

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: P526834

Luminaire Tested: **GALN-SA1D-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-740-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5829 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

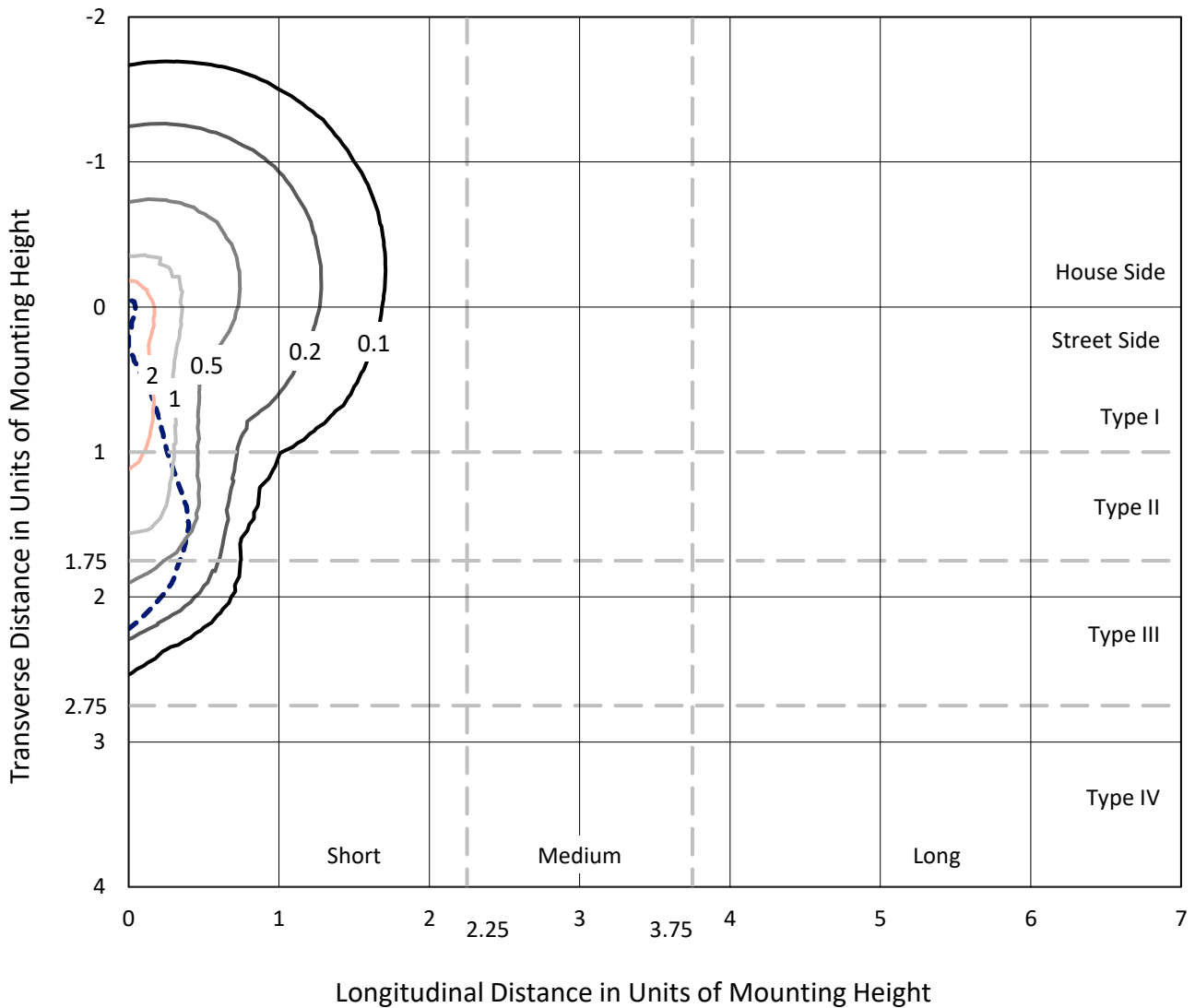
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526834
 CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

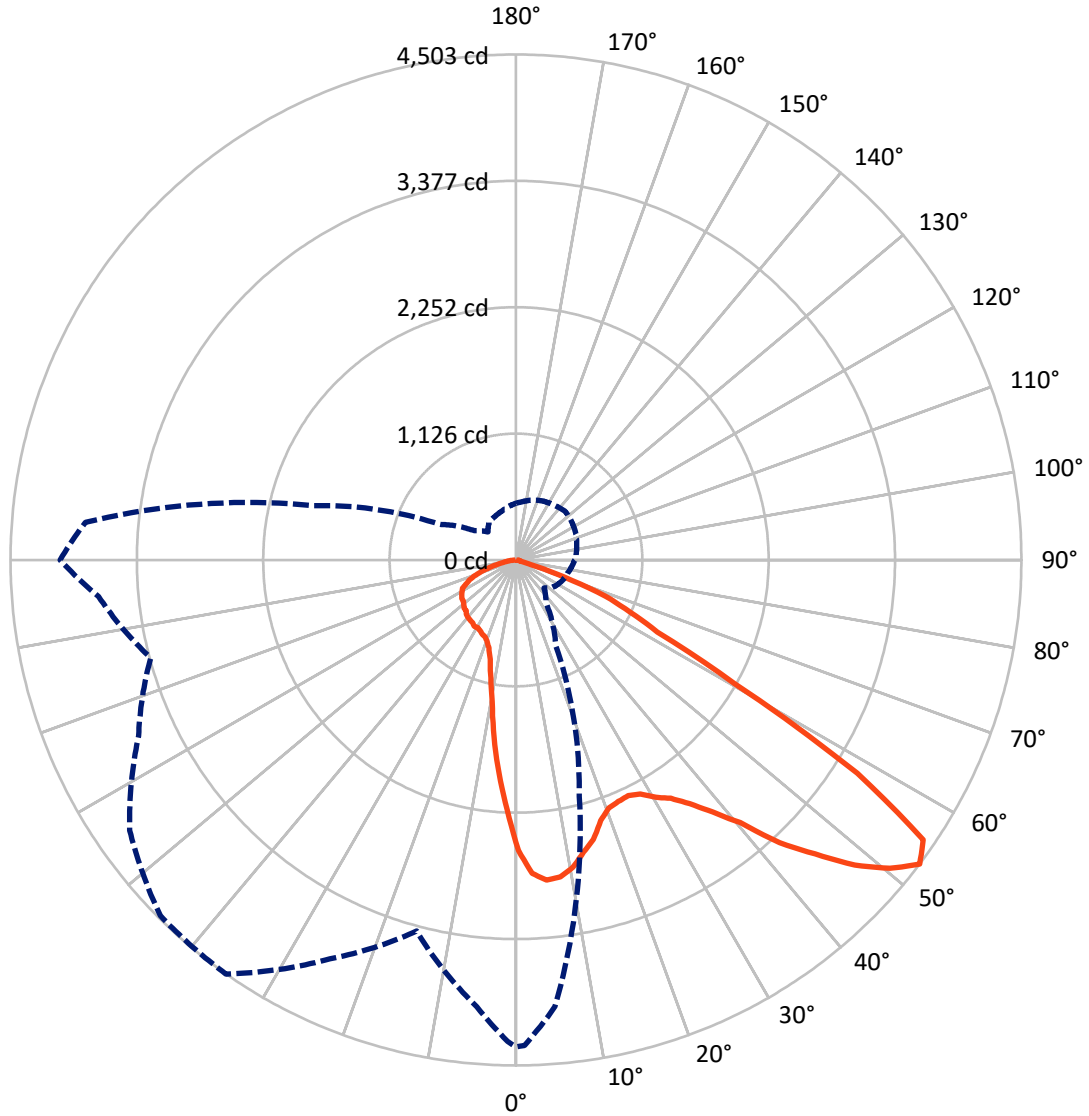
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

REPORT NUMBER: P526834
CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical



REPORT NUMBER: P526834
 CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

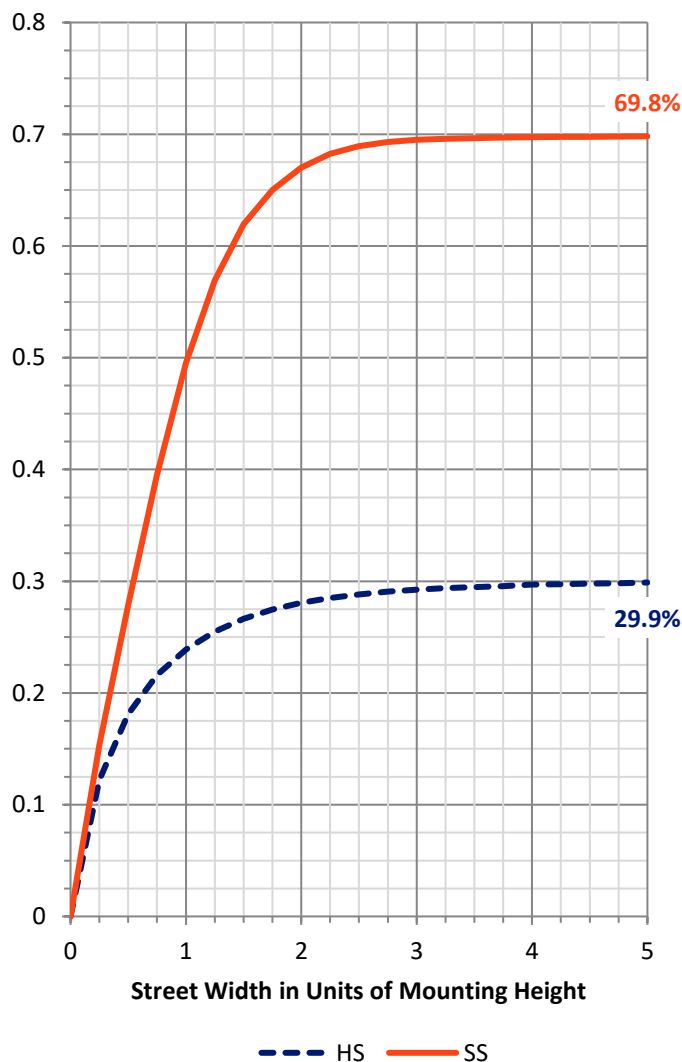
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1757.2	0.0	1757.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	4071.8	0.0	4071.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	5829.0	0.0	5829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	3.4
10°-20°	427.9	7.3
20°-30°	646.4	11.1
30°-40°	934.1	16.0
40°-50°	1243.2	21.3
50°-60°	1390.5	23.9
60°-70°	783.7	13.4
70°-80°	174.7	3.0
80°-90°	31.1	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°	5829.0	100.0
0°-180°	5829.0	100.0

Coefficient of Utilization



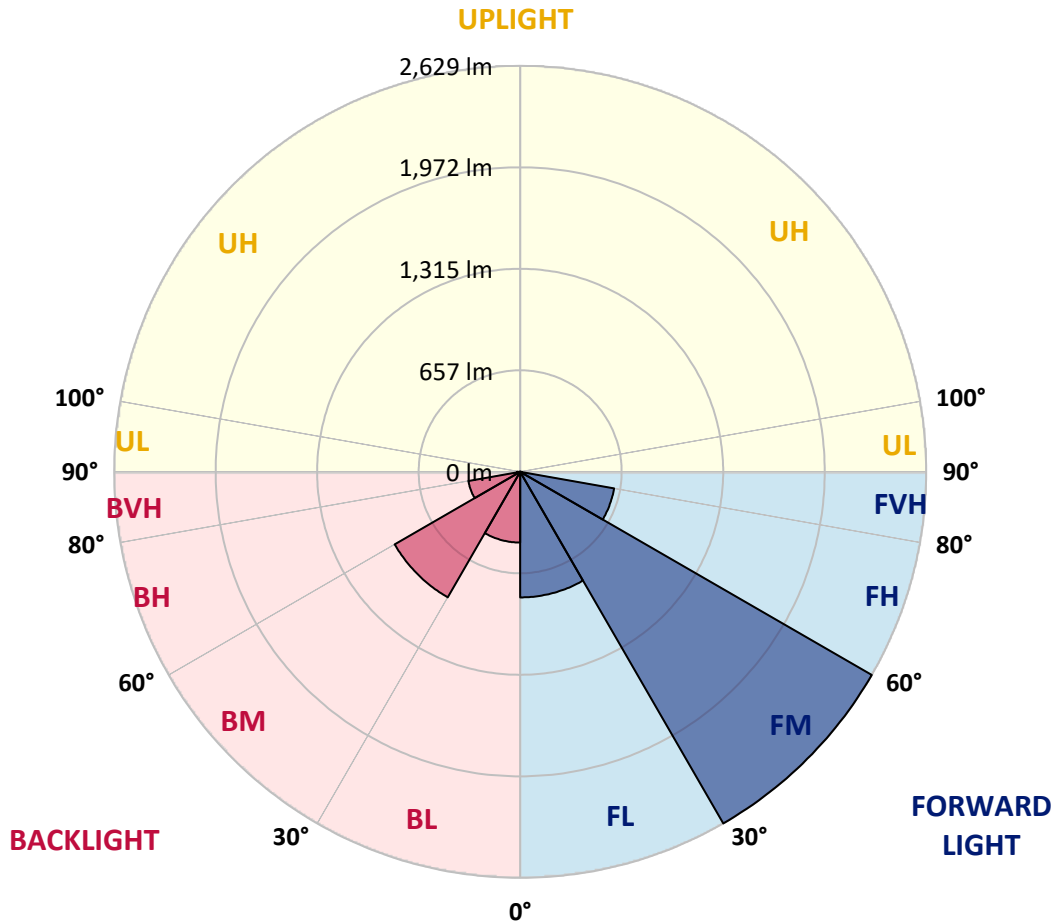
REPORT NUMBER: P526834
 CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.4	14.0			
FM (30°-60°)	2629.3	45.1			
FH (60°-80°)	617.8	10.6			G0/660
FVH (80°-90°)	11.3	0.2			G1/100
BL (0°-30°)	458.2	7.9	B1/500		
BM (30°-60°)	938.5	16.1	B1/1000		
