

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: P526338

Luminaire Tested: **GALN-SA1B-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526338
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-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 3994 lumens
Efficiency: N/A
Efficacy: 90.8 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

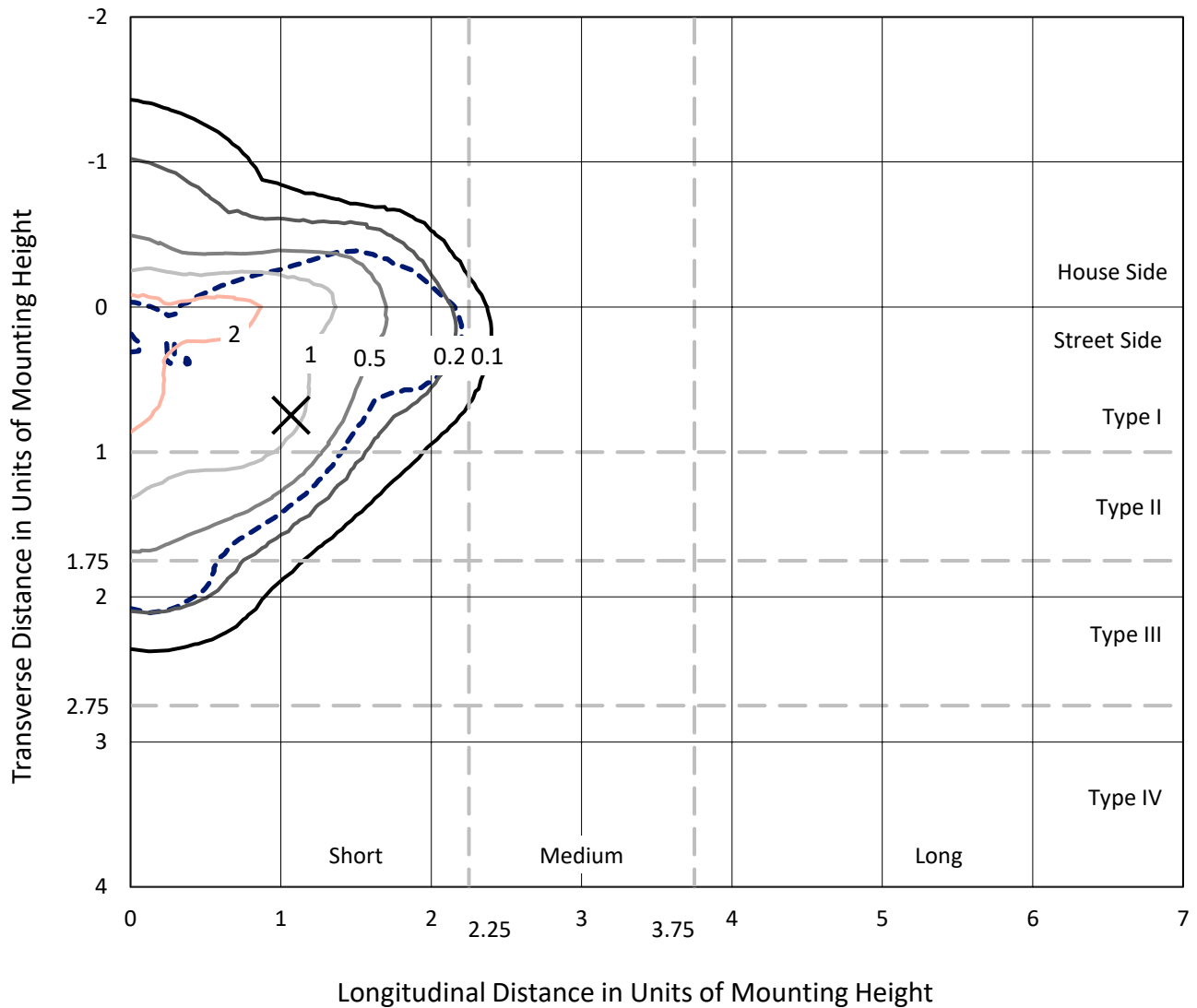
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526338
 CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

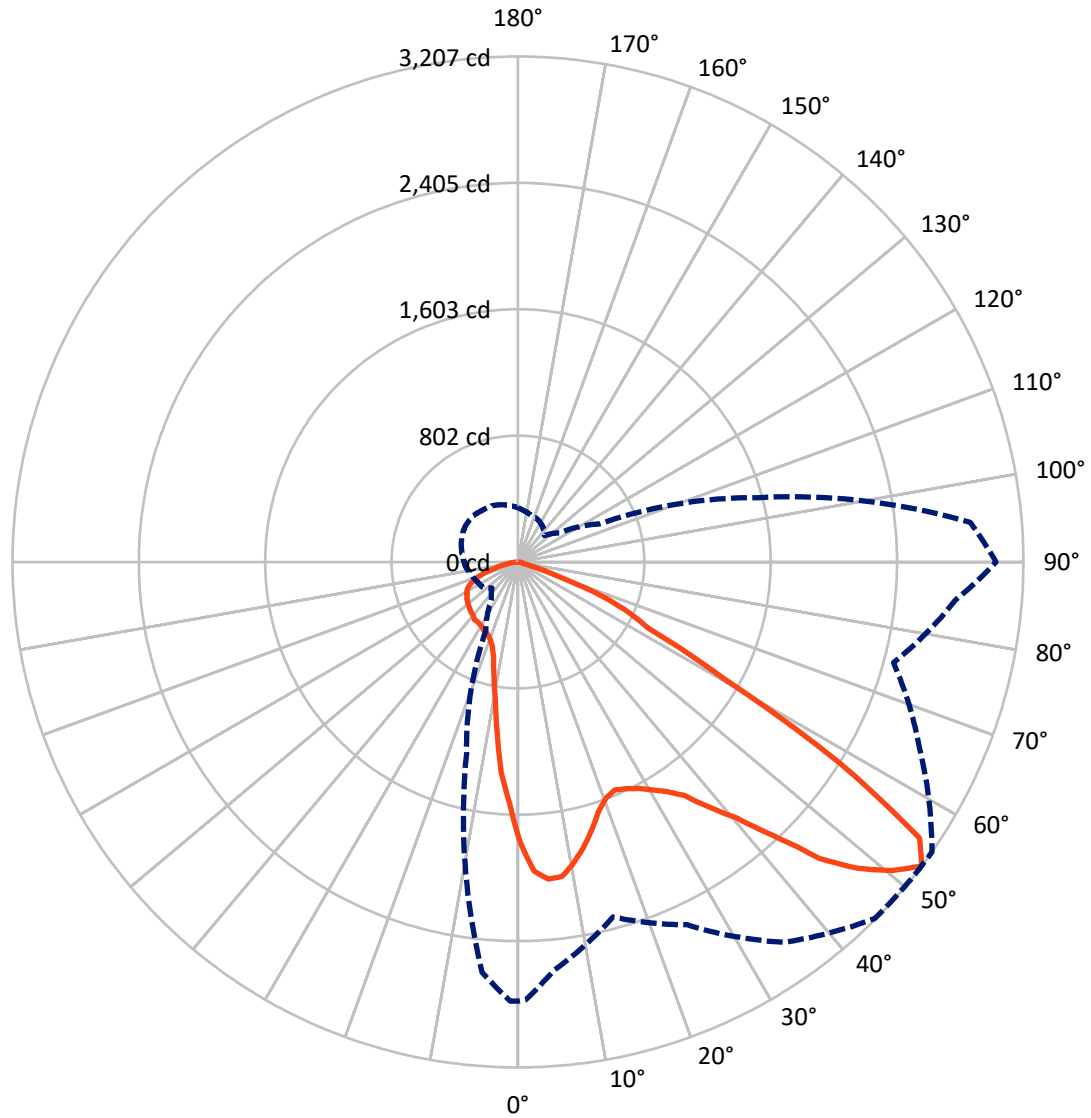
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

REPORT NUMBER: P526338
CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P526338
 CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1218.4	0.0	1218.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	2775.6	0.0	2775.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	3994.0	0.0	3994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	3.4
10°-20°	293.5	7.3
20°-30°	445.0	11.1
30°-40°	643.0	16.1
40°-50°	859.2	21.5
50°-60°	959.0	24.0
60°-70°	526.1	13.2
70°-80°	113.7	2.8
80°-90°	18.4	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°	3994.0	100.0
0°-180°	3994.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526338

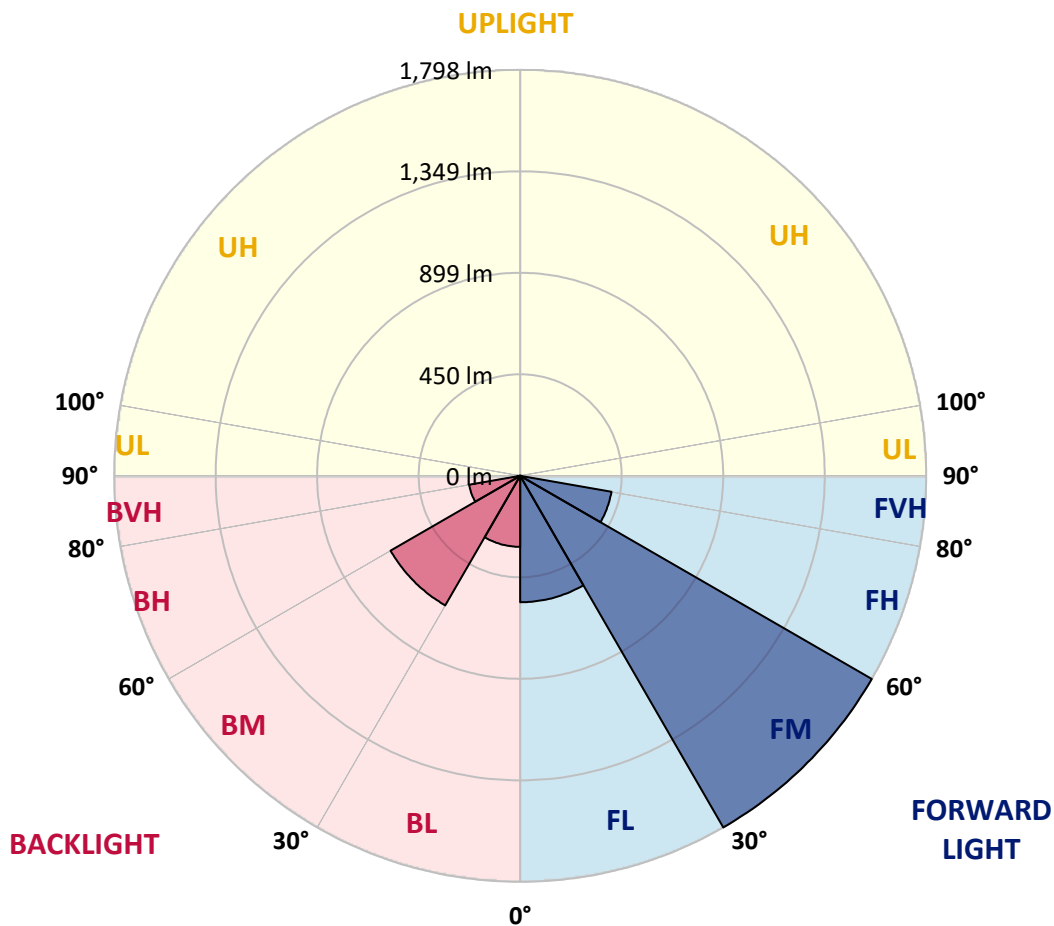
CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.0	14.0			
FM (30°-60°)	1798.3	45.0			
FH (60°-80°)	410.5	10.3			G0/660
FVH (80°-90°)	6.8	0.2			G0/10
BL (0°-30°)	314.6	7.9	B1/500		
BM (30°-60°)	662.9	16.6	B1/1000		
BH (60°-80°)	229.3	5.7	B1/500		G1/500
BVH (80°-90°)	11.6	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: P526338

CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1869.7	1859.2	1868.5	1912.8	1938.5	1956.0	1967.1	1965.3	1923.3	1882.5	1882.5
