

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: P942968

Luminaire Tested: **GALN-SB7B-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25048 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 256.7
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

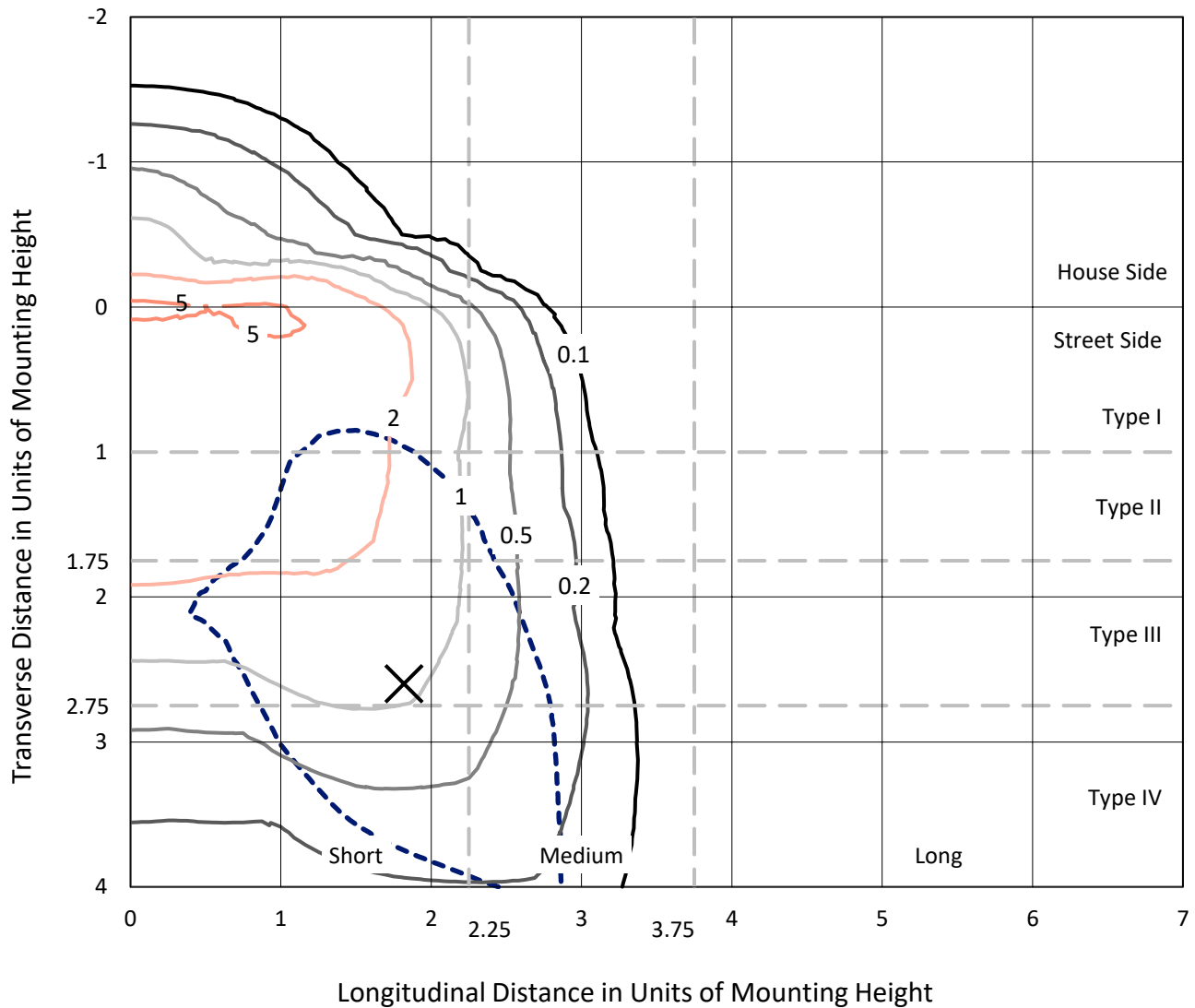


REPORT NUMBER: P942968

CATALOG NUMBER: GALN-SB7B-722-U-T4FT-HSS

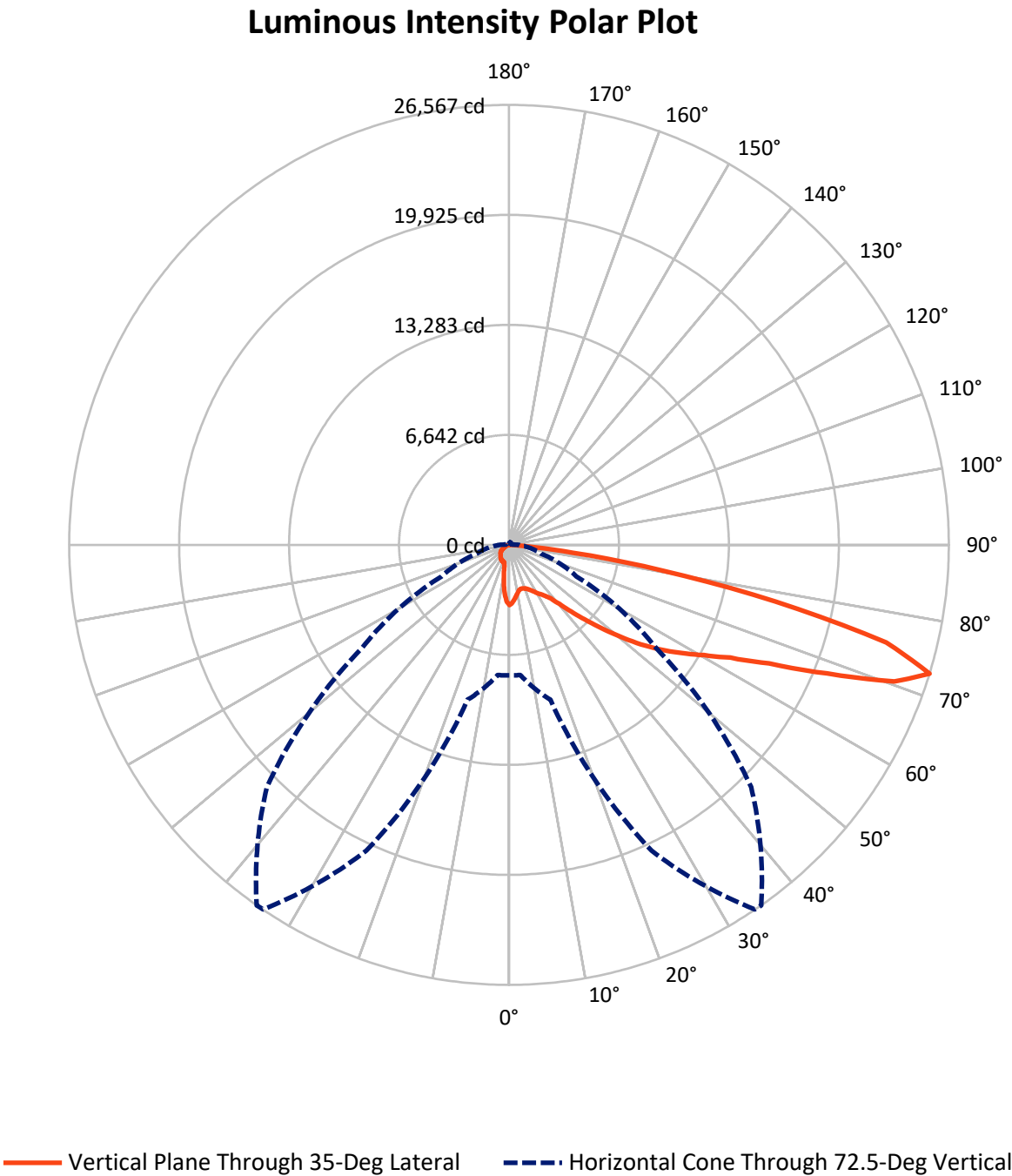
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type IV - Short - N/A

