

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: P526600

Luminaire Tested: **GALN-SA1C-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526600  
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-SA1C-740-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA 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: 5298 lumens  
Efficiency: N/A  
Efficacy: 92.9 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

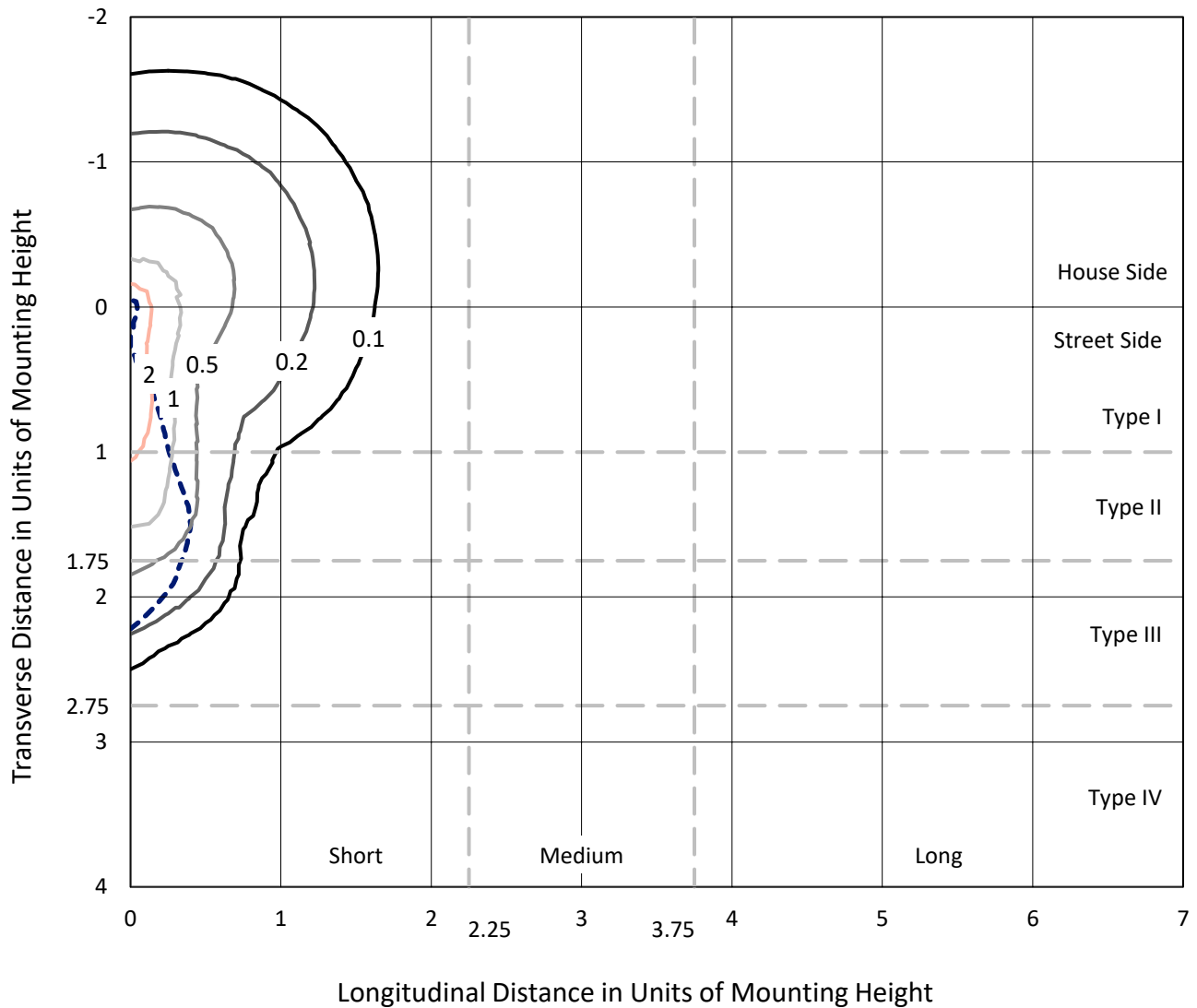
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526600  
 CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

