

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: P942802

Luminaire Tested: **GALN-SB7A-727-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7A-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

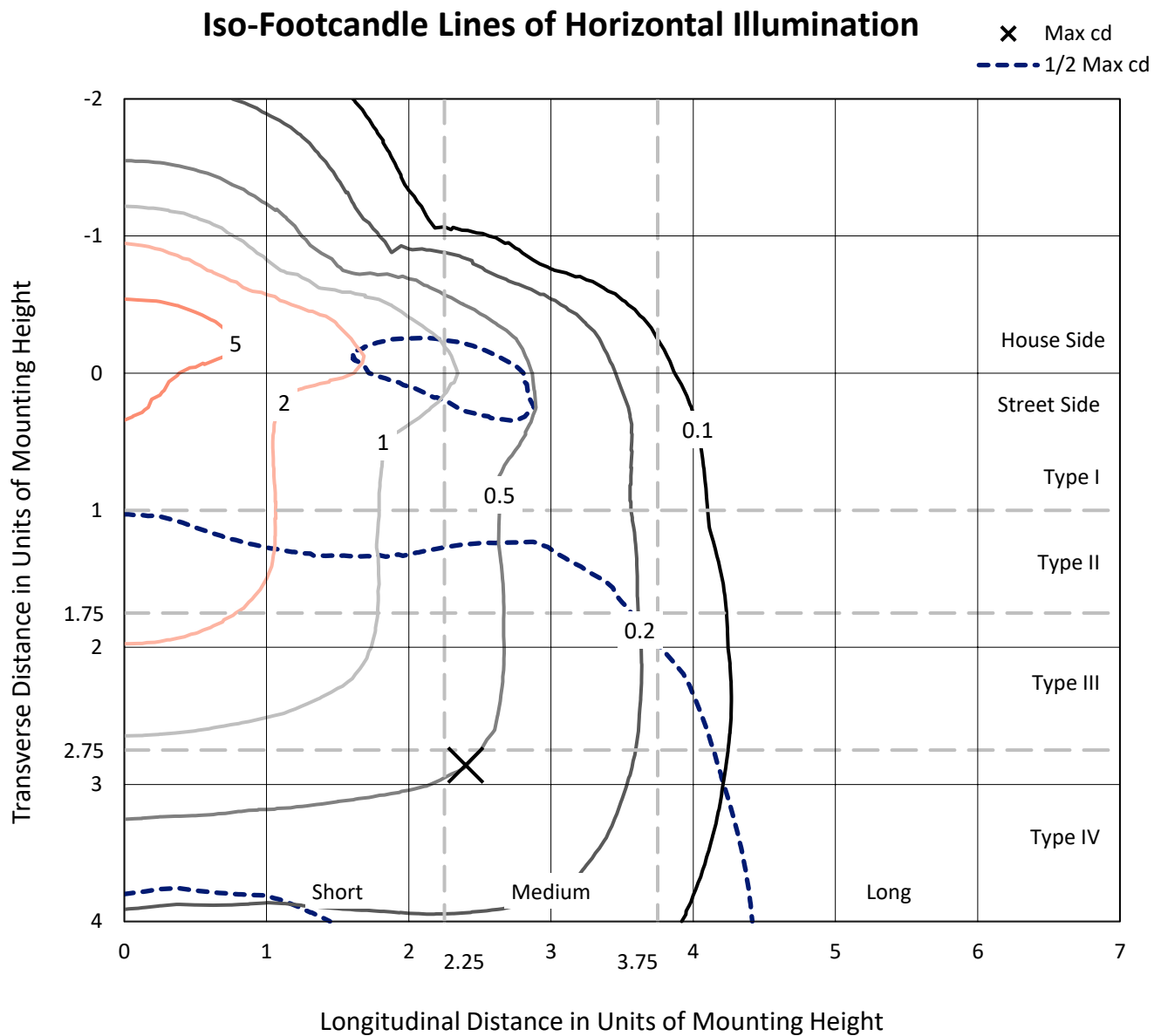
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29331 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 199.1
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: P942802
CATALOG NUMBER: GALN-SB7A-727-U-SL4