REPORT NUMBER: P942968
CATALOG NUMBER: GALN-SB7B-722-U-T4FT-HSS



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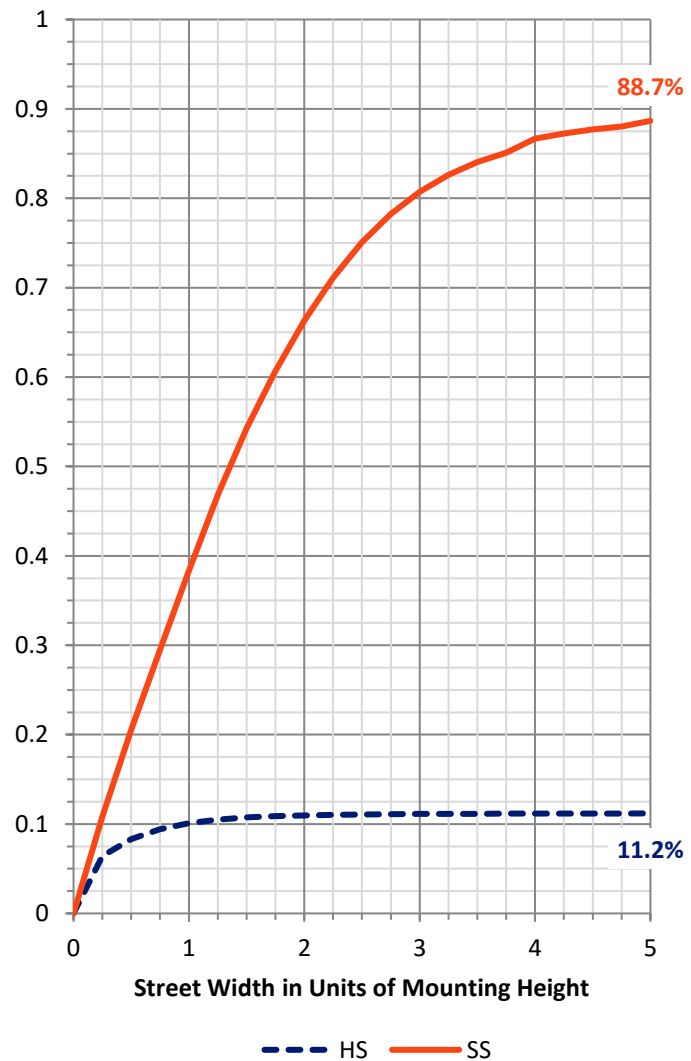
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2819.0	0.0	2819.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	22229.0	0.0	22229.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	25048.0	0.0	25048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.3	1.2
10°-20°	697.9	2.8
20°-30°	1133.7	4.5
30°-40°	1891.5	7.6
40°-50°	3578.8	14.3
50°-60°	5686.7	22.7
60°-70°	7034.8	28.1
70°-80°	4372.9	17.5
80°-90°	353.4	1.4
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°	25048.0	100.0
0°-180°	25048.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942968

