

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: P458325

Luminaire Tested: **GALN-SA9D-727-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458325
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-SA9D-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1200mA 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: 50556 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

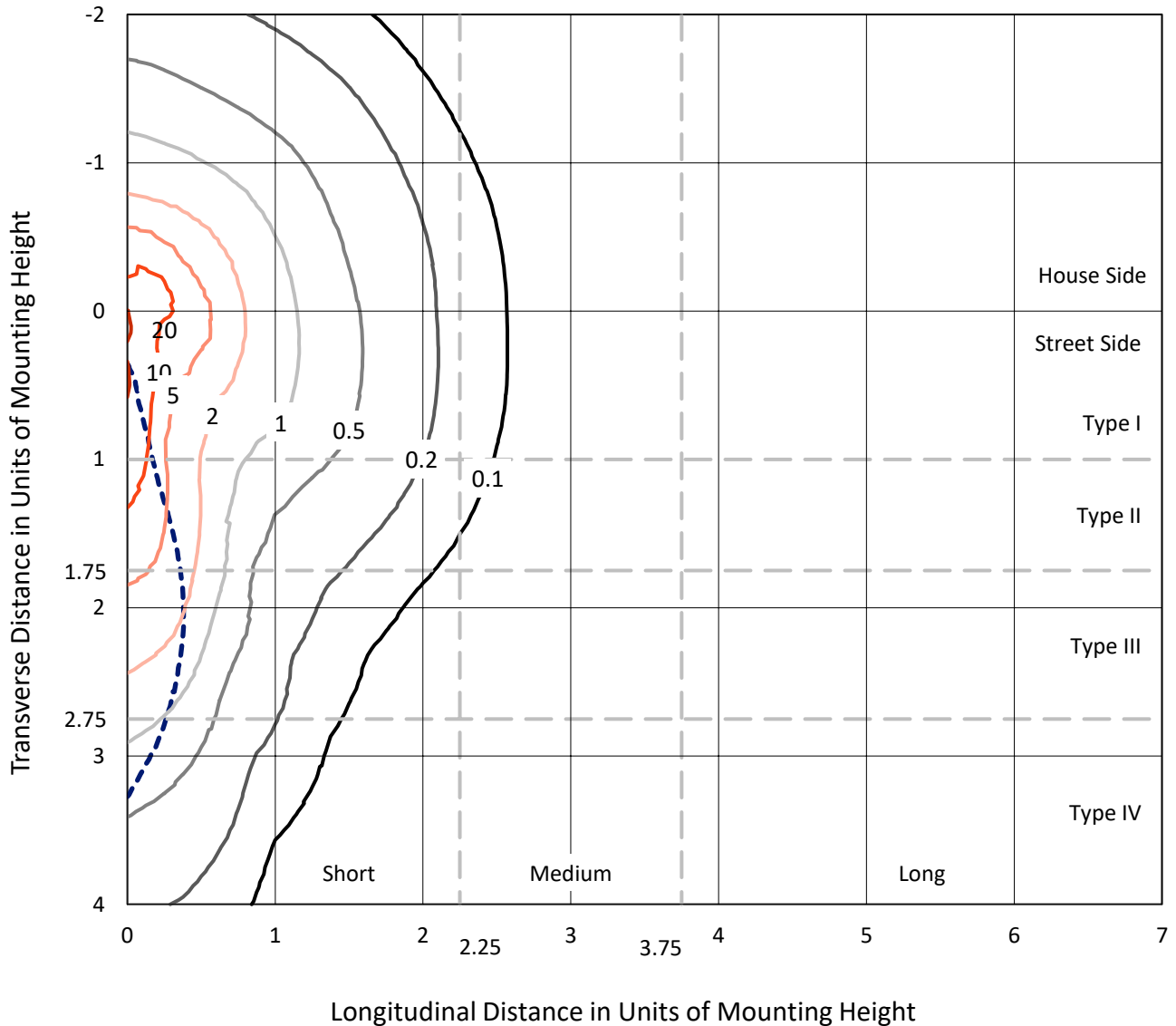
Input Watts (W): 552
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P458325
 CATALOG NUMBER: GALN-SA9D-727-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