BH (60°-80°)	340.6	5.8	B1/500		G1/500
BVH (80°-90°)	19.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P526834

CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9
2.5°	2630.0	2672.3	2626.7	2545.5	2488.1	2435.7	2380.8	2369.8	2298.0	2285.3	2233.0
5°	2480.5	2471.2	2415.4	2309.0	2191.6	2085.1	2006.5	1930.5	1879.0	1819.0	1814.7
7.5°	2298.9	2244.8	2212.7	2051.3	1906.0	1738.7	1666.9	1551.2	1514.8	1460.8	1432.9
10°	2136.6	2096.9	2021.7	1860.4	1657.6	1546.9	1470.0	1407.5	1365.3	1309.5	1239.4
12.5°	2056.4	2040.3	1955.8	1705.8	1555.4	1437.1	1383.0	1322.2	1250.4	1160.8	1126.2
15°	2070.7	2016.7	1952.5	1676.2	1468.4	1354.3	1268.1	1192.1	1100.0	1014.7	964.8
17.5°	2178.0	2136.6	2008.2	1694.8	1435.4	1270.7	1114.4	1002.0	919.2	842.3	807.7
20°	2389.2	2329.3	2184.8	1718.4	1364.4	1154.1	975.0	836.4	747.7	707.1	695.3
22.5°	2623.3	2587.8	2357.1	1771.7	1307.8	1045.9	827.1	688.6	655.6	644.6	666.6
25°	2908.0	2815.9	2625.0	1858.7	1263.9	953.8	702.1	625.2	608.3	619.3	644.6
27.5°	3124.3	3099.8	2812.5	1940.6	1203.9	843.2	632.0	581.3	586.3	597.3	621.0
30°	3381.1	3256.9	2994.2	1997.2	1149.8	767.1	582.9	569.4	574.5	593.1	604.9
32.5°	3535.7	3489.3	3108.2	2082.6	1087.3	701.2	544.9	532.3	539.9	567.7	595.6
35°	3732.6	3640.5	3249.3	2104.5	1043.4	675.0	517.9	508.6	526.3	545.8	577.0
37.5°	3962.4	3899.0	3444.5	2089.3	1019.7	648.0	495.1	490.9	503.5	530.6	566.9
40°	4098.4	4079.0	3546.7	2098.6	982.6	624.3	468.9	474.0	500.2	521.3	556.8
42.5°	4229.3	4102.6	3697.9	2095.2	958.9	592.2	471.4	465.5	485.8	510.3	544.1