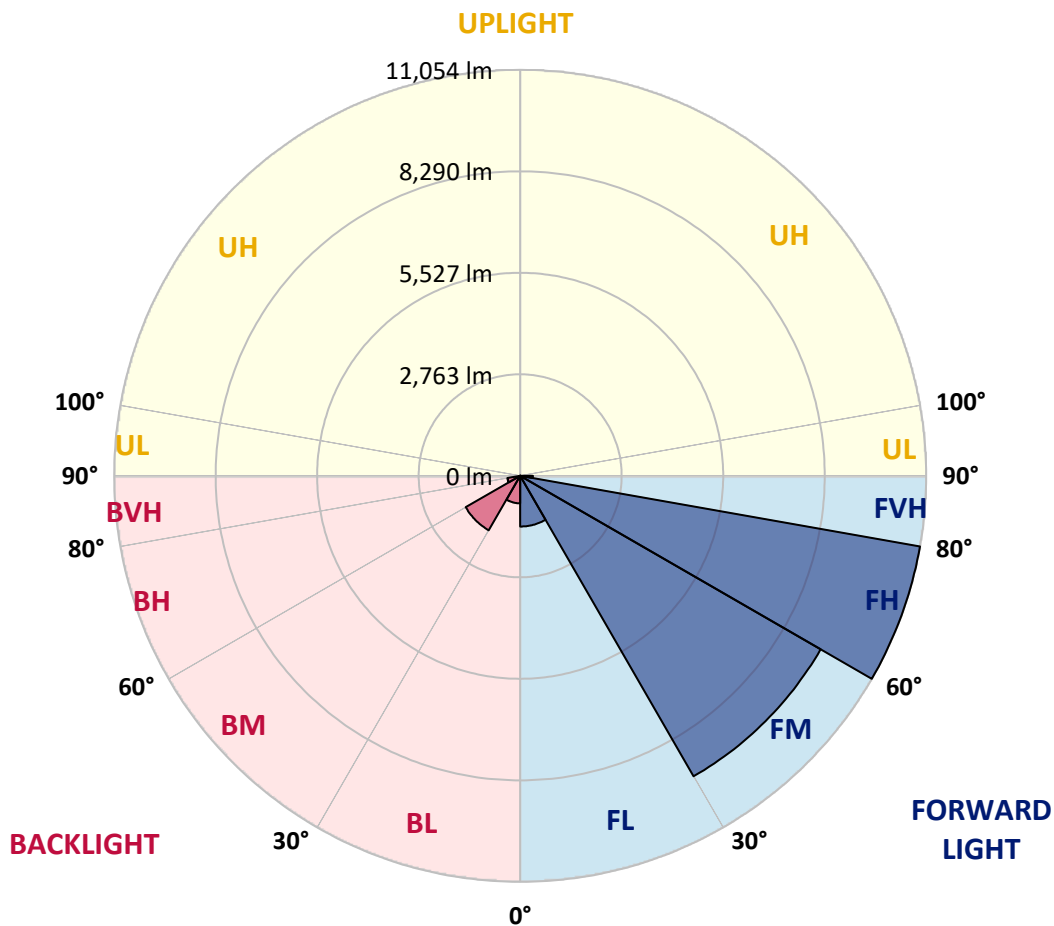
CATALOG NUMBER: GALN-SB7B-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1380.8	5.5			
FM	(30°-60°)	9445.6	37.7			
FH	(60°-80°)	11054.0	44.1			G4/12000
FVH	(80°-90°)	348.6	1.4			G3/500
BL	(0°-30°)	749.1	3.0	B2/1000		
BM	(30°-60°)	1711.4	6.8	B2/2500		
BH	(60°-80°)	353.7	1.4	B1/500		G1/500
BVH	(80°-90°)	4.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P942968