5°	1814.9	1801.5	1820.7	1921.0	2021.9	2030.7	2045.2	2021.3	1959.5	1884.9	1791.5
7.5°	1656.2	1666.2	1698.2	1830.0	1961.3	2027.2	2044.6	2014.3	1914.0	1774.6	1637.6
10°	1519.2	1542.5	1616.6	1758.9	1879.6	1965.3	1984.6	1942.0	1862.7	1691.8	1569.4
12.5°	1472.0	1457.4	1539.6	1681.9	1797.4	1843.5	1852.2	1855.1	1801.5	1649.8	1500.5
15°	1466.1	1475.5	1539.6	1647.5	1718.6	1721.0	1735.6	1758.3	1765.3	1678.4	1532.6
17.5°	1550.1	1539.0	1604.9	1690.7	1656.8	1623.0	1626.5	1659.2	1716.9	1702.9	1633.5
20°	1674.3	1699.4	1751.3	1742.6	1651.6	1565.9	1566.4	1597.3	1711.1	1804.4	1774.1
22.5°	1880.8	1905.3	1943.8	1838.2	1651.6	1548.9	1529.1	1571.1	1748.4	1925.1	1932.7
25°	2069.1	2114.0	2124.5	2000.3	1734.4	1564.7	1551.9	1593.3	1785.7	2042.9	2114.6
27.5°	2240.6	2256.9	2303.0	2104.7	1780.5	1575.2	1574.0	1627.1	1833.0	2101.8	2277.3
30°	2375.9	2374.1	2400.4	2170.6	1853.9	1634.1	1577.5	1677.8	1894.8	2199.2	2427.8
32.5°	2468.0	2487.9	2543.3	2262.2	1884.9	1690.1	1645.8	1737.3	1970.0	2245.3	2533.9
35°	2630.2	2664.6	2594.6	2312.9	1982.8	1745.5	1693.6	1818.4	2007.3	2295.4	2664.0
37.5°	2783.0	2756.7	2685.6	2340.3	2046.4	1848.1	1799.7	1975.3	2123.4	2404.5	2750.3
40°	2880.9	2880.4	2753.8	2362.5	2091.3	2005.0	2002.1	2134.5	2265.7	2473.3	2847.1
42.5°	2923.5	2964.3	2781.8	2360.2	2185.8	2195.1	2254.0	2372.4	2366.6	2487.3	2844.8
44°	2981.8	3006.3	2830.2	2365.4	2248.8	2323.4	2462.2	2537.4	2454.6	2479.7	2841.9
45°	2979.5	2981.2	2761.4	2372.4	2302.4	2430.7	2554.9	2682.1	2532.2	2463.4	2880.4
47.5°	2911.3	2891.4	2703.1	2320.5	2469.8	2714.1	2829.0	2906.0	2627.8	2428.4	2832.5
50°	2776.5	2753.8	2561.4	2298.3	2504.8	2890.3	3048.9	3076.9	2714.7	2394.0	2785.3
52.5°	2785.9	2779.5	2601.6	2331.6	2539.8	2945.7	3199.9	3206.9	2813.3	2466.3	2785.9
