

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: P527300

Luminaire Tested: **GALN-SA2B-740-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527300
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-740-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 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: 8522 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

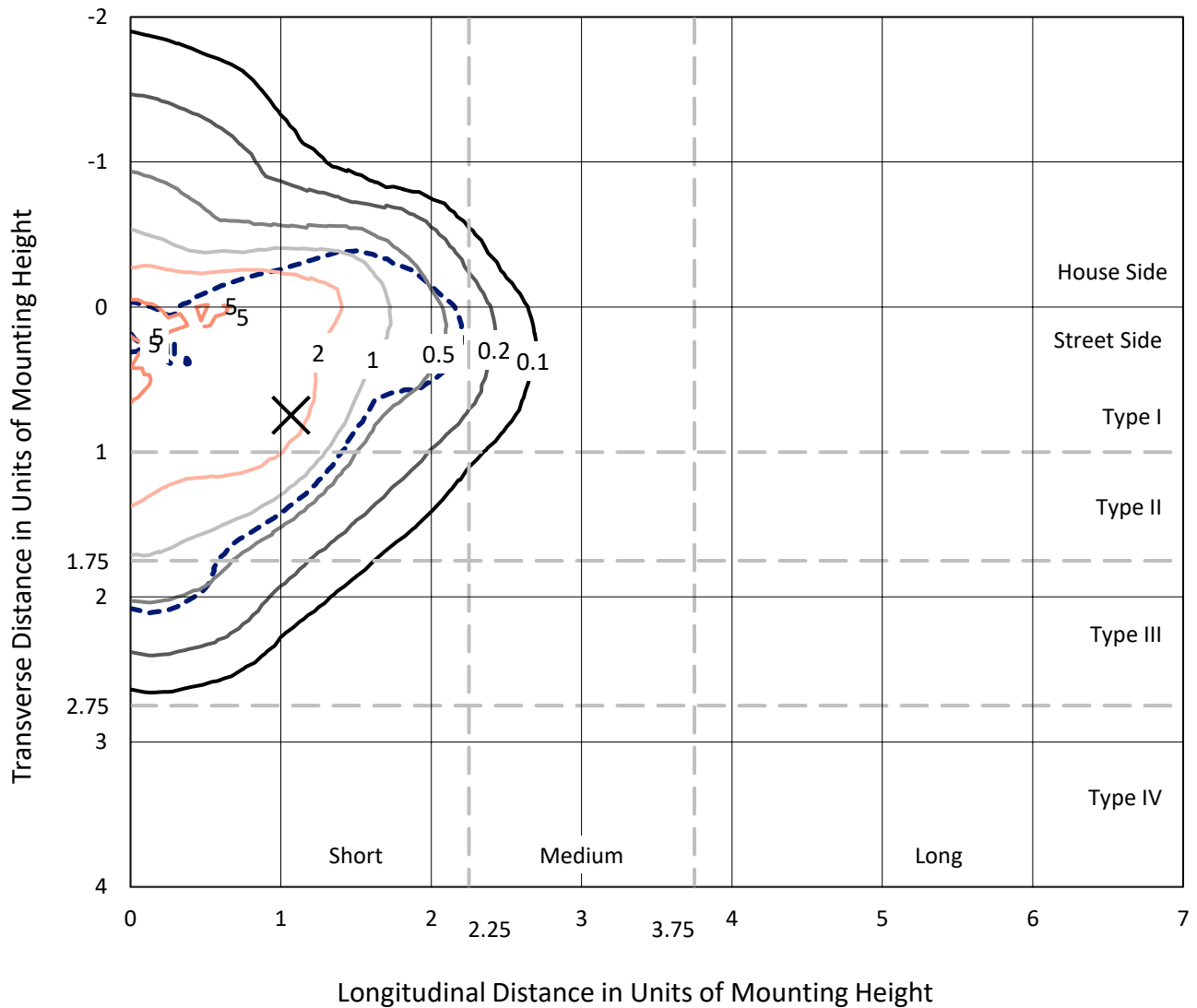
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

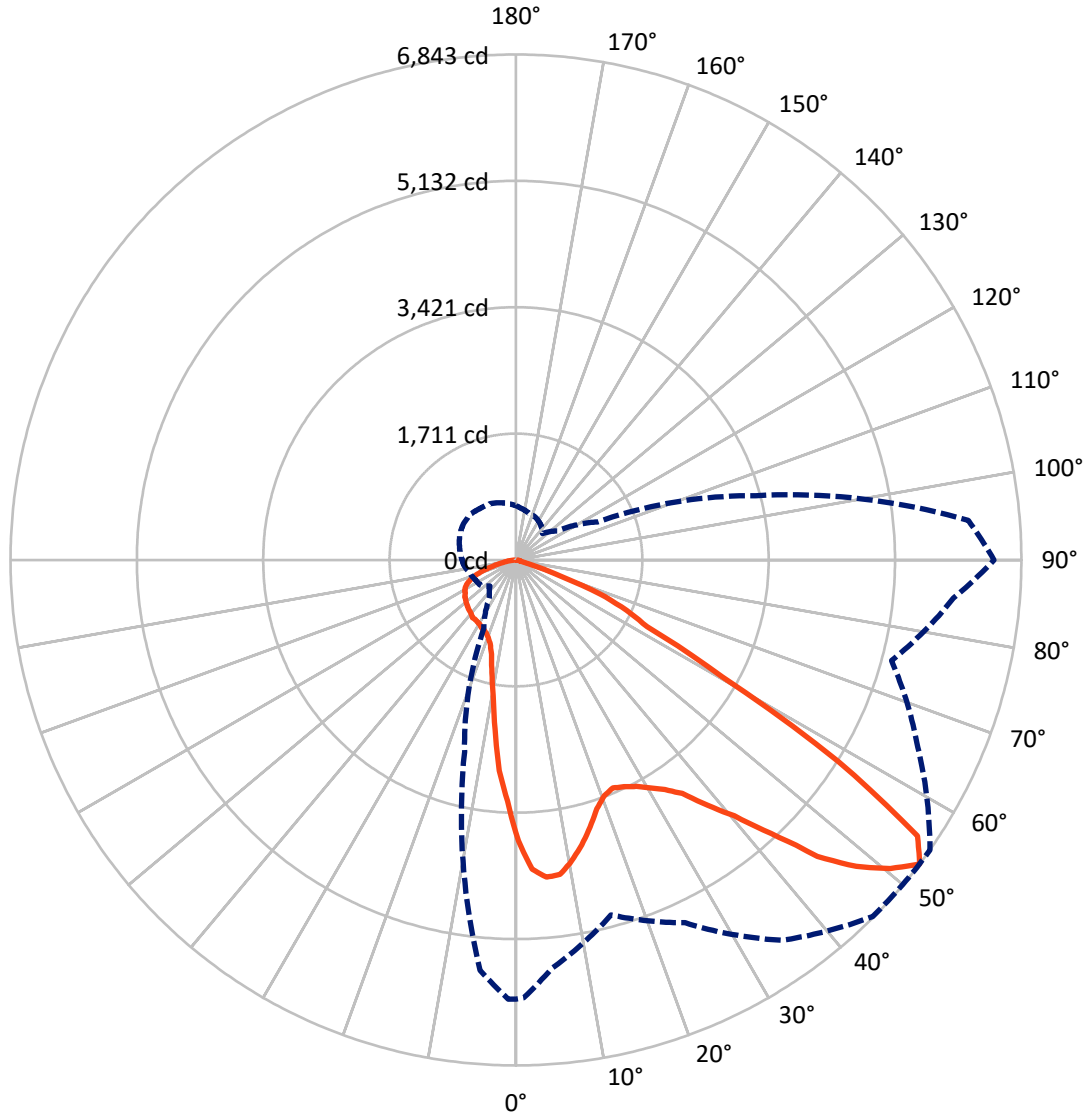
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	2599.7	0.0	2599.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	5922.3	0.0	5922.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	8522.0	0.0	8522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.4	3.4
10°-20°	626.2	7.3
20°-30°	949.5	11.1
30°-40°	1371.9	16.1
40°-50°	1833.2	21.5
50°-60°	2046.3	24.0
60°-70°	1122.5	13.2
70°-80°	242.7	2.8
80°-90°	39.3	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°	8522.0	100.0
0°-180°	8522.0	100.0

Coefficient of Utilization

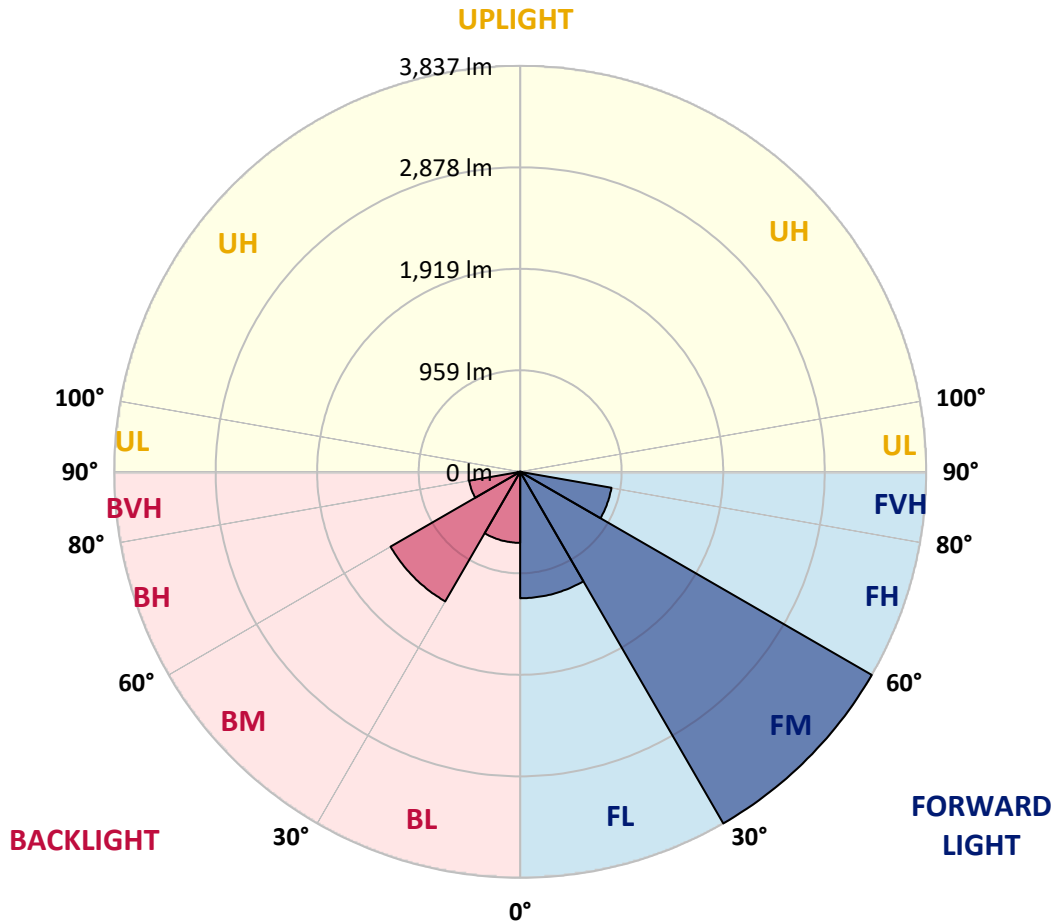


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1194.9	14.0			
FM (30°-60°)	3837.0	45.0			
FH (60°-80°)	875.9	10.3			G1/1800
FVH (80°-90°)	14.5	0.2			G1/100
BL (0°-30°)	671.2	7.9	B2/1000		
BM (30°-60°)	1414.4	16.6	B2/2500		
BH (60°-80°)	489.3	5.7	B1/500		G1/500
BVH (80°-90°)	24.7	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°	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5
2.5°	3989.4	3967.0	3986.9	4081.4	4136.2	4173.5	4197.2	4193.4	4103.8	4016.7	4016.7