CATALOG NUMBER: GALN-SB7B-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3
2.5°	3468.8	3498.2	3503.7	3512.8	3512.8	3523.8	3542.2	3567.9	3610.1	3632.1	3646.8
5°	3197.2	3219.2	3246.7	3268.7	3310.9	3316.5	3388.0	3457.8	3555.0	3628.5	3679.8
7.5°	2923.7	2949.4	2986.1	3039.3	3094.4	3110.9	3219.2	3336.6	3490.8	3628.5	3714.7
10°	2731.0	2732.8	2765.9	2819.1	2907.2	2927.4	3059.5	3226.5	3419.2	3606.4	3747.8
12.5°	2622.7	2635.5	2650.2	2690.6	2775.0	2787.9	2929.2	3125.6	3347.7	3593.6	3786.3
15°	2622.7	2631.9	2641.0	2661.2	2729.1	2740.2	2865.0	3061.3	3310.9	3599.1	3848.7
17.5°	2650.2	2664.9	2657.6	2681.4	2753.0	2760.3	2870.5	3043.0	3309.1	3634.0	3944.1
20°	2716.3	2727.3	2712.6	2727.3	2798.9	2813.6	2927.4	3077.9	3340.3	3694.5	4063.4
22.5°	2820.9	2826.4	2791.5	2802.6	2876.0	2894.3	3026.5	3177.0	3415.6	3791.8	4223.1
25°	2953.1	2964.1	2910.8	2923.7	2993.4	3015.5	3167.8	3325.6	3534.9	3925.8	4426.8
27.5°	3105.4	3110.9	3065.0	3063.2	3153.1	3184.3	3338.5	3509.2	3694.5	4094.6	4683.8
30°	3279.7	3296.3	3252.2	3244.9	3358.7	3384.4	3536.7	3734.9	3929.5	4347.9	5049.0
32.5°	3417.4	3430.2	3404.5	3422.9	3538.5	3558.7	3777.1	4054.3	4298.4	4707.6	5546.4
35°	3615.6	3623.0	3564.2	3597.3	3729.4	3780.8	4105.6	4502.1	4762.7	5159.1	6196.1
37.5°	4333.2	4333.2	4083.6	3920.3	4046.9	4092.8	4555.3	5065.5	5335.3	5764.8	7014.7
40°	5326.1	5309.6	4944.4	4610.4	4593.8	4683.8	5195.8	5775.8	6075.0	6491.6	7936.0
42.5°	6385.1	6359.4	5862.1	5531.7	5476.6	5507.8	5935.5	6651.3	6955.9	7378.1	8927.1
45°	7324.8	7317.5	6862.3	6418.2	6319.1	6418.2	6858.7	7675.4	7893.8	8337.9	9916.3
47.5°	8112.2	8112.2	7780.0	7490.0	7438.6	7497.3	8108.5	8811.4	8791.3	9360.2	10879.9
50°	9018.8	9011.5	8695.8	8571.0	8624.2	8706.8	9547.4	10008.1	9719.9	10364.1	11740.6
52.5°	9653.9	9697.9	9589.6	9569.4	9841.1	9984.2	11008.3	11179.0	10551.3	11316.7	12384.8
55°	10156.8	10208.1	10332.9	10474.3	10997.3	11184.5	12423.4	12289.4	11246.9	12142.6	12755.6
57.5°	10868.9	10795.4	10988.2	11267.1	12113.2	12339.0	13794.4	13337.4	11806.7	12812.5	12796.0
60°	11733.3	11744.3	11777.4	12129.7	13227.3	13517.3	15145.2	14328.5	12166.4	13223.6	12348.1
62.5°	12772.1	12788.6	12856.5	13398.0	14723.1	14996.5	16584.1	15139.7	12331.6	13108.0	11191.9
65°	12700.5	12770.3	13528.3	15380.1	16997.0	17266.8	18263.4	15708.6	12082.0	12050.8	9112.4
67.5°	11570.0	11683.8	12952.0	17747.7	20425.5	20726.5	20293.3	15820.6	11004.7	9371.2	5944.7
70°	10087.0	10127.4	11652.5	19876.7	24395.3	24700.0	22110.3	14589.1	8350.8	5227.0	2663.1
72.5°	7877.3	7886.4	9675.9	20370.4	26550.0	26566.5	20684.2	10830.3	4491.1	2007.9	925.0
75°	5627.1	5572.1	6480.6	16519.9	23358.3	23545.5	15506.8	5080.2	1716.0	948.9	460.7
77.5°	3017.3	3077.9	3667.0	9797.0	16136.3	16455.6	8460.9	1464.6	873.6	646.0	304.7
80°	932.4	983.7	1503.1	4485.6	9140.0	9332.7	3136.6	651.5	609.3	460.7	200.1
82.5°	293.7	304.7	701.1	1884.9	3793.6	3881.7	908.5	368.9	416.6	304.7	117.5
85°	84.4	86.3	312.0	702.9	937.9	956.2	255.1	143.2	238.6	189.0	60.6
87.5°	9.2	29.4	117.5	117.5	82.6	80.8	27.5	31.2	67.9	23.9	11.0
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: P942968