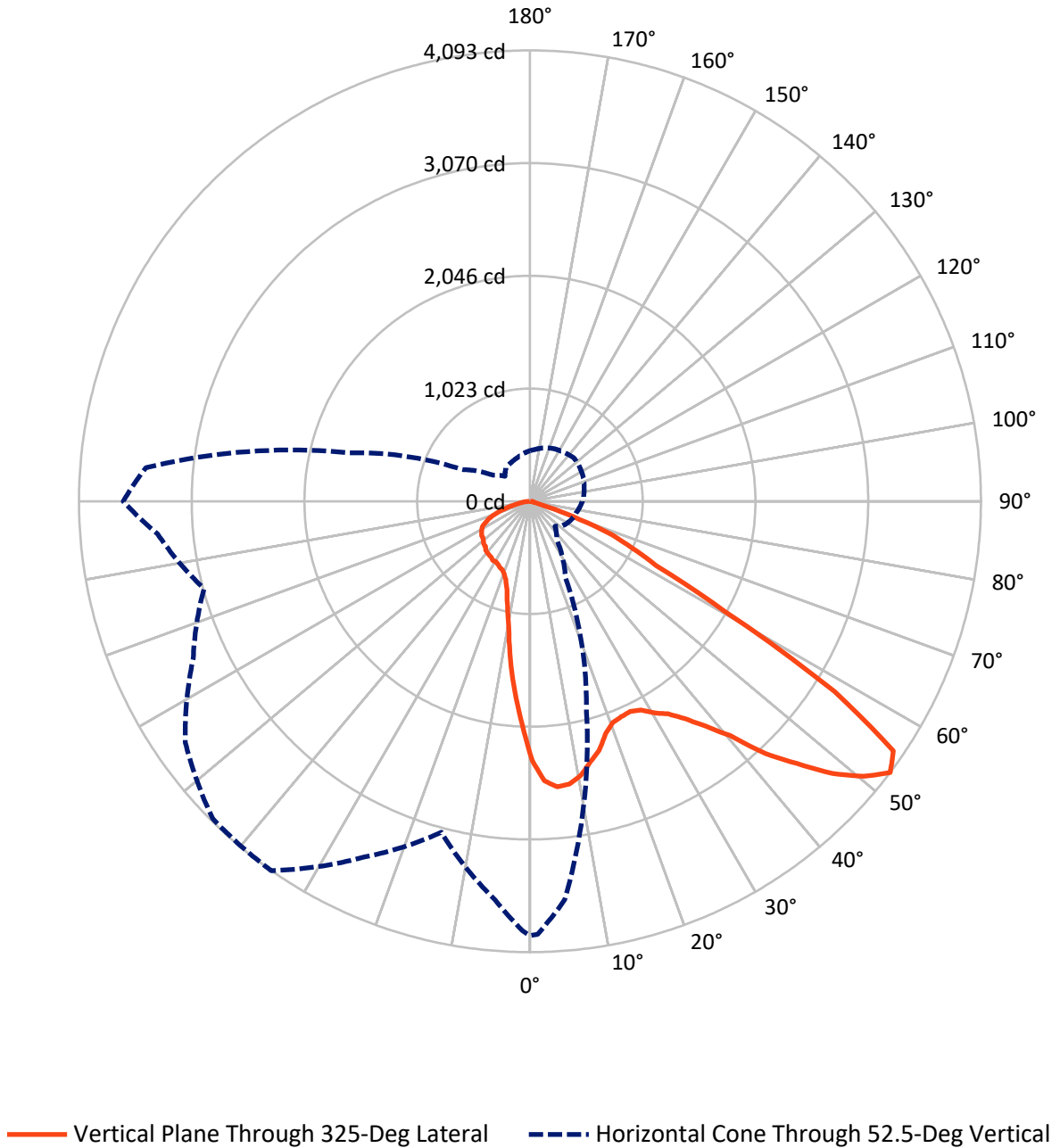
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type III - Short - N/A

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CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSWH

### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1597.1	0.0	1597.1
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	3700.9	0.0	3700.9
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	5298.0	0.0	5298.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.4	3.4
10°-20°	388.9	7.3
20°-30°	587.6	11.1
30°-40°	849.0	16.0
40°-50°	1129.9	21.3
50°-60°	1263.9	23.9
60°-70°	712.3	13.4
70°-80°	158.8	3.0
80°-90°	28.3	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°	5298.0	100.0
0°-180°	5298.0	100.0