5°	3872.4	3843.8	3884.8	4098.9	4314.1	4332.8	4363.9	4312.9	4181.0	4021.7	3822.6
7.5°	3533.9	3555.1	3623.5	3904.8	4184.7	4325.3	4362.7	4298.0	4083.9	3786.5	3494.1
10°	3241.5	3291.3	3449.3	3752.9	4010.5	4193.4	4234.5	4143.7	3974.4	3609.8	3348.5
12.5°	3140.7	3109.6	3285.1	3588.7	3835.1	3933.4	3952.0	3958.3	3843.8	3520.2	3201.7
15°	3128.3	3148.2	3285.1	3515.3	3667.1	3672.1	3703.2	3751.7	3766.6	3581.2	3270.1
17.5°	3307.5	3283.8	3424.4	3607.4	3535.2	3463.0	3470.5	3540.2	3663.3	3633.5	3485.4
20°	3572.5	3626.0	3736.8	3718.1	3524.0	3341.1	3342.3	3408.3	3650.9	3850.0	3785.3
22.5°	4013.0	4065.3	4147.4	3922.2	3524.0	3305.0	3262.7	3352.3	3730.5	4107.6	4123.8
25°	4414.9	4510.7	4533.1	4268.1	3700.7	3338.6	3311.2	3399.5	3810.2	4358.9	4512.0
27.5°	4780.8	4815.6	4913.9	4490.8	3799.0	3361.0	3358.5	3471.7	3911.0	4484.6	4859.2
30°	5069.5	5065.7	5121.7	4631.4	3955.8	3486.7	3366.0	3580.0	4042.9	4692.4	5180.2
32.5°	5266.1	5308.4	5426.6	4826.8	4021.7	3606.1	3511.5	3706.9	4203.4	4790.7	5406.7
35°	5612.0	5685.4	5536.1	4935.1	4230.8	3724.3	3613.6	3879.9	4283.0	4897.7	5684.2
37.5°	5938.0	5882.0	5730.2	4993.6	4366.4	3943.3	3840.0	4214.6	4530.7	5130.4	5868.3
40°	6147.1	6145.8	5875.8	5040.8	4462.2	4278.1	4271.8	4554.3	4834.3	5277.3	6074.9
42.5°	6237.9	6325.0	5935.5	5035.9	4663.8	4683.7	4809.4	5062.0	5049.5	5307.1	6069.9
44°	6362.3	6414.6	6038.8	5047.1	4798.2	4957.5	5253.6	5414.1	5237.4	5291.0	6063.7
45°	6357.4	6361.1	5892.0	5062.0	4912.7	5186.4	5451.5	5722.7	5402.9	5256.1	6145.8
47.5°	6211.8	6169.5	5767.5	4951.2	5269.8	5791.2	6036.3	6200.6	5607.0	5181.4	6043.8