55°	2952.7	2930.5	2717.1	2373.0	2514.1	2880.9	3103.7	3091.5	2780.0	2422.6	2837.2
57.5°	2701.9	2716.5	2557.3	2209.1	2200.4	2342.1	2440.0	2409.7	2319.9	2186.4	2639.5
60°	2179.9	2221.4	2236.5	1847.5	1660.3	1587.4	1558.3	1504.6	1519.8	1796.2	2318.7
62.5°	1869.7	1867.4	1962.4	1674.9	1087.6	935.4	921.4	933.7	1108.6	1768.2	2270.9
65°	1482.5	1522.1	1551.3	1419.5	860.8	694.6	694.0	771.6	959.3	1477.8	1833.5
67.5°	941.3	993.2	1029.3	908.0	575.6	494.5	481.1	574.4	664.8	969.3	1104.0
70°	530.7	555.2	571.5	523.7	366.2	256.6	241.4	263.6	401.8	627.5	654.3
72.5°	204.7	215.8	237.9	239.7	138.2	82.8	67.1	80.5	169.1	248.4	236.8
75°	31.5	33.8	47.8	57.2	39.7	30.3	32.1	33.2	47.2	64.2	53.7
77.5°	15.2	15.2	14.6	16.9	19.8	21.6	23.3	25.7	28.0	30.9	29.7
80°	9.9	9.9	9.9	11.7	14.6	17.5	19.8	21.0	22.2	24.5	23.3
82.5°	6.4	6.4	6.4	8.7	11.7	14.6	15.7	18.7	21.0	24.5	22.7
85°	3.5	3.5	3.5	5.8	8.7	12.2	11.7	9.3	5.2	0.6	1.2
87.5°	1.2	1.2	1.2	1.2	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: P526338

CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1833.5	1806.7	1804.4	1749.6	1700.6	1676.7	1657.4	1603.8	1615.4	1584.5	1583.9
5°	1744.9	1690.1	1601.4	1528.5	1455.6	1441.1	1377.5	1322.1	1323.8	1284.2	1291.2
7.5°	1585.7	1547.8	1439.9	1325.6	1228.8	1160.0	1099.9	1063.7	1017.7	1001.9	993.7
10°	1484.8	1438.1	1316.8	1173.4	1064.9	1028.2	970.4	938.3	891.1	867.8	851.5
12.5°	1440.5	1372.2	1220.6	1074.8	1002.5	964.6	915.6	857.3	801.3	779.7	750.0
15°	1445.1	1363.5	1192.6	1035.2	948.3	874.8	831.0	766.3	709.2	671.2	649.7
17.5°	1515.7	1416.6	1205.4	1004.8	880.0	787.9	702.2	632.2	586.7	558.1	551.1
20°	1682.5	1547.8	1227.0	955.8	811.8	696.9	591.4	518.5	483.5	482.9	483.5
22.5°	1821.3	1687.7	1270.8	926.7	743.6	580.3	475.3	452.0	445.0	459.6	461.3
25°	2008.5	1845.2	1346.0	911.5	680.6	494.5	429.8	421.1	420.5	439.1	439.7