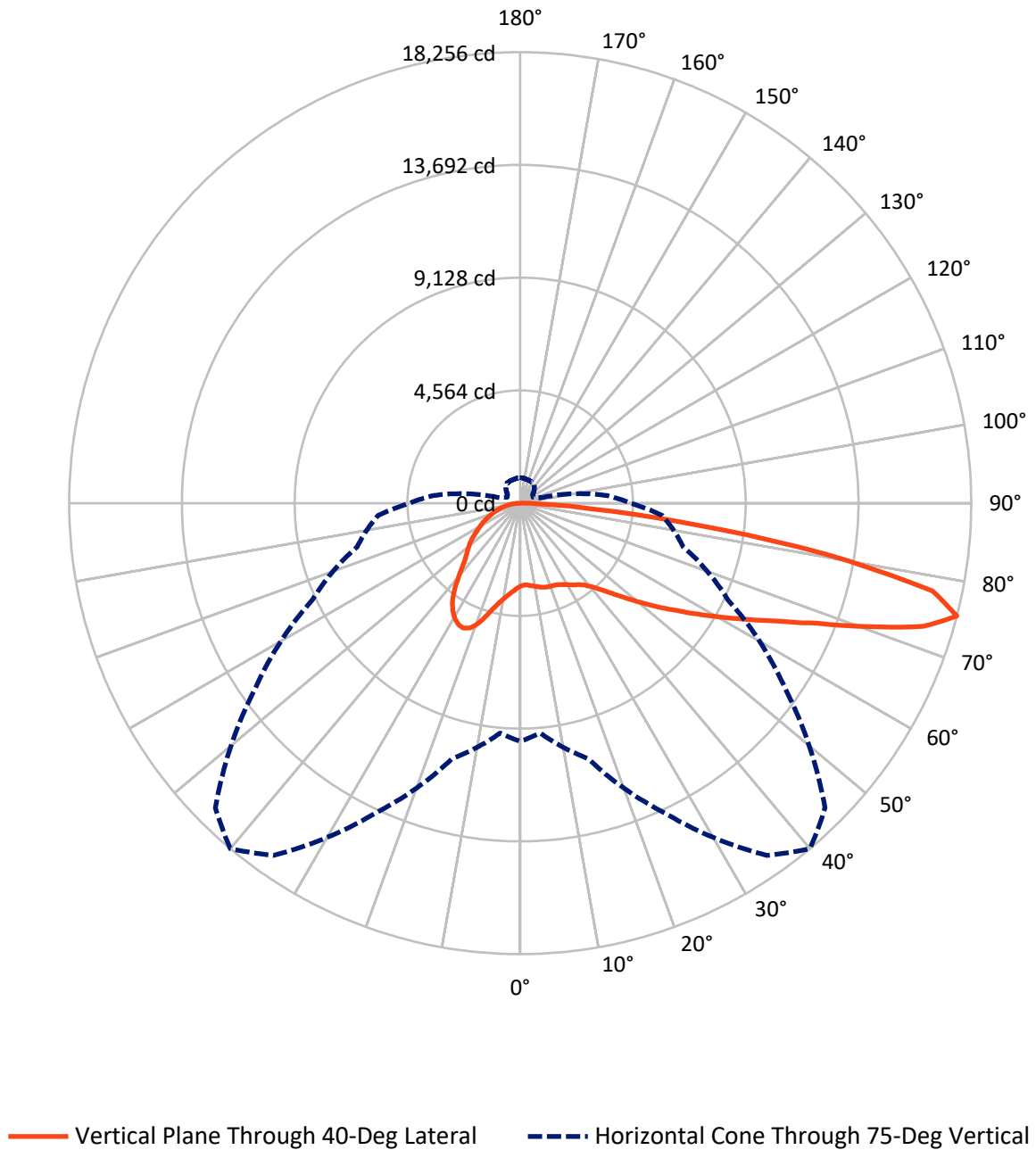


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type IV - Medium - N/A

REPORT NUMBER: P942802

CATALOG NUMBER: GALN-SB7A-727-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P942802

