

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: P458006

Luminaire Tested: **GALN-SA9B-827-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32687 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

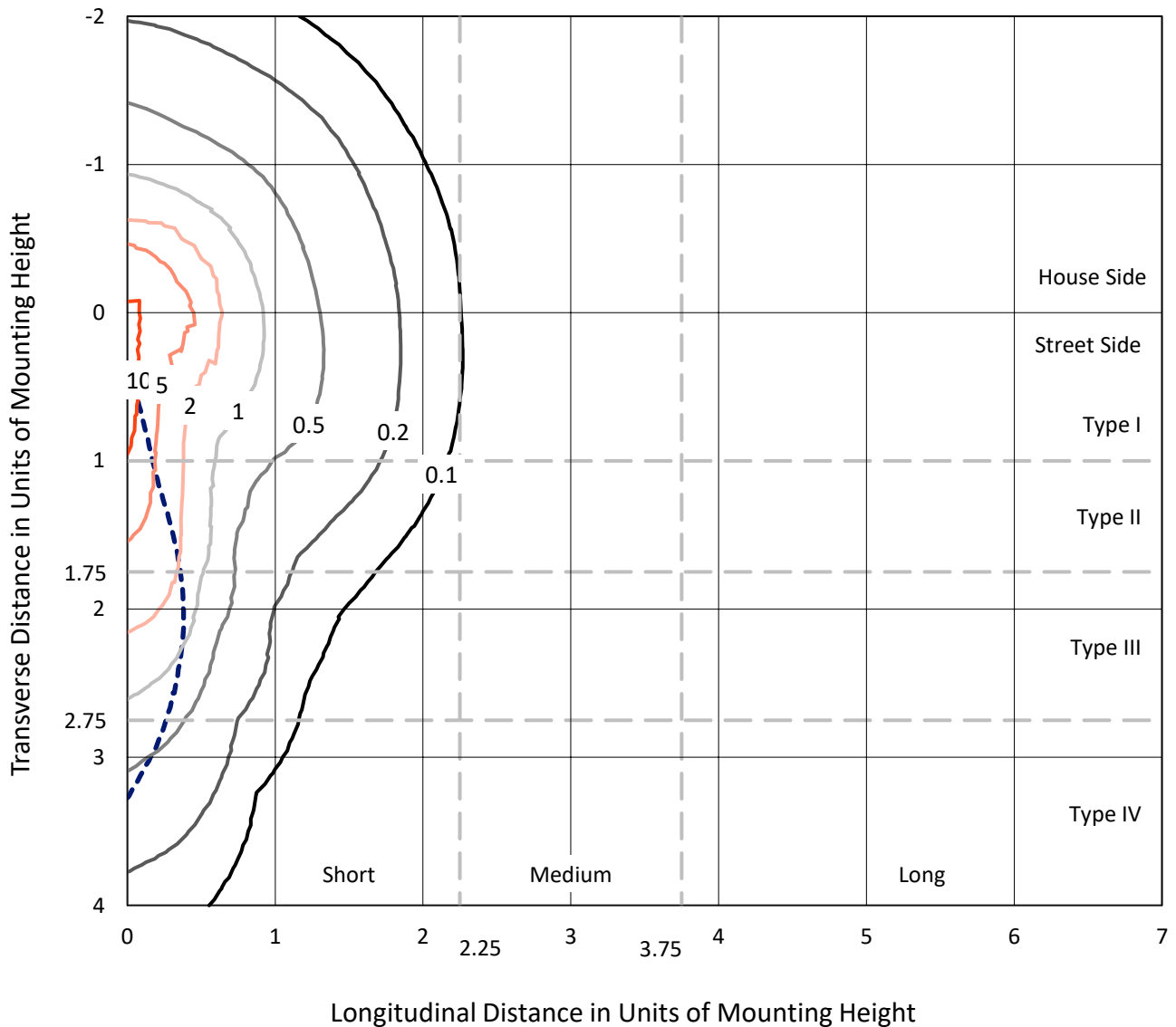
Input Watts (W): 364
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P458006
 CATALOG NUMBER: GALN-SA9B-827-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

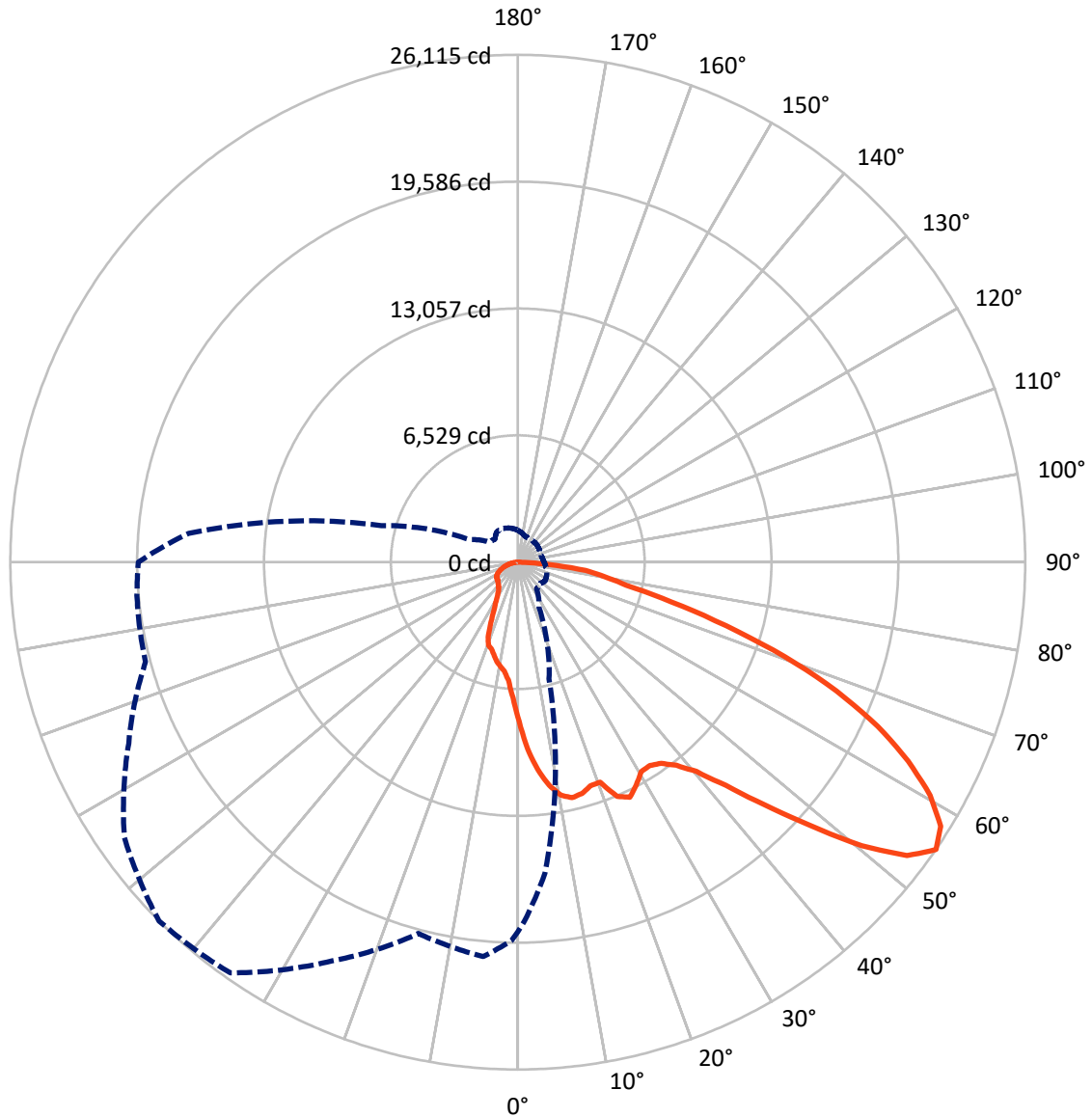
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P458006
CATALOG NUMBER: GALN-SA9B-827-U-SLR

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P458006

CATALOG NUMBER: GALN-SA9B-827-U-SLR

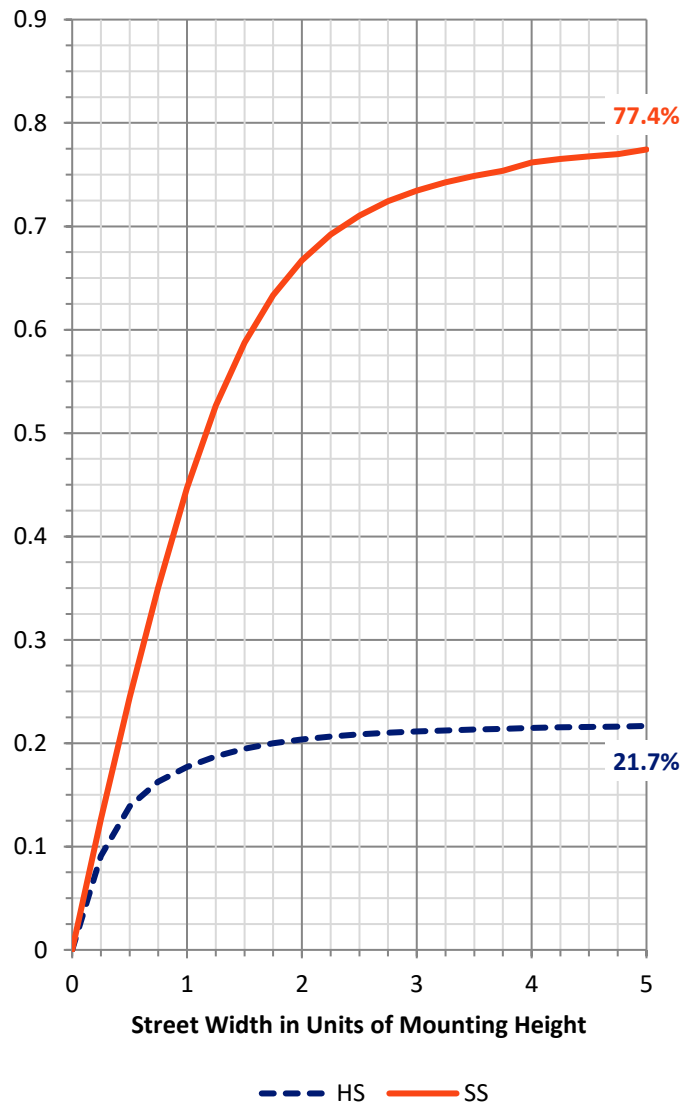
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7150.1	0.0	7150.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	25536.9	0.0	25536.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	32687.0	0.0	32687.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.3	2.1
10°-20°	1844.5	5.6
20°-30°	3186.4	9.7
30°-40°	3703.2	11.3
40°-50°	5166.6	15.8
50°-60°	7010.6	21.4
60°-70°	6669.7	20.4
70°-80°	3603.2	11.0
80°-90°	807.5	2.5
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°	32687.0	100.0
0°-180°	32687.0	100.0



REPORT NUMBER: P458006

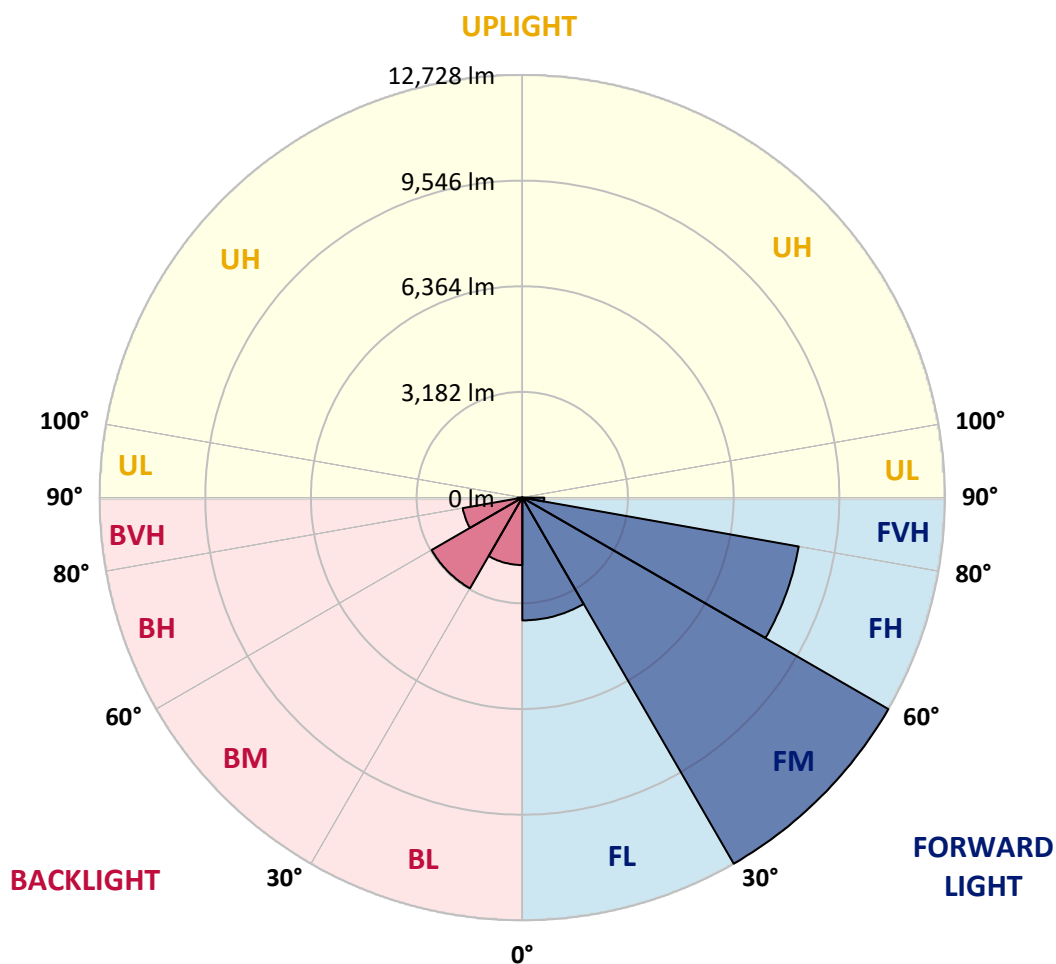
CATALOG NUMBER: GALN-SA9B-827-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3697.0	11.3			
FM	(30°-60°)	12727.6	38.9			
FH	(60°-80°)	8452.3	25.9			G4/12000
FVH	(80°-90°)	660.0	2.0			G4/750
BL	(0°-30°)	2029.2	6.2	B3/2500		
BM	(30°-60°)	3152.7	9.6	B3/5000		
BH	(60°-80°)	1820.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	147.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P458006
 CATALOG NUMBER: GALN-SA9B-827-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2