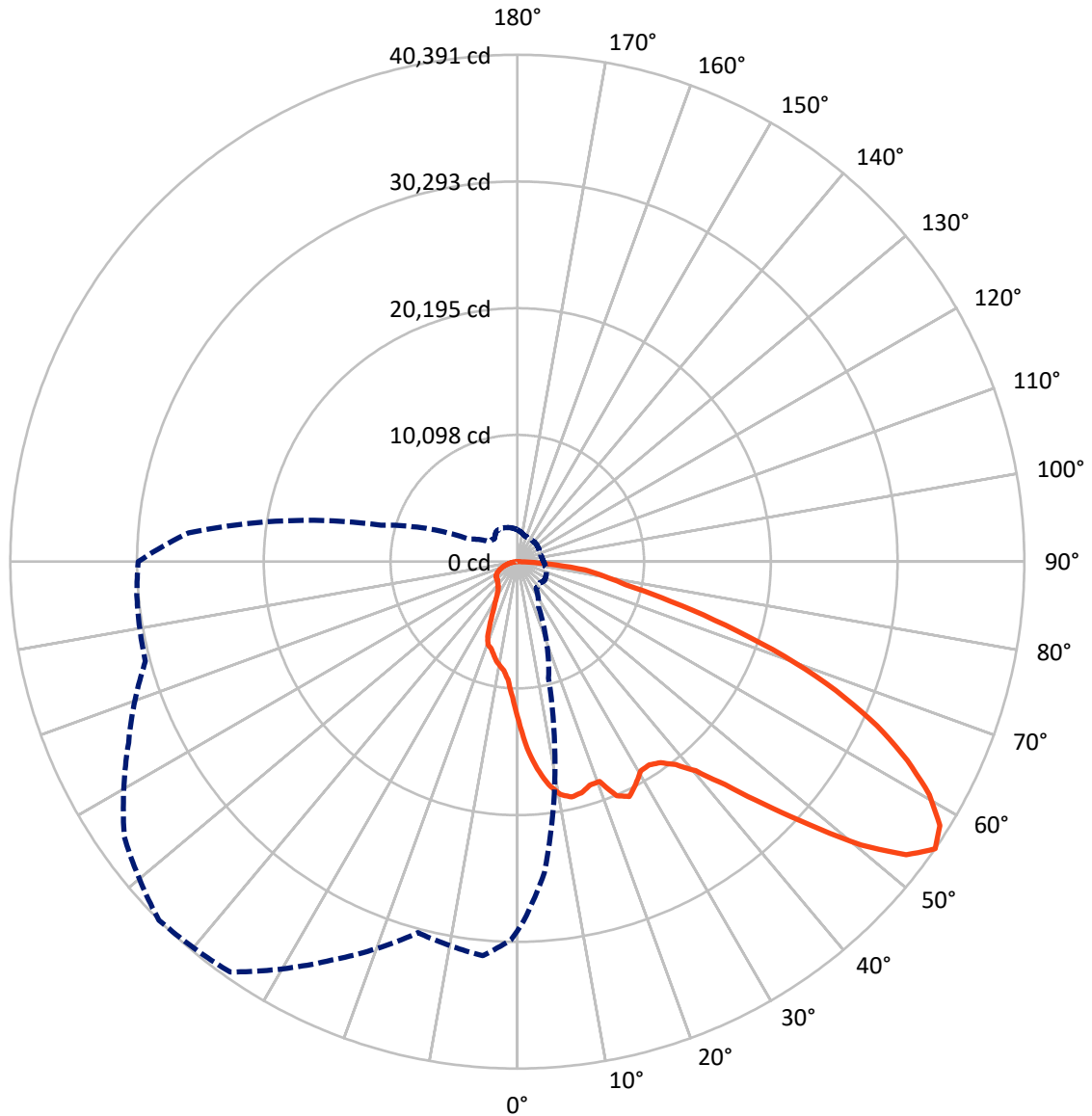
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P458325
CATALOG NUMBER: GALN-SA9D-727-U-SLR

