

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: P527248

Luminaire Tested: **GALN-SA2B-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527248
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-SA2B-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 7761 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

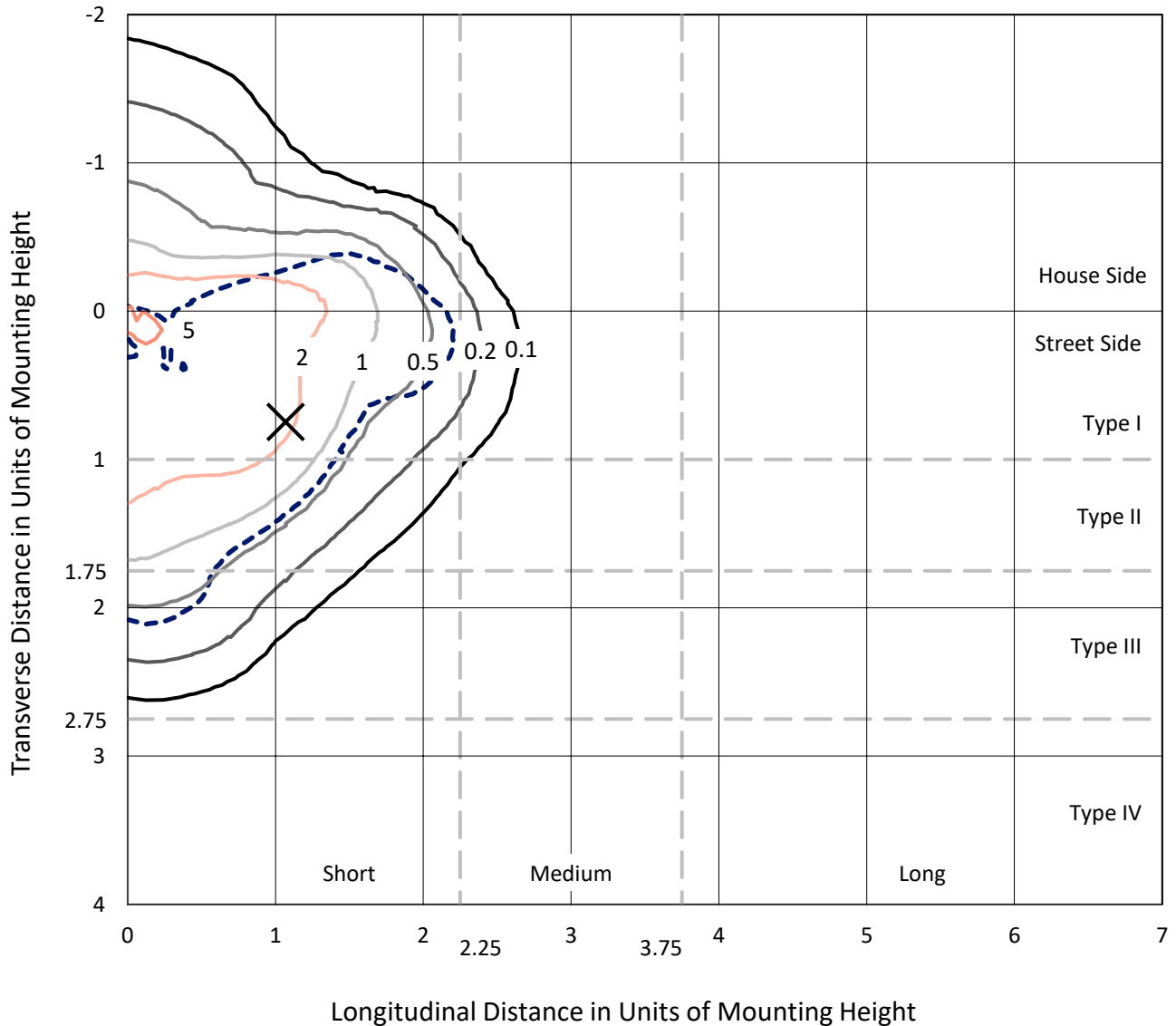
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

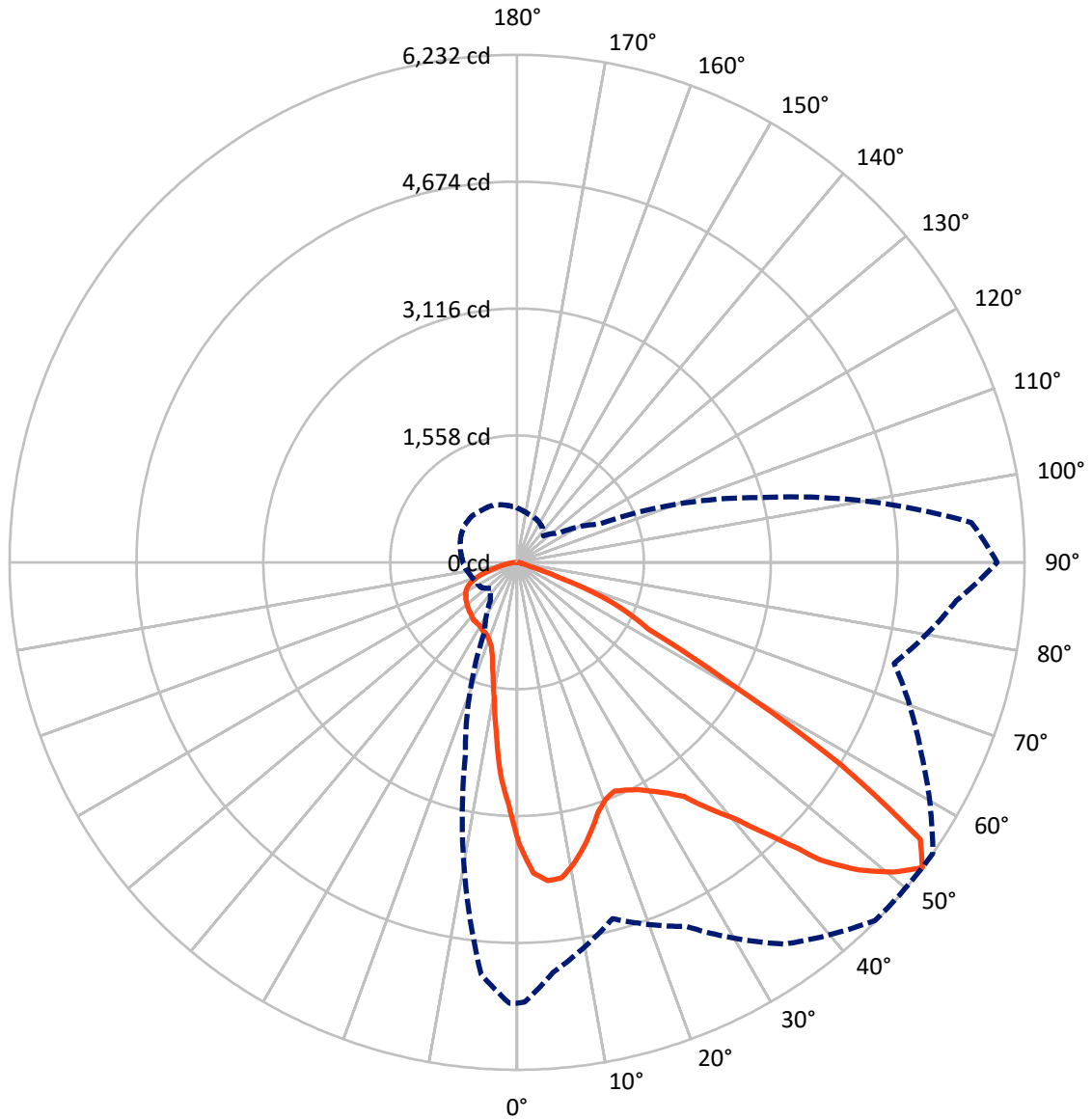
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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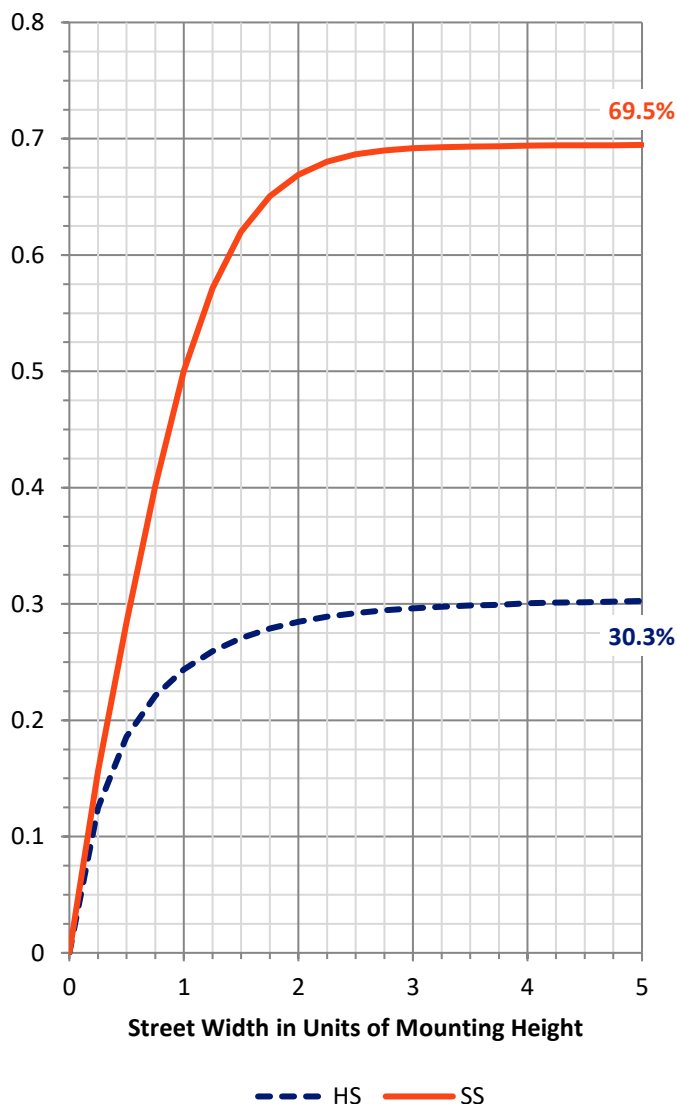
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2367.5	0.0	2367.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	5393.5	0.0	5393.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	7761.0	0.0	7761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.5	3.4
10°-20°	570.3	7.3
20°-30°	864.7	11.1
30°-40°	1249.4	16.1
40°-50°	1669.5	21.5
50°-60°	1863.6	24.0
60°-70°	1022.2	13.2
70°-80°	221.0	2.8
80°-90°	35.8	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°	7761.0	100.0
0°-180°	7761.0	100.0

Coefficient of Utilization

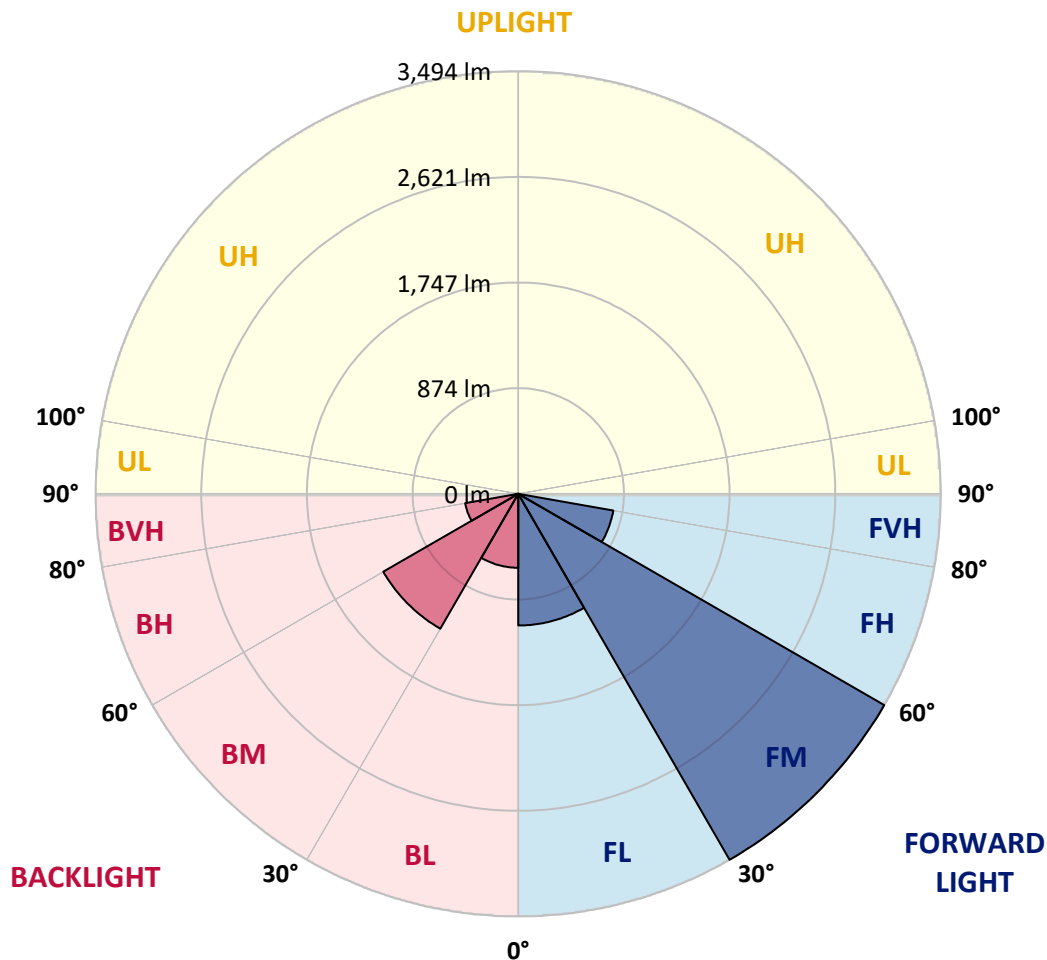


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1088.2	14.0			
FM (30°-60°)	3494.4	45.0			
FH (60°-80°)	797.6	10.3			G1/1800
FVH (80°-90°)	13.2	0.2			G1/100
BL (0°-30°)	611.3	7.9	B2/1000		
BM (30°-60°)	1288.1	16.6	B2/2500		
BH (60°-80°)	445.6	5.7	B1/500		G1/500
BVH (80°-90°)	22.5	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0