45°	4258.1	4132.2	3733.4	2071.6	930.2	561.0	452.0	454.5	479.0	509.4	531.4
47.5°	4239.5	4146.5	3799.3	2064.8	903.2	539.0	423.3	453.7	468.0	492.6	523.8
50°	4226.8	4221.7	3855.1	2096.9	866.8	504.4	388.6	442.7	457.1	481.6	515.4
52.5°	4338.3	4327.3	3994.5	2181.4	838.1	467.2	353.1	414.8	449.5	473.1	506.1
55°	4405.9	4357.8	4233.6	2285.3	789.9	418.2	328.6	380.2	430.9	452.0	485.8
57.5°	3963.2	3930.3	3829.7	2133.3	708.8	354.0	298.2	344.7	405.5	438.5	473.1
60°	3297.5	3245.9	2988.3	1813.1	523.0	275.4	279.6	316.8	398.8	411.4	452.0
62.5°	3109.1	2981.5	2630.9	1459.1	401.3	236.6	250.9	291.5	363.3	384.4	425.0
65°	2467.0	2372.4	1882.3	1053.5	268.7	205.3	229.0	262.7	313.4	354.8	392.0
67.5°	1544.4	1454.0	1004.5	498.5	187.6	175.7	204.5	239.9	281.3	318.5	359.9
70°	806.8	708.0	463.8	180.0	129.3	143.6	170.7	204.5	245.0	275.4	307.5
72.5°	300.8	244.2	151.2	77.7	89.6	109.8	138.6	163.1	191.8	229.0	246.7
75°	46.5	39.7	38.9	47.3	60.8	79.4	98.8	123.3	148.7	172.4	184.2
77.5°	22.0	21.1	23.7	31.3	40.6	56.6	71.8	95.5	115.7	131.0	137.7
80°	14.4	13.5	15.2	21.1	30.4	42.2	57.5	73.5	92.1	104.8	103.1
82.5°	8.4	9.3	9.3	14.4	21.1	30.4	41.4	55.8	68.4	79.4	72.7
85°	5.1	4.2	4.2	8.4	14.4	24.5	34.6	23.7	24.5	24.5	27.9
87.5°	1.7	1.7	1.7	0.8	1.7	1.7	2.5	4.2	5.1	5.9	7.6
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: P526834

CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9
2.5°	2231.3	2257.5	2248.2	2215.2	2240.6	2244.8	2227.9	2286.2	2297.2	2279.4	2284.5
5°	1808.8	1815.6	1830.8	1862.9	1885.7	1912.8	1912.8	1914.4	1891.6	1949.1	1932.2
7.5°	1409.2	1413.4	1431.2	1499.6	1519.0	1570.6	1592.6	1577.3	1531.7	1512.3	1528.3
