

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: P526286

Luminaire Tested: **GALN-SA1B-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526286
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-SA1B-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS 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: 3587 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

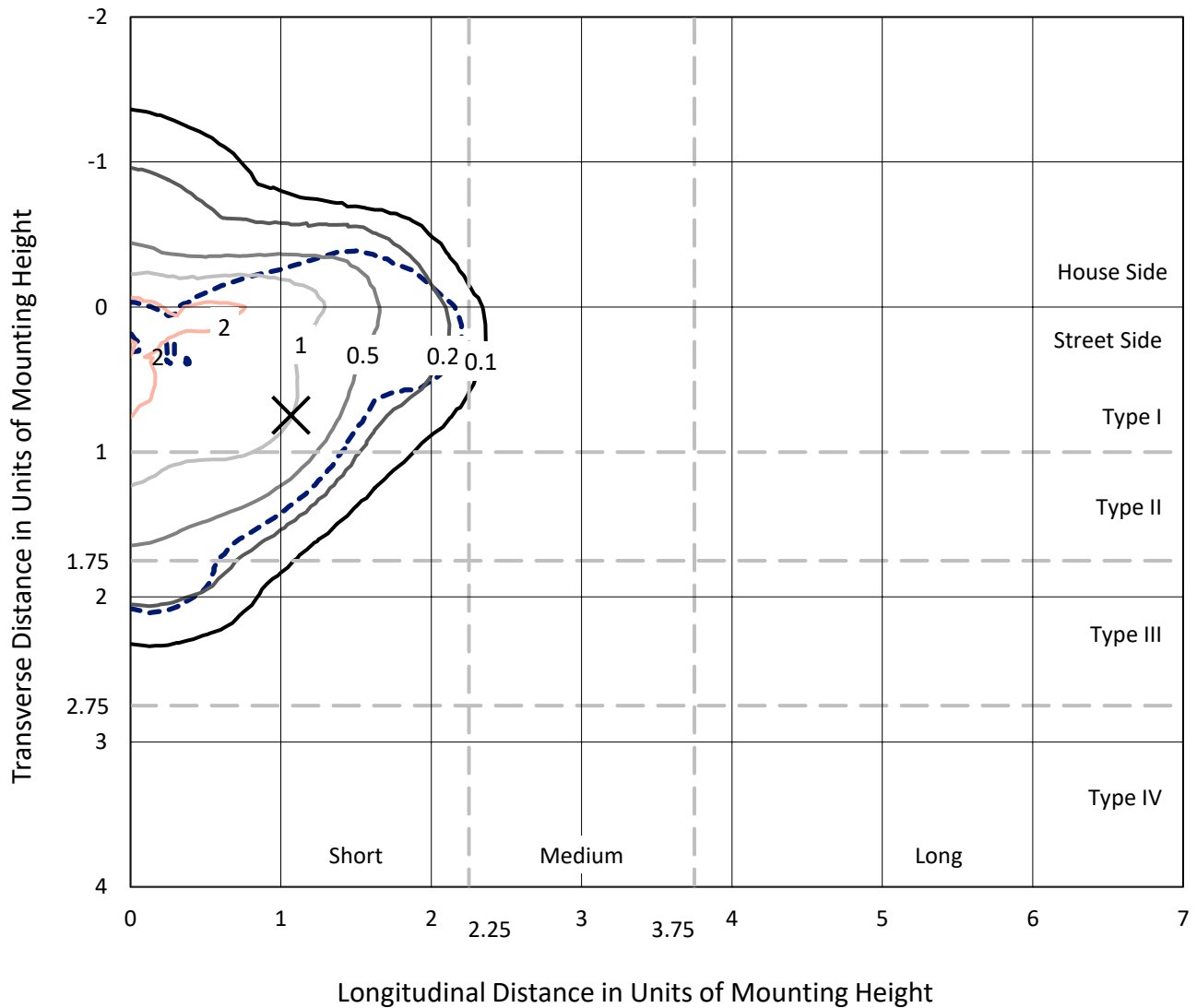
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526286
 CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

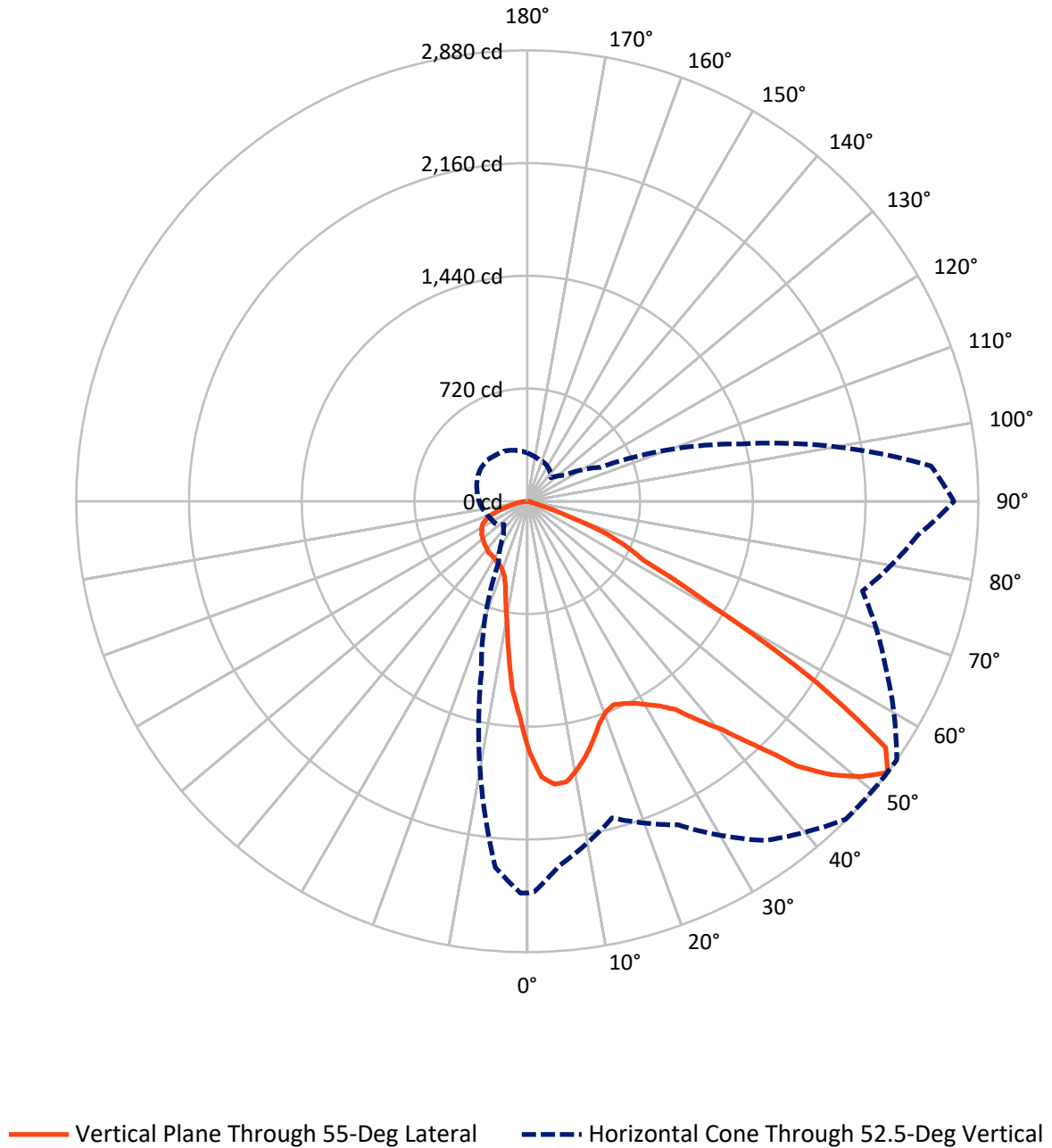
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

REPORT NUMBER: P526286
CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526286
 CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

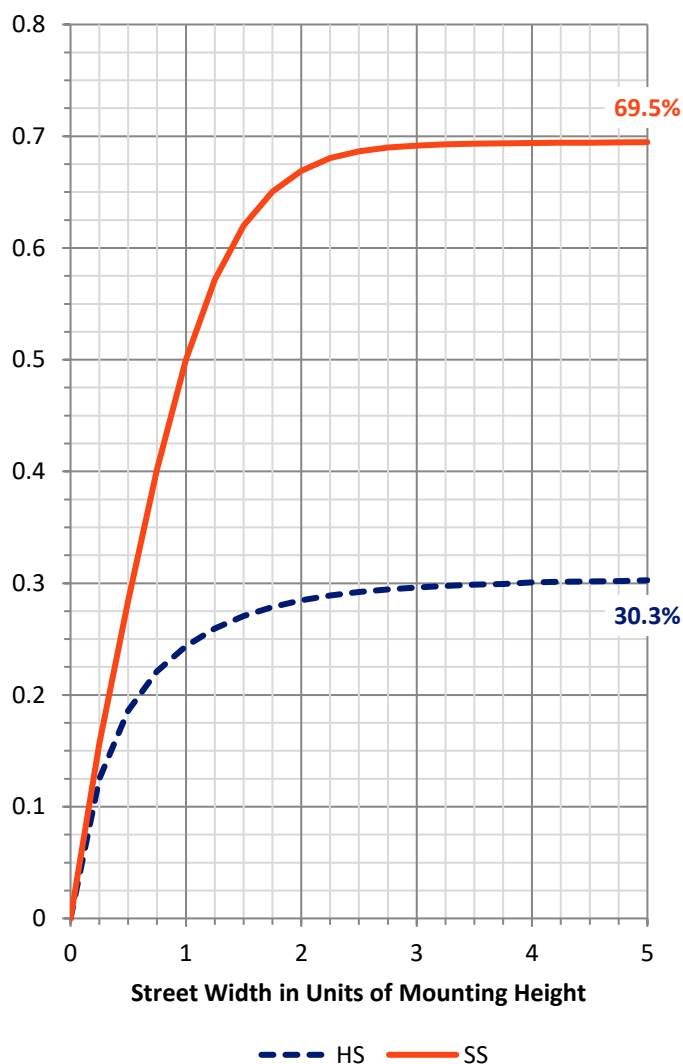
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1094.2	0.0	1094.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	2492.8	0.0	2492.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	3587.0	0.0	3587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	3.4
10°-20°	263.6	7.3
20°-30°	399.7	11.1
30°-40°	577.4	16.1
40°-50°	771.6	21.5
50°-60°	861.3	24.0
60°-70°	472.5	13.2
70°-80°	102.1	2.8
80°-90°	16.5	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°	3587.0	100.0
0°-180°	3587.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526286

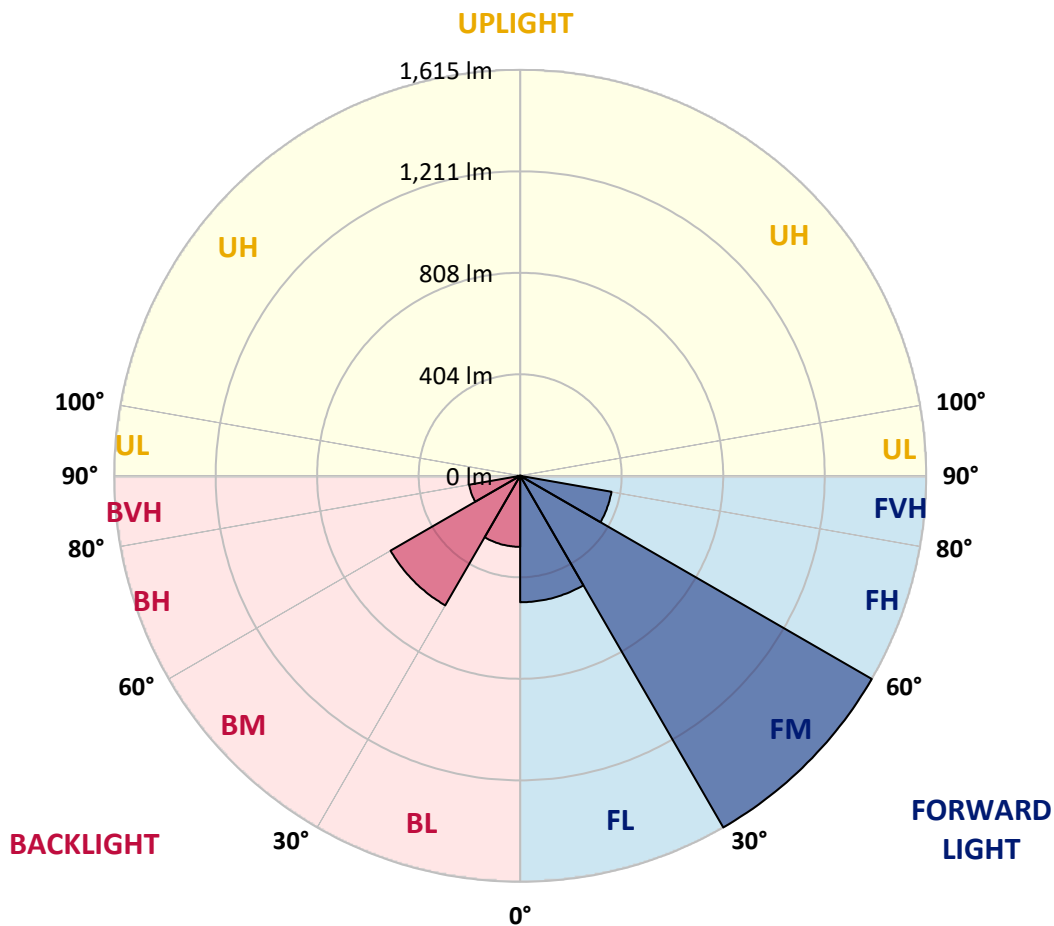
CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.0	14.0			
FM (30°-60°)	1615.0	45.0			
FH (60°-80°)	368.7	10.3			G0/660
