

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: P457861

Luminaire Tested: **GALN-SA9B-727-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457861
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-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 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: 37187 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

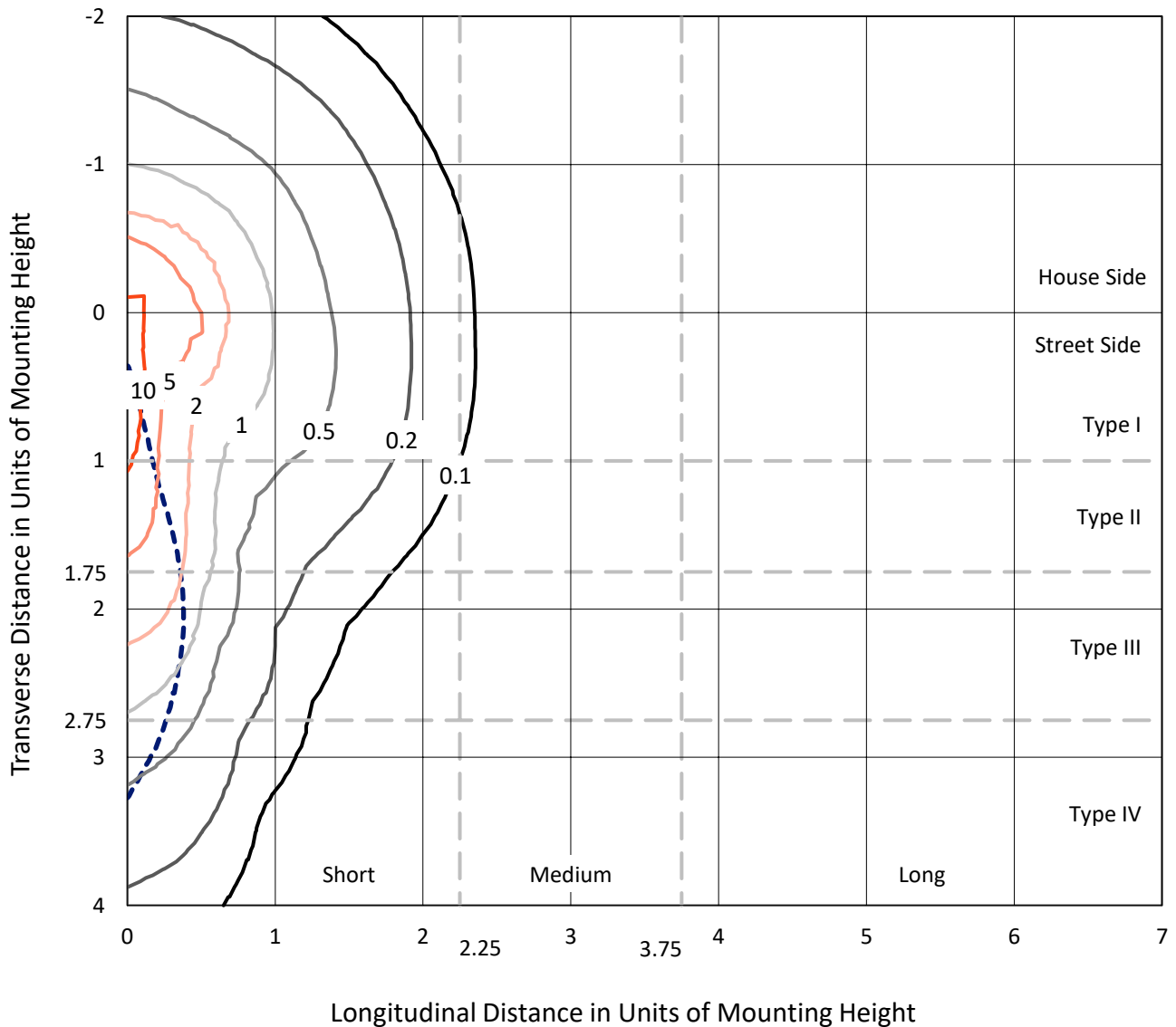
Input Watts (W): 364
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P457861
 CATALOG NUMBER: GALN-SA9B-727-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

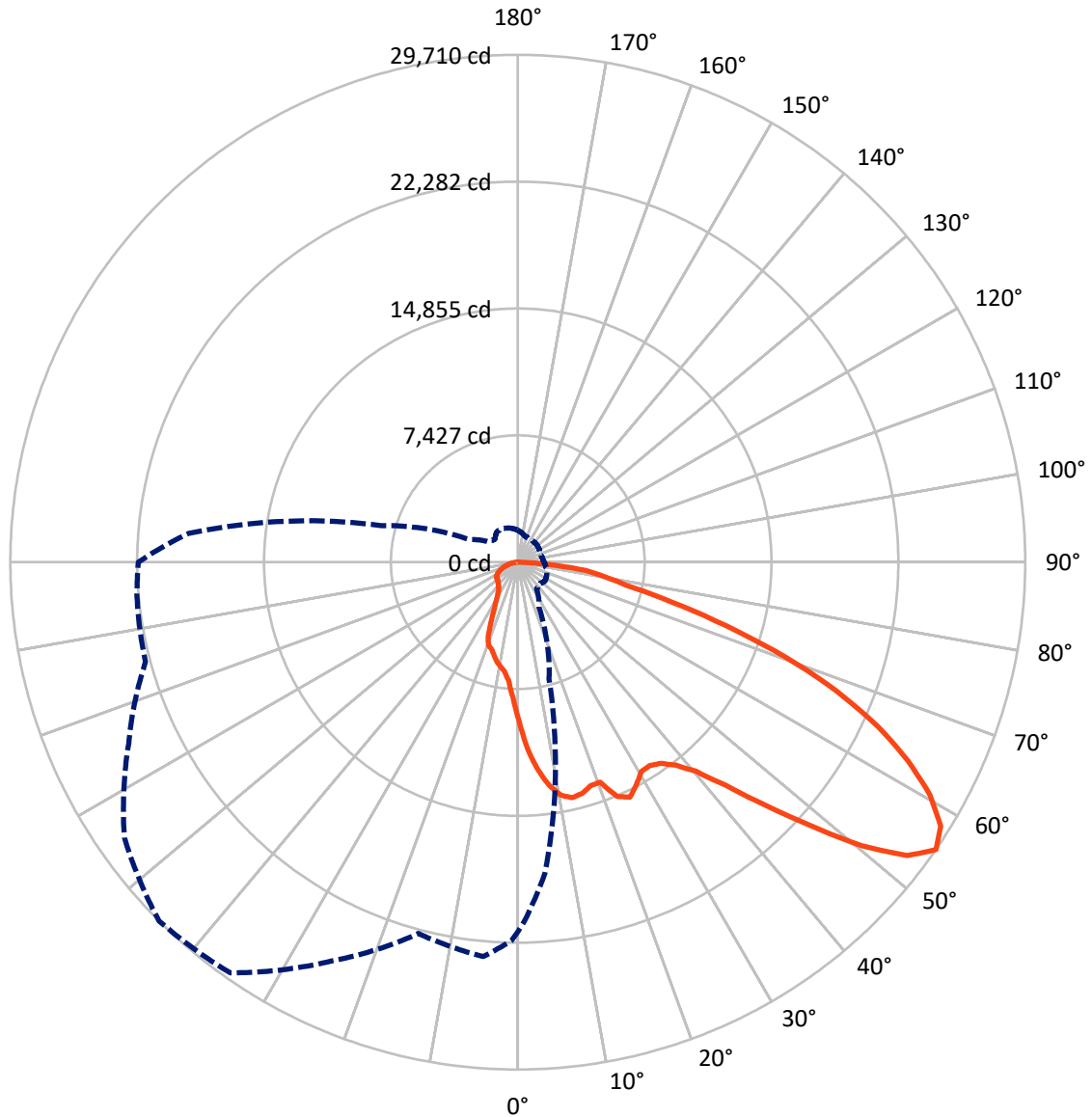
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
 Type IV - Short - N/A

REPORT NUMBER: P457861
CATALOG NUMBER: GALN-SA9B-727-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P457861

CATALOG NUMBER: GALN-SA9B-727-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8134.5	0.0	8134.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	29052.5	0.0	29052.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	37187.0	0.0	37187.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.0	2.1
10°-20°	2098.4	5.6
20°-30°	3625.1	9.7
30°-40°	4213.0	11.3
40°-50°	5877.9	15.8
50°-60°	7975.7	21.4
60°-70°	7587.9	20.4
70°-80°	4099.2	11.0
80°-90°	918.7	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°	37187.0	100.0
0°-180°	37187.0	100.0

Coefficient of Utilization



REPORT NUMBER: P457861

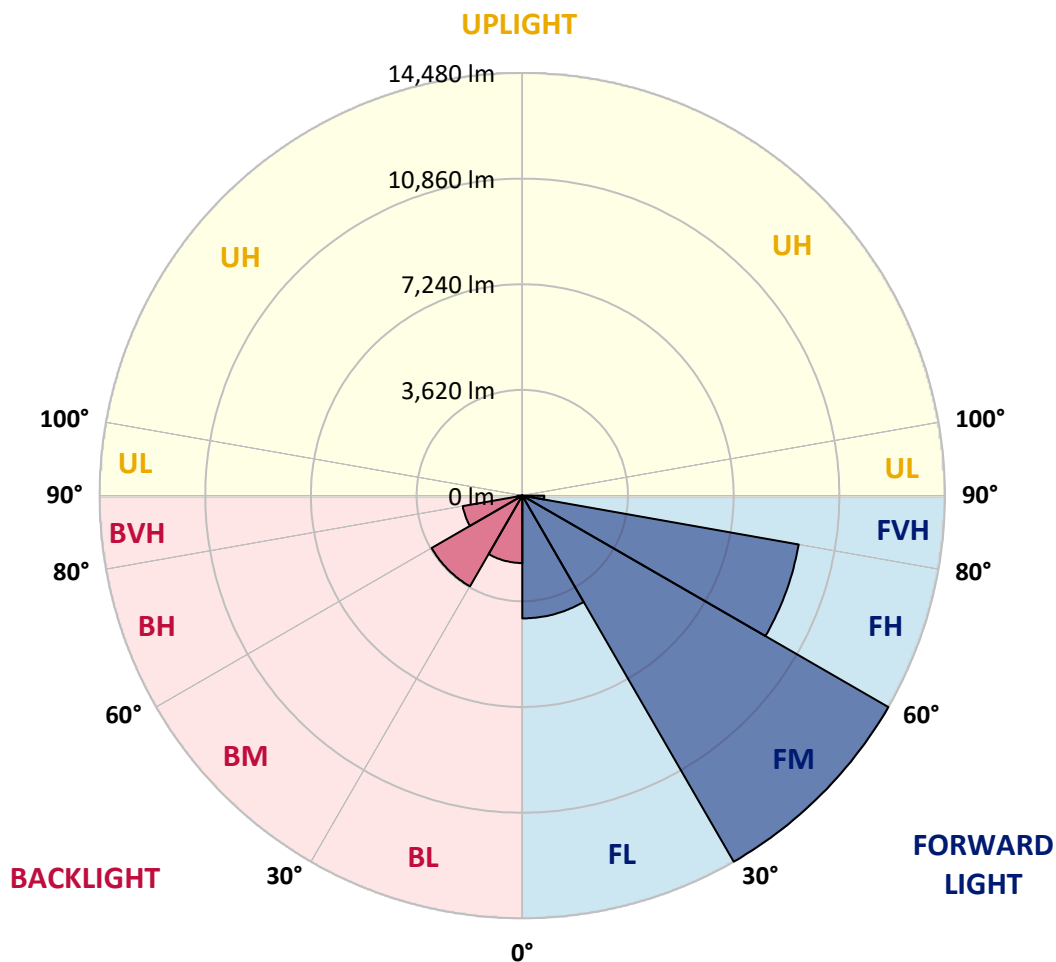
CATALOG NUMBER: GALN-SA9B-727-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4205.9	11.3			
FM	(30°-60°)	14479.8	38.9			
FH	(60°-80°)	9615.9	25.9			G4/12000
FVH	(80°-90°)	750.8	2.0			G5
BL	(0°-30°)	2308.6	6.2	B3/2500		
BM	(30°-60°)	3586.8	9.6	B3/5000		
BH	(60°-80°)	2071.2	5.6	B3/2500		G3/2500