**Coefficient of Utilization**

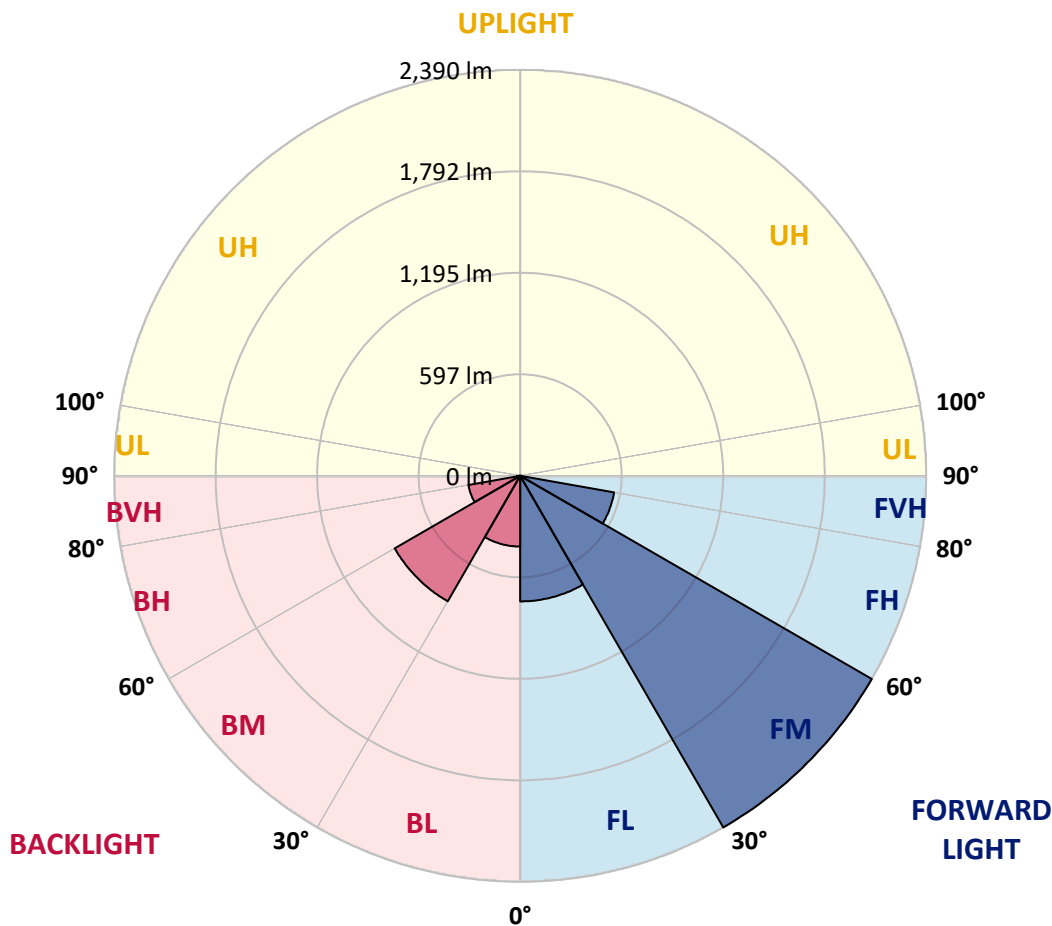


REPORT NUMBER: P526600  
 CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.3	14.0			
FM (30°-60°)	2389.8	45.1			
FH (60°-80°)	561.5	10.6			G0/660
FVH (80°-90°)	10.2	0.2			G1/100
BL (0°-30°)	416.5	7.9	B1/500		
BM (30°-60°)	853.0	16.1	B1/1000		
BH (60°-80°)	309.6	5.8	B1/500		G1/500
BVH (80°-90°)	18.0	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: P526600

CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3
2.5°	2390.4	2428.8	2387.4	2313.7	2261.4	2213.8	2163.9	2153.9	2088.7	2077.1	2029.5
5°	2254.5	2246.1	2195.4	2098.6	1991.9	1895.2	1823.7	1754.6	1707.8	1653.3	1649.4
7.5°	2089.4	2040.3	2011.1	1864.4	1732.4	1580.3	1515.1	1409.8	1376.8	1327.7	1302.3
10°	1942.0	1905.9	1837.6	1690.9	1506.6	1406.0	1336.1	1279.3	1240.9	1190.2	1126.5
12.5°	1869.0	1854.5	1777.7	1550.4	1413.7	1306.2	1257.0	1201.8	1136.5	1055.1	1023.6
15°	1882.1	1833.0	1774.6	1523.5	1334.6	1230.9	1152.6	1083.5	999.8	922.2	876.9
17.5°	1979.6	1942.0	1825.3	1540.4	1304.6	1154.9	1012.8	910.7	835.5	765.6	734.1
20°	2171.6	2117.1	1985.8	1561.9	1240.1	1048.9	886.1	760.2	679.6	642.7	632.0
22.5°	2384.3	2352.1	2142.4	1610.3	1188.7	950.7	751.8	625.8	595.9	585.9	605.9
25°	2643.1	2559.4	2385.8	1689.4	1148.8	866.9	638.1	568.2	552.9	562.9	585.9
27.5°	2839.7	2817.4	2556.3	1763.8	1094.2	766.4	574.4	528.3	532.9	542.9	564.4
30°	3073.1	2960.2	2721.4	1815.3	1045.1	697.2	529.8	517.6	522.2	539.1	549.8
32.5°	3213.6	3171.4	2825.1	1892.9	988.3	637.4	495.3	483.8	490.7	516.0	541.4
35°	3392.5	3308.8	2953.3	1912.8	948.3	613.5	470.7	462.3	478.4	496.1	524.5
37.5°	3601.4	3543.8	3130.7	1899.0	926.8	589.0	450.0	446.1	457.7	482.2	515.3
40°	3725.0	3707.4	3223.6	1907.4	893.1	567.5	426.2	430.8	454.6	473.8	506.0
42.5°	3844.1	3728.9	3361.1	1904.4	871.6	538.3	428.5	423.1	441.5	463.8	494.5
45°	3870.2	3755.8	3393.3	1882.9	845.4	509.9	410.8	413.1	435.4	463.0	483.0
47.5°	3853.3	3768.8	3453.2	1876.7	820.9	489.9	384.7	412.4	425.4	447.7	476.1
50°	3841.8	3837.2	3503.9	1905.9	787.9	458.4	353.2	402.4	415.4	437.7	468.4
52.5°	3943.1	3933.1	3630.6	1982.7	761.7	424.6	321.0	377.0	408.5	430.0	460.0
55°	4004.6	3960.8	3847.9	2077.1	718.0	380.1	298.7	345.6	391.6	410.8	441.5
57.5°	3602.2	3572.2	3480.9	1938.9	644.3	321.7	271.1	313.3	368.6	398.5	430.0
60°	2997.1	2950.2	2716.0	1647.9	475.3	250.3	254.2	288.0	362.4	374.0	410.8
62.5°	2825.8	2709.9	2391.2	1326.1	364.7	215.0	228.1	264.9	330.2	349.4	386.2
65°	2242.2	2156.2	1710.9	957.6	244.2	186.6	208.1	238.8	284.9	322.5	356.3
67.5°	1403.7	1321.5	913.0	453.1	170.5	159.7	185.8	218.1	255.7	289.5	327.1
70°	733.3	643.5	421.6	163.6	117.5	130.5	155.1	185.8	222.7	250.3	279.5
72.5°	273.4	221.9	137.5	70.6	81.4	99.8	125.9	148.2	174.3	208.1	224.2
75°	42.2	36.1	35.3	43.0	55.3	72.2	89.8	112.1	135.1	156.6	167.4
77.5°	20.0	19.2	21.5	28.4	36.9	51.4	65.3	86.8	105.2	119.0	125.2
80°	13.1	12.3	13.8	19.2	27.6	38.4	52.2	66.8	83.7	95.2	93.7
82.5°	7.7	8.4	8.4	13.1	19.2	27.6	37.6	50.7	62.2	72.2	66.0
85°	4.6	3.8	3.8	7.7	13.1	22.3	31.5	21.5	22.3	22.3	25.3
87.5°	1.5	1.5	1.5	0.8	1.5	1.5	2.3	3.8	4.6	5.4	6.9
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: P526600

CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3
2.5°	2028.0	2051.8	2043.4	2013.4	2036.4	2040.3	2024.9	2077.9	2087.9	2071.8	2076.4
5°	1644.1	1650.2	1664.0	1693.2	1713.9	1738.5	1738.5	1740.0	1719.3	1771.5	1756.2
7.5°	1280.8	1284.7	1300.8	1363.0	1380.7	1427.5	1447.5	1433.7	1392.2	1374.5	1389.1
10°	1105.8	1083.5	1078.1	1085.8	1125.7	1145.7	1162.6	1158.0	1151.1	1137.2	1121.9
12.5°	989.0	972.9	959.9	941.4	943.7	962.9	976.0	965.2	968.3	971.4	976.0
15°	862.3	850.8	843.9	816.3	813.2	826.3	830.9	837.0	848.5	849.3	843.9
17.5°	728.0	718.0	733.3	748.7	737.9	738.7	747.2	752.5	749.5	735.6	728.7
20°	635.8	646.6	661.9	676.5	688.0	694.9	698.0	689.6	679.6	651.2	650.4
22.5°	608.9	622.8	635.8	658.1	668.8	686.5	670.4	651.2	637.4	623.5	607.4
25°	589.0	600.5	626.6	635.0	655.8	670.4	658.9	639.7	615.8	595.9	583.6
27.5°	574.4	587.4	604.3	627.4	643.5	651.9	640.4	632.7	608.2	584.4	566.7
30°	565.2	579.0	609.7	628.9	642.7	649.6	629.7	620.5	602.8	582.8	567.5
32.5°	559.0	571.3	597.4	622.0	631.2	631.2	634.3	623.5	599.0	565.2	552.1
35°	539.1	556.0	577.5	605.9	622.8	632.7	617.4	605.1	589.0	554.4	530.6
37.5°	527.5	539.1	566.7	593.6	608.2	618.9	612.8	591.3	569.8	541.4	522.2
40°	515.3	533.7	558.3	583.6	599.7	610.5	605.9	580.5	554.4	527.5	514.5
42.5°	506.8	519.1	544.4	572.8	592.0	612.8	599.0	567.5	549.0	512.2	497.6
45°	499.9	519.9	546.7	558.3	578.2	599.7	575.2	556.0	534.5	507.6	495.3
47.5°	491.5	509.9	527.5	558.3	567.5	577.5	572.8	542.1	523.7	494.5	486.1
50°	488.4	495.3	527.5	544.4	557.5	567.5	555.2	532.1	514.5	484.5	466.1
52.5°	476.1	489.1	509.9	532.1	548.3	560.6	540.6	526.0	502.2	470.7	459.2
55°	460.7	468.4	505.3	528.3	536.8	545.2	537.5	513.7	489.1	456.9	445.4
57.5°	440.8	458.4	488.4	520.6	531.4	536.0	523.7	504.5	473.8	445.4	426.9
60°	420.0	438.5	471.5	497.6	508.3	525.2	506.8	495.3	460.0	428.5	408.5
62.5°	399.3	420.0	444.6	477.6	486.8	493.8	489.1	473.0	444.6	409.3	384.7
65°	374.7	390.1	420.8	437.7	443.8	460.0	443.8	437.7	412.4	378.6	357.8
67.5°	337.9	350.9	377.8	393.9	398.5	405.4	404.7	397.8	369.4	346.3	327.9
70°	295.6	307.2	324.1	343.2	345.6	354.0	346.3	344.8	326.4	294.9	284.9
72.5°	237.3	248.0	270.3	278.7	279.5	282.6	278.7	273.4	268.8	235.7	225.8
75°	182.0	188.1	198.9	206.6	206.6	210.4	208.1	202.7	190.4	169.7	159.7
77.5°	126.7	132.8	146.7	151.3	150.5	152.0	145.1	139.8	121.3	110.6	102.1
80°	92.1	96.0	102.9	106.0	106.7	109.0	100.6	96.0	85.2	72.9	69.1
82.5°	66.8	69.1	69.9	73.7	73.7	69.9	67.6	63.0	55.3	47.6	44.5
85°	27.6	28.4	29.2	33.8	34.6	41.5	38.4	36.1	31.5	26.9	24.6
87.5°	6.9	7.7	10.0	8.4	10.0	10.0	10.8	12.3	12.3	10.0	10.0
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: P526600

CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3
2.5°	2094.0	2100.2	2178.5	2188.5	2226.9	2266.0	2345.1	2402.0	2448.0	2478.0	2486.4
5°	1772.3	1811.5	1847.5	1905.9	1958.9	2034.1	2120.9	2228.4	2363.6	2432.7	2460.3
7.5°	1387.6	1433.7	1485.9	1542.7	1620.3	1755.4	1871.4	1995.8	2168.5	2239.9	2348.2
10°	1132.6	1184.1	1253.2	1297.0	1390.7	1519.7	1654.8	1798.4	1963.5	2066.4	2191.6
12.5°	1001.3	1043.6	1107.3	1199.4	1269.3	1353.0	1453.6	1634.8	1871.4	1968.9	2054.9
15°	856.2	903.0	976.8	1078.9	1162.6	1262.4	1375.3	1572.6	1824.5	1975.0	2048.0
17.5°	736.4	770.2	847.8	936.1	1032.0	1141.1	1303.1	1569.6	1873.7	2066.4	2185.4
20°	653.5	658.1	700.3	775.6	906.1	1048.2	1258.6	1554.2	2031.1	2223.8	2374.3
22.5°	601.3	596.7	597.4	661.2	752.5	956.8	1188.7	1606.4	2210.0	2474.1	2575.5
25°	575.2	562.9	555.2	569.0	651.9	848.5	1135.7	1675.5	2402.7	2680.7	2805.1
27.5°	561.3	539.8	524.5	526.8	587.4	794.0	1102.7	1705.5	2593.9	2968.7	3012.4
30°	556.0	529.1	506.8	499.1	539.1	718.0	1032.0	1756.9	2765.2	3126.9	3164.5
32.5°	536.8	503.7	482.2	475.3	491.5	651.2	981.4	1793.8	2916.5	3298.9	3285.8
35°	514.5	486.8	460.0	446.9	458.4	608.2	940.7	1776.1	3094.6	3432.5	3425.6
37.5°	512.2	476.1	453.8	432.3	431.6	555.2	885.4	1793.0	3208.3	3672.1	3577.6
40°	492.2	469.2	440.0	422.3	412.4	528.3	831.6	1753.1	3374.9	3768.8	3675.9
42.5°	493.0	458.4	433.1	412.4	402.4	489.1	794.8	1742.3	3433.2	3926.2	3722.0
45°	480.7	446.9	425.4	400.8	395.5	459.2	759.4	1692.4	3536.1	3933.9	3664.4
47.5°	468.4	438.5	415.4	386.2	374.0	448.4	731.8	1651.0	3482.4	3861.7	3584.5
50°	460.0	425.4	403.9	383.2	348.6	430.0	695.7	1641.0	3407.1	3764.2	3436.3
52.5°	445.4	414.7	392.4	376.3	321.0	413.1	681.9	1699.3	3499.3	3691.3	3393.3
55°	431.6	400.1	371.7	340.2	297.9	368.6	643.5	1753.9	3633.7	3859.4	3588.4
57.5°	417.0	387.0	356.3	318.7	275.7	322.5	603.6	1763.8	3381.8	3566.9	3406.4
60°	397.8	359.4	336.3	287.2	251.9	267.2	478.4	1555.0	2623.1	2978.7	2984.0
62.5°	376.3	334.8	314.8	257.2	227.3	230.4	390.1	1307.0	2127.8	2465.7	2612.4
65°	347.9	307.9	284.1	238.0	209.6	199.7	285.7	957.6	1616.4	2000.4	2167.0
67.5°	311.0	273.4	243.4	207.3	187.4	171.2	195.0	539.1	954.5	1343.0	1393.7
70°	271.8	239.6	208.1	178.2	155.9	144.4	142.8	238.8	456.1	722.6	822.4
72.5°	214.2	191.2	165.9	143.6	129.0	112.1	102.1	99.1	154.3	294.1	406.2
75°	153.6	134.4	119.8	105.2	94.5	85.2	77.6	70.6	64.5	73.7	101.4
77.5°	96.8	89.8	78.3	74.5	68.3	66.0	63.0	59.1	54.5	51.4	51.4
80°	65.3	60.7	56.8	56.1	53.8	53.0	53.8	49.9	45.3	41.5	43.0
82.5°	43.8	43.0	42.2	41.5	42.2	43.0	44.5	43.8	39.9	37.6	38.4
85°	26.1	27.6	29.2	30.7	33.8	29.9	24.6	20.7	18.4	16.9	16.1
87.5°	10.0	13.8	12.3	11.5	12.3	11.5	10.8	10.0	8.4	7.7	7.7
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: P526600