50°	5924.3	5875.8	5465.2	4904.0	5344.5	6167.0	6505.4	6565.2	5792.4	5108.0	5943.0
52.5°	5944.2	5930.5	5551.0	4974.9	5419.1	6285.2	6827.7	6842.6	6002.7	5262.3	5944.2
55°	6300.1	6252.8	5797.4	5063.2	5364.4	6147.1	6622.4	6596.3	5931.8	5169.0	6053.7
57.5°	5765.0	5796.2	5456.4	4713.6	4694.9	4997.3	5206.3	5141.6	4950.0	4665.0	5631.9
60°	4651.4	4739.7	4772.1	3942.1	3542.6	3387.1	3324.9	3210.4	3242.8	3832.6	4947.5
62.5°	3989.4	3984.4	4187.2	3573.8	2320.7	1995.9	1966.1	1992.2	2365.5	3772.9	4845.5
65°	3163.1	3247.7	3310.0	3028.7	1836.7	1482.0	1480.8	1646.3	2046.9	3153.2	3912.2
67.5°	2008.4	2119.1	2196.3	1937.4	1228.2	1055.2	1026.6	1225.7	1418.6	2068.1	2355.5
70°	1132.4	1184.6	1219.5	1117.4	781.4	547.5	515.2	562.4	857.4	1338.9	1396.2
72.5°	436.8	460.4	507.7	511.4	294.9	176.7	143.1	171.7	360.9	530.1	505.2
75°	67.2	72.2	102.0	121.9	84.6	64.7	68.4	70.9	100.8	136.9	114.5
77.5°	32.4	32.4	31.1	36.1	42.3	46.0	49.8	54.8	59.7	66.0	63.5
80°	21.2	21.2	21.2	24.9	31.1	37.3	42.3	44.8	47.3	52.3	49.8
82.5°	13.7	13.7	13.7	18.7	24.9	31.1	33.6	39.8	44.8	52.3	48.5
85°	7.5	7.5	7.5	12.4	18.7	26.1	24.9	19.9	11.2	1.2	2.5
87.5°	2.5	2.5	2.5	2.5	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°	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5
2.5°	3912.2	3855.0	3850.0	3733.0	3628.5	3577.5	3536.4	3421.9	3446.8	3380.9	3379.6
5°	3723.1	3606.1	3417.0	3261.4	3105.9	3074.8	2939.1	2820.9	2824.7	2740.0	2755.0
7.5°	3383.4	3302.5	3072.3	2828.4	2621.8	2475.0	2346.8	2269.7	2171.4	2137.8	2120.4
10°	3168.1	3068.6	2809.7	2503.6	2272.2	2193.8	2070.6	2002.1	1901.4	1851.6	1816.7