10°	1216.6	1192.1	1186.2	1194.6	1238.6	1260.5	1279.1	1274.0	1266.4	1251.2	1234.3
12.5°	1088.2	1070.4	1056.1	1035.8	1038.3	1059.4	1073.8	1062.0	1065.4	1068.7	1073.8
15°	948.8	936.1	928.5	898.1	894.7	909.1	914.1	920.9	933.6	934.4	928.5
17.5°	800.9	789.9	806.8	823.7	811.9	812.8	822.0	828.0	824.6	809.4	801.8
20°	699.5	711.4	728.3	744.3	757.0	764.6	768.0	758.7	747.7	716.4	715.6
22.5°	670.0	685.2	699.5	724.0	735.9	755.3	737.6	716.4	701.2	686.0	668.3
25°	648.0	660.7	689.4	698.7	721.5	737.6	724.9	703.8	677.6	655.6	642.1
27.5°	632.0	646.3	664.9	690.2	708.0	717.3	704.6	696.2	669.1	642.9	623.5
30°	621.8	637.0	670.8	691.9	707.1	714.7	692.8	682.6	663.2	641.2	624.3
32.5°	615.1	628.6	657.3	684.3	694.5	694.5	697.9	686.0	659.0	621.8	607.5
35°	593.1	611.7	635.3	666.6	685.2	696.2	679.3	665.7	648.0	610.0	583.8
37.5°	580.4	593.1	623.5	653.1	669.1	681.0	674.2	650.5	626.9	595.6	574.5
40°	566.9	587.2	614.2	642.1	659.8	671.7	666.6	638.7	610.0	580.4	566.1
42.5°	557.6	571.1	599.0	630.3	651.4	674.2	659.0	624.3	604.1	563.5	547.5
45°	550.0	572.0	601.5	614.2	636.2	659.8	632.8	611.7	588.0	558.4	544.9
47.5°	540.7	561.0	580.4	614.2	624.3	635.3	630.3	596.5	576.2	544.1	534.8
50°	537.3	544.9	580.4	599.0	613.4	624.3	610.8	585.5	566.1	533.1	512.8
52.5°	523.8	538.2	561.0	585.5	603.2	616.7	594.8	578.7	552.5	517.9	505.2
55°	506.9	515.4	555.9	581.3	590.6	599.8	591.4	565.2	538.2	502.7	490.0
57.5°	484.9	504.4	537.3	572.8	584.6	589.7	576.2	555.1	521.3	490.0	469.7
60°	462.1	482.4	518.7	547.5	559.3	577.9	557.6	544.9	506.1	471.4	449.5