Luminous Intensity Polar Plot



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



REPORT NUMBER: P458325

CATALOG NUMBER: GALN-SA9D-727-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11058.9	0.0	11058.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	39497.1	0.0	39497.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	50556.0	0.0	50556.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1075.3	2.1
10°-20°	2852.8	5.6
20°-30°	4928.4	9.7
30°-40°	5727.6	11.3
40°-50°	7991.1	15.8
50°-60°	10843.0	21.4
60°-70°	10315.9	20.4
70°-80°	5572.9	11.0
80°-90°	1249.0	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°	50556.0	100.0
0°-180°	50556.0	100.0



REPORT NUMBER: P458325

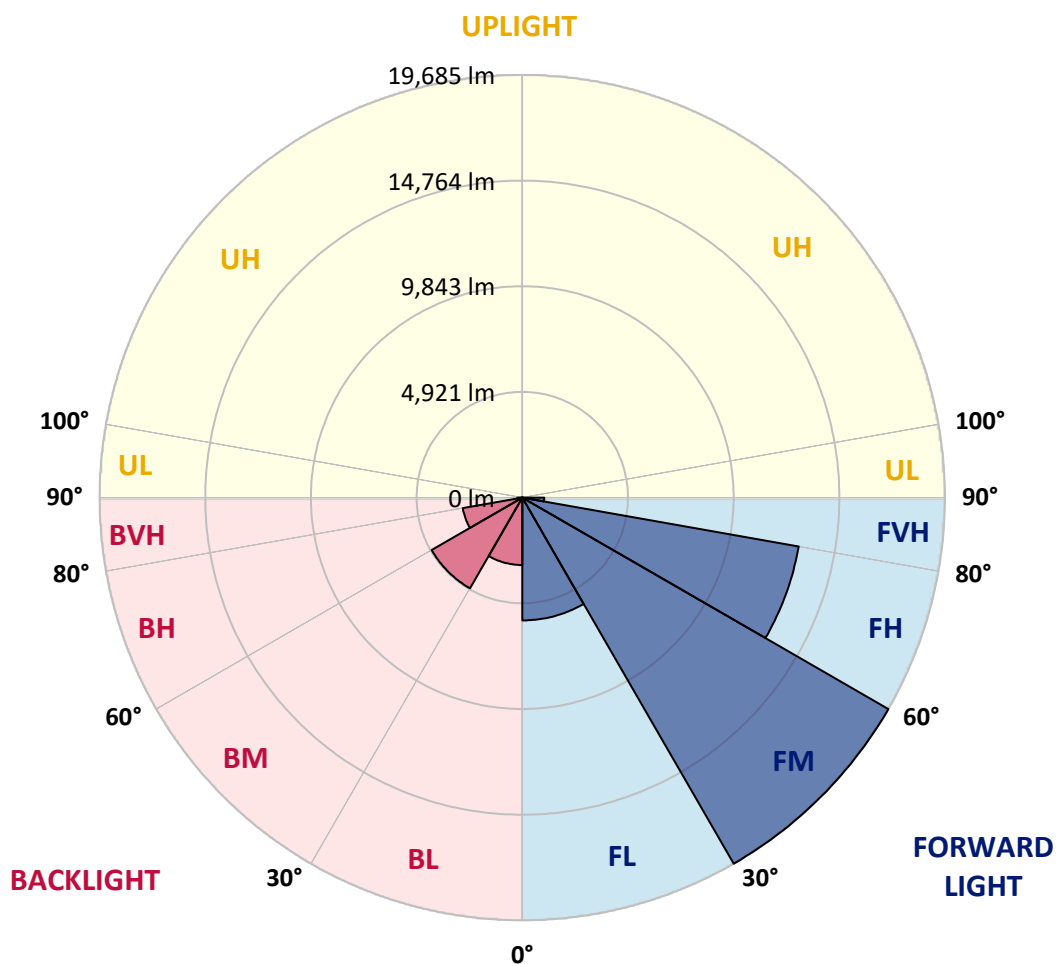
CATALOG NUMBER: GALN-SA9D-727-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5718.0	11.3			
FM	(30°-60°)	19685.4	38.9			
FH	(60°-80°)	13072.9	25.9			G5
FVH	(80°-90°)	1020.7	2.0			G5
BL	(0°-30°)	3138.5	6.2	B4/5000		
BM	(30°-60°)	4876.3	9.6	B3/5000		
BH	(60°-80°)	2815.9	5.6	B4/5000		G4/5000
BVH	(80°-90°)	228.2	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





