

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: P526912

Luminaire Tested: **GALN-SA1D-827-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526912
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-827-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 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: 4285 lumens
Efficiency: N/A
Efficacy: 65.9 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

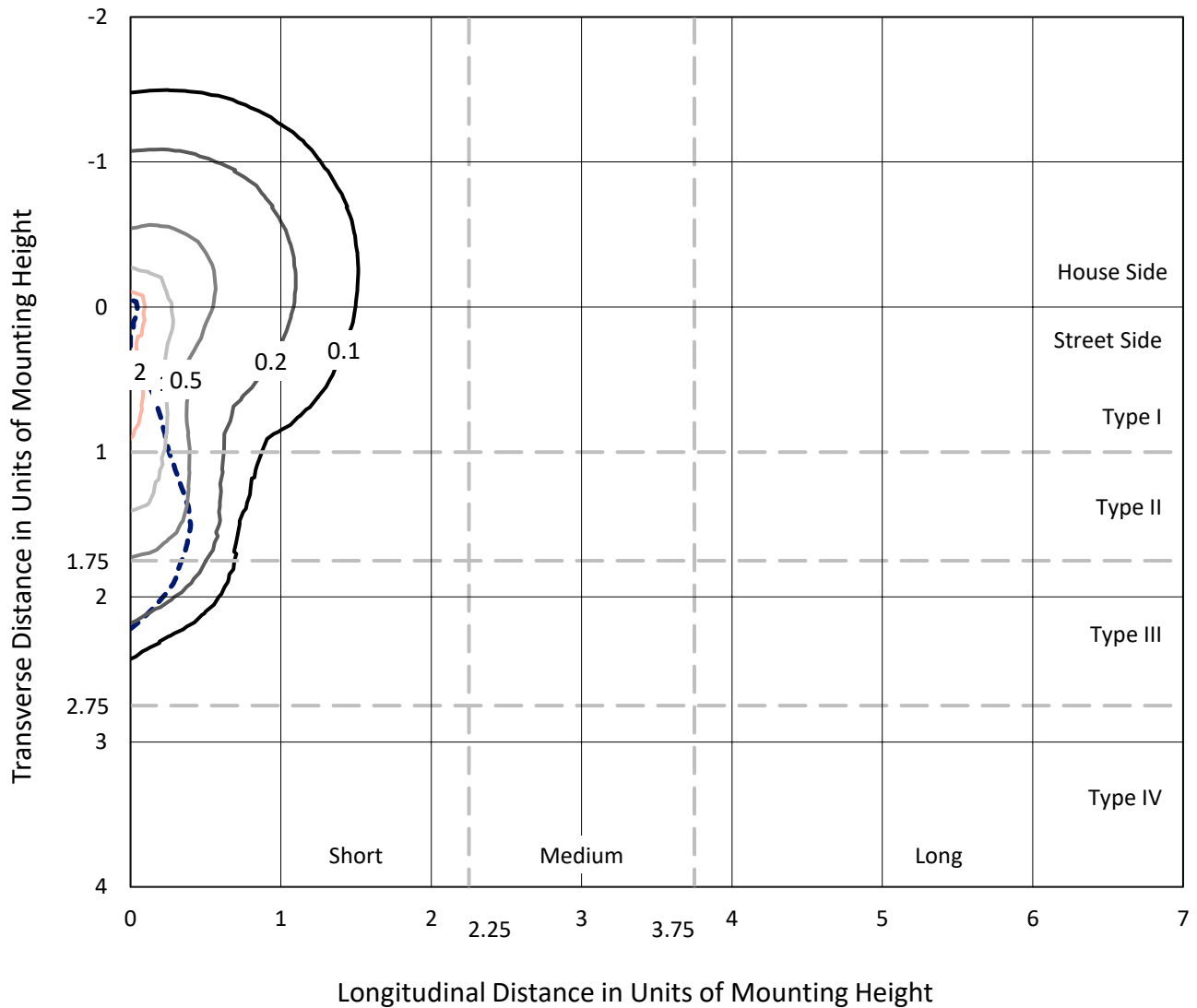
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526912
 CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

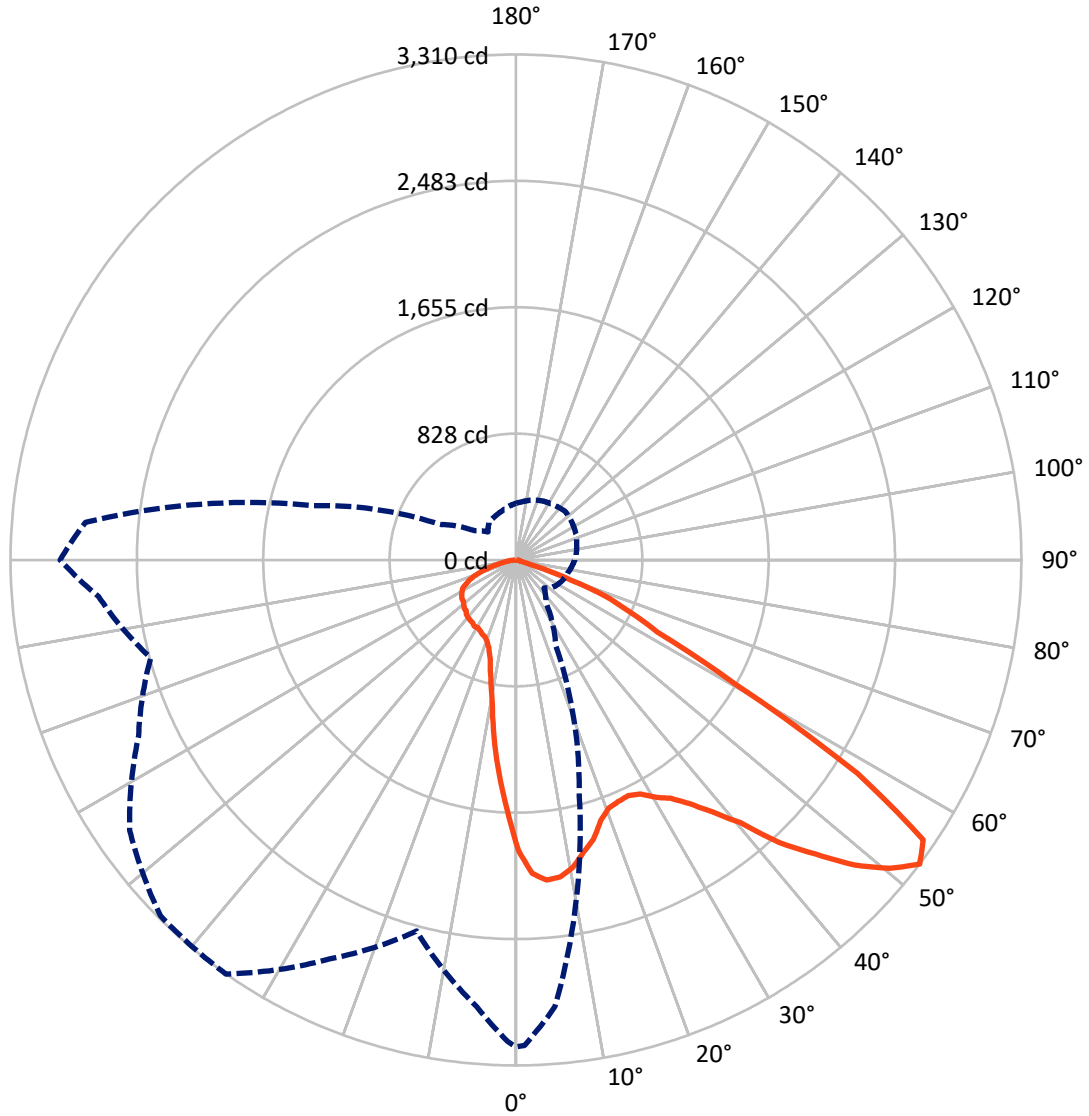
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526912
CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526912
 CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

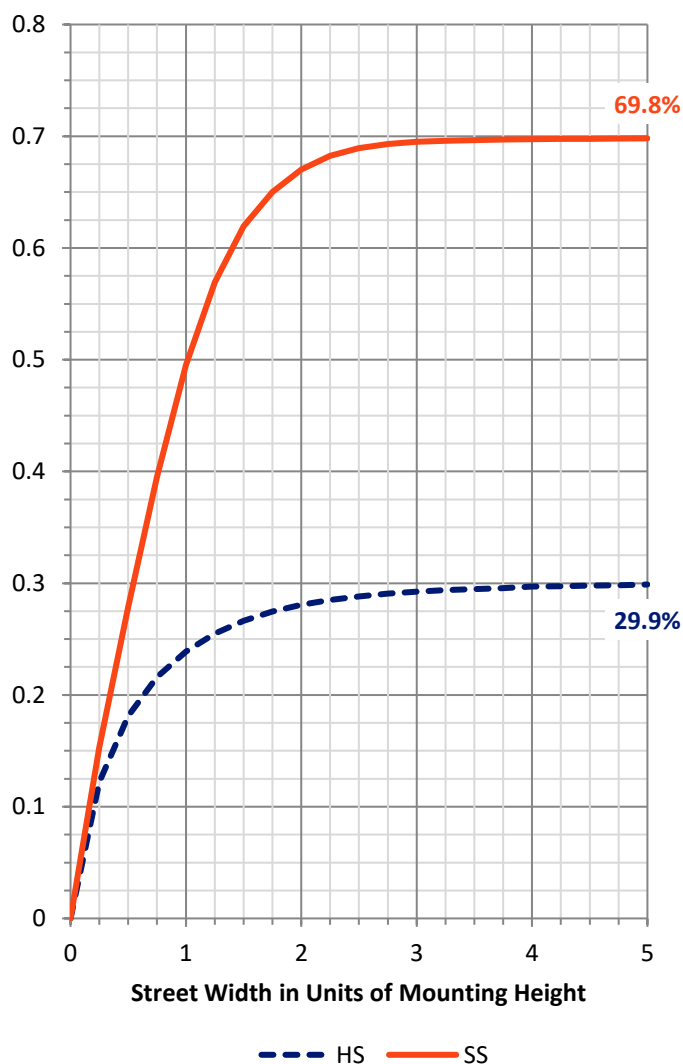
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.7	0.0	1291.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2993.3	0.0	2993.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	4285.0	0.0	4285.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	3.4
10°-20°	314.5	7.3
20°-30°	475.2	11.1
30°-40°	686.7	16.0
40°-50°	913.9	21.3
50°-60°	1022.2	23.9
60°-70°	576.1	13.4
70°-80°	128.4	3.0
80°-90°	22.9	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°	4285.0	100.0
0°-180°	4285.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526912

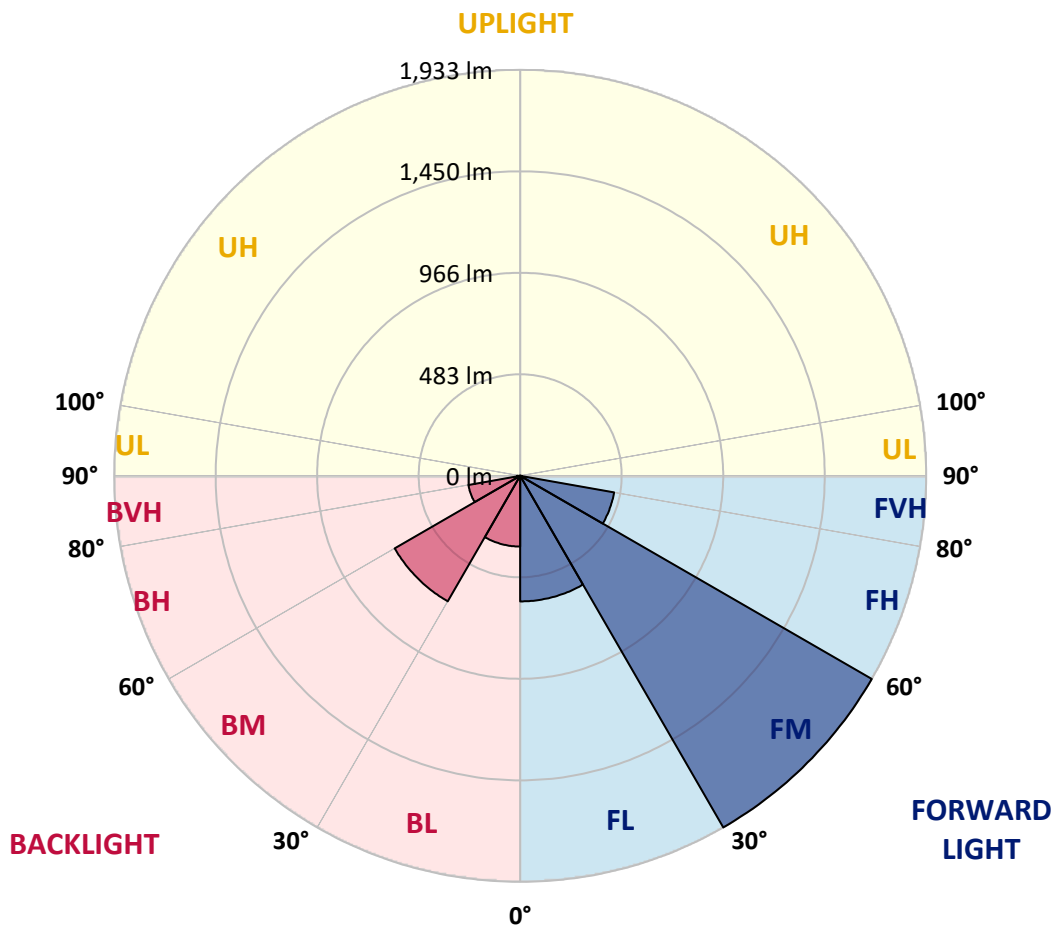
CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.0	14.0			
FM (30°-60°)	1932.9	45.1			