2.5°	3633.1	3612.7	3630.9	3717.0	3766.8	3800.8	3822.4	3819.0	3737.4	3658.1	3658.1
5°	3526.6	3500.5	3537.9	3732.8	3928.9	3945.9	3974.2	3927.8	3807.6	3662.6	3481.3
7.5°	3218.4	3237.6	3300.0	3556.1	3811.0	3939.1	3973.1	3914.2	3719.2	3448.4	3182.1
10°	2952.1	2997.4	3141.3	3417.8	3652.4	3819.0	3856.4	3773.6	3619.5	3287.5	3049.5
12.5°	2860.3	2831.9	2991.7	3268.2	3492.6	3582.1	3599.1	3604.8	3500.5	3205.9	2915.8
15°	2848.9	2867.1	2991.7	3201.4	3339.6	3344.2	3372.5	3416.7	3430.3	3261.4	2978.1
17.5°	3012.1	2990.6	3118.6	3285.2	3219.5	3153.8	3160.6	3224.0	3336.2	3309.0	3174.2
20°	3253.5	3302.2	3403.1	3386.1	3209.3	3042.7	3043.8	3103.9	3324.9	3506.2	3447.3
22.5°	3654.7	3702.3	3777.0	3571.9	3209.3	3009.8	2971.3	3052.9	3397.4	3740.8	3755.5
25°	4020.7	4107.9	4128.3	3887.0	3370.2	3040.4	3015.5	3096.0	3469.9	3969.7	4109.1
27.5°	4353.9	4385.6	4475.1	4089.8	3459.7	3060.8	3058.6	3161.7	3561.7	4084.1	4425.2
30°	4616.8	4613.4	4664.4	4217.9	3602.5	3175.3	3065.4	3260.3	3681.9	4273.4	4717.6
32.5°	4795.8	4834.3	4942.0	4395.8	3662.6	3284.1	3198.0	3375.9	3828.0	4362.9	4923.9
35°	5110.9	5177.7	5041.7	4494.4	3853.0	3391.7	3290.9	3533.4	3900.6	4460.4	5176.6
37.5°	5407.8	5356.8	5218.5	4547.6	3976.5	3591.2	3497.1	3838.2	4126.1	4672.3	5344.3
40°	5598.1	5597.0	5351.1	4590.7	4063.7	3896.0	3890.4	4147.6	4402.6	4806.0	5532.4
42.5°	5680.9	5760.2	5405.5	4586.2	4247.3	4265.5	4379.9	4610.0	4598.6	4833.2	5527.9
44°	5794.2	5841.8	5499.5	4596.4	4369.7	4514.8	4784.5	4930.7	4769.7	4818.5	5522.2
45°	5789.7	5793.1	5365.8	4610.0	4474.0	4723.3	4964.7	5211.7	4920.5	4786.7	5597.0