BVH	(80°-90°)	167.9	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-G5

Type IV Short





REPORT NUMBER: P457861
 CATALOG NUMBER: GALN-SA9B-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5
2.5°	10367.8	10328.5	10218.1	9928.6	9636.7	9339.8	9111.7	8827.1	8530.2	8370.8	8167.2
5°	10510.1	10465.9	10205.9	9553.3	8962.0	8341.3	7845.8	7411.5	7234.9	6974.8	6766.3
7.5°	10176.4	10156.8	9766.7	8829.6	8020.0	7207.9	6646.1	6297.7	5981.2	5863.5	5888.0
10°	9872.2	9793.7	9305.5	8081.3	7136.8	6476.8	6074.5	5733.4	5510.2	5451.3	5463.6
12.5°	9619.5	9514.0	8937.5	7578.4	6751.6	6224.1	5711.4	5355.6	5152.0	5208.4	5399.8
15°	9568.0	9425.7	8782.9	7406.6	6540.6	5861.0	5299.2	4889.5	4737.4	4860.1	5166.7
17.5°	9901.7	9722.6	9047.9	7463.0	6339.4	5490.6	4801.2	4332.6	4205.0	4401.3	4801.2
20°	10973.8	10708.8	9874.7	7789.3	6319.8	5306.6	4511.7	4040.6	4094.6	4467.5	4884.6
22.5°	12956.1	12558.6	11322.1	8265.3	6422.8	5259.9	4452.8	4207.5	4504.3	4820.8	5095.6
25°	13348.6	13037.0	11582.2	8373.2	6400.7	5228.1	4619.6	4742.3	5073.5	5230.5	5134.8
27.5°	13569.4	13213.7	11565.0	7838.4	5723.6	4742.3	4416.0	4619.6	4703.0	4550.9	4290.9
30°	14084.6	13714.1	11857.0	7276.6	4712.9	3518.1	3083.8	3000.4	3056.9	3086.3	2993.1
32.5°	14793.6	14428.1	12406.5	6908.6	4075.0	2909.7	2482.8	2365.0	2338.0	2306.1	2269.3
35°	15711.2	15149.3	12946.2	6673.1	3812.5	2691.3	2298.8	2208.0	2171.2	2127.0	2087.8
37.5°	16643.4	16054.6	13628.3	6425.3	3638.3	2539.2	2176.1	2134.4	2070.6	2024.0	1967.6
40°	17634.6	16974.6	14249.0	6209.4	3469.0	2441.1	2087.8	2082.9	1999.5	1945.5	1879.3
42.5°	18493.2	17813.7	14803.4	6076.9	3339.0	2338.0	2033.8	2048.5	1962.7	1881.7	1795.8
45°	19175.3	18508.0	15316.2	6076.9	3233.5	2235.0	2024.0	2014.2	1928.3	1827.7	1729.6
47.5°	19773.9	19084.5	15816.6	6231.5	3167.3	2149.1	1970.0	1987.2	1898.9	1771.3	1675.6