FVH (80°-90°)	6.1	0.2			G0/10
BL (0°-30°)	282.5	7.9	B1/500		
BM (30°-60°)	595.3	16.6	B1/1000		
BH (60°-80°)	206.0	5.7	B1/500		G1/500
BVH (80°-90°)	10.4	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 II Short





REPORT NUMBER: P526286

CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1679.2	1669.7	1678.1	1717.9	1741.0	1756.7	1766.6	1765.1	1727.4	1690.7	1690.7
5°	1629.9	1617.9	1635.2	1725.3	1815.9	1823.7	1836.8	1815.3	1759.8	1692.8	1609.0
7.5°	1487.5	1496.4	1525.2	1643.6	1761.4	1820.6	1836.3	1809.1	1719.0	1593.8	1470.7
10°	1364.4	1385.3	1451.9	1579.7	1688.1	1765.1	1782.3	1744.1	1672.9	1519.4	1409.4
12.5°	1322.0	1308.9	1382.7	1510.5	1614.2	1655.6	1663.5	1666.1	1617.9	1481.7	1347.6
15°	1316.7	1325.1	1382.7	1479.6	1543.5	1545.6	1558.7	1579.1	1585.4	1507.4	1376.4
17.5°	1392.1	1382.2	1441.4	1518.4	1488.0	1457.6	1460.8	1490.1	1541.9	1529.4	1467.0
20°	1503.7	1526.2	1572.8	1565.0	1483.3	1406.3	1406.8	1434.6	1536.7	1620.5	1593.3
22.5°	1689.1	1711.1	1745.7	1650.9	1483.3	1391.1	1373.3	1411.0	1570.2	1728.9	1735.7
25°	1858.3	1898.6	1908.0	1796.5	1557.7	1405.2	1393.7	1430.9	1603.7	1834.7	1899.1
27.5°	2012.3	2026.9	2068.3	1890.2	1599.0	1414.7	1413.6	1461.3	1646.2	1887.6	2045.3
30°	2133.8	2132.2	2155.8	1949.4	1665.0	1467.6	1416.8	1506.9	1701.7	1975.1	2180.4
32.5°	2216.5	2234.3	2284.1	2031.7	1692.8	1517.8	1478.0	1560.3	1769.3	2016.5	2275.7
35°	2362.1	2393.0	2330.2	2077.2	1780.8	1567.6	1521.0	1633.1	1802.8	2061.5	2392.5
37.5°	2499.4	2475.8	2411.9	2101.8	1837.9	1659.8	1616.3	1774.0	1907.0	2159.5	2470.0
40°	2587.4	2586.8	2473.2	2121.7	1878.2	1800.7	1798.1	1917.0	2034.8	2221.3	2557.0