47.5°	5657.1	5618.5	5252.5	4509.1	4799.2	5274.0	5497.3	5646.9	5106.3	4718.8	5504.1
50°	5395.3	5351.1	4977.1	4466.0	4867.2	5616.3	5924.5	5978.9	5275.2	4651.9	5412.3
52.5°	5413.4	5401.0	5055.3	4530.6	4935.2	5723.9	6218.0	6231.6	5466.7	4792.4	5413.4
55°	5737.5	5694.5	5279.7	4611.1	4885.3	5598.1	6031.0	6007.2	5402.1	4707.4	5513.1
57.5°	5250.2	5278.6	4969.2	4292.7	4275.7	4551.0	4741.4	4682.5	4508.0	4248.5	5129.0
60°	4236.0	4316.5	4345.9	3590.1	3226.3	3084.6	3028.0	2923.7	2953.2	3490.3	4505.7
62.5°	3633.1	3628.6	3813.3	3254.6	2113.5	1817.7	1790.5	1814.3	2154.3	3435.9	4412.8
65°	2880.7	2957.7	3014.4	2758.3	1672.6	1349.7	1348.5	1499.3	1864.2	2871.6	3562.9
67.5°	1829.0	1929.9	2000.1	1764.4	1118.5	961.0	934.9	1116.2	1291.9	1883.4	2145.2
70°	1031.2	1078.8	1110.6	1017.6	711.7	498.6	469.2	512.2	780.8	1219.4	1271.5
72.5°	397.8	419.3	462.4	465.8	268.6	160.9	130.3	156.4	328.6	482.8	460.1
75°	61.2	65.7	92.9	111.1	77.1	58.9	62.3	64.6	91.8	124.7	104.3
77.5°	29.5	29.5	28.3	32.9	38.5	41.9	45.3	49.9	54.4	60.1	57.8
80°	19.3	19.3	19.3	22.7	28.3	34.0	38.5	40.8	43.1	47.6	45.3
82.5°	12.5	12.5	12.5	17.0	22.7	28.3	30.6	36.3	40.8	47.6	44.2
85°	6.8	6.8	6.8	11.3	17.0	23.8	22.7	18.1	10.2	1.1	2.3
87.5°	2.3	2.3	2.3	2.3	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°	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0
2.5°	3562.9	3510.7	3506.2	3399.7	3304.5	3258.0	3220.6	3116.4	3139.0	3079.0	3077.8
5°	3390.6	3284.1	3111.8	2970.2	2828.5	2800.2	2676.7	2569.0	2572.4	2495.4	2509.0
7.5°	3081.2	3007.6	2797.9	2575.8	2387.7	2254.0	2137.3	2067.0	1977.5	1946.9	1931.0