12.5°	3073.5	2927.9	2604.4	2293.3	2139.0	2058.1	1953.6	1829.2	1709.7	1663.7	1600.2
15°	3083.5	2909.3	2544.7	2208.7	2023.3	1866.5	1773.2	1635.1	1513.1	1432.2	1386.2
17.5°	3234.1	3022.5	2572.1	2144.0	1877.7	1681.1	1498.2	1348.9	1251.8	1190.8	1175.9
20°	3589.9	3302.5	2618.1	2039.5	1732.1	1487.0	1261.8	1106.2	1031.6	1030.3	1031.6
22.5°	3886.1	3601.1	2711.4	1977.3	1586.5	1238.1	1014.1	964.4	949.4	980.5	984.3
25°	4285.5	3937.1	2871.9	1944.9	1452.1	1055.2	917.1	898.4	897.2	937.0	938.2
27.5°	4694.9	4230.8	2967.8	1850.3	1315.3	960.6	858.6	854.9	874.8	917.1	913.3
30°	4973.6	4477.2	3140.7	1737.1	1153.5	877.3	835.0	839.9	867.3	899.7	904.6
32.5°	5298.4	4719.8	3185.5	1674.9	1054.0	807.6	777.7	788.9	823.8	874.8	902.1
35°	5670.5	4891.5	3254.0	1590.3	1016.6	754.1	739.1	751.6	793.9	827.5	857.4
37.5°	5945.5	5195.1	3266.4	1524.3	975.6	724.2	700.6	741.6	766.5	813.8	828.7
40°	6149.5	5415.4	3298.8	1483.3	943.2	685.6	685.6	713.0	746.6	790.2	820.0
42.5°	6280.2	5575.9	3322.4	1445.9	881.0	674.4	668.2	695.6	740.4	782.7	796.4
44°	6359.8	5644.3	3298.8	1411.1	863.6	660.7	660.7	684.4	719.2	769.0	785.2
45°	6379.8	5730.2	3246.5	1409.8	842.4	644.6	642.1	686.9	710.5	771.5	781.4
47.5°	6456.9	5836.0	3252.7	1370.0	791.4	606.0	649.5	669.5	690.6	744.1	777.7
50°	6454.4	5901.9	3239.0	1311.5	754.1	562.4	634.6	657.0	678.2	732.9	746.6
52.5°	6471.8	6148.3	3364.7	1218.2	686.9	506.4	584.8	634.6	660.7	706.8	735.4
55°	6463.1	6288.9	3489.1	1148.5	592.3	472.9	542.5	601.0	638.3	686.9	700.6
57.5°	5903.2	5558.5	3229.1	1017.9	490.3	433.0	482.8	566.2	613.5	663.2	680.7