FH (60°-80°)	454.1	10.6			G0/660
FVH (80°-90°)	8.3	0.2			G0/10
BL (0°-30°)	336.9	7.9	B1/500		
BM (30°-60°)	689.9	16.1	B1/1000		
BH (60°-80°)	250.4	5.8	B1/500		G1/500
BVH (80°-90°)	14.6	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 III Short





REPORT NUMBER: P526912

CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7
2.5°	1933.4	1964.4	1930.9	1871.3	1829.0	1790.5	1750.2	1742.1	1689.3	1680.0	1641.5
5°	1823.5	1816.6	1775.6	1697.4	1611.0	1532.8	1475.0	1419.1	1381.3	1337.2	1334.1
7.5°	1689.9	1650.2	1626.6	1508.0	1401.1	1278.2	1225.4	1140.3	1113.6	1073.8	1053.3
10°	1570.7	1541.5	1486.2	1367.6	1218.5	1137.2	1080.7	1034.7	1003.6	962.7	911.1
12.5°	1511.7	1499.9	1437.8	1253.9	1143.4	1056.4	1016.7	972.0	919.2	853.3	827.9
15°	1522.2	1482.5	1435.3	1232.2	1079.4	995.6	932.2	876.3	808.6	745.9	709.3
17.5°	1601.1	1570.7	1476.3	1245.9	1055.2	934.1	819.2	736.6	675.7	619.2	593.7
20°	1756.4	1712.3	1606.1	1263.3	1003.0	848.4	716.7	614.9	549.6	519.8	511.1
22.5°	1928.4	1902.3	1732.8	1302.4	961.4	768.9	608.0	506.2	481.9	473.9	490.0
25°	2137.7	2070.0	1929.7	1366.3	929.1	701.2	516.1	459.6	447.2	455.2	473.9
27.5°	2296.7	2278.7	2067.5	1426.6	885.0	619.8	464.6	427.3	431.0	439.1	456.5
30°	2485.5	2394.2	2201.1	1468.2	845.3	563.9	428.5	418.6	422.3	436.0	444.7
32.5°	2599.2	2565.0	2284.9	1530.9	799.3	515.5	400.6	391.3	396.9	417.4	437.9
35°	2743.9	2676.2	2388.6	1547.1	767.0	496.2	380.7	373.9	386.9	401.2	424.2
37.5°	2912.8	2866.2	2532.1	1535.9	749.6	476.4	363.9	360.8	370.2	390.0	416.7
40°	3012.8	2998.5	2607.2	1542.7	722.3	459.0	344.7	348.4	367.7	383.2	409.3