10°	2885.2	2794.5	2558.8	2280.1	2069.3	1997.9	1885.7	1823.4	1731.6	1686.2	1654.5
12.5°	2799.1	2666.5	2371.8	2088.5	1948.0	1874.4	1779.2	1665.8	1557.1	1515.1	1457.3
15°	2808.1	2649.5	2317.4	2011.5	1842.6	1699.8	1614.8	1489.1	1378.0	1304.3	1262.4
17.5°	2945.3	2752.6	2342.4	1952.5	1710.0	1531.0	1364.4	1228.4	1140.0	1084.5	1070.9
20°	3269.4	3007.6	2384.3	1857.4	1577.5	1354.2	1149.1	1007.4	939.4	938.3	939.4
22.5°	3539.1	3279.6	2469.3	1800.7	1444.9	1127.6	923.6	878.3	864.7	893.0	896.4
25°	3902.8	3585.5	2615.5	1771.2	1322.5	961.0	835.2	818.2	817.1	853.3	854.5
27.5°	4275.7	3853.0	2702.7	1685.1	1197.8	874.9	781.9	778.5	796.7	835.2	831.8
30°	4529.5	4077.3	2860.3	1582.0	1050.5	798.9	760.4	764.9	789.9	819.3	823.9
32.5°	4825.3	4298.3	2901.1	1525.3	959.8	735.5	708.3	718.5	750.2	796.7	821.6
35°	5164.1	4454.7	2963.4	1448.3	925.8	686.7	673.1	684.5	723.0	753.6	780.8
37.5°	5414.6	4731.2	2974.7	1388.2	888.4	659.5	638.0	675.4	698.1	741.1	754.7
40°	5600.4	4931.8	3004.2	1350.8	859.0	624.4	624.4	649.3	679.9	719.6	746.8
42.5°	5719.4	5078.0	3025.7	1316.8	802.3	614.2	608.5	633.5	674.3	712.8	725.3
44°	5791.9	5140.3	3004.2	1285.1	786.5	601.7	601.7	623.3	655.0	700.3	715.1
45°	5810.1	5218.5	2956.6	1283.9	767.2	587.0	584.7	625.5	647.1	702.6	711.7
47.5°	5880.3	5314.8	2962.3	1247.7	720.7	551.9	591.5	609.7	628.9	677.7	708.3
50°	5878.0	5374.9	2949.8	1194.4	686.7	512.2	577.9	598.3	617.6	667.5	679.9
52.5°	5893.9	5599.3	3064.2	1109.4	625.5	461.2	532.6	577.9	601.7	643.7	669.7
55°	5886.0	5727.3	3177.6	1046.0	539.4	430.6	494.1	547.3	581.3	625.5	638.0