50°	20237.6	19629.1	16491.3	6471.9	3101.0	2080.4	1901.3	1994.6	1874.3	1741.9	1631.5
52.5°	20828.8	20284.2	17303.4	6800.6	3044.6	2004.4	1840.0	1994.6	1871.9	1744.3	1624.1
55°	21648.2	21074.1	18282.2	7073.0	2953.8	1933.2	1786.0	1938.1	1864.5	1732.1	1604.5
57.5°	22222.3	21793.0	18974.1	7254.5	2823.8	1842.5	1737.0	1884.2	1832.6	1685.4	1545.6
58°	22249.3	21829.8	19074.7	7296.2	2791.9	1825.3	1724.7	1859.6	1817.9	1665.8	1526.0
60°	21940.2	21579.5	19094.3	7237.3	2610.3	1739.4	1660.9	1759.0	1739.4	1550.5	1420.5
62.5°	20816.5	20431.4	18301.9	6758.9	2369.9	1633.9	1562.8	1624.1	1579.9	1388.6	1268.4
65°	19219.4	18510.4	16672.9	6008.2	2198.2	1521.1	1430.3	1435.2	1388.6	1251.2	1145.7
67.5°	17092.4	16300.0	14116.5	5063.7	2068.2	1395.9	1273.3	1261.0	1204.6	1116.3	1030.4
70°	14474.7	13932.5	11471.8	4119.1	1923.4	1258.6	1096.6	1089.3	1054.9	988.7	912.6
72.5°	11731.8	11042.5	9263.8	3297.3	1746.8	1126.1	932.3	947.0	902.8	856.2	787.5
75°	8657.8	8206.4	7161.3	2644.7	1508.8	981.3	777.7	782.6	763.0	713.9	659.9
77.5°	5701.5	5566.6	5122.6	1737.0	1160.4	780.2	635.4	640.3	625.6	581.4	525.0
80°	3837.0	3746.2	3471.5	1118.7	775.3	564.3	490.7	495.6	493.1	446.5	370.5
82.5°	2365.0	2325.8	2237.4	755.6	537.3	404.8	323.8	338.6	365.5	314.0	252.7
85°	1116.3	1118.7	1351.8	412.2	316.5	260.1	176.6	188.9	188.9	188.9	142.3
87.5°	144.7	152.1	186.5	174.2	115.3	98.1	63.8	54.0	46.6	61.3	44.2
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: P457861
 CATALOG NUMBER: GALN-SA9B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5
2.5°	8096.0	8046.9	7941.4	7916.9	7902.2	7943.9	7833.5	7862.9	7813.9	7951.3	7929.2
5°	6778.6	6783.5	6869.3	6925.8	6945.4	6925.8	6852.2	6724.6	6626.5	6587.2	6597.0
7.5°	5841.4	5927.3	6074.5	6238.8	6388.5	6432.6	6390.9	6148.1	5883.1	5716.3	5662.3