42.5°	3109.1	3015.9	2718.4	1540.2	704.9	435.4	346.6	342.2	357.1	375.1	400.0
45°	3130.2	3037.6	2744.5	1522.9	683.8	412.4	332.3	334.1	352.1	374.5	390.7
47.5°	3116.5	3048.2	2792.9	1517.9	663.9	396.2	311.2	333.5	344.1	362.1	385.1
50°	3107.2	3103.5	2833.9	1541.5	637.2	370.8	285.7	325.4	336.0	354.0	378.9
52.5°	3189.2	3181.1	2936.4	1603.6	616.1	343.5	259.6	304.9	330.4	347.8	372.0
55°	3238.9	3203.5	3112.2	1680.0	580.7	307.4	241.6	279.5	316.7	332.3	357.1
57.5°	2913.4	2889.2	2815.3	1568.2	521.1	260.2	219.2	253.4	298.1	322.3	347.8
60°	2424.0	2386.1	2196.7	1332.8	384.4	202.5	205.6	232.9	293.1	302.5	332.3
62.5°	2285.5	2191.7	1934.0	1072.6	295.0	173.9	184.5	214.3	267.1	282.6	312.4
65°	1813.5	1744.0	1383.7	774.5	197.5	150.9	168.3	193.2	230.4	260.8	288.2
67.5°	1135.3	1068.9	738.4	366.4	137.9	129.2	150.3	176.4	206.8	234.1	264.6
70°	593.1	520.5	341.0	132.3	95.0	105.6	125.5	150.3	180.1	202.5	226.1
72.5°	221.1	179.5	111.2	57.1	65.8	80.7	101.9	119.9	141.0	168.3	181.4
75°	34.2	29.2	28.6	34.8	44.7	58.4	72.7	90.7	109.3	126.7	135.4
77.5°	16.1	15.5	17.4	23.0	29.8	41.6	52.8	70.2	85.1	96.3	101.2
80°	10.6	9.9	11.2	15.5	22.4	31.1	42.2	54.0	67.7	77.0	75.8
82.5°	6.2	6.8	6.8	10.6	15.5	22.4	30.4	41.0	50.3	58.4	53.4
85°	3.7	3.1	3.1	6.2	10.6	18.0	25.5	17.4	18.0	18.0	20.5
87.5°	1.2	1.2	1.2	0.6	1.2	1.2	1.9	3.1	3.7	4.3	5.6
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: P526912

CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7
2.5°	1640.2	1659.5	1652.7	1628.4	1647.1	1650.2	1637.8	1680.6	1688.7	1675.6	1679.4