57.5°	5376.0	5062.1	2940.7	927.0	446.5	394.4	439.7	515.6	558.7	604.0	619.9
60°	4392.4	3901.7	2425.1	682.2	367.2	362.6	409.1	505.4	523.6	563.2	590.4
62.5°	4059.2	3422.3	1923.1	521.3	313.9	332.0	377.4	456.7	485.0	533.7	558.7
65°	3176.4	2273.3	1191.0	352.4	276.5	298.0	341.1	400.0	446.5	491.8	521.3
67.5°	1881.2	1242.0	589.3	247.0	241.4	264.0	308.2	352.4	405.7	455.6	470.3
70°	1024.4	610.8	251.6	188.1	205.1	225.5	268.6	299.2	350.2	388.7	413.6
72.5°	328.6	185.8	125.8	139.4	156.4	180.2	206.2	243.6	279.9	302.6	323.0
75°	79.3	78.2	89.5	97.5	113.3	131.5	153.0	172.3	200.6	222.1	240.2
77.5°	55.5	60.1	69.1	80.5	86.1	92.9	106.5	121.3	133.7	149.6	160.9
80°	43.1	46.5	53.3	58.9	64.6	70.3	77.1	82.7	90.7	100.9	106.5
82.5°	40.8	43.1	49.9	53.3	51.0	49.9	54.4	56.7	57.8	61.2	64.6
85°	3.4	0.0	2.3	7.9	19.3	28.3	30.6	30.6	29.5	31.7	31.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.5	3.4
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°	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0
2.5°	3064.2	3025.7	3040.4	3058.6	3032.5	2972.5	2988.3	2981.5	3042.7	3038.2	3099.4
5°	2569.0	2509.0	2515.8	2604.2	2575.8	2606.4	2545.2	2537.3	2548.6	2554.3	2564.5
7.5°	1966.1	1958.2	2026.2	2101.0	2136.1	2099.9	2039.8	2026.2	2013.7	1988.8	2045.5
10°	1604.6	1606.9	1602.4	1659.0	1698.7	1690.8	1654.5	1650.0	1626.2	1617.1	1648.8
12.5°	1432.4	1401.8	1387.1	1368.9	1399.5	1419.9	1404.1	1392.7	1393.9	1405.2	1409.7
15°	1265.8	1246.5	1214.8	1194.4	1209.2	1199.0	1193.3	1216.0	1210.3	1208.0	1235.2
17.5°	1078.8	1094.7	1092.4	1069.8	1089.0	1081.1	1080.0	1064.1	1042.6	1026.7	1035.8