62.5°	439.3	462.1	489.2	525.5	535.6	543.2	538.2	520.4	489.2	450.3	423.3
65°	412.3	429.2	463.0	481.6	488.3	506.1	488.3	481.6	453.7	416.5	393.7
67.5°	371.7	386.1	415.7	433.4	438.5	446.1	445.2	437.6	406.4	381.0	360.8
70°	325.3	337.9	356.5	377.7	380.2	389.5	381.0	379.3	359.1	324.4	313.4
72.5°	261.1	272.9	297.4	306.7	307.5	310.9	306.7	300.8	295.7	259.4	248.4
75°	200.2	207.0	218.8	227.3	227.3	231.5	229.0	223.0	209.5	186.7	175.7
77.5°	139.4	146.2	161.4	166.4	165.6	167.3	159.7	153.8	133.5	121.7	112.4
80°	101.4	105.6	113.2	116.6	117.4	120.0	110.7	105.6	93.8	80.3	76.0
82.5°	73.5	76.0	76.9	81.1	81.1	76.9	74.3	69.3	60.8	52.4	49.0
85°	30.4	31.3	32.1	37.2	38.0	45.6	42.2	39.7	34.6	29.6	27.0
87.5°	7.6	8.4	11.0	9.3	11.0	11.0	11.8	13.5	13.5	11.0	11.0
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: P526834

CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9
2.5°	2303.9	2310.7	2396.9	2407.8	2450.1	2493.2	2580.2	2642.7	2693.4	2726.3	2735.6
5°	1949.9	1993.0	2032.7	2096.9	2155.2	2238.0	2333.5	2451.8	2600.5	2676.5	2706.9
7.5°	1526.7	1577.3	1634.8	1697.3	1782.6	1931.3	2058.9	2195.8	2385.9	2464.4	2583.6
10°	1246.2	1302.8	1378.8	1427.0	1530.0	1672.0	1820.7	1978.7	2160.3	2273.5	2411.2
12.5°	1101.7	1148.2	1218.3	1319.7	1396.5	1488.6	1599.3	1798.7	2058.9	2166.2	2260.8
15°	942.0	993.5	1074.7	1187.0	1279.1	1388.9	1513.1	1730.3	2007.4	2173.0	2253.2
17.5°	810.2	847.4	932.7	1029.9	1135.5	1255.5	1433.7	1726.9	2061.4	2273.5	2404.5
20°	719.0	724.0	770.5	853.3	996.9	1153.2	1384.7	1710.0	2234.6	2446.7	2612.3