42.5°	2625.6	2662.3	2498.3	2119.6	1963.0	1971.4	2024.3	2130.6	2125.4	2233.8	2554.9
44°	2678.0	2700.0	2541.8	2124.4	2019.6	2086.7	2211.3	2278.9	2204.5	2227.0	2552.3
45°	2675.9	2677.4	2480.0	2130.6	2067.8	2183.0	2294.6	2408.8	2274.2	2212.4	2586.8
47.5°	2614.6	2596.8	2427.6	2084.0	2218.1	2437.6	2540.7	2609.9	2360.1	2180.9	2543.9
50°	2493.6	2473.2	2300.3	2064.1	2249.5	2595.7	2738.2	2763.3	2438.1	2150.0	2501.5
52.5°	2502.0	2496.2	2336.5	2094.0	2281.0	2645.5	2873.9	2880.1	2526.6	2215.0	2502.0
55°	2651.8	2631.9	2440.2	2131.2	2257.9	2587.4	2787.4	2776.4	2496.8	2175.7	2548.1
57.5°	2426.6	2439.7	2296.7	1984.0	1976.1	2103.4	2191.4	2164.2	2083.5	1963.6	2370.5
60°	1957.8	1995.0	2008.6	1659.3	1491.1	1425.7	1399.5	1351.3	1364.9	1613.2	2082.5
62.5°	1679.2	1677.1	1762.4	1504.2	976.8	840.1	827.5	838.5	995.7	1588.0	2039.5
65°	1331.4	1367.0	1393.2	1274.8	773.1	623.8	623.3	692.9	861.6	1327.2	1646.7
67.5°	845.3	892.0	924.4	815.5	516.9	444.1	432.1	515.9	597.1	870.5	991.5
70°	476.6	498.6	513.3	470.3	328.9	230.5	216.8	236.7	360.9	563.6	587.7
72.5°	183.8	193.8	213.7	215.3	124.1	74.4	60.2	72.3	151.9	223.1	212.6
75°	28.3	30.4	42.9	51.3	35.6	27.2	28.8	29.9	42.4	57.6	48.2
77.5°	13.6	13.6	13.1	15.2	17.8	19.4	21.0	23.0	25.1	27.8	26.7
80°	8.9	8.9	8.9	10.5	13.1	15.7	17.8	18.9	19.9	22.0	21.0
82.5°	5.8	5.8	5.8	7.9	10.5	13.1	14.1	16.8	18.9	22.0	20.4
85°	3.1	3.1	3.1	5.2	7.9	11.0	10.5	8.4	4.7	0.5	1.0
87.5°	1.0	1.0	1.0	1.0	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



REPORT NUMBER: P526286

CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1646.7	1622.6	1620.5	1571.3	1527.3	1505.8	1488.5	1440.3	1450.8	1423.0	1422.5
5°	1567.1	1517.8	1438.2	1372.8	1307.3	1294.2	1237.1	1187.4	1188.9	1153.3	1159.6
7.5°	1424.1	1390.1	1293.2	1190.5	1103.6	1041.8	987.8	955.3	914.0	899.8	892.5
10°	1333.5	1291.6	1182.6	1053.8	956.4	923.4	871.5	842.7	800.3	779.4	764.7
12.5°	1293.7	1232.4	1096.2	965.3	900.3	866.3	822.3	769.9	719.6	700.3	673.6
15°	1297.9	1224.5	1071.1	929.7	851.6	785.6	746.4	688.2	636.9	602.8	583.5
17.5°	1361.2	1272.2	1082.6	902.4	790.4	707.6	630.6	567.8	526.9	501.2	495.0
20°	1511.0	1390.1	1102.0	858.4	729.1	625.9	531.1	465.6	434.2	433.7	434.2
22.5°	1635.7	1515.8	1141.3	832.3	667.8	521.1	426.9	405.9	399.6	412.7	414.3
25°	1803.8	1657.2	1208.8	818.6	611.2	444.1	386.0	378.2	377.6	394.4	394.9
27.5°	1976.1	1780.8	1249.2	778.8	553.6	404.3	361.4	359.8	368.2	386.0	384.4
30°	2093.5	1884.5	1322.0	731.2	485.5	369.2	351.4	353.5	365.1	378.7	380.8
32.5°	2230.2	1986.6	1340.8	705.0	443.6	339.9	327.3	332.1	346.7	368.2	379.7
35°	2386.8	2058.9	1369.6	669.4	427.9	317.4	311.1	316.3	334.2	348.3	360.9
37.5°	2502.5	2186.7	1374.9	641.6	410.6	304.8	294.9	312.2	322.6	342.5	348.8
40°	2588.4	2279.4	1388.5	624.3	397.0	288.6	288.6	300.1	314.3	332.6	345.2
42.5°	2643.4	2347.0	1398.4	608.6	370.8	283.9	281.3	292.8	311.6	329.4	335.2
44°	2676.9	2375.8	1388.5	593.9	363.5	278.1	278.1	288.1	302.7	323.7	330.5
45°	2685.3	2411.9	1366.5	593.4	354.6	271.3	270.3	289.1	299.1	324.7	328.9
47.5°	2717.8	2456.4	1369.1	576.7	333.1	255.1	273.4	281.8	290.7	313.2	327.3
50°	2716.7	2484.2	1363.3	552.0	317.4	236.7	267.1	276.5	285.4	308.5	314.3