REPORT NUMBER: P458325

CATALOG NUMBER: GALN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6
2.5°	14095.1	14041.7	13891.6	13498.1	13101.2	12697.6	12387.4	12000.5	11596.9	11380.1	11103.3
5°	14288.5	14228.5	13875.0	12987.8	12183.9	11340.1	10666.4	10076.0	9835.9	9482.3	9198.8
7.5°	13834.9	13808.3	13277.9	12003.8	10903.2	9799.2	9035.4	8561.8	8131.5	7971.4	8004.8
10°	13421.4	13314.6	12650.9	10986.6	9702.5	8805.3	8258.3	7794.7	7491.1	7411.1	7427.8
12.5°	13077.8	12934.4	12150.6	10302.8	9178.8	8461.7	7764.6	7281.0	7004.2	7080.9	7341.1
15°	13007.8	12814.3	11940.5	10069.4	8892.0	7968.1	7204.3	6647.3	6440.5	6607.3	7024.2
17.5°	13461.4	13217.9	12300.7	10146.1	8618.5	7464.5	6527.2	5890.2	5716.7	5983.6	6527.2
20°	14918.9	14558.7	13424.7	10589.7	8591.8	7214.3	6133.7	5493.3	5566.7	6073.6	6640.6
22.5°	17613.9	17073.5	15392.5	11236.7	8731.9	7150.9	6053.6	5720.1	6123.7	6553.9	6927.5
25°	18147.5	17723.9	15746.1	11383.5	8701.9	7107.6	6280.4	6447.2	6897.5	7110.9	6980.8
27.5°	18447.7	17964.1	15722.7	10656.4	7781.3	6447.2	6003.6	6280.4	6393.8	6187.0	5833.5
30°	19148.1	18644.5	16119.6	9892.6	6407.2	4782.9	4192.5	4079.1	4155.8	4195.8	4069.1
32.5°	20112.0	19615.1	16866.7	9392.3	5540.0	3955.7	3375.4	3215.3	3178.6	3135.2	3085.2
35°	21359.4	20595.6	17600.5	9072.1	5183.1	3658.9	3125.2	3001.8	2951.8	2891.7	2838.4
37.5°	22626.9	21826.4	18527.7	8735.2	4946.3	3452.1	2958.4	2901.7	2815.0	2751.6	2674.9
40°	23974.3	23077.1	19371.6	8441.7	4716.2	3318.6	2838.4	2831.7	2718.3	2644.9	2554.9
42.5°	25141.7	24217.8	20125.4	8261.6	4539.4	3178.6	2765.0	2785.0	2668.3	2558.2	2441.5