27.5°	2200.4	1982.8	1390.9	867.2	616.4	450.2	402.4	400.6	410.0	429.8	428.1
30°	2331.0	2098.3	1472.0	814.1	540.6	411.1	391.3	393.7	406.5	421.6	424.0
32.5°	2483.2	2212.0	1493.0	785.0	494.0	378.5	364.5	369.7	386.1	410.0	422.8
35°	2657.6	2292.5	1525.0	745.3	476.5	353.4	346.4	352.2	372.1	387.8	401.8
37.5°	2786.5	2434.8	1530.9	714.4	457.2	339.4	328.3	347.6	359.2	381.4	388.4
40°	2882.1	2538.0	1546.0	695.2	442.1	321.3	321.3	334.2	349.9	370.3	384.3
42.5°	2943.3	2613.3	1557.1	677.7	412.9	316.1	313.2	326.0	347.0	366.8	373.2
44°	2980.7	2645.3	1546.0	661.3	404.7	309.7	309.7	320.8	337.1	360.4	368.0
45°	2990.0	2685.6	1521.5	660.7	394.8	302.1	300.9	321.9	333.0	361.6	366.2
47.5°	3026.2	2735.1	1524.4	642.1	370.9	284.0	304.4	313.8	323.7	348.7	364.5
50°	3025.0	2766.1	1518.0	614.7	353.4	263.6	297.4	307.9	317.8	343.5	349.9
52.5°	3033.1	2881.5	1576.9	570.9	321.9	237.4	274.1	297.4	309.7	331.2	344.7
55°	3029.1	2947.4	1635.3	538.3	277.6	221.6	254.3	281.7	299.2	321.9	328.3
57.5°	2766.6	2605.1	1513.4	477.0	229.8	202.9	226.3	265.3	287.5	310.8	319.0
60°	2260.4	2007.9	1248.0	351.1	189.0	186.6	210.5	260.1	269.4	289.8	303.8
62.5°	2089.0	1761.2	989.7	268.3	161.5	170.9	194.2	235.0	249.6	274.7	287.5
65°	1634.7	1169.9	612.9	181.4	142.3	153.4	175.5	205.9	229.8	253.1	268.3
67.5°	968.1	639.2	303.3	127.1	124.2	135.9	158.6	181.4	208.8	234.4	242.0
70°	527.2	314.3	129.5	96.8	105.6	116.1	138.2	154.0	180.2	200.0	212.9
72.5°	169.1	95.6	64.7	71.7	80.5	92.7	106.1	125.4	144.0	155.7	166.2
75°	40.8	40.2	46.1	50.2	58.3	67.6	78.7	88.6	103.2	114.3	123.6
77.5°	28.6	30.9	35.6	41.4	44.3	47.8	54.8	62.4	68.8	77.0	82.8
80°	22.2	23.9	27.4	30.3	33.2	36.2	39.7	42.6	46.7	51.9	54.8
82.5°	21.0	22.2	25.7	27.4	26.2	25.7	28.0	29.2	29.7	31.5	33.2