10°	5529.8	5645.1	5814.4	5944.4	6076.9	6182.4	6204.5	6015.6	5701.5	5306.6	5152.0
12.5°	5547.0	5704.0	5865.9	5907.6	5895.4	5937.1	5917.4	5885.5	5679.5	5176.5	4918.9
15°	5385.1	5571.5	5684.4	5662.3	5623.0	5586.2	5534.7	5453.8	5380.2	5026.9	4742.3
17.5°	5012.2	5203.5	5296.7	5304.1	5304.1	5294.3	5169.2	5139.7	5129.9	4958.2	4784.0
20°	5080.9	5186.3	5144.6	5075.9	5095.6	5161.8	5088.2	5073.5	5129.9	5206.0	5174.1
22.5°	5120.1	5083.3	4769.3	4465.1	4396.4	4602.5	4644.2	4808.5	5036.7	5311.5	5490.6
25°	4877.2	4580.4	4018.6	3675.1	3481.3	3672.6	3922.9	4227.1	4568.1	4921.4	5129.9
27.5°	4077.4	3851.7	3449.4	3140.3	2971.0	3000.4	3213.9	3491.1	3807.6	4045.5	4197.7
30°	3071.6	2971.0	2762.5	2657.0	2553.9	2529.4	2620.2	2725.7	2865.5	2894.9	2934.2
32.5°	2262.0	2247.3	2259.5	2225.2	2205.5	2203.1	2176.1	2200.6	2215.4	2232.5	2198.2
35°	2046.1	2026.5	1992.1	1982.3	1970.0	1974.9	1962.7	1950.4	1960.2	1974.9	1984.7
37.5°	1935.7	1906.2	1857.2	1840.0	1840.0	1847.4	1827.7	1822.8	1840.0	1886.6	1911.1
40°	1849.8	1815.5	1759.0	1737.0	1751.7	1771.3	1744.3	1734.5	1776.2	1825.3	1864.5
42.5°	1768.9	1741.9	1687.9	1663.4	1675.6	1712.4	1673.2	1665.8	1719.8	1773.8	1820.4
45°	1700.2	1673.2	1624.1	1611.8	1616.7	1651.1	1624.1	1624.1	1675.6	1734.5	1776.2
47.5°	1646.2	1611.8	1579.9	1570.1	1575.0	1594.7	1589.8	1589.8	1638.8	1700.2	1741.9
50°	1592.2	1562.8	1521.1	1526.0	1538.2	1565.2	1562.8	1570.1	1619.2	1695.3	1739.4
52.5°	1567.7	1523.5	1476.9	1481.8	1518.6	1550.5	1540.7	1548.1	1604.5	1746.8	1810.6
55°	1540.7	1481.8	1427.8	1435.2	1476.9	1523.5	1511.3	1521.1	1587.3	1781.1	1869.4
57.5°	1489.2	1420.5	1361.6	1366.5	1427.8	1476.9	1457.3	1469.5	1548.1	1744.3	1837.5
58°	1467.1	1408.2	1351.8	1354.2	1413.1	1467.1	1445.0	1454.8	1535.8	1734.5	1822.8
60°	1373.9	1339.5	1290.5	1292.9	1349.3	1395.9	1383.7	1393.5	1472.0	1663.4	1729.6