CATALOG NUMBER: GALN-SB7A-727-U-SL4

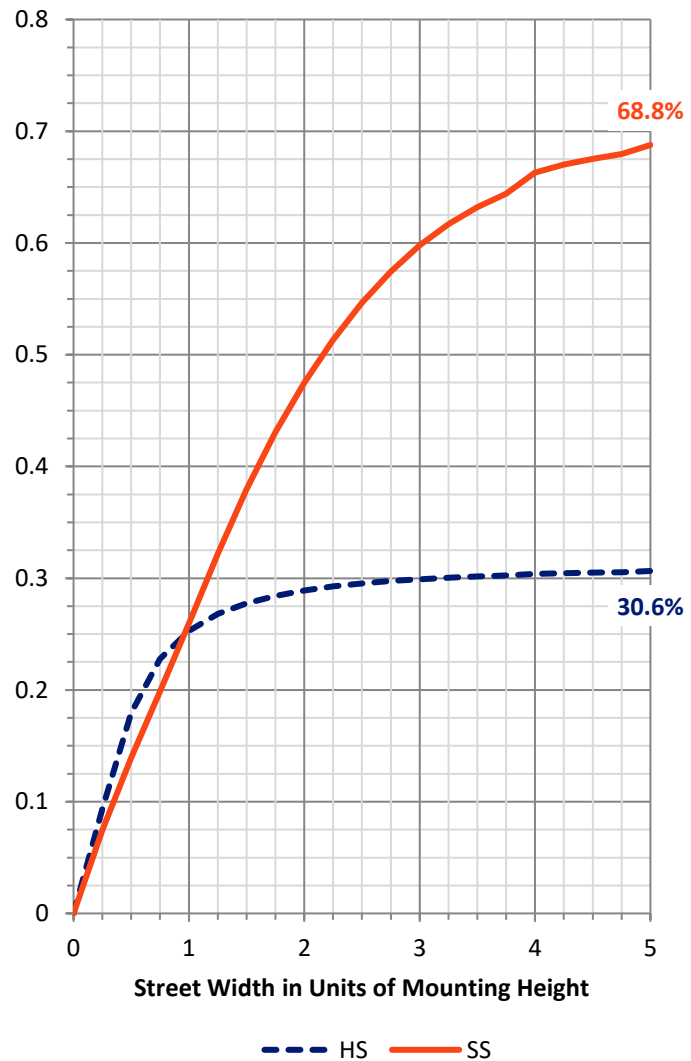
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9087.7	0.0	9087.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20243.3	0.0	20243.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	29331.0	0.0	29331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	1.1
10°-20°	1124.1	3.8
20°-30°	2052.5	7.0
30°-40°	2910.9	9.9
40°-50°	3930.7	13.4
50°-60°	5287.8	18.0
60°-70°	6711.4	22.9
70°-80°	6091.0	20.8
80°-90°	887.9	3.0
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°	29331.0	100.0
0°-180°	29331.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942802