22.5°	661.5	656.5	657.3	727.4	828.0	1052.7	1307.8	1767.4	2431.5	2722.1	2833.6
25°	632.8	619.3	610.8	626.0	717.3	933.6	1249.5	1843.5	2643.6	2949.4	3086.3
27.5°	617.6	593.9	577.0	579.6	646.3	873.6	1213.2	1876.4	2853.9	3266.2	3314.4
30°	611.7	582.1	557.6	549.2	593.1	789.9	1135.5	1933.0	3042.3	3440.2	3481.6
32.5°	590.6	554.2	530.6	523.0	540.7	716.4	1079.7	1973.6	3208.8	3629.5	3615.1
35°	566.1	535.6	506.1	491.7	504.4	669.1	1034.9	1954.1	3404.8	3776.5	3768.9
37.5°	563.5	523.8	499.3	475.7	474.8	610.8	974.1	1972.7	3529.8	4040.1	3936.2
40°	541.6	516.2	484.1	464.7	453.7	581.3	915.0	1928.8	3713.1	4146.5	4044.3
42.5°	542.4	504.4	476.5	453.7	442.7	538.2	874.4	1917.0	3777.3	4319.7	4095.0
45°	528.9	491.7	468.0	441.0	435.1	505.2	835.6	1862.1	3890.6	4328.2	4031.6
47.5°	515.4	482.4	457.1	425.0	411.4	493.4	805.1	1816.4	3831.4	4248.8	3943.8
50°	506.1	468.0	444.4	421.6	383.6	473.1	765.4	1805.5	3748.6	4141.5	3780.7
52.5°	490.0	456.2	431.7	414.0	353.1	454.5	750.2	1869.7	3850.0	4061.2	3733.4
55°	474.8	440.2	408.9	374.3	327.8	405.5	708.0	1929.6	3997.9	4246.2	3948.0
57.5°	458.8	425.8	392.0	350.6	303.3	354.8	664.1	1940.6	3720.7	3924.4	3747.8
60°	437.6	395.4	370.0	316.0	277.1	294.0	526.3	1710.8	2886.0	3277.2	3283.1
62.5°	414.0	368.4	346.4	283.0	250.1	253.5	429.2	1437.9	2341.1	2712.8	2874.2
65°	382.7	338.8	312.6	261.9	230.6	219.7	314.3	1053.5	1778.4	2200.8	2384.2
67.5°	342.2	300.8	267.8	228.1	206.1	188.4	214.6	593.1	1050.2	1477.7	1533.4
70°	299.1	263.6	229.0	196.0	171.5	158.8	157.1	262.7	501.8	795.0	904.8
72.5°	235.7	210.4	182.5	158.0	141.9	123.3	112.4	109.0	169.8	323.6	446.9