2.5°	9113.2	9078.7	8981.6	8727.2	8470.6	8209.6	8009.1	7758.9	7498.0	7357.8	7178.8
5°	9238.3	9199.4	8970.9	8397.2	7877.5	7332.0	6896.3	6514.7	6359.4	6130.8	5947.5
7.5°	8945.0	8927.7	8584.9	7761.1	7049.5	6335.7	5841.8	5535.6	5257.4	5153.9	5175.5
10°	8677.6	8608.6	8179.4	7103.4	6273.1	5693.0	5339.4	5039.6	4843.4	4791.6	4802.4
12.5°	8455.5	8362.7	7856.0	6661.3	5934.6	5470.9	5020.2	4707.5	4528.6	4578.2	4746.4
15°	8410.2	8285.1	7720.1	6510.3	5749.1	5151.8	4657.9	4297.8	4164.1	4271.9	4541.5
17.5°	8703.5	8546.0	7953.0	6559.9	5572.3	4826.1	4220.2	3808.3	3696.2	3868.7	4220.2
20°	9645.8	9412.9	8679.7	6846.7	5555.0	4664.4	3965.7	3551.7	3599.1	3926.9	4293.5
22.5°	11388.2	11038.9	9952.0	7265.1	5645.6	4623.4	3914.0	3698.3	3959.3	4237.4	4479.0
25°	11733.3	11459.4	10180.6	7360.0	5626.2	4595.4	4060.6	4168.4	4459.6	4597.6	4513.5
27.5°	11927.4	11614.7	10165.5	6889.9	5031.0	4168.4	3881.6	4060.6	4133.9	4000.2	3771.6
30°	12380.2	12054.6	10422.2	6396.0	4142.6	3092.4	2710.7	2637.3	2686.9	2712.8	2630.9
32.5°	13003.4	12682.1	10905.2	6072.6	3581.9	2557.6	2182.3	2078.8	2055.1	2027.1	1994.7
35°	13809.9	13316.1	11379.6	5865.6	3351.1	2365.6	2020.6	1940.8	1908.5	1869.6	1835.1
37.5°	14629.4	14111.9	11979.1	5647.8	3198.0	2231.9	1912.8	1876.1	1820.0	1779.1	1729.5
40°	15500.6	14920.5	12524.7	5458.0	3049.2	2145.7	1835.1	1830.8	1757.5	1710.1	1651.8
42.5°	16255.4	15658.0	13012.1	5341.5	2934.9	2055.1	1787.7	1800.6	1725.2	1654.0	1578.5
45°	16854.9	16268.3	13462.8	5341.5	2842.2	1964.5	1779.1	1770.5	1695.0	1606.6	1520.3
47.5°	17381.0	16775.1	13902.7	5477.4	2784.0	1889.1	1731.6	1746.7	1669.1	1557.0	1472.9
50°	17788.6	17253.8	14495.7	5688.7	2725.8	1828.7	1671.3	1753.2	1647.5	1531.1	1434.0