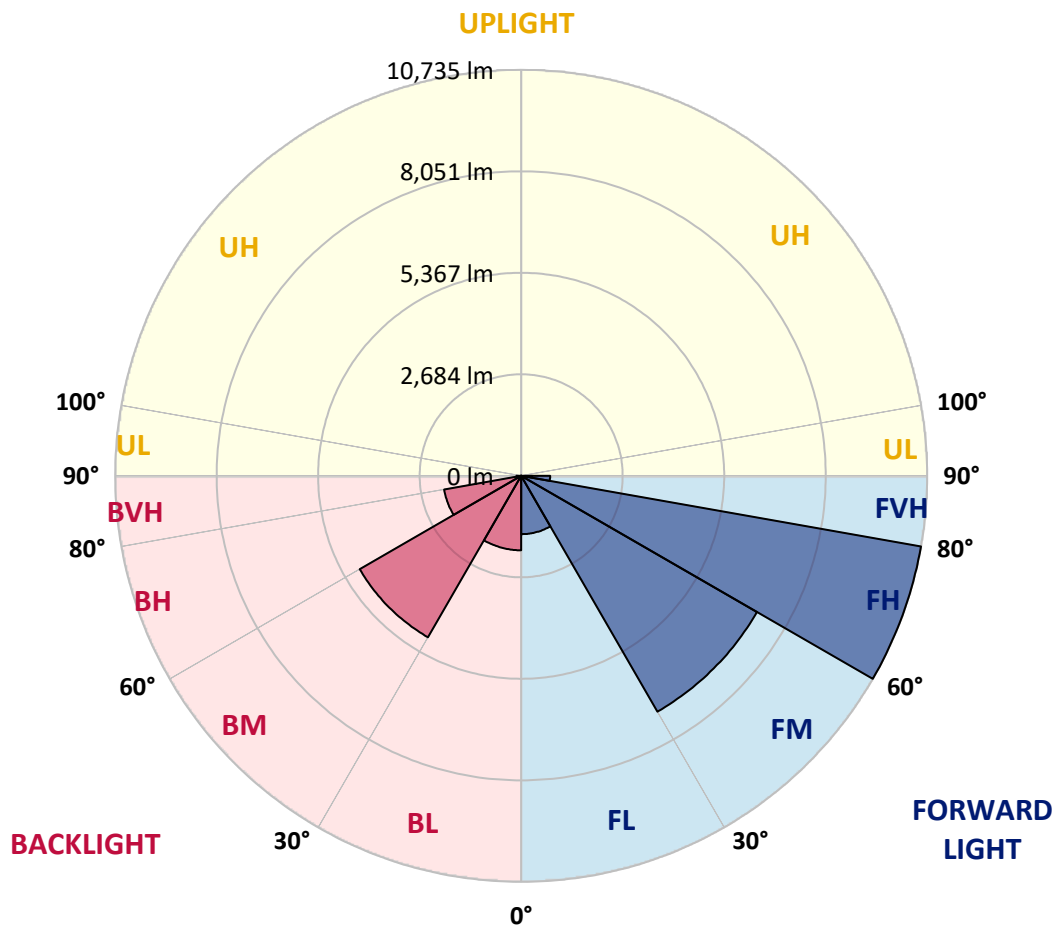
CATALOG NUMBER: GALN-SB7A-727-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1542.8	5.3			
FM	(30°-60°)	7200.1	24.5			
FH	(60°-80°)	10734.7	36.6			G4/12000
FVH	(80°-90°)	765.6	2.6			G5
BL	(0°-30°)	1968.5	6.7	B3/2500		
BM	(30°-60°)	4929.3	16.8	B3/5000		
BH	(60°-80°)	2067.7	7.0	B3/2500		G3/2500
BVH	(80°-90°)	122.2	0.4			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 Medium