5°	1329.7	1334.7	1345.9	1369.5	1386.2	1406.1	1406.1	1407.3	1390.6	1432.8	1420.4
7.5°	1035.9	1039.0	1052.1	1102.4	1116.7	1154.6	1170.7	1159.5	1126.0	1111.7	1123.5
10°	894.3	876.3	872.0	878.2	910.5	926.6	940.3	936.6	931.0	919.8	907.4
12.5°	799.9	786.9	776.3	761.4	763.3	778.8	789.4	780.7	783.2	785.7	789.4
15°	697.5	688.1	682.6	660.2	657.7	668.3	672.0	677.0	686.3	686.9	682.6
17.5°	588.8	580.7	593.1	605.5	596.8	597.5	604.3	608.6	606.2	595.0	589.4
20°	514.2	522.9	535.4	547.2	556.5	562.1	564.6	557.7	549.6	526.7	526.0
22.5°	492.5	503.7	514.2	532.3	540.9	555.2	542.2	526.7	515.5	504.3	491.3
25°	476.4	485.7	506.8	513.6	530.4	542.2	532.9	517.3	498.1	481.9	472.0
27.5°	464.6	475.1	488.8	507.4	520.5	527.3	518.0	511.8	491.9	472.6	458.3
30°	457.1	468.3	493.1	508.7	519.8	525.4	509.3	501.8	487.5	471.4	459.0
32.5°	452.1	462.1	483.2	503.1	510.5	510.5	513.0	504.3	484.4	457.1	446.5
35°	436.0	449.7	467.0	490.0	503.7	511.8	499.3	489.4	476.4	448.4	429.2
37.5°	426.7	436.0	458.3	480.1	491.9	500.6	495.6	478.2	460.8	437.9	422.3
40°	416.7	431.6	451.5	472.0	485.1	493.7	490.0	469.5	448.4	426.7	416.1
42.5°	409.9	419.8	440.3	463.3	478.8	495.6	484.4	459.0	444.1	414.3	402.5
45°	404.3	420.5	442.2	451.5	467.7	485.1	465.2	449.7	432.3	410.5	400.6
47.5°	397.5	412.4	426.7	451.5	459.0	467.0	463.3	438.5	423.6	400.0	393.1
50°	395.0	400.6	426.7	440.3	450.9	459.0	449.0	430.4	416.1	391.9	377.0
52.5°	385.1	395.6	412.4	430.4	443.4	453.4	437.2	425.4	406.2	380.7	371.4
55°	372.6	378.9	408.7	427.3	434.1	441.0	434.7	415.5	395.6	369.5	360.2