52.5°	18308.3	17829.6	15209.5	5977.7	2676.2	1761.8	1617.3	1753.2	1645.4	1533.2	1427.6
55°	19028.6	18524.0	16069.9	6217.1	2596.4	1699.3	1569.9	1703.6	1638.9	1522.5	1410.3
57.5°	19533.2	19155.8	16678.0	6376.6	2482.1	1619.5	1526.8	1656.2	1610.9	1481.5	1358.6
58°	19556.9	19188.1	16766.4	6413.3	2454.0	1604.4	1516.0	1634.6	1597.9	1464.2	1341.3
60°	19285.2	18968.2	16783.7	6361.5	2294.5	1528.9	1459.9	1546.2	1528.9	1362.9	1248.6
62.5°	18297.5	17959.0	16087.2	5941.0	2083.1	1436.2	1373.7	1427.6	1388.8	1220.6	1114.9
65°	16893.7	16270.5	14655.3	5281.2	1932.2	1337.0	1257.2	1261.5	1220.6	1099.8	1007.1
67.5°	15024.0	14327.5	12408.3	4450.9	1817.9	1227.0	1119.2	1108.4	1058.8	981.2	905.7
70°	12723.1	12246.5	10083.6	3620.7	1690.7	1106.3	963.9	957.5	927.3	869.1	802.2
72.5°	10312.2	9706.2	8142.8	2898.3	1535.4	989.8	819.5	832.4	793.6	752.6	692.2
75°	7610.1	7213.3	6294.7	2324.7	1326.2	862.6	683.6	687.9	670.7	627.5	580.1
77.5°	5011.6	4893.0	4502.7	1526.8	1020.0	685.8	558.5	562.8	549.9	511.1	461.5
80°	3372.7	3292.9	3051.4	983.3	681.4	496.0	431.3	435.6	433.4	392.5	325.6
82.5°	2078.8	2044.3	1966.7	664.2	472.3	355.8	284.7	297.6	321.3	276.0	222.1
85°	981.2	983.3	1188.2	362.3	278.2	228.6	155.3	166.0	166.0	166.0	125.1
87.5°	127.2	133.7	163.9	153.1	101.4	86.3	56.1	47.4	41.0	53.9	38.8
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: P458006

CATALOG NUMBER: GALN-SA9B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2
2.5°	7116.3	7073.2	6980.4	6958.9	6945.9	6982.6	6885.6	6911.4	6868.3	6989.1	6969.7
5°	5958.3	5962.6	6038.1	6087.7	6104.9	6087.7	6023.0	5910.8	5824.6	5790.1	5798.7
7.5°	5134.5	5210.0	5339.4	5483.9	5615.4	5654.2	5617.6	5404.1	5171.2	5024.5	4977.1
10°	4860.7	4962.0	5110.8	5225.1	5341.5	5434.3	5453.7	5287.6	5011.6	4664.4	4528.6
12.5°	4875.7	5013.8	5156.1	5192.7	5182.0	5218.6	5201.4	5173.3	4992.2	4550.1	4323.7