45°	26068.9	25161.7	20822.4	8261.6	4396.0	3038.5	2751.6	2738.3	2621.6	2484.8	2351.4
47.5°	26882.7	25945.5	21502.8	8471.7	4305.9	2921.7	2678.3	2701.6	2581.5	2408.1	2278.0
50°	27513.1	26685.9	22420.1	8798.6	4215.9	2828.4	2584.9	2711.6	2548.2	2368.1	2218.0
52.5°	28316.9	27576.5	23524.1	9245.5	4139.1	2725.0	2501.5	2711.6	2544.9	2371.4	2208.0
55°	29430.9	28650.5	24854.9	9615.7	4015.7	2628.2	2428.1	2634.9	2534.8	2354.7	2181.3
57.5°	30211.4	29627.7	25795.4	9862.6	3839.0	2504.8	2361.4	2561.5	2491.5	2291.4	2101.3
58°	30248.1	29677.7	25932.2	9919.3	3795.6	2481.5	2344.7	2528.2	2471.5	2264.7	2074.6
60°	29827.8	29337.5	25958.8	9839.2	3548.8	2364.7	2258.0	2391.4	2364.7	2107.9	1931.2
62.5°	28300.2	27776.6	24881.5	9188.8	3221.9	2221.3	2124.6	2208.0	2148.0	1887.8	1724.4
65°	26128.9	25165.0	22666.9	8168.2	2988.5	2067.9	1944.5	1951.2	1887.8	1701.0	1557.6
67.5°	23237.2	22159.9	19191.5	6884.1	2811.7	1897.8	1731.0	1714.4	1637.6	1517.6	1400.8
70°	19678.4	18941.3	15596.0	5600.0	2614.9	1711.0	1490.9	1480.9	1434.2	1344.1	1240.7
72.5°	15949.5	15012.3	12594.2	4482.7	2374.8	1530.9	1267.4	1287.4	1227.4	1164.0	1070.6
75°	11770.4	11156.7	9735.8	3595.5	2051.2	1334.1	1057.3	1064.0	1037.3	970.6	897.2
77.5°	7751.3	7567.9	6964.2	2361.4	1577.6	1060.6	863.8	870.5	850.5	790.5	713.8
80°	5216.5	5093.0	4719.5	1520.9	1054.0	767.1	667.1	673.7	670.4	607.0	503.6
82.5°	3215.3	3161.9	3041.8	1027.3	730.4	550.3	440.3	460.3	497.0	426.9	343.5
85°	1517.6	1520.9	1837.8	560.3	430.3	353.5	240.1	256.8	256.8	256.8	193.4
87.5°	196.8	206.8	253.5	236.8	156.8	133.4	86.7	73.4	63.4	83.4	60.0
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: P458325