57.5°	356.5	370.8	395.0	421.1	429.8	433.5	423.6	408.0	383.2	360.2	345.3
60°	339.7	354.6	381.3	402.5	411.1	424.8	409.9	400.6	372.0	346.6	330.4
62.5°	323.0	339.7	359.6	386.3	393.8	399.3	395.6	382.6	359.6	331.0	311.2
65°	303.1	315.5	340.3	354.0	359.0	372.0	359.0	354.0	333.5	306.2	289.4
67.5°	273.3	283.8	305.6	318.6	322.3	327.9	327.3	321.7	298.7	280.1	265.2
70°	239.1	248.4	262.1	277.6	279.5	286.3	280.1	278.9	264.0	238.5	230.4
72.5°	191.9	200.6	218.6	225.4	226.1	228.6	225.4	221.1	217.4	190.7	182.6
75°	147.2	152.2	160.9	167.1	167.1	170.2	168.3	164.0	154.0	137.3	129.2
77.5°	102.5	107.4	118.6	122.4	121.7	123.0	117.4	113.0	98.1	89.4	82.6
80°	74.5	77.6	83.2	85.7	86.3	88.2	81.4	77.6	68.9	59.0	55.9
82.5°	54.0	55.9	56.5	59.6	59.6	56.5	54.7	50.9	44.7	38.5	36.0
85°	22.4	23.0	23.6	27.3	27.9	33.5	31.1	29.2	25.5	21.7	19.9
87.5°	5.6	6.2	8.1	6.8	8.1	8.1	8.7	9.9	9.9	8.1	8.1
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: P526912

CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7
2.5°	1693.7	1698.6	1762.0	1770.0	1801.1	1832.8	1896.7	1942.7	1980.0	2004.2	2011.0
5°	1433.4	1465.1	1494.3	1541.5	1584.3	1645.2	1715.4	1802.3	1911.6	1967.5	1989.9
7.5°	1122.3	1159.5	1201.8	1247.7	1310.5	1419.8	1513.5	1614.2	1753.9	1811.7	1899.2
10°	916.1	957.7	1013.6	1049.0	1124.8	1229.1	1338.4	1454.5	1588.1	1671.3	1772.5
12.5°	809.9	844.0	895.6	970.1	1026.6	1094.3	1175.7	1322.3	1513.5	1592.4	1662.0
15°	692.5	730.4	790.0	872.6	940.3	1021.0	1112.3	1271.9	1475.7	1597.4	1656.4
17.5°	595.6	622.9	685.7	757.1	834.7	922.9	1054.0	1269.5	1515.4	1671.3	1767.6