85°	1.7	0.0	1.2	4.1	9.9	14.6	15.7	15.7	15.2	16.3	16.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.3	1.7
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: P526338

CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1576.9	1557.1	1564.7	1574.0	1560.6	1529.7	1537.9	1534.4	1565.9	1563.5	1595.0
5°	1322.1	1291.2	1294.7	1340.2	1325.6	1341.3	1309.8	1305.8	1311.6	1314.5	1319.7
7.5°	1011.8	1007.7	1042.7	1081.2	1099.3	1080.6	1049.7	1042.7	1036.3	1023.5	1052.7
10°	825.8	827.0	824.6	853.8	874.2	870.1	851.5	849.1	836.9	832.2	848.5
12.5°	737.1	721.4	713.8	704.5	720.2	730.7	722.6	716.7	717.3	723.2	725.5
15°	651.4	641.5	625.2	614.7	622.3	617.0	614.1	625.8	622.8	621.7	635.7
17.5°	555.2	563.4	562.2	550.5	560.4	556.4	555.8	547.6	536.5	528.4	533.0
20°	491.6	506.8	518.5	519.0	524.3	523.7	515.0	489.9	481.7	480.0	481.1
22.5°	468.9	477.0	491.0	510.9	510.9	501.5	491.0	461.9	454.3	446.1	442.6
25°	450.8	466.5	484.6	487.0	496.3	487.5	470.6	456.1	440.3	429.2	429.2
27.5°	441.5	459.0	472.4	476.5	489.3	482.3	464.8	446.1	427.5	426.9	417.0
30°	437.4	453.7	462.5	472.4	478.2	467.1	461.9	442.1	423.4	418.7	402.4
32.5°	425.1	448.5	464.8	462.5	467.1	462.5	454.9	438.6	417.6	407.1	405.3
35°	411.1	434.5	452.0	464.2	467.1	457.2	452.6	430.4	401.8	396.6	378.5
37.5°	403.6	417.6	439.1	459.0	463.0	457.8	442.1	419.3	390.7	384.9	369.2
40°	394.2	412.3	429.2	445.6	457.8	445.0	426.9	404.7	391.9	374.4	369.7
42.5°	387.2	407.6	421.6	439.7	453.7	436.8	415.8	400.6	382.6	370.9	357.5
44°	384.9	403.6	412.9	435.1	446.7	433.9	416.4	400.6	379.7	369.2	357.5
45°	376.7	402.4	412.3	432.1	442.1	431.6	409.4	393.7	378.5	365.7	353.4
47.5°	368.6	386.1	403.0	418.7	425.7	422.2	403.6	384.3	366.2	358.7	347.0
50°	366.2	383.7	399.5	414.1	422.2	415.2	398.3	379.7	358.7	346.4	336.5
52.5°	354.6	376.2	393.7	398.3	408.8	404.7	391.9	371.5	351.7	341.2	333.0