62.5°	1246.3	1226.7	1214.4	1214.4	1248.7	1292.9	1305.2	1317.4	1388.6	1503.9	1562.8
65°	1108.9	1108.9	1111.4	1111.4	1133.4	1189.9	1197.2	1229.1	1295.4	1351.8	1395.9
67.5°	1015.7	1010.8	1015.7	1003.4	1013.2	1047.6	1084.4	1113.8	1182.5	1221.8	1236.5
70°	895.5	893.0	895.5	878.3	890.6	920.0	944.5	993.6	1064.7	1094.2	1101.5
72.5°	777.7	777.7	782.6	770.3	770.3	802.2	819.4	873.4	939.6	956.8	959.3
75°	655.0	662.4	662.4	645.2	650.1	669.8	691.8	736.0	797.3	809.6	809.6
77.5°	520.1	547.1	547.1	529.9	537.3	539.7	569.2	591.3	637.9	642.8	623.1
80°	377.8	404.8	426.9	412.2	424.4	409.7	426.9	441.6	488.2	466.1	434.2
82.5°	269.9	289.5	306.7	309.1	296.9	269.9	291.9	294.4	316.5	287.0	269.9
85°	149.7	166.8	188.9	179.1	159.5	142.3	149.7	154.6	152.1	144.7	134.9
87.5°	39.3	41.7	46.6	34.3	31.9	27.0	36.8	36.8	41.7	44.2	41.7
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: P457861
 CATALOG NUMBER: GALN-SA9B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5
2.5°	7946.4	8054.3	8287.4	8464.0	8679.9	8942.4	9251.5	9563.1	9899.2	10004.7	10151.9
5°	6574.9	6844.8	6957.7	7279.0	7598.0	8076.4	8586.7	9177.9	9825.6	10137.2	10436.5
7.5°	5618.1	5762.9	5880.6	6116.2	6498.9	7080.3	7720.6	8459.1	9376.6	9830.5	10269.7
10°	5102.9	5117.7	5262.4	5554.3	5888.0	6400.7	7006.7	7833.5	8856.5	9408.5	9923.7
12.5°	4761.9	4698.1	4855.1	5159.4	5537.2	6010.7	6567.6	7355.1	8481.2	9047.9	9671.0
15°	4462.6	4362.0	4479.8	4791.4	5164.3	5721.2	6319.8	7153.9	8334.0	8993.9	9685.8
17.5°	4470.0	4192.7	4234.5	4497.0	4867.4	5434.1	6160.3	7146.6	8557.2	9317.8	10137.2
20°	5022.0	4577.9	4389.0	4438.1	4796.3	5414.5	6233.9	7490.0	9290.8	10399.7	11275.5
22.5°	5564.2	5296.7	4992.5	4891.9	5088.2	5735.9	6702.5	8302.1	10885.4	12556.2	14138.6
25°	5375.3	5603.4	5527.4	5385.1	5429.2	5966.5	7021.4	8969.4	12124.4	14006.1	15492.8