20°	528.5	532.3	566.4	627.3	732.9	847.8	1017.9	1257.0	1642.7	1798.6	1920.3
22.5°	486.3	482.6	483.2	534.7	608.6	773.9	961.4	1299.3	1787.4	2001.1	2083.1
25°	465.2	455.2	449.0	460.2	527.3	686.3	918.6	1355.2	1943.3	2168.1	2268.8
27.5°	454.0	436.6	424.2	426.1	475.1	642.2	891.9	1379.4	2098.0	2401.0	2436.4
30°	449.7	427.9	409.9	403.7	436.0	580.7	834.7	1421.0	2236.5	2529.0	2559.4
32.5°	434.1	407.4	390.0	384.4	397.5	526.7	793.7	1450.8	2358.8	2668.1	2657.5
35°	416.1	393.8	372.0	361.5	370.8	491.9	760.8	1436.5	2502.9	2776.2	2770.6
37.5°	414.3	385.1	367.1	349.7	349.0	449.0	716.1	1450.2	2594.8	2969.9	2893.6
40°	398.1	379.5	355.9	341.6	333.5	427.3	672.6	1417.9	2729.6	3048.2	2973.1
42.5°	398.7	370.8	350.3	333.5	325.4	395.6	642.8	1409.2	2776.8	3175.5	3010.3
45°	388.8	361.5	344.1	324.2	319.8	371.4	614.2	1368.8	2860.0	3181.7	2963.7
47.5°	378.9	354.6	336.0	312.4	302.5	362.7	591.9	1335.3	2816.5	3123.3	2899.1
50°	372.0	344.1	326.7	309.9	282.0	347.8	562.7	1327.2	2755.7	3044.5	2779.3
52.5°	360.2	335.4	317.4	304.3	259.6	334.1	551.5	1374.4	2830.2	2985.5	2744.5
55°	349.0	323.6	300.6	275.1	241.0	298.1	520.5	1418.5	2938.9	3121.5	2902.2
57.5°	337.2	313.0	288.2	257.7	223.0	260.8	488.2	1426.6	2735.2	2884.9	2755.1
60°	321.7	290.7	272.0	232.3	203.7	216.1	386.9	1257.7	2121.6	2409.1	2413.5
62.5°	304.3	270.8	254.6	208.1	183.8	186.3	315.5	1057.1	1721.0	1994.2	2112.9
65°	281.3	249.0	229.8	192.5	169.6	161.5	231.0	774.5	1307.3	1617.9	1752.7
67.5°	251.5	221.1	196.9	167.7	151.5	138.5	157.8	436.0	772.0	1086.2	1127.2
70°	219.9	193.8	168.3	144.1	126.1	116.8	115.5	193.2	368.9	584.4	665.2