55°	337.7	360.4	384.3	390.2	405.3	398.9	379.7	360.4	343.5	327.8	317.3
57.5°	331.2	353.4	376.7	384.3	393.7	383.2	378.5	358.1	331.2	323.1	306.8
60°	314.9	342.9	362.2	379.7	380.2	377.3	369.2	345.8	323.7	308.5	296.8
62.5°	302.1	328.3	343.5	359.8	369.7	361.6	353.4	331.8	307.9	291.0	277.6
65°	283.4	307.3	320.2	330.1	341.2	340.0	326.0	310.3	285.2	271.8	258.9
67.5°	254.9	275.8	293.3	302.7	309.7	307.9	297.4	286.3	260.7	247.3	237.9
70°	220.4	242.0	253.1	258.4	265.3	268.8	260.7	255.4	232.7	215.2	206.4
72.5°	177.3	191.3	207.6	212.3	215.2	217.5	217.5	212.9	189.5	182.5	167.4
75°	130.6	141.7	154.0	154.0	159.2	159.8	161.0	158.0	140.5	131.2	127.7
77.5°	88.6	96.8	106.7	110.8	114.3	113.7	113.1	105.0	95.6	91.6	88.1
80°	57.7	65.9	70.6	75.8	79.3	78.7	79.9	74.1	70.0	63.0	64.2
82.5°	34.4	40.8	45.5	51.9	51.9	53.7	53.7	51.9	47.8	44.3	44.3
85°	16.3	21.6	24.5	28.6	30.9	31.5	28.0	23.9	19.8	18.1	19.8
87.5°	2.9	4.1	5.8	5.2	6.4	5.8	5.8	5.8	5.8	4.7	5.2
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: P526338

CATALOG NUMBER: GALN-SA1B-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1583.3	1612.5	1632.9	1666.7	1725.1	1771.7	1819.5	1855.1	1859.2	1869.7
5°	1339.0	1354.7	1406.6	1474.3	1522.1	1600.8	1651.6	1743.7	1778.1	1814.9
7.5°	1045.7	1071.3	1140.7	1186.2	1291.2	1389.7	1491.8	1605.5	1651.0	1656.2
10°	881.8	919.1	966.3	1039.2	1096.4	1206.0	1333.2	1459.7	1510.5	1519.2
12.5°	774.5	822.3	885.3	937.8	992.6	1088.2	1210.1	1366.4	1432.3	1472.0
15°	671.2	720.8	790.2	863.1	911.5	1025.8	1169.3	1345.4	1431.1	1466.1
17.5°	565.1	611.2	668.3	747.1	844.5	972.8	1162.9	1415.4	1509.3	1550.1
20°	474.1	499.8	566.3	647.3	769.2	918.5	1165.2	1518.6	1656.2	1674.3
22.5°	438.6	444.4	470.6	545.3	678.8	863.1	1206.6	1665.0	1821.3	1880.8