60°	4823.1	4284.3	2662.9	749.1	403.2	398.2	449.2	555.0	574.9	618.4	648.3
62.5°	4457.2	3757.9	2111.7	572.4	344.7	364.6	414.4	501.5	532.6	586.1	613.5
65°	3487.9	2496.2	1307.8	387.0	303.6	327.3	374.5	439.3	490.3	540.0	572.4
67.5°	2065.6	1363.8	647.1	271.3	265.0	289.9	338.5	387.0	445.5	500.2	516.4
70°	1124.9	670.7	276.2	206.6	225.2	247.6	294.9	328.5	384.5	426.8	454.2
72.5°	360.9	204.1	138.1	153.1	171.7	197.9	226.5	267.5	307.4	332.2	354.6
75°	87.1	85.9	98.3	107.0	124.4	144.3	168.0	189.1	220.2	243.9	263.8
77.5°	61.0	66.0	75.9	88.3	94.6	102.0	117.0	133.1	146.8	164.3	176.7
80°	47.3	51.0	58.5	64.7	70.9	77.1	84.6	90.8	99.5	110.7	117.0
82.5°	44.8	47.3	54.8	58.5	56.0	54.8	59.7	62.2	63.5	67.2	70.9
85°	3.7	0.0	2.5	8.7	21.2	31.1	33.6	33.6	32.4	34.8	34.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.0	3.7
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°	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5
2.5°	3364.7	3322.4	3338.6	3358.5	3329.9	3263.9	3281.3	3273.9	3341.1	3336.1	3403.3
5°	2820.9	2755.0	2762.4	2859.5	2828.4	2862.0	2794.8	2786.1	2798.5	2804.8	2816.0
7.5°	2158.9	2150.2	2224.9	2307.0	2345.6	2305.8	2239.8	2224.9	2211.2	2183.8	2246.0
10°	1762.0	1764.5	1759.5	1821.7	1865.3	1856.6	1816.7	1811.8	1785.6	1775.7	1810.5
12.5°	1572.9	1539.3	1523.1	1503.2	1536.8	1559.2	1541.7	1529.3	1530.5	1543.0	1548.0
15°	1389.9	1368.8	1333.9	1311.5	1327.7	1316.5	1310.3	1335.2	1329.0	1326.5	1356.3
17.5°	1184.6	1202.0	1199.5	1174.7	1195.8	1187.1	1185.9	1168.4	1144.8	1127.4	1137.3
20°	1049.0	1081.3	1106.2	1107.5	1118.7	1117.4	1098.8	1045.2	1027.8	1024.1	1026.6