15°	4733.4	4897.3	4996.5	4977.1	4942.6	4910.3	4865.0	4793.8	4729.1	4418.6	4168.4
17.5°	4405.6	4573.8	4655.8	4662.3	4662.3	4653.6	4543.7	4517.8	4509.2	4358.2	4205.1
20°	4466.0	4558.7	4522.1	4461.7	4479.0	4537.2	4472.5	4459.6	4509.2	4576.0	4548.0
22.5°	4500.5	4468.2	4192.2	3924.8	3864.4	4045.5	4082.2	4226.7	4427.2	4668.7	4826.1
25°	4287.0	4026.1	3532.3	3230.4	3060.0	3228.2	3448.2	3715.6	4015.3	4325.9	4509.2
27.5°	3584.0	3385.6	3032.0	2760.3	2611.5	2637.3	2825.0	3068.6	3346.8	3556.0	3689.7
30°	2699.9	2611.5	2428.2	2335.4	2244.9	2223.3	2303.1	2395.8	2518.7	2544.6	2579.1
32.5°	1988.3	1975.3	1986.1	1955.9	1938.7	1936.5	1912.8	1934.3	1947.3	1962.4	1932.2
35°	1798.5	1781.2	1751.0	1742.4	1731.6	1735.9	1725.2	1714.4	1723.0	1735.9	1744.6
37.5°	1701.4	1675.6	1632.4	1617.3	1617.3	1623.8	1606.6	1602.2	1617.3	1658.3	1679.9
40°	1626.0	1595.8	1546.2	1526.8	1539.7	1557.0	1533.2	1524.6	1561.3	1604.4	1638.9
42.5°	1554.8	1531.1	1483.6	1462.1	1472.9	1505.2	1470.7	1464.2	1511.7	1559.1	1600.1
45°	1494.4	1470.7	1427.6	1416.8	1421.1	1451.3	1427.6	1427.6	1472.9	1524.6	1561.3
47.5°	1447.0	1416.8	1388.8	1380.1	1384.4	1401.7	1397.4	1397.4	1440.5	1494.4	1531.1
50°	1399.5	1373.7	1337.0	1341.3	1352.1	1375.8	1373.7	1380.1	1423.3	1490.1	1528.9
52.5°	1378.0	1339.2	1298.2	1302.5	1334.8	1362.9	1354.3	1360.7	1410.3	1535.4	1591.5
55°	1354.3	1302.5	1255.1	1261.5	1298.2	1339.2	1328.4	1337.0	1395.2	1565.6	1643.2
57.5°	1309.0	1248.6	1196.8	1201.1	1255.1	1298.2	1280.9	1291.7	1360.7	1533.2	1615.2
58°	1289.6	1237.8	1188.2	1190.4	1242.1	1289.6	1270.2	1278.8	1349.9	1524.6	1602.2
60°	1207.6	1177.4	1134.3	1136.5	1186.1	1227.0	1216.2	1224.9	1293.9	1462.1	1520.3
62.5°	1095.5	1078.2	1067.4	1067.4	1097.6	1136.5	1147.2	1158.0	1220.6	1321.9	1373.7
