.2	822.5	684.6	546.6	429.1	337.2	275.9	229.9	255.4	275.9
77.5°	699.9	597.7	505.8	388.3	301.4	240.1	189.0	143.0	137.9	132.8
80°	546.6	485.3	403.6	311.6	235.0	178.8	132.8	97.1	86.8	86.8
82.5°	429.1	398.5	332.1	255.4	194.1	143.0	97.1	66.4	56.2	56.2
85°	163.5	163.5	240.1	209.5	148.2	102.2	66.4	35.8	30.7	30.7
87.5°	40.9	40.9	40.9	40.9	35.8	30.7	30.7	15.3	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)