22.5°	1000.5	1017.9	1047.7	1090.0	1090.0	1070.1	1047.7	985.5	969.3	951.9	944.5
25°	961.9	995.5	1034.0	1039.0	1058.9	1040.3	1004.2	973.1	939.5	915.8	915.8
27.5°	942.0	979.3	1007.9	1016.6	1044.0	1029.1	991.7	951.9	912.1	910.9	889.7
30°	933.3	968.1	986.8	1007.9	1020.4	996.7	985.5	943.2	903.4	893.4	858.6
32.5°	907.1	956.9	991.7	986.8	996.7	986.8	970.6	935.7	891.0	868.6	864.8
35°	877.3	927.0	964.4	990.5	996.7	975.6	965.6	918.3	857.4	846.2	807.6
37.5°	861.1	891.0	937.0	979.3	988.0	976.8	943.2	894.7	833.7	821.3	787.7
40°	841.2	879.8	915.8	950.7	976.8	949.4	910.9	863.6	836.2	798.9	788.9
42.5°	826.2	869.8	899.7	938.2	968.1	932.0	887.2	854.9	816.3	791.4	762.8
44°	821.3	861.1	881.0	928.3	953.2	925.8	888.5	854.9	810.1	787.7	762.8
45°	803.8	858.6	879.8	922.1	943.2	920.8	873.5	839.9	807.6	780.2	754.1
47.5°	786.4	823.8	859.8	893.4	908.4	900.9	861.1	820.0	781.4	765.3	740.4
50°	781.4	818.8	852.4	883.5	900.9	886.0	849.9	810.1	765.3	739.1	718.0
52.5°	756.6	802.6	839.9	849.9	872.3	863.6	836.2	792.6	750.3	727.9	710.5
55°	720.5	769.0	820.0	832.5	864.8	851.1	810.1	769.0	732.9	699.3	676.9
57.5°	706.8	754.1	803.8	820.0	839.9	817.5	807.6	764.0	706.8	689.4	654.5
60°	671.9	731.7	772.7	810.1	811.3	805.1	787.7	737.9	690.6	658.3	633.4
62.5°	644.6	700.6	732.9	767.8	788.9	771.5	754.1	708.0	657.0	620.9	592.3
65°	604.8	655.8	683.1	704.3	727.9	725.5	695.6	662.0	608.5	579.9	552.5
67.5°	543.8	588.6	625.9	645.8	660.7	657.0	634.6	611.0	556.2	527.6	507.7
70°	470.4	516.4	540.0	551.2	566.2	573.6	556.2	545.0	496.5	459.2	440.5