25°	411.1	410.0	417.0	467.1	612.9	841.5	1247.4	1799.7	2004.4	2069.1
27.5°	396.0	384.3	384.9	432.1	566.3	806.5	1299.9	1954.3	2212.0	2240.6
30°	388.4	386.1	379.1	398.3	515.5	754.1	1308.7	2106.5	2334.5	2375.9
32.5°	383.7	361.0	352.2	359.2	467.7	696.9	1341.3	2206.8	2486.1	2468.0
35°	360.4	340.0	334.2	341.2	433.9	664.8	1319.7	2294.3	2599.8	2630.2
37.5°	351.7	333.6	321.9	316.1	402.4	638.0	1308.7	2429.0	2710.1	2783.0
40°	343.5	324.3	310.3	304.4	377.9	602.4	1305.2	2532.8	2837.2	2880.9
42.5°	334.2	321.9	306.2	295.7	348.2	566.9	1264.9	2564.9	2876.3	2923.5
44°	331.2	312.6	296.3	292.8	336.5	548.8	1256.8	2594.0	2910.1	2981.8
45°	328.3	310.8	292.2	287.5	332.4	538.9	1245.7	2601.0	2966.1	2979.5
47.5°	320.2	309.1	291.0	278.2	323.7	517.3	1212.4	2561.4	2908.9	2911.3
50°	313.8	300.9	282.3	257.2	312.0	499.2	1227.6	2546.8	2771.3	2776.5
52.5°	306.8	287.5	277.0	233.9	292.8	484.0	1259.7	2612.7	2787.0	2785.9
55°	298.6	277.6	251.9	214.0	260.7	464.8	1337.2	2742.7	2932.8	2952.7
57.5°	285.8	267.7	230.9	196.5	223.9	428.1	1312.2	2493.7	2698.4	2701.9
60°	268.8	251.9	209.4	183.1	183.7	337.7	1173.4	1943.2	2129.2	2179.9
62.5°	252.5	243.2	191.3	163.9	156.3	268.8	992.0	1614.8	1827.7	1869.7
65°	233.3	210.5	175.5	149.3	134.1	188.4	702.7	1206.6	1425.9	1482.5
67.5°	208.8	184.3	154.5	131.2	114.9	126.0	362.7	685.8	908.0	941.3
70°	182.5	159.8	130.1	110.8	92.7	86.9	159.8	327.2	496.3	530.7
72.5°	149.9	128.9	103.8	87.5	69.4	60.1	53.7	87.5	176.1	204.7
75°	108.5	93.9	78.1	62.4	49.0	38.5	31.5	26.2	29.2	31.5
77.5°	79.9	68.2	57.7	44.3	34.4	27.4	21.6	16.3	15.7	15.2
80°	62.4	55.4	46.1	35.6	26.8	20.4	15.2	11.1	9.9	9.9
82.5°	49.0	45.5	37.9	29.2	22.2	16.3	11.1	7.6	6.4	6.4
85°	18.7	18.7	27.4	23.9	16.9	11.7	7.6	4.1	3.5	3.5
87.5°	4.7	4.7	4.7	4.7	4.1	3.5	3.5	1.7	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)