REPORT NUMBER: P942802

CATALOG NUMBER: GALN-SB7A-727-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0
2.5°	3302.7	3321.4	3316.7	3310.5	3310.5	3312.0	3310.5	3321.4	3332.3	3343.1	3360.3
5°	3336.9	3355.6	3346.3	3338.5	3332.3	3330.7	3326.0	3324.5	3330.7	3344.7	3368.0
7.5°	3403.8	3422.5	3408.5	3394.5	3382.0	3375.8	3369.6	3360.3	3355.6	3363.4	3396.0
10°	3478.5	3497.2	3480.0	3455.2	3434.9	3427.2	3420.9	3411.6	3405.4	3410.0	3445.8
12.5°	3553.2	3571.8	3548.5	3514.3	3487.8	3483.2	3475.4	3472.3	3470.7	3469.2	3504.9
15°	3623.2	3638.7	3609.2	3568.7	3540.7	3532.9	3525.2	3529.8	3537.6	3546.9	3587.4
17.5°	3677.6	3693.2	3649.6	3596.7	3570.3	3567.2	3562.5	3578.1	3599.8	3623.2	3673.0
20°	3727.4	3743.0	3687.0	3615.4	3584.3	3584.3	3585.8	3618.5	3649.6	3683.8	3752.3
22.5°	3797.4	3809.9	3741.4	3643.4	3598.3	3601.4	3613.8	3646.5	3685.4	3732.1	3827.0
25°	3901.6	3911.0	3827.0	3696.3	3645.0	3654.3	3665.2	3680.7	3718.1	3772.5	3900.1
27.5°	4069.7	4077.4	3967.0	3789.6	3711.8	3727.4	3743.0	3732.1	3749.2	3795.9	3959.2
30°	4306.1	4310.8	4170.8	3935.9	3825.4	3833.2	3836.3	3791.2	3758.5	3795.9	4001.2
32.5°	4586.1	4584.6	4418.1	4113.2	3954.5	3946.8	3920.3	3831.6	3755.4	3788.1	4038.5
35°	5020.2	5003.1	4788.4	4362.1	4100.8	4052.5	3990.3	3876.7	3771.0	3780.3	4071.2
37.5°	5738.9	5686.0	5388.9	4769.7	4318.6	4195.7	4103.9	3949.9	3805.2	3777.2	4110.1
40°	6549.4	6482.5	6155.8	5328.2	4645.3	4447.7	4299.9	4054.1	3861.2	3791.2	4167.7
42.5°	7510.8	7415.9	7064.3	5986.2	5059.1	4772.8	4550.4	4186.3	3943.6	3836.3	4245.4
45°	8691.6	8565.6	8067.7	6728.3	5580.2	5199.1	4901.9	4387.0	4069.7	3923.4	4362.1
47.5°	9884.8	9915.9	9208.1	7577.7	6205.6	5724.9	5342.2	4688.8	4253.2	4063.4	4550.4
50°	11152.6	11174.4	10342.1	8518.9	6915.0	6319.2	5836.9	5026.4	4508.4	4262.6	4831.9
52.5°	12142.1	12145.2	11372.0	9503.6	7653.9	6972.5	6370.5	5412.2	4803.9	4527.0	5206.8
55°	12761.2	12753.4	12093.8	10435.5	8503.3	7658.6	6961.7	5850.9	5164.8	4838.2	5678.2
57.5°	13210.8	13187.5	12591.6	11236.7	9408.7	8469.1	7630.6	6348.7	5591.1	5208.4	6298.9
60°	13381.9	13367.9	12929.2	11928.9	10360.8	9365.2	8402.2	6905.6	6074.9	5645.6	7097.0
62.5°	13447.3	13473.7	13260.6	12599.4	11379.8	10357.7	9250.1	7571.5	6619.4	6140.3	7938.6
65°	13677.5	13725.7	13682.2	13476.8	12531.0	11519.8	10374.8	8363.3	7213.7	6670.7	8817.6
67.5°	14133.3	14181.5	14200.2	14526.9	13937.3	12968.1	11778.0	9349.6	7909.1	7221.5	9478.7
70°	14122.4	14108.4	14438.2	15362.3	15698.3	14973.4	13669.7	10563.0	8738.2	7678.8	9562.7
72.5°	12854.6	12742.5	13521.9	15353.0	17163.8	17067.3	15979.9	12128.1	9453.8	7734.8	8298.0
75°	9643.6	9344.9	10721.7	13836.2	17408.0	18255.9	17448.5	13098.8	9284.3	6834.1	5774.7
77.5°	4124.1	3823.9	5446.4	10242.6	15580.1	17065.8	16101.3	11428.0	7411.2	4519.2	2836.0
80°	1079.6	1078.1	1645.9	4643.7	10595.7	12602.5	11056.2	7380.1	4234.6	1614.8	782.5
82.5°	446.5	435.6	605.2	1806.1	5177.3	7072.1	5771.6	3291.8	1529.2	437.1	259.8
85°	166.5	164.9	294.0	623.8	1826.4	2916.9	2111.1	841.6	381.1	213.1	116.7
87.5°	46.7	45.1	63.8	216.2	444.9	675.2	360.9	138.5	107.3	84.0	34.2
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: P942802