20°	955.3	984.8	1007.4	1008.6	1018.8	1017.6	1000.6	951.9	936.0	932.6	934.9
22.5°	911.1	927.0	954.2	992.7	992.7	974.6	954.2	897.5	882.8	866.9	860.1
25°	876.0	906.6	941.7	946.2	964.4	947.4	914.5	886.2	855.6	834.1	834.1
27.5°	857.9	891.8	917.9	925.8	950.8	937.2	903.2	866.9	830.7	829.5	810.3
30°	849.9	881.7	898.6	917.9	929.2	907.7	897.5	859.0	822.7	813.7	781.9
32.5°	826.1	871.5	903.2	898.6	907.7	898.6	883.9	852.2	811.4	791.0	787.6
35°	798.9	844.3	878.3	902.0	907.7	888.4	879.4	836.3	780.8	770.6	735.5
37.5°	784.2	811.4	853.3	891.8	899.8	889.6	859.0	814.8	759.3	747.9	717.3
40°	766.1	801.2	834.1	865.8	889.6	864.7	829.5	786.5	761.5	727.5	718.5
42.5°	752.5	792.1	819.3	854.5	881.7	848.8	808.0	778.5	743.4	720.7	694.7
44°	747.9	784.2	802.3	845.4	868.1	843.1	809.1	778.5	737.7	717.3	694.7
45°	732.1	781.9	801.2	839.7	859.0	838.6	795.5	764.9	735.5	710.5	686.7
47.5°	716.2	750.2	783.1	813.7	827.3	820.5	784.2	746.8	711.7	696.9	674.3
50°	711.7	745.7	776.3	804.6	820.5	806.9	774.0	737.7	696.9	673.1	653.9
52.5°	689.0	730.9	764.9	774.0	794.4	786.5	761.5	721.9	683.3	662.9	647.1
55°	656.1	700.3	746.8	758.1	787.6	775.1	737.7	700.3	667.5	636.9	616.5
57.5°	643.7	686.7	732.1	746.8	764.9	744.5	735.5	695.8	643.7	627.8	596.1
60°	611.9	666.3	703.7	737.7	738.9	733.2	717.3	672.0	628.9	599.5	576.8
62.5°	587.0	638.0	667.5	699.2	718.5	702.6	686.7	644.8	598.3	565.5	539.4
65°	550.7	597.2	622.1	641.4	662.9	660.7	633.5	602.9	554.1	528.1	503.2
67.5°	495.2	536.0	570.0	588.1	601.7	598.3	577.9	556.4	506.6	480.5	462.4
70°	428.4	470.3	491.8	502.0	515.6	522.4	506.6	496.4	452.2	418.2	401.2