52.5°	2724.1	2587.9	1416.2	512.8	289.1	213.2	246.2	267.1	278.1	297.5	309.5
55°	2720.4	2647.1	1468.6	483.4	249.3	199.0	228.4	253.0	268.7	289.1	294.9
57.5°	2484.7	2339.6	1359.2	428.4	206.4	182.3	203.2	238.3	258.2	279.2	286.5
60°	2030.1	1803.3	1120.8	315.3	169.7	167.6	189.1	233.6	242.0	260.3	272.9
62.5°	1876.1	1581.7	888.8	240.9	145.1	153.5	174.4	211.1	224.2	246.7	258.2
65°	1468.1	1050.7	550.5	162.9	127.8	137.7	157.7	184.9	206.4	227.3	240.9
67.5°	869.4	574.0	272.4	114.2	111.6	122.0	142.5	162.9	187.5	210.6	217.4
70°	473.5	282.3	116.3	86.9	94.8	104.2	124.1	138.3	161.8	179.6	191.2
72.5°	151.9	85.9	58.1	64.4	72.3	83.3	95.3	112.6	129.4	139.8	149.3
75°	36.7	36.1	41.4	45.0	52.4	60.8	70.7	79.6	92.7	102.7	111.0
77.5°	25.7	27.8	31.9	37.2	39.8	42.9	49.2	56.0	61.8	69.1	74.4
80°	19.9	21.5	24.6	27.2	29.9	32.5	35.6	38.2	41.9	46.6	49.2
82.5°	18.9	19.9	23.0	24.6	23.6	23.0	25.1	26.2	26.7	28.3	29.9
85°	1.6	0.0	1.0	3.7	8.9	13.1	14.1	14.1	13.6	14.7	14.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.1	1.6
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: P526286

CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1416.2	1398.4	1405.2	1413.6	1401.6	1373.8	1381.1	1378.0	1406.3	1404.2	1432.5
5°	1187.4	1159.6	1162.7	1203.6	1190.5	1204.6	1176.4	1172.7	1177.9	1180.5	1185.3
7.5°	908.7	905.1	936.5	971.0	987.3	970.5	942.8	936.5	930.7	919.2	945.4
10°	741.6	742.7	740.6	766.8	785.1	781.4	764.7	762.6	751.6	747.4	762.1
12.5°	662.0	647.9	641.1	632.7	646.8	656.3	648.9	643.7	644.2	649.5	651.6