65°	974.7	974.7	976.9	976.9	996.3	1045.9	1052.4	1080.4	1138.6	1188.2	1227.0
67.5°	892.8	888.5	892.8	882.0	890.6	920.8	953.2	979.0	1039.4	1073.9	1086.9
70°	787.1	785.0	787.1	772.0	782.8	808.7	830.2	873.4	935.9	961.8	968.2
72.5°	683.6	683.6	687.9	677.1	677.1	705.2	720.3	767.7	825.9	841.0	843.2
75°	575.8	582.2	582.2	567.1	571.5	588.7	608.1	646.9	700.8	711.6	711.6
77.5°	457.2	480.9	480.9	465.8	472.3	474.4	500.3	519.7	560.7	565.0	547.7
80°	332.1	355.8	375.2	362.3	373.1	360.1	375.2	388.2	429.1	409.7	381.7
82.5°	237.2	254.5	269.6	271.7	260.9	237.2	256.6	258.8	278.2	252.3	237.2
85°	131.5	146.6	166.0	157.4	140.2	125.1	131.5	135.9	133.7	127.2	118.6
87.5°	34.5	36.7	41.0	30.2	28.0	23.7	32.3	32.3	36.7	38.8	36.7
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: P458006

CATALOG NUMBER: GALN-SA9B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2
2.5°	6984.8	7079.6	7284.5	7439.8	7629.5	7860.3	8132.0	8405.9	8701.3	8794.0	8923.4
5°	5779.3	6016.5	6115.7	6398.2	6678.5	7099.1	7547.6	8067.3	8636.6	8910.5	9173.6
7.5°	4938.3	5065.5	5169.0	5376.0	5712.5	6223.5	6786.4	7435.5	8242.0	8640.9	9026.9
10°	4485.4	4498.4	4625.6	4882.2	5175.5	5626.2	6158.8	6885.6	7784.8	8270.0	8722.9
12.5°	4185.7	4129.6	4267.6	4535.0	4867.1	5283.3	5772.8	6465.1	7454.9	7953.0	8500.8
15°	3922.6	3834.2	3937.7	4211.6	4539.3	5028.9	5555.0	6288.2	7325.5	7905.6	8513.7
17.5°	3929.1	3685.4	3722.0	3952.8	4278.4	4776.6	5414.9	6281.8	7521.7	8190.2	8910.5
20°	4414.3	4023.9	3857.9	3901.0	4215.9	4759.3	5479.6	6583.7	8166.5	9141.2	9911.1
22.5°	4890.8	4655.8	4388.4	4300.0	4472.5	5041.8	5891.4	7297.4	9568.2	11036.7	12427.7
25°	4724.8	4925.3	4858.5	4733.4	4772.2	5244.5	6171.8	7884.0	10657.2	12311.2	13618.0
27.5°	3780.3	4144.7	4218.0	4215.9	4231.0	4619.1	5550.7	7489.4	10793.1	12554.9	13803.5