72.5°	378.3	408.1	443.0	452.9	459.2	464.1	464.1	454.2	404.4	389.5	357.1
75°	278.7	302.4	328.5	328.5	339.7	341.0	343.4	337.2	299.9	280.0	272.5
77.5°	189.1	206.6	227.7	236.4	243.9	242.6	241.4	224.0	204.1	195.4	187.9
80°	123.2	140.6	150.6	161.8	169.2	168.0	170.5	158.0	149.3	134.4	136.9
82.5°	73.4	87.1	97.1	110.7	110.7	114.5	114.5	110.7	102.0	94.6	94.6
85°	34.8	46.0	52.3	61.0	66.0	67.2	59.7	51.0	42.3	38.6	42.3
87.5°	6.2	8.7	12.4	11.2	13.7	12.4	12.4	12.4	12.4	10.0	11.2
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: P527300

CATALOG NUMBER: GALN-SA2B-740-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5	3801.5
2.5°	3378.4	3440.6	3484.2	3556.3	3680.8	3780.3	3882.4	3958.3	3967.0	3989.4
5°	2857.0	2890.6	3001.4	3145.7	3247.7	3415.7	3524.0	3720.6	3794.0	3872.4
7.5°	2231.1	2285.9	2433.9	2531.0	2755.0	2965.3	3183.0	3425.7	3522.7	3533.9
10°	1881.4	1961.1	2061.9	2217.4	2339.4	2573.3	2844.6	3114.6	3222.9	3241.5
12.5°	1652.5	1754.5	1888.9	2000.9	2117.9	2321.9	2582.0	2915.5	3056.1	3140.7
15°	1432.2	1538.0	1686.1	1841.6	1944.9	2188.8	2494.9	2870.7	3053.6	3128.3
17.5°	1205.8	1304.1	1426.0	1594.0	1801.8	2075.6	2481.2	3020.0	3220.4	3307.5
20°	1011.7	1066.4	1208.3	1381.2	1641.3	1959.8	2486.2	3240.3	3533.9	3572.5
22.5°	935.7	948.2	1004.2	1163.5	1448.4	1841.6	2574.5	3552.6	3886.1	4013.0
25°	877.3	874.8	889.7	996.7	1307.8	1795.6	2661.7	3840.0	4276.8	4414.9
27.5°	844.9	820.0	821.3	922.1	1208.3	1720.9	2773.6	4169.8	4719.8	4780.8
30°	828.7	823.8	808.8	849.9	1100.0	1608.9	2792.3	4494.6	4981.1	5069.5
32.5°	818.8	770.2	751.6	766.5	998.0	1487.0	2862.0	4708.6	5304.6	5266.1