27.5°	4300.7	4715.3	4798.7	4796.3	4813.4	5255.0	6314.9	8520.4	12278.9	14283.3	15703.8
30°	3022.5	3059.3	3103.5	3189.3	3267.8	3662.8	4941.0	7480.2	12210.2	14408.4	15831.4
32.5°	2181.0	2230.1	2291.4	2409.2	2595.6	3098.6	4322.8	7149.0	12573.3	14926.1	16204.3
35°	1994.6	2051.0	2109.9	2244.8	2421.4	2887.6	4077.4	7011.6	13169.5	15765.1	16874.0
37.5°	1935.7	1999.5	2051.0	2149.1	2291.4	2735.5	3854.2	6918.4	13780.4	16653.2	17772.0
40°	1894.0	1967.6	2009.3	2087.8	2185.9	2595.6	3655.5	6844.8	14371.6	17465.3	18493.2
42.5°	1857.2	1933.2	1987.2	2043.6	2124.6	2470.5	3478.8	6771.2	14884.4	18252.8	19212.1
45°	1813.0	1908.7	1977.4	2021.5	2092.7	2365.0	3343.9	6712.3	15468.3	18952.0	19938.2
47.5°	1776.2	1881.7	1967.6	2019.1	2046.1	2291.4	3235.9	6793.3	16169.9	19683.1	20612.9
50°	1778.7	1879.3	1987.2	2068.2	1997.0	2230.1	3169.7	7114.7	17082.6	20551.6	21145.3
52.5°	1857.2	1979.8	2065.7	2085.3	1928.3	2156.5	3135.4	7676.5	18162.0	21319.5	21682.6
55°	1945.5	2073.1	2166.3	2154.0	1891.5	2063.3	3128.0	8275.1	19344.5	22214.9	22381.8
57.5°	1913.6	2100.1	2242.3	2178.6	1894.0	1972.5	3096.1	8758.4	20333.2	22884.7	23073.6
58°	1903.8	2090.2	2252.2	2173.7	1886.6	1945.5	3088.7	8800.1	20470.6	22931.3	23171.7
60°	1808.1	2004.4	2244.8	2136.9	1844.9	1871.9	3007.8	8935.0	20433.8	22690.9	23230.6
62.5°	1633.9	1795.8	2075.5	1957.8	1717.3	1773.8	2826.2	8768.2	19437.8	21532.9	22369.5
65°	1437.7	1557.9	1744.3	1722.2	1535.8	1673.2	2578.5	8108.3	17443.2	19653.7	20534.4
67.5°	1290.5	1388.6	1506.3	1474.5	1381.2	1538.2	2311.0	6992.0	15205.8	17396.6	18505.5
70°	1140.8	1216.9	1275.7	1253.7	1224.2	1405.8	2073.1	5674.6	13061.6	15252.4	16326.9
72.5°	988.7	1059.8	1108.9	1077.0	1059.8	1265.9	1879.3	4403.7	10316.3	12583.2	13964.4
75°	826.8	897.9	932.3	895.5	885.7	1116.3	1592.2	3289.9	7740.3	9700.5	10892.8