CATALOG NUMBER: GALN-SA1C-740-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3	2351.3
2.5°	2542.5	2557.8	2570.9	2567.8	2541.0	2504.9	2490.3	2415.8	2400.4	2390.4
5°	2577.0	2666.1	2685.3	2673.8	2603.9	2515.6	2429.6	2320.6	2256.8	2254.5
7.5°	2513.3	2623.1	2657.7	2683.8	2590.9	2437.3	2289.9	2126.3	2086.4	2089.4
10°	2351.3	2526.4	2611.6	2638.5	2531.7	2398.9	2194.6	2028.8	1943.5	1942.0
12.5°	2261.4	2398.9	2422.7	2460.3	2428.8	2294.5	2139.3	1953.5	1870.6	1869.0
15°	2181.6	2272.2	2279.1	2332.1	2349.0	2258.4	2153.9	1955.8	1889.0	1882.1
17.5°	2251.5	2188.5	2162.4	2169.3	2219.2	2252.2	2238.4	2086.4	2018.0	1979.6
20°	2298.3	2157.8	2078.7	2086.4	2145.5	2266.0	2364.3	2275.3	2167.0	2171.6
22.5°	2423.5	2162.4	2038.8	2030.3	2124.0	2338.2	2506.4	2514.1	2409.6	2384.3
25°	2610.8	2215.4	2026.5	2024.2	2114.0	2415.8	2672.3	2796.7	2689.9	2643.1
27.5°	2761.3	2298.3	2064.9	2072.5	2145.5	2478.8	2813.6	2978.7	2897.3	2839.7
30°	2893.4	2384.3	2118.6	2083.3	2230.0	2511.8	2874.2	3186.0	3120.7	3073.1
32.5°	2947.9	2506.4	2203.8	2145.5	2299.8	2551.7	3000.2	3387.2	3331.1	3213.6
35°	3040.1	2574.7	2249.9	2245.3	2421.9	2647.7	3059.3	3520.0	3497.0	3392.5
37.5°	3113.8	2643.9	2413.5	2362.8	2589.3	2808.9	3154.5	3703.5	3650.6	3601.4
40°	3170.6	2767.5	2566.3	2633.1	2795.1	2955.6	3242.0	3715.1	3867.9	3725.0
42.5°	3118.4	2878.1	2817.4	2977.1	3130.7	3123.0	3252.0	3804.1	3918.6	3844.1
45°	3105.4	3065.4	3214.4	3359.5	3394.9	3262.0	3180.6	3705.8	3903.2	3870.2
47.5°	3073.9	3249.7	3509.3	3745.8	3692.0	3354.9	3095.4	3688.2	3912.4	3853.3
50°	3063.1	3289.6	3727.3	3957.7	3925.5	3435.5	3055.4	3574.5	3847.1	3841.8
52.5°	3062.4	3371.8	3818.0	4072.9	4092.9	3563.0	3110.0	3632.1	3897.8	3943.1
55°	3096.9	3345.7	3806.4	4009.2	4001.5	3506.2	3116.1	3670.5	3960.0	4004.6
57.5°	2921.1	2997.1	3141.4	3301.9	3260.5	2904.2	2782.8	3393.3	3634.4	3602.2
60°	2522.5	2284.5	2121.7	2114.0	2033.4	1922.0	2277.6	3028.6	3028.6	2997.1
62.5°	2209.2	1499.7	1288.5	1228.6	1286.2	1414.5	2196.9	2945.6	2861.9	2825.8
65°	1932.0	1144.9	931.5	914.6	1014.4	1207.9	1986.5	2509.5	2362.0	2242.2
67.5°	1243.2	838.5	692.6	662.7	783.2	886.9	1322.3	1543.5	1450.5	1403.7
70°	801.7	546.0	385.5	361.7	408.5	546.7	844.7	900.0	764.8	733.3
72.5°	379.3	235.7	135.1	111.3	125.2	208.9	334.0	359.4	298.7	273.4
75°	120.6	86.8	55.3	47.6	45.3	53.8	76.8	59.1	43.0	42.2
77.5°	53.8	51.4	43.8	36.9	32.3	26.9	22.3	18.4	19.2	20.0
80°	44.5	40.7	36.1	32.3	26.9	20.7	16.1	12.3	12.3	13.1
82.5°	39.2	35.3	31.5	26.9	23.0	16.9	12.3	8.4	7.7	7.7
85°	16.9	20.0	21.5	23.0	18.4	13.8	8.4	5.4	4.6	4.6
87.5°	6.9	6.1	5.4	4.6	3.8	3.8	3.1	2.3	1.5	1.5
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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