35°	769.0	725.5	713.0	727.9	925.8	1418.6	2816.0	4895.2	5547.3	5612.0
37.5°	750.3	711.8	686.9	674.4	858.6	1361.3	2792.3	5182.7	5782.5	5938.0
40°	732.9	691.9	662.0	649.5	806.3	1285.4	2784.8	5404.2	6053.7	6147.1
42.5°	713.0	686.9	653.3	630.9	742.9	1209.5	2699.0	5472.6	6137.1	6237.9
44°	706.8	667.0	632.1	624.7	718.0	1170.9	2681.6	5534.8	6209.3	6362.3
45°	700.6	663.2	623.4	613.5	709.3	1149.8	2657.9	5549.8	6328.7	6357.4
47.5°	683.1	659.5	620.9	593.6	690.6	1103.7	2587.0	5465.2	6206.8	6211.8
50°	669.5	642.1	602.3	548.8	665.7	1065.2	2619.3	5434.1	5913.1	5924.3
52.5°	654.5	613.5	591.1	499.0	624.7	1032.8	2687.8	5574.7	5946.7	5944.2
55°	637.1	592.3	537.6	456.7	556.2	991.7	2853.3	5852.2	6257.8	6300.1
57.5°	609.7	571.2	492.8	419.3	477.8	913.3	2799.8	5320.8	5757.6	5765.0
60°	573.6	537.6	446.7	390.7	392.0	720.5	2503.6	4146.2	4543.1	4651.4
62.5°	538.8	518.9	408.1	349.7	333.5	573.6	2116.6	3445.6	3899.8	3989.4
65°	497.7	449.2	374.5	318.6	286.2	401.9	1499.4	2574.5	3042.4	3163.1
67.5°	445.5	393.2	329.8	280.0	245.1	268.8	774.0	1463.3	1937.4	2008.4
70°	389.5	341.0	277.5	236.4	197.9	185.4	341.0	698.1	1058.9	1132.4
72.5°	319.8	275.0	221.5	186.7	148.1	128.2	114.5	186.7	375.8	436.8
75°	231.4	200.3	166.7	133.1	104.5	82.1	67.2	56.0	62.2	67.2
77.5°	170.5	145.6	123.2	94.6	73.4	58.5	46.0	34.8	33.6	32.4
80°	133.1	118.2	98.3	75.9	57.2	43.6	32.4	23.6	21.2	21.2
82.5°	104.5	97.1	80.9	62.2	47.3	34.8	23.6	16.2	13.7	13.7
85°	39.8	39.8	58.5	51.0	36.1	24.9	16.2	8.7	7.5	7.5
87.5°	10.0	10.0	10.0	10.0	8.7	7.5	7.5	3.7	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)