75°	169.0	147.8	131.8	115.7	103.9	93.8	85.3	77.7	71.0	81.1	111.5
77.5°	106.5	98.8	86.2	82.0	75.2	72.7	69.3	65.1	60.0	56.6	56.6
80°	71.8	66.7	62.5	61.7	59.1	58.3	59.1	54.9	49.8	45.6	47.3
82.5°	48.2	47.3	46.5	45.6	46.5	47.3	49.0	48.2	43.9	41.4	42.2
85°	28.7	30.4	32.1	33.8	37.2	32.9	27.0	22.8	20.3	18.6	17.7
87.5°	11.0	15.2	13.5	12.7	13.5	12.7	11.8	11.0	9.3	8.4	8.4
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: P526834

CATALOG NUMBER: GALN-SA1D-740-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9	2586.9
2.5°	2797.3	2814.2	2828.6	2825.2	2795.6	2755.9	2739.9	2657.9	2641.0	2630.0
5°	2835.3	2933.3	2954.5	2941.8	2864.9	2767.7	2673.1	2553.2	2483.0	2480.5
7.5°	2765.2	2886.0	2924.0	2952.8	2850.5	2681.6	2519.4	2339.4	2295.5	2298.9
10°	2586.9	2779.6	2873.4	2902.9	2785.5	2639.3	2414.6	2232.1	2138.3	2136.6
12.5°	2488.1	2639.3	2665.5	2706.9	2672.3	2524.4	2353.8	2149.3	2058.1	2056.4
15°	2400.2	2499.9	2507.5	2565.8	2584.4	2484.7	2369.8	2151.8	2078.3	2070.7
17.5°	2477.1	2407.8	2379.1	2386.7	2441.6	2478.0	2462.8	2295.5	2220.3	2178.0
20°	2528.7	2374.0	2287.0	2295.5	2360.5	2493.2	2601.3	2503.3	2384.2	2389.2
22.5°	2666.4	2379.1	2243.1	2233.8	2336.9	2572.6	2757.6	2766.1	2651.2	2623.3
25°	2872.5	2437.4	2229.6	2227.0	2325.9	2657.9	2940.1	3077.0	2959.5	2908.0
27.5°	3038.1	2528.7	2271.8	2280.3	2360.5	2727.2	3095.5	3277.2	3187.6	3124.3
30°	3183.4	2623.3	2331.0	2292.1	2453.5	2763.5	3162.3	3505.3	3433.5	3381.1
32.5°	3243.4	2757.6	2424.7	2360.5	2530.3	2807.5	3300.8	3726.7	3665.0	3535.7
35°	3344.8	2832.8	2475.4	2470.4	2664.7	2913.1	3365.9	3872.8	3847.5	3732.6