15°	585.0	576.1	561.5	552.0	558.8	554.1	551.5	562.0	559.4	558.3	570.9
17.5°	498.6	505.9	504.9	494.4	503.3	499.7	499.1	491.8	481.9	474.5	478.7
20°	441.5	455.1	465.6	466.1	470.9	470.3	462.5	440.0	432.6	431.1	432.1
22.5°	421.1	428.4	441.0	458.8	458.8	450.4	441.0	414.8	408.0	400.7	397.5
25°	404.9	419.0	435.2	437.3	445.7	437.9	422.7	409.6	395.4	385.5	385.5
27.5°	396.5	412.2	424.2	427.9	439.4	433.1	417.4	400.7	383.9	383.4	374.5
30°	392.8	407.5	415.3	424.2	429.5	419.5	414.8	397.0	380.2	376.1	361.4
32.5°	381.8	402.8	417.4	415.3	419.5	415.3	408.5	393.9	375.0	365.6	364.0
35°	369.2	390.2	405.9	416.9	419.5	410.6	406.4	386.5	360.9	356.2	339.9
37.5°	362.4	375.0	394.4	412.2	415.9	411.1	397.0	376.6	350.9	345.7	331.5
40°	354.1	370.3	385.5	400.2	411.1	399.6	383.4	363.5	352.0	336.3	332.1
42.5°	347.8	366.1	378.7	394.9	407.5	392.3	373.4	359.8	343.6	333.1	321.1
44°	345.7	362.4	370.8	390.7	401.2	389.7	374.0	359.8	341.0	331.5	321.1
45°	338.3	361.4	370.3	388.1	397.0	387.6	367.7	353.5	339.9	328.4	317.4
47.5°	331.0	346.7	361.9	376.1	382.3	379.2	362.4	345.2	328.9	322.1	311.6
50°	328.9	344.6	358.8	371.9	379.2	372.9	357.7	341.0	322.1	311.1	302.2
52.5°	318.4	337.8	353.5	357.7	367.2	363.5	352.0	333.6	315.8	306.4	299.1
55°	303.3	323.7	345.2	350.4	364.0	358.3	341.0	323.7	308.5	294.4	284.9
57.5°	297.5	317.4	338.3	345.2	353.5	344.1	339.9	321.6	297.5	290.2	275.5
60°	282.8	308.0	325.3	341.0	341.5	338.9	331.5	310.6	290.7	277.1	266.6
62.5°	271.3	294.9	308.5	323.2	332.1	324.7	317.4	298.0	276.5	261.4	249.3
65°	254.5	276.0	287.5	296.4	306.4	305.4	292.8	278.6	256.1	244.1	232.5