30°	2656.8	2689.1	2727.9	2803.4	2872.4	3219.6	4343.1	6575.0	10732.7	12664.9	13915.6
32.5°	1917.1	1960.2	2014.1	2117.6	2281.5	2723.6	3799.7	6283.9	11051.8	13119.9	14243.4
35°	1753.2	1802.8	1854.6	1973.2	2128.4	2538.1	3584.0	6163.2	11575.9	13857.4	14832.1
37.5°	1701.4	1757.5	1802.8	1889.1	2014.1	2404.4	3387.8	6081.2	12112.8	14638.0	15621.4
40°	1664.8	1729.5	1766.1	1835.1	1921.4	2281.5	3213.1	6016.5	12632.5	15351.8	16255.4
42.5°	1632.4	1699.3	1746.7	1796.3	1867.5	2171.6	3057.9	5951.8	13083.2	16044.0	16887.2
45°	1593.6	1677.7	1738.1	1776.9	1839.5	2078.8	2939.3	5900.1	13596.5	16658.6	17525.5
47.5°	1561.3	1654.0	1729.5	1774.8	1798.5	2014.1	2844.4	5971.2	14213.2	17301.2	18118.5
50°	1563.4	1651.8	1746.7	1817.9	1755.4	1960.2	2786.1	6253.7	15015.4	18064.6	18586.5
52.5°	1632.4	1740.3	1815.7	1833.0	1695.0	1895.5	2756.0	6747.6	15964.2	18739.6	19058.8
55°	1710.1	1822.2	1904.2	1893.4	1662.6	1813.6	2749.5	7273.7	17003.7	19526.7	19673.4
57.5°	1682.0	1845.9	1971.0	1914.9	1664.8	1733.8	2721.4	7698.5	17872.7	20115.4	20281.5
58°	1673.4	1837.3	1979.6	1910.6	1658.3	1710.1	2715.0	7735.2	17993.5	20156.4	20367.7
60°	1589.3	1761.8	1973.2	1878.3	1621.7	1645.4	2643.8	7853.8	17961.1	19945.1	20419.5
62.5°	1436.2	1578.5	1824.4	1720.9	1509.5	1559.1	2484.2	7707.2	17085.6	18927.2	19662.6
65°	1263.7	1369.3	1533.2	1513.8	1349.9	1470.7	2266.4	7127.1	15332.4	17275.4	18049.5
67.5°	1134.3	1220.6	1324.1	1296.0	1214.1	1352.1	2031.4	6145.9	13365.7	15291.4	16266.2
70°	1002.8	1069.6	1121.4	1101.9	1076.1	1235.6	1822.2	4987.9	11481.0	13406.7	14351.2
72.5°	869.1	931.6	974.7	946.7	931.6	1112.7	1651.8	3870.8	9067.9	11060.5	12274.5
75°	726.7	789.3	819.5	787.1	778.5	981.2	1399.5	2891.8	6803.6	8526.6	9574.7