72.5°	173.3	154.6	134.2	116.1	104.3	90.7	82.6	80.1	124.8	237.9	328.5
75°	124.2	108.7	96.9	85.1	76.4	68.9	62.7	57.1	52.2	59.6	82.0
77.5°	78.3	72.7	63.3	60.2	55.3	53.4	50.9	47.8	44.1	41.6	41.6
80°	52.8	49.1	46.0	45.3	43.5	42.9	43.5	40.4	36.6	33.5	34.8
82.5°	35.4	34.8	34.2	33.5	34.2	34.8	36.0	35.4	32.3	30.4	31.1
85°	21.1	22.4	23.6	24.8	27.3	24.2	19.9	16.8	14.9	13.7	13.0
87.5°	8.1	11.2	9.9	9.3	9.9	9.3	8.7	8.1	6.8	6.2	6.2
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: P526912

CATALOG NUMBER: GALN-SA1D-827-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7
2.5°	2056.4	2068.8	2079.3	2076.9	2055.1	2025.9	2014.1	1953.9	1941.5	1933.4
5°	2084.3	2156.3	2171.9	2162.6	2106.0	2034.6	1965.1	1876.9	1825.3	1823.5
7.5°	2032.8	2121.6	2149.5	2170.6	2095.5	1971.3	1852.0	1719.7	1687.4	1689.9
10°	1901.7	2043.3	2112.3	2134.0	2047.7	1940.2	1775.0	1640.9	1571.9	1570.7
12.5°	1829.0	1940.2	1959.5	1989.9	1964.4	1855.8	1730.3	1580.0	1512.9	1511.7
15°	1764.5	1837.7	1843.3	1886.2	1899.8	1826.6	1742.1	1581.9	1527.8	1522.2
17.5°	1821.0	1770.0	1748.9	1754.5	1794.9	1821.6	1810.4	1687.4	1632.2	1601.1
20°	1858.9	1745.2	1681.2	1687.4	1735.3	1832.8	1912.3	1840.2	1752.7	1756.4
22.5°	1960.1	1748.9	1648.9	1642.1	1717.9	1891.2	2027.2	2033.4	1948.9	1928.4
25°	2111.6	1791.8	1639.0	1637.1	1709.8	1953.9	2161.3	2261.9	2175.6	2137.7
27.5°	2233.4	1858.9	1670.1	1676.3	1735.3	2004.8	2275.6	2409.1	2343.3	2296.7
30°	2340.2	1928.4	1713.5	1685.0	1803.6	2031.5	2324.7	2576.8	2524.0	2485.5
32.5°	2384.3	2027.2	1782.5	1735.3	1860.1	2063.8	2426.5	2739.5	2694.2	2599.2