72.5°	344.5	371.7	403.4	412.5	418.2	422.7	422.7	413.6	368.3	354.7	325.2
75°	253.8	275.4	299.2	299.2	309.4	310.5	312.8	307.1	273.1	255.0	248.2
77.5°	172.3	188.1	207.4	215.3	222.1	221.0	219.8	204.0	185.8	177.9	171.1
80°	112.2	128.1	137.1	147.3	154.1	153.0	155.3	143.9	136.0	122.4	124.7
82.5°	66.9	79.3	88.4	100.9	100.9	104.3	104.3	100.9	92.9	86.1	86.1
85°	31.7	41.9	47.6	55.5	60.1	61.2	54.4	46.5	38.5	35.1	38.5
87.5°	5.7	7.9	11.3	10.2	12.5	11.3	11.3	11.3	11.3	9.1	10.2
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: P527248

CATALOG NUMBER: GALN-SA2B-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0	3462.0
2.5°	3076.7	3133.4	3173.0	3238.8	3352.1	3442.7	3535.7	3604.8	3612.7	3633.1
5°	2601.9	2632.5	2733.3	2864.8	2957.7	3110.7	3209.3	3388.3	3455.2	3526.6
7.5°	2031.9	2081.7	2216.6	2305.0	2509.0	2700.5	2898.8	3119.8	3208.2	3218.4
10°	1713.4	1786.0	1877.8	2019.4	2130.5	2343.5	2590.6	2836.5	2935.1	2952.1
12.5°	1504.9	1597.8	1720.2	1822.2	1928.8	2114.6	2351.4	2655.1	2783.2	2860.3
15°	1304.3	1400.7	1535.5	1677.2	1771.2	1993.3	2272.1	2614.4	2780.9	2848.9
17.5°	1098.1	1187.6	1298.7	1451.7	1640.9	1890.2	2259.7	2750.3	2932.8	3012.1
20°	921.3	971.2	1100.4	1257.9	1494.7	1784.8	2264.2	2950.9	3218.4	3253.5
22.5°	852.2	863.5	914.5	1059.6	1319.1	1677.2	2344.6	3235.4	3539.1	3654.7
25°	798.9	796.7	810.3	907.7	1191.0	1635.2	2424.0	3497.1	3894.9	4020.7
27.5°	769.5	746.8	747.9	839.7	1100.4	1567.3	2526.0	3797.4	4298.3	4353.9
30°	754.7	750.2	736.6	774.0	1001.8	1465.3	2543.0	4093.2	4536.3	4616.8
32.5°	745.7	701.5	684.5	698.1	908.8	1354.2	2606.4	4288.1	4830.9	4795.8