77.5°	640.3	716.4	760.5	748.3	753.2	917.5	1285.5	2252.2	5534.7	6611.7	7867.8
80°	449.0	532.4	561.8	549.5	583.9	699.2	907.7	1430.3	3817.4	4290.9	5176.5
82.5°	277.2	355.7	360.6	372.9	397.4	517.7	684.5	870.9	2396.9	2477.9	3120.6
85°	139.8	169.3	181.5	201.2	223.3	316.5	390.1	539.7	1543.1	1167.8	1744.3
87.5°	46.6	49.1	58.9	73.6	90.8	130.0	166.8	220.8	382.7	211.0	539.7
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: P457861

CATALOG NUMBER: GALN-SA9B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5	9332.5
2.5°	10448.8	10657.3	10809.4	10949.2	10814.3	10802.0	10669.6	10456.1	10367.8	10367.8
5°	11064.5	11552.8	11947.7	12200.4	12092.5	11832.4	11403.1	10856.0	10561.6	10510.1
7.5°	11233.8	12198.0	12931.5	13191.6	13010.0	12436.0	11614.1	10691.6	10269.7	10176.4
10°	11130.8	12384.4	13461.4	13873.6	13620.9	12752.4	11631.3	10500.3	9980.2	9872.2
12.5°	11022.8	12409.0	13559.6	14155.7	13991.4	13007.6	11756.4	10375.2	9774.1	9619.5
15°	11101.3	12418.8	13439.4	14055.2	14160.6	13314.2	11962.5	10465.9	9732.4	9568.0
17.5°	11596.9	12605.2	13267.6	13765.7	14136.1	13731.3	12548.8	10900.2	10105.3	9901.7
20°	12632.2	13051.7	13365.8	13750.9	14347.1	14582.6	13748.5	12092.5	11152.9	10973.8
22.5°	15630.2	15554.1	14911.4	14904.0	15767.6	16712.1	16655.7	14516.4	13103.3	12956.1
25°	16753.8	16400.5	15470.7	15245.0	15625.3	17082.6	16871.6	15012.0	13706.8	13348.6
27.5°	16314.7	15438.8	14828.0	14776.4	14651.3	16027.6	16535.5	15213.1	13917.8	13569.4
30°	16287.7	14999.7	14126.3	14229.3	14349.6	15664.5	16721.9	15843.6	14457.5	14084.6
32.5°	16353.9	15061.0	14177.8	14197.4	14555.6	15718.5	16928.0	16530.6	15166.5	14793.6
35°	16621.3	15409.4	14506.6	14460.0	15019.3	16071.8	17278.8	17610.0	16135.6	15711.2
37.5°	17053.1	16103.7	15107.6	15095.4	15907.4	16709.7	17715.5	18699.3	17099.7	16643.4