35°	2458.8	2082.4	1819.7	1816.0	1958.8	2141.4	2474.3	2847.0	2828.3	2743.9
37.5°	2518.4	2138.3	1952.0	1911.0	2094.2	2271.9	2551.3	2995.4	2952.6	2912.8
40°	2564.4	2238.3	2075.6	2129.6	2260.7	2390.5	2622.1	3004.7	3128.3	3012.8
42.5°	2522.2	2327.8	2278.7	2407.9	2532.1	2525.9	2630.2	3076.8	3169.3	3109.1
45°	2511.6	2479.3	2599.8	2717.2	2745.7	2638.3	2572.5	2997.3	3156.9	3130.2
47.5°	2486.1	2628.4	2838.3	3029.6	2986.1	2713.4	2503.5	2983.0	3164.3	3116.5
50°	2477.4	2660.7	3014.7	3201.0	3174.9	2778.7	2471.2	2891.1	3111.5	3107.2
52.5°	2476.8	2727.1	3087.9	3294.1	3310.3	2881.8	2515.3	2937.7	3152.5	3189.2
55°	2504.8	2706.0	3078.6	3242.6	3236.4	2835.8	2520.3	2968.7	3202.8	3238.9
57.5°	2362.5	2424.0	2540.8	2670.6	2637.1	2348.9	2250.7	2744.5	2939.5	2913.4
60°	2040.2	1847.7	1716.0	1709.8	1644.6	1554.5	1842.1	2449.5	2449.5	2424.0
62.5°	1786.8	1212.9	1042.2	993.7	1040.3	1144.0	1776.9	2382.4	2314.7	2285.5
65°	1562.6	926.0	753.4	739.7	820.4	976.9	1606.7	2029.6	1910.4	1813.5
67.5°	1005.5	678.2	560.2	536.0	633.5	717.3	1069.5	1248.3	1173.2	1135.3
70°	648.4	441.6	311.8	292.5	330.4	442.2	683.2	727.9	618.6	593.1
72.5°	306.8	190.7	109.3	90.1	101.2	168.9	270.2	290.7	241.6	221.1
75°	97.5	70.2	44.7	38.5	36.6	43.5	62.1	47.8	34.8	34.2
77.5°	43.5	41.6	35.4	29.8	26.1	21.7	18.0	14.9	15.5	16.1
80°	36.0	32.9	29.2	26.1	21.7	16.8	13.0	9.9	9.9	10.6
82.5°	31.7	28.6	25.5	21.7	18.6	13.7	9.9	6.8	6.2	6.2
85°	13.7	16.1	17.4	18.6	14.9	11.2	6.8	4.3	3.7	3.7
87.5°	5.6	5.0	4.3	3.7	3.1	3.1	2.5	1.9	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)