67.5°	228.9	247.7	263.5	271.8	278.1	276.5	267.1	257.2	234.1	222.1	213.7
70°	198.0	217.4	227.3	232.0	238.3	241.5	234.1	229.4	209.0	193.3	185.4
72.5°	159.2	171.8	186.5	190.6	193.3	195.4	195.4	191.2	170.2	163.9	150.3
75°	117.3	127.3	138.3	138.3	143.0	143.5	144.6	141.9	126.2	117.8	114.7
77.5°	79.6	86.9	95.8	99.5	102.7	102.1	101.6	94.3	85.9	82.2	79.1
80°	51.9	59.2	63.4	68.1	71.2	70.7	71.8	66.5	62.9	56.6	57.6
82.5°	30.9	36.7	40.9	46.6	46.6	48.2	48.2	46.6	42.9	39.8	39.8
85°	14.7	19.4	22.0	25.7	27.8	28.3	25.1	21.5	17.8	16.2	17.8
87.5°	2.6	3.7	5.2	4.7	5.8	5.2	5.2	5.2	5.2	4.2	4.7
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: P526286

CATALOG NUMBER: GALN-SA1B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1422.0	1448.2	1466.5	1496.9	1549.3	1591.2	1634.1	1666.1	1669.7	1679.2
5°	1202.5	1216.7	1263.3	1324.1	1367.0	1437.7	1483.3	1566.0	1596.9	1629.9
7.5°	939.1	962.1	1024.5	1065.3	1159.6	1248.1	1339.8	1441.9	1482.8	1487.5
10°	791.9	825.4	867.9	933.3	984.7	1083.1	1197.3	1311.0	1356.5	1364.4
12.5°	695.6	738.5	795.1	842.2	891.4	977.3	1086.8	1227.2	1286.3	1322.0
15°	602.8	647.4	709.7	775.2	818.6	921.3	1050.1	1208.3	1285.3	1316.7
17.5°	507.5	548.9	600.2	670.9	758.4	873.6	1044.4	1271.2	1355.5	1392.1
20°	425.8	448.9	508.6	581.4	690.8	824.9	1046.5	1363.9	1487.5	1503.7
22.5°	393.9	399.1	422.7	489.7	609.7	775.2	1083.7	1495.3	1635.7	1689.1
25°	369.2	368.2	374.5	419.5	550.5	755.8	1120.3	1616.3	1800.2	1858.3
27.5°	355.6	345.2	345.7	388.1	508.6	724.4	1167.5	1755.1	1986.6	2012.3
30°	348.8	346.7	340.4	357.7	463.0	677.2	1175.3	1891.8	2096.6	2133.8