40°	17688.5	16915.7	16177.3	16111.0	17114.5	17747.4	18282.2	19859.7	18220.9	17634.6
42.5°	18456.4	17889.7	17588.0	17850.5	18814.6	18912.8	19165.4	20931.8	19175.3	18493.2
45°	19167.9	19140.9	19560.4	20257.2	20819.0	20230.2	20087.9	21650.7	19916.2	19175.3
47.5°	20014.3	20745.4	22011.3	23031.9	23620.7	21763.5	20875.4	22119.3	20455.9	19773.9
50°	20873.0	22666.4	24687.9	26110.8	26236.0	23429.3	21417.6	22560.9	20946.6	20237.6
52.5°	21775.8	24199.7	26891.0	28544.5	28301.7	24879.3	21942.6	22860.2	21452.0	20828.8
55°	22560.9	25139.3	28122.6	29709.9	29354.1	25762.5	22509.3	23184.0	22173.2	21648.2
57.5°	23000.0	25217.8	27815.9	29202.0	28816.9	25590.7	22769.4	23424.4	22634.5	22222.3
58°	23063.8	25112.3	27543.6	28907.6	28515.1	25446.0	22766.9	23414.6	22663.9	22249.3
60°	23007.4	24427.9	26530.4	27744.8	27332.6	24538.3	22673.7	23230.6	22291.0	21940.2
62.5°	22484.8	23240.4	24781.1	25664.3	25546.6	23120.2	22291.0	22536.3	21155.1	20816.5
65°	21797.9	21621.2	22541.2	23166.8	23255.2	22057.9	21910.7	21034.9	19697.8	19219.4
67.5°	20963.7	19786.1	19783.7	20139.4	20286.6	20424.0	21118.3	19403.4	17597.8	17092.4
70°	19548.2	16957.4	16177.3	16596.8	16474.1	17634.6	19702.7	17112.0	15065.9	14474.7
72.5°	16952.5	13456.5	12207.8	12747.5	12438.4	13829.4	17239.6	14082.1	12458.0	11731.8
75°	13741.1	10066.0	8778.0	9273.6	9082.2	10490.5	14344.6	10228.0	8935.0	8657.8
77.5°	10669.6	7293.8	6545.5	6476.8	6619.1	7806.5	10522.4	6906.1	5890.5	5701.5
80°	6854.6	5220.7	5264.9	5176.5	5250.1	4921.4	6388.5	4406.2	3989.1	3837.0
82.5°	4511.7	3638.3	4337.5	4003.8	3802.7	3309.5	4190.3	2885.1	2448.4	2365.0
85°	3074.0	2679.0	2438.6	1864.5	2195.7	2549.0	3142.7	1553.0	1231.6	1116.3
87.5°	1388.6	932.3	684.5	422.0	667.3	770.3	1526.0	181.5	139.8	144.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)