CATALOG NUMBER: GALN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6
2.5°	11006.6	10939.9	10796.5	10763.1	10743.1	10799.8	10649.7	10689.7	10623.0	10809.8	10779.8
5°	9215.5	9222.2	9338.9	9415.6	9442.3	9415.6	9315.6	9142.1	9008.7	8955.4	8968.7
7.5°	7941.4	8058.1	8258.3	8481.7	8685.2	8745.2	8688.5	8358.3	7998.1	7771.3	7697.9
10°	7517.8	7674.6	7904.7	8081.5	8261.6	8405.0	8435.0	8178.2	7751.3	7214.3	7004.2
12.5°	7541.2	7754.6	7974.8	8031.5	8014.8	8071.5	8044.8	8001.4	7721.3	7037.5	6687.3
15°	7321.0	7574.5	7728.0	7697.9	7644.6	7594.5	7524.5	7414.4	7314.4	6834.1	6447.2
17.5°	6814.1	7074.2	7201.0	7211.0	7211.0	7197.6	7027.5	6987.5	6974.2	6740.7	6503.9
20°	6907.5	7050.9	6994.2	6900.8	6927.5	7017.5	6917.5	6897.5	6974.2	7077.6	7034.2
22.5°	6960.8	6910.8	6483.9	6070.3	5976.9	6257.1	6313.8	6537.2	6847.4	7221.0	7464.5
25°	6630.6	6227.1	5463.3	4996.3	4732.8	4993.0	5333.2	5746.8	6210.4	6690.7	6974.2
27.5°	5543.3	5236.5	4689.5	4269.2	4039.1	4079.1	4369.3	4746.2	5176.4	5500.0	5706.7
30°	4175.8	4039.1	3755.6	3612.2	3472.1	3438.7	3562.1	3705.5	3895.7	3935.7	3989.1
32.5°	3075.2	3055.2	3071.8	3025.1	2998.5	2995.1	2958.4	2991.8	3011.8	3035.1	2988.5
35°	2781.7	2755.0	2708.3	2694.9	2678.3	2684.9	2668.3	2651.6	2664.9	2684.9	2698.3
37.5°	2631.6	2591.5	2524.8	2501.5	2501.5	2511.5	2484.8	2478.1	2501.5	2564.9	2598.2
40°	2514.8	2468.1	2391.4	2361.4	2381.4	2408.1	2371.4	2358.1	2414.8	2481.5	2534.8
42.5°	2404.8	2368.1	2294.7	2261.4	2278.0	2328.1	2274.7	2264.7	2338.1	2411.4	2474.8
45°	2311.4	2274.7	2208.0	2191.3	2198.0	2244.7	2208.0	2208.0	2278.0	2358.1	2414.8
47.5°	2238.0	2191.3	2148.0	2134.6	2141.3	2168.0	2161.3	2161.3	2228.0	2311.4	2368.1
50°	2164.6	2124.6	2067.9	2074.6	2091.2	2127.9	2124.6	2134.6	2201.3	2304.7	2364.7
52.5°	2131.3	2071.2	2007.9	2014.5	2064.6	2107.9	2094.6	2104.6	2181.3	2374.8	2461.5
55°	2094.6	2014.5	1941.2	1951.2	2007.9	2071.2	2054.6	2067.9	2158.0	2421.4	2541.5
57.5°	2024.5	1931.2	1851.1	1857.8	1941.2	2007.9	1981.2	1997.9	2104.6	2371.4	2498.2
58°	1994.5	1914.5	1837.8	1841.1	1921.1	1994.5	1964.5	1977.8	2087.9	2358.1	2478.1
60°	1867.8	1821.1	1754.4	1757.7	1834.4	1897.8	1881.1	1894.5	2001.2	2261.4	2351.4
62.5°	1694.3	1667.7	1651.0	1651.0	1697.7	1757.7	1774.4	1791.1	1887.8	2044.6	2124.6
65°	1507.6	1507.6	1510.9	1510.9	1540.9	1617.6	1627.6	1671.0	1761.1	1837.8	1897.8
67.5°	1380.8	1374.2	1380.8	1364.1	1377.5	1424.2	1474.2	1514.2	1607.6	1661.0	1681.0
70°	1217.4	1214.1	1217.4	1194.0	1210.7	1250.7	1284.1	1350.8	1447.5	1487.6	1497.6
72.5°	1057.3	1057.3	1064.0	1047.3	1047.3	1090.7	1114.0	1187.4	1277.4	1300.8	1304.1
75°	890.5	900.5	900.5	877.2	883.9	910.5	940.6	1000.6	1084.0	1100.7	1100.7
77.5°	707.1	743.8	743.8	720.4	730.4	733.8	773.8	803.8	867.2	873.9	847.2
80°	513.6	550.3	580.3	560.3	577.0	557.0	580.3	600.4	663.7	633.7	590.4
82.5°	366.9	393.6	416.9	420.3	403.6	366.9	396.9	400.2	430.3	390.2	366.9
85°	203.5	226.8	256.8	243.5	216.8	193.4	203.5	210.1	206.8	196.8	183.4
87.5°	53.4	56.7	63.4	46.7	43.4	36.7	50.0	50.0	56.7	60.0	56.7
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: P458325