77.5°	562.8	629.7	668.5	657.7	662.0	806.5	1130.0	1979.6	4865.0	5811.7	6915.8
80°	394.6	468.0	493.8	483.0	513.2	614.6	797.9	1257.2	3355.4	3771.6	4550.1
82.5°	243.7	312.7	317.0	327.8	349.3	455.0	601.7	765.5	2106.9	2178.0	2743.0
85°	122.9	148.8	159.6	176.8	196.2	278.2	342.9	474.4	1356.4	1026.5	1533.2
87.5°	41.0	43.1	51.8	64.7	79.8	114.3	146.6	194.1	336.4	185.5	474.4
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: P458006

CATALOG NUMBER: GALN-SA9B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2	8203.2
2.5°	9184.3	9367.6	9501.3	9624.3	9505.7	9494.9	9378.4	9190.8	9113.2	9113.2
5°	9725.6	10154.8	10501.9	10724.1	10629.2	10400.6	10023.2	9542.3	9283.5	9238.3
7.5°	9874.4	10721.9	11366.7	11595.3	11435.7	10931.1	10208.7	9397.8	9026.9	8945.0
10°	9783.8	10885.8	11832.5	12194.8	11972.6	11209.3	10223.8	9229.6	8772.5	8677.6
12.5°	9689.0	10907.4	11918.7	12442.8	12298.3	11433.5	10333.7	9119.7	8591.3	8455.5
15°	9758.0	10916.0	11813.1	12354.3	12447.1	11703.1	10514.9	9199.4	8554.7	8410.2
17.5°	10193.6	11079.9	11662.1	12099.9	12425.5	12069.7	11030.3	9581.1	8882.4	8703.5
20°	11103.6	11472.3	11748.4	12086.9	12611.0	12818.0	12084.8	10629.2	9803.3	9645.8
22.5°	13738.8	13671.9	13106.9	13100.5	13859.5	14689.8	14640.2	12759.8	11517.6	11388.2
25°	14726.4	14415.9	13598.6	13400.2	13734.5	15015.4	14830.0	13195.4	12048.1	11733.3
27.5°	14340.4	13570.6	13033.6	12988.3	12878.4	14088.1	14534.5	13372.2	12233.6	11927.4
30°	14316.7	13184.6	12416.9	12507.4	12613.1	13769.0	14698.4	13926.4	12708.0	12380.2
32.5°	14374.9	13238.5	12462.2	12479.4	12794.3	13816.4	14879.5	14530.2	13331.2	13003.4
35°	14610.0	13544.7	12751.1	12710.2	13201.8	14126.9	15187.9	15479.0	14183.0	13809.9
37.5°	14989.5	14155.0	13279.5	13268.7	13982.5	14687.6	15571.8	16436.5	15030.5	14629.4