37.5°	3425.9	2908.8	2655.4	2599.6	2848.9	3090.5	3470.7	4074.7	4016.4	3962.4
40°	3488.4	3044.9	2823.5	2897.0	3075.3	3251.8	3567.0	4087.4	4255.5	4098.4
42.5°	3431.0	3166.5	3099.8	3275.5	3444.5	3436.0	3578.0	4185.4	4311.3	4229.3
45°	3416.6	3372.7	3536.6	3696.2	3735.1	3588.9	3499.4	4077.3	4294.4	4258.1
47.5°	3382.0	3575.4	3861.0	4121.2	4062.1	3691.2	3405.6	4057.8	4304.5	4239.5
50°	3370.1	3619.4	4100.9	4354.4	4318.9	3779.9	3361.7	3932.8	4232.7	4226.8
52.5°	3369.3	3709.8	4200.6	4481.1	4503.1	3920.1	3421.7	3996.2	4288.5	4338.3
55°	3407.3	3681.0	4187.9	4411.0	4402.5	3857.6	3428.4	4038.4	4356.9	4405.9
57.5°	3213.8	3297.5	3456.3	3632.9	3587.3	3195.2	3061.8	3733.4	3998.7	3963.2
60°	2775.3	2513.4	2334.3	2325.9	2237.2	2114.7	2505.8	3332.1	3332.1	3297.5
62.5°	2430.6	1650.0	1417.7	1351.8	1415.1	1556.2	2417.1	3240.9	3148.8	3109.1
65°	2125.7	1259.7	1024.8	1006.2	1116.1	1329.0	2185.6	2761.0	2598.8	2467.0
67.5°	1367.8	922.6	762.1	729.1	861.8	975.8	1454.8	1698.2	1595.9	1544.4
70°	882.0	600.7	424.1	397.9	449.5	601.5	929.3	990.2	841.5	806.8
72.5°	417.4	259.4	148.7	122.5	137.7	229.8	367.5	395.4	328.6	300.8
75°	132.6	95.5	60.8	52.4	49.8	59.1	84.5	65.1	47.3	46.5
77.5°	59.1	56.6	48.2	40.6	35.5	29.6	24.5	20.3	21.1	22.0
80°	49.0	44.8	39.7	35.5	29.6	22.8	17.7	13.5	13.5	14.4
82.5°	43.1	38.9	34.6	29.6	25.3	18.6	13.5	9.3	8.4	8.4
85°	18.6	22.0	23.7	25.3	20.3	15.2	9.3	5.9	5.1	5.1
87.5°	7.6	6.8	5.9	5.1	4.2	4.2	3.4	2.5	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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