32.5°	344.6	324.2	316.3	322.6	420.1	625.9	1204.6	1981.9	2232.8	2216.5
35°	323.7	305.4	300.1	306.4	389.7	597.1	1185.3	2060.5	2334.9	2362.1
37.5°	315.8	299.6	289.1	283.9	361.4	573.0	1175.3	2181.5	2433.9	2499.4
40°	308.5	291.2	278.6	273.4	339.4	541.0	1172.2	2274.7	2548.1	2587.4
42.5°	300.1	289.1	275.0	265.5	312.7	509.1	1136.0	2303.5	2583.2	2625.6
44°	297.5	280.7	266.1	262.9	302.2	492.9	1128.7	2329.7	2613.6	2678.0
45°	294.9	279.2	262.4	258.2	298.5	484.0	1118.7	2336.0	2663.8	2675.9
47.5°	287.5	277.6	261.4	249.8	290.7	464.6	1088.9	2300.3	2612.5	2614.6
50°	281.8	270.3	253.5	231.0	280.2	448.3	1102.5	2287.2	2488.9	2493.6
52.5°	275.5	258.2	248.8	210.0	262.9	434.7	1131.3	2346.4	2503.0	2502.0
55°	268.2	249.3	226.3	192.2	234.1	417.4	1201.0	2463.2	2634.0	2651.8
57.5°	256.6	240.4	207.4	176.5	201.1	384.4	1178.5	2239.6	2423.4	2426.6
60°	241.5	226.3	188.0	164.5	165.0	303.3	1053.8	1745.2	1912.2	1957.8
62.5°	226.8	218.4	171.8	147.2	140.4	241.5	890.9	1450.3	1641.5	1679.2
65°	209.5	189.1	157.7	134.1	120.5	169.2	631.1	1083.7	1280.6	1331.4
67.5°	187.5	165.5	138.8	117.8	103.2	113.1	325.8	615.9	815.5	845.3
70°	163.9	143.5	116.8	99.5	83.3	78.0	143.5	293.8	445.7	476.6
72.5°	134.6	115.8	93.2	78.6	62.3	53.9	48.2	78.6	158.2	183.8
75°	97.4	84.3	70.2	56.0	44.0	34.6	28.3	23.6	26.2	28.3
77.5°	71.8	61.3	51.9	39.8	30.9	24.6	19.4	14.7	14.1	13.6
80°	56.0	49.8	41.4	31.9	24.1	18.3	13.6	10.0	8.9	8.9
82.5°	44.0	40.9	34.0	26.2	19.9	14.7	10.0	6.8	5.8	5.8
85°	16.8	16.8	24.6	21.5	15.2	10.5	6.8	3.7	3.1	3.1
87.5°	4.2	4.2	4.2	4.2	3.7	3.1	3.1	1.6	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)