40°	15548.1	14868.8	14219.7	14161.4	15043.4	15599.8	16069.9	17456.5	16016.0	15500.6
42.5°	16223.0	15724.9	15459.6	15690.4	16537.9	16624.1	16846.2	18398.9	16854.9	16255.4
45°	16848.4	16824.7	17193.4	17805.9	18299.7	17782.1	17657.1	19030.7	17506.1	16854.9
47.5°	17592.4	18235.0	19347.7	20244.8	20762.4	19129.9	18349.3	19442.6	17980.5	17381.0
50°	18347.1	19923.5	21700.4	22951.2	23061.1	20594.2	18825.9	19830.8	18411.8	17788.6
52.5°	19140.7	21271.3	23636.9	25090.4	24876.9	21868.6	19287.3	20093.9	18856.1	18308.3
55°	19830.8	22097.2	24719.5	26114.7	25802.0	22644.9	19785.5	20378.5	19490.1	19028.6
57.5°	20216.8	22166.2	24449.9	25668.3	25329.7	22494.0	20014.1	20589.8	19895.5	19533.2
58°	20272.8	22073.5	24210.5	25409.5	25064.5	22366.8	20011.9	20581.2	19921.3	19556.9
60°	20223.2	21471.8	23319.9	24387.4	24025.1	21568.9	19930.0	20419.5	19593.6	19285.2
62.5°	19763.9	20428.1	21782.4	22558.7	22455.2	20322.4	19593.6	19809.2	18595.1	18297.5
65°	19160.1	19004.9	19813.5	20363.4	20441.1	19388.7	19259.3	18489.5	17314.2	16893.7
67.5°	18426.9	17391.8	17389.7	17702.4	17831.7	17952.5	18562.8	17055.4	15468.3	15024.0
70°	17182.6	14905.4	14219.7	14588.4	14480.6	15500.6	17318.5	15041.3	13242.8	12723.1
72.5°	14901.1	11828.2	10730.5	11204.9	10933.2	12155.9	15153.4	12378.1	10950.5	10312.2
75°	12078.3	8847.9	7715.8	8151.4	7983.2	9221.0	12608.8	8990.3	7853.8	7610.1
77.5°	9378.4	6411.1	5753.4	5693.0	5818.1	6861.8	9249.0	6070.4	5177.7	5011.6
80°	6025.1	4588.9	4627.8	4550.1	4614.8	4325.9	5615.4	3873.0	3506.4	3372.7
82.5°	3965.7	3198.0	3812.6	3519.3	3342.5	2909.1	3683.2	2536.0	2152.1	2078.8
85°	2702.0	2354.9	2143.5	1638.9	1930.0	2240.6	2762.4	1365.0	1082.5	981.2
87.5°	1220.6	819.5	601.7	370.9	586.6	677.1	1341.3	159.6	122.9	127.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)