35°	700.3	660.7	649.3	662.9	843.1	1291.9	2564.5	4458.1	5051.9	5110.9
37.5°	683.3	648.2	625.5	614.2	781.9	1239.7	2543.0	4719.9	5266.1	5407.8
40°	667.5	630.1	602.9	591.5	734.3	1170.6	2536.2	4921.6	5513.1	5598.1
42.5°	649.3	625.5	594.9	574.5	676.5	1101.5	2458.0	4983.9	5589.1	5680.9
44°	643.7	607.4	575.7	568.9	653.9	1066.4	2442.1	5040.6	5654.8	5794.2
45°	638.0	604.0	567.7	558.7	645.9	1047.1	2420.6	5054.2	5763.6	5789.7
47.5°	622.1	600.6	565.5	540.5	628.9	1005.2	2356.0	4977.1	5652.5	5657.1
50°	609.7	584.7	548.5	499.8	606.3	970.0	2385.4	4948.8	5385.1	5395.3
52.5°	596.1	558.7	538.3	454.4	568.9	940.6	2447.8	5076.9	5415.7	5413.4
55°	580.2	539.4	489.6	415.9	506.6	903.2	2598.5	5329.6	5699.0	5737.5
57.5°	555.3	520.2	448.8	381.9	435.2	831.8	2549.8	4845.7	5243.4	5250.2
60°	522.4	489.6	406.8	355.8	357.0	656.1	2280.1	3775.9	4137.4	4236.0
62.5°	490.7	472.6	371.7	318.4	303.7	522.4	1927.6	3137.9	3551.5	3633.1
65°	453.3	409.1	341.1	290.1	260.6	366.0	1365.5	2344.6	2770.7	2880.7
67.5°	405.7	358.1	300.3	255.0	223.2	244.8	704.9	1332.7	1764.4	1829.0
70°	354.7	310.5	252.7	215.3	180.2	168.9	310.5	635.7	964.4	1031.2
72.5°	291.2	250.4	201.7	170.0	134.9	116.7	104.3	170.0	342.2	397.8
75°	210.8	182.4	151.9	121.3	95.2	74.8	61.2	51.0	56.7	61.2
77.5°	155.3	132.6	112.2	86.1	66.9	53.3	41.9	31.7	30.6	29.5
80°	121.3	107.7	89.5	69.1	52.1	39.7	29.5	21.5	19.3	19.3
82.5°	95.2	88.4	73.7	56.7	43.1	31.7	21.5	14.7	12.5	12.5
85°	36.3	36.3	53.3	46.5	32.9	22.7	14.7	7.9	6.8	6.8
87.5°	9.1	9.1	9.1	9.1	7.9	6.8	6.8	3.4	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)