CATALOG NUMBER: GALN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6
2.5°	10803.1	10949.9	11266.7	11506.9	11800.4	12157.3	12577.5	13001.1	13458.0	13601.5	13801.6
5°	8938.7	9305.6	9459.0	9895.9	10329.5	10979.9	11673.6	12477.5	13358.0	13781.6	14188.5
7.5°	7637.9	7834.7	7994.8	8315.0	8835.3	9625.8	10496.3	11500.2	12747.6	13364.7	13961.7
10°	6937.5	6957.5	7154.3	7551.2	8004.8	8701.9	9525.7	10649.7	12040.5	12791.0	13491.4
12.5°	6473.9	6387.1	6600.6	7014.2	7527.8	8171.5	8928.7	9999.3	11530.2	12300.7	13147.9
15°	6067.0	5930.2	6090.3	6513.9	7020.9	7778.0	8591.8	9725.8	11330.1	12227.3	13167.9
17.5°	6077.0	5700.1	5756.8	6113.7	6617.3	7387.7	8375.0	9715.8	11633.6	12667.6	13781.6
20°	6827.4	6223.7	5966.9	6033.6	6520.6	7361.1	8475.1	10182.8	12630.9	14138.4	15329.2
22.5°	7564.5	7201.0	6787.4	6650.6	6917.5	7798.0	9112.1	11286.7	14798.8	17070.2	19221.5
25°	7307.7	7617.9	7514.5	7321.0	7381.1	8111.5	9545.7	12194.0	16483.2	19041.4	21062.6
27.5°	5846.8	6410.5	6523.9	6520.6	6543.9	7144.3	8585.1	11583.6	16693.3	19418.3	21349.4
30°	4109.1	4159.2	4219.2	4335.9	4442.7	4979.6	6717.3	10169.4	16599.9	19588.4	21522.9
32.5°	2965.1	3031.8	3115.2	3275.3	3528.8	4212.5	5876.8	9719.1	17093.5	20292.1	22029.8
35°	2711.6	2788.3	2868.4	3051.8	3292.0	3925.7	5543.3	9532.4	17904.0	21432.8	22940.4
37.5°	2631.6	2718.3	2788.3	2921.7	3115.2	3718.9	5239.8	9405.6	18734.5	22640.2	24161.1
40°	2574.9	2674.9	2731.6	2838.4	2971.8	3528.8	4969.6	9305.6	19538.3	23744.2	25141.7
42.5°	2524.8	2628.2	2701.6	2778.3	2888.4	3358.7	4729.5	9205.5	20235.4	24814.8	26118.9
45°	2464.8	2594.9	2688.3	2748.3	2845.0	3215.3	4546.0	9125.5	21029.2	25765.4	27106.2
47.5°	2414.8	2558.2	2674.9	2745.0	2781.7	3115.2	4399.3	9235.5	21983.1	26759.3	28023.4
50°	2418.1	2554.9	2701.6	2811.7	2715.0	3031.8	4309.2	9672.4	23223.9	27940.0	28747.2
52.5°	2524.8	2691.6	2808.3	2835.0	2621.6	2931.8	4262.5	10436.2	24691.4	28984.0	29477.6
55°	2644.9	2818.4	2945.1	2928.4	2571.5	2805.0	4252.5	11250.1	26299.0	30201.4	30428.2
57.5°	2601.6	2855.0	3048.5	2961.8	2574.9	2681.6	4209.2	11907.1	27643.2	31111.9	31368.7
58°	2588.2	2841.7	3061.8	2955.1	2564.9	2644.9	4199.2	11963.8	27830.0	31175.3	31502.2
60°	2458.1	2725.0	3051.8	2905.1	2508.2	2544.9	4089.1	12147.3	27779.9	30848.4	31582.2
62.5°	2221.3	2441.5	2821.7	2661.6	2334.7	2411.4	3842.3	11920.5	26425.8	29274.2	30411.5
65°	1954.5	2117.9	2371.4	2341.4	2087.9	2274.7	3505.4	11023.3	23714.2	26719.3	27916.7
67.5°	1754.4	1887.8	2047.9	2004.5	1877.8	2091.2	3141.9	9505.7	20672.4	23650.8	25158.4
70°	1550.9	1654.3	1734.4	1704.4	1664.3	1911.1	2818.4	7714.6	17757.3	20735.7	22196.6
72.5°	1344.1	1440.9	1507.6	1464.2	1440.9	1721.0	2554.9	5986.9	14025.0	17106.9	18984.7
75°	1124.0	1220.7	1267.4	1217.4	1204.1	1517.6	2164.6	4472.7	10523.0	13187.9	14808.8
77.5°	870.5	973.9	1034.0	1017.3	1023.9	1247.4	1747.7	3061.8	7524.5	8988.7	10696.4
80°	610.4	723.8	763.8	747.1	793.8	950.6	1234.1	1944.5	5189.8	5833.5	7037.5
82.5°	376.9	483.6	490.3	507.0	540.3	703.8	930.6	1184.0	3258.6	3368.7	4242.5
85°	190.1	230.1	246.8	273.5	303.5	430.3	530.3	733.8	2097.9	1587.6	2371.4
87.5°	63.4	66.7	80.0	100.1	123.4	176.8	226.8	300.2	520.3	286.8	733.8
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: P458325