CATALOG NUMBER: GALN-SB7A-727-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0	3354.0
2.5°	3364.9	3372.7	3386.7	3397.6	3411.6	3427.2	3448.9	3462.9	3476.9	3486.3	3480.0
5°	3378.9	3396.0	3431.8	3467.6	3509.6	3548.5	3593.6	3626.3	3652.7	3660.5	3663.6
7.5°	3410.0	3438.0	3498.7	3559.4	3626.3	3690.1	3755.4	3811.4	3856.5	3873.6	3875.2
10°	3464.5	3501.8	3587.4	3673.0	3761.6	3859.6	3943.6	4024.5	4088.3	4114.8	4116.3
12.5°	3532.9	3579.6	3691.6	3809.9	3932.8	4068.1	4177.0	4276.6	4355.9	4391.7	4391.7
15°	3621.6	3682.3	3825.4	3984.1	4164.5	4352.8	4491.2	4601.7	4690.4	4733.9	4730.8
17.5°	3718.1	3799.0	3979.4	4219.0	4477.2	4724.6	4886.4	4967.3	5059.1	5101.1	5099.5
20°	3811.4	3911.0	4169.2	4517.7	4861.5	5124.4	5255.1	5276.9	5283.1	5287.7	5300.2
22.5°	3907.9	4041.6	4407.2	4894.2	5262.9	5444.9	5463.5	5370.2	5239.5	5178.8	5196.0
25°	4013.6	4191.0	4718.4	5309.5	5608.2	5630.0	5486.9	5259.7	5012.4	4898.8	4915.9
27.5°	4116.3	4363.7	5091.7	5706.2	5857.1	5665.8	5357.8	5035.7	4737.0	4617.2	4631.2
30°	4219.0	4561.2	5504.0	6053.1	5970.7	5577.1	5154.0	4794.6	4494.3	4368.3	4382.3
32.5°	4323.2	4791.5	5978.5	6303.6	5950.5	5388.9	4900.4	4523.9	4259.4	4127.2	4144.3
35°	4441.5	5074.6	6428.1	6440.5	5815.1	5112.0	4565.9	4200.3	3970.1	3864.3	3887.6
37.5°	4595.5	5434.0	6824.8	6474.7	5578.7	4705.9	4150.5	3817.6	3627.8	3579.6	3613.8
40°	4786.8	5866.5	7128.1	6420.3	5228.6	4212.8	3696.3	3430.3	3322.9	3333.8	3371.2
42.5°	5035.7	6350.3	7341.2	6280.3	4741.7	3704.1	3298.0	3179.8	3231.1	3274.7	3315.1
45°	5359.3	6852.8	7473.5	6042.2	4191.0	3273.1	3063.1	3091.1	3130.0	3134.7	3165.8
47.5°	5773.1	7361.5	7560.6	5682.9	3629.4	2969.8	2913.8	2920.0	2912.2	2879.6	2904.4
50°	6289.6	7856.2	7638.4	5206.8	3151.8	2780.0	2705.3	2683.5	2576.2	2470.4	2484.4
52.5°	6877.6	8310.4	7671.0	4615.7	2780.0	2621.3	2500.0	2363.1	2162.4	2129.7	2140.6
55°	7531.0	8730.5	7587.0	3889.2	2467.3	2417.5	2234.0	2069.0	2047.3	2019.3	2023.9
57.5°	8312.0	9183.2	7415.9	3078.7	2146.8	2179.5	2000.6	2019.3	1980.4	1936.8	1929.0
60°	9166.0	9651.4	7115.7	2339.7	1815.5	1882.4	1939.9	1938.4	1927.5	1891.7	1879.3
62.5°	9934.6	9959.4	6524.5	1792.1	1524.6	1652.1	1809.3	1807.7	1798.4	1778.1	1770.4
65°	10391.9	9912.8	5538.2	1411.0	1285.0	1462.3	1631.9	1644.4	1645.9	1644.4	1644.4
67.5°	10311.0	9366.7	4184.8	1123.2	1087.4	1269.4	1456.1	1473.2	1485.7	1488.8	1491.9
70°	9396.3	8167.3	2728.7	896.1	911.6	1099.9	1289.7	1306.8	1317.7	1330.1	1336.3
72.5°	7324.1	6004.9	1561.9	724.9	757.6	953.6	1124.8	1145.0	1151.2	1174.5	1183.9
75°	4463.2	3531.4	843.2	570.9	622.3	815.2	961.4	984.7	995.6	1023.6	1026.7
77.5°	2121.9	1529.2	480.7	444.9	500.9	665.8	812.1	838.5	809.0	824.5	812.1
80°	717.2	567.8	303.4	339.1	382.7	519.6	650.3	676.7	614.5	611.4	605.2
82.5°	250.5	230.2	192.9	225.6	247.4	371.8	491.6	525.8	457.4	455.8	434.0
85°	98.0	93.3	107.3	122.9	147.8	228.7	323.6	340.7	281.6	227.1	224.0
87.5°	20.2	21.8	26.4	28.0	45.1	79.3	116.7	143.1	113.6	96.5	88.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)