CATALOG NUMBER: GALN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6	12687.6
2.5°	14205.2	14488.7	14695.4	14885.6	14702.1	14685.4	14505.3	14215.2	14095.1	14095.1
5°	15042.3	15706.1	16243.0	16586.6	16439.8	16086.3	15502.6	14758.8	14358.6	14288.5
7.5°	15272.5	16583.2	17580.5	17934.0	17687.2	16906.8	15789.4	14535.4	13961.7	13834.9
10°	15132.4	16836.7	18300.9	18861.3	18517.7	17337.0	15812.8	14275.2	13568.1	13421.4
12.5°	14985.6	16870.1	18434.3	19244.8	19021.4	17683.9	15982.9	14105.1	13287.9	13077.8
15°	15092.4	16883.4	18270.9	19108.1	19251.5	18100.8	16263.1	14228.5	13231.2	13007.8
17.5°	15766.1	17136.9	18037.4	18714.5	19218.1	18667.8	17060.2	14818.9	13738.2	13461.4
20°	17173.6	17743.9	18170.9	18694.5	19505.0	19825.2	18691.2	16439.8	15162.4	14918.9
22.5°	21249.4	21146.0	20272.1	20262.1	21436.1	22720.2	22643.5	19735.1	17814.0	17613.9
25°	22776.9	22296.7	21032.6	20725.7	21242.7	23223.9	22937.0	20408.9	18634.5	18147.5
27.5°	22179.9	20989.2	20158.7	20088.7	19918.6	21789.7	22480.1	20682.4	18921.3	18447.7
30°	22143.2	20392.2	19204.8	19344.9	19508.3	21296.1	22733.6	21539.5	19655.1	19148.1
32.5°	22233.3	20475.6	19274.9	19301.5	19788.5	21369.4	23013.8	22473.4	20619.0	20112.0
35°	22596.8	20949.2	19721.8	19658.4	20418.9	21849.7	23490.7	23941.0	21936.4	21359.4
37.5°	23183.9	21893.1	20538.9	20522.3	21626.3	22716.9	24084.4	25421.9	23247.2	22626.9
40°	24047.7	22997.1	21993.1	21903.1	23267.2	24127.8	24854.9	26999.5	24771.5	23974.3
42.5°	25091.7	24321.2	23911.0	24267.8	25578.6	25712.0	26055.6	28457.0	26068.9	25141.7
45°	26058.9	26022.2	26592.6	27539.8	28303.6	27503.1	27309.7	29434.3	27076.2	26068.9
47.5°	27209.6	28203.5	29924.5	31312.0	32112.5	29587.7	28380.3	30071.3	27810.0	26882.7
50°	28377.0	30815.1	33563.4	35497.9	35668.0	31852.4	29117.4	30671.7	28477.0	27513.1
52.5°	29604.4	32899.7	36558.5	38806.5	38476.3	33823.5	29831.2	31078.6	29164.1	28316.9
55°	30671.7	34177.1	38232.8	40390.8	39907.2	35024.3	30601.6	31518.8	30144.7	29430.9
57.5°	31268.7	34283.8	37815.9	39700.4	39176.7	34790.8	30955.2	31845.7	30771.7	30211.4
58°	31355.4	34140.4	37445.7	39300.1	38766.5	34594.0	30951.8	31832.4	30811.7	30248.1
60°	31278.7	33209.8	36068.2	37719.2	37158.9	33359.9	30825.1	31582.2	30304.8	29827.8
62.5°	30568.3	31595.5	33690.1	34890.8	34730.8	31432.1	30304.8	30638.3	28760.5	28300.2
65°	29634.4	29394.2	30645.0	31495.5	31615.6	29987.9	29787.8	28597.1	26779.3	26128.9
67.5°	28500.4	26899.4	26896.1	27379.7	27579.8	27766.6	28710.5	26379.1	23924.3	23237.2
70°	26575.9	23053.8	21993.1	22563.5	22396.7	23974.3	26786.0	23263.9	20482.2	19678.4
72.5°	23047.1	18294.3	16596.6	17330.4	16910.1	18801.2	23437.3	19144.8	16936.8	15949.5
75°	18681.2	13684.8	11933.8	12607.5	12347.4	14261.9	19501.7	13905.0	12147.3	11770.4
77.5°	14505.3	9915.9	8898.7	8805.3	8998.7	10613.0	14305.2	9388.9	8008.1	7751.3
80°	9318.9	7097.6	7157.6	7037.5	7137.6	6690.7	8685.2	5990.2	5423.2	5216.5
82.5°	6133.7	4946.3	5896.9	5443.3	5169.8	4499.4	5696.7	3922.3	3328.7	3215.3
85°	4179.2	3642.2	3315.3	2534.8	2985.1	3465.4	4272.6	2111.3	1674.3	1517.6
87.5°	1887.8	1267.4	930.6	573.7	907.2	1047.3	2074.6	246.8	190.1	196.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)