CATALOG NUMBER: GALN-SB7B-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3	3630.3
2.5°	3637.6	3639.5	3615.6	3575.2	3531.2	3494.5	3448.6	3411.9	3386.2	3378.9	3391.7
5°	3663.3	3650.5	3582.6	3459.6	3312.8	3186.1	3044.8	2932.9	2859.5	2828.3	2839.3
7.5°	3701.9	3665.2	3516.5	3274.2	2993.4	2743.8	2490.6	2294.2	2169.4	2107.0	2116.1
10°	3734.9	3661.5	3406.4	3006.3	2576.8	2198.7	1857.4	1620.6	1488.5	1426.1	1427.9
12.5°	3766.1	3659.7	3263.2	2688.8	2107.0	1644.5	1326.9	1209.5	1172.8	1159.9	1156.3
15°	3824.8	3665.2	3083.4	2325.4	1639.0	1242.5	1126.9	1125.1	1132.4	1128.7	1126.9
17.5°	3905.6	3670.7	2879.6	1940.0	1264.5	1095.7	1090.2	1106.7	1117.7	1112.2	1110.4
20°	4010.2	3692.7	2663.1	1558.2	1086.5	1059.0	1071.8	1086.5	1095.7	1086.5	1084.7
22.5°	4157.0	3731.2	2426.3	1251.7	1029.6	1037.0	1048.0	1064.5	1073.7	1060.8	1059.0
25°	4336.9	3791.8	2193.2	1088.4	1002.1	1011.3	1027.8	1046.1	1057.2	1044.3	1042.5
27.5°	4570.0	3889.1	1978.5	1051.6	974.6	980.1	1003.9	1031.5	1046.1	1029.6	1029.6
30°	4907.7	4048.8	1793.1	1068.2	958.0	945.2	978.2	1016.8	1033.3	1018.6	1016.8
32.5°	5355.5	4274.5	1679.3	1093.9	950.7	904.8	936.0	985.6	1013.1	1003.9	1003.9
35°	5942.8	4617.7	1635.3	1123.2	945.2	862.6	884.6	937.9	985.6	994.8	994.8
37.5°	6654.9	5094.9	1648.1	1136.1	928.7	827.7	838.7	884.6	947.0	976.4	983.7
40°	7464.3	5651.0	1721.5	1123.2	910.3	798.4	800.2	835.1	890.1	934.2	948.9
42.5°	8299.4	6300.7	1857.4	1075.5	893.8	772.7	767.2	791.0	827.7	858.9	871.8
45°	9094.1	6968.8	1991.3	1009.4	873.6	747.0	734.1	743.3	750.7	763.5	770.8
47.5°	9787.8	7438.6	1952.8	948.9	846.1	717.6	695.6	691.9	669.9	668.1	666.2
50°	10266.9	7541.4	1734.4	888.3	805.7	684.6	649.7	627.7	589.1	570.8	572.6
52.5°	10419.2	7135.8	1416.9	827.7	739.6	640.5	591.0	556.1	508.4	491.9	490.0
55°	10217.3	6341.1	1132.4	754.3	647.9	581.8	526.7	480.9	442.3	422.1	422.1
57.5°	9723.6	5329.8	895.6	668.1	550.6	515.7	460.7	414.8	381.7	361.6	357.9
60°	8905.1	4232.3	708.4	565.3	469.8	444.2	387.3	357.9	328.5	304.7	299.2
62.5°	7662.5	3021.0	556.1	447.8	392.8	363.4	330.4	308.3	273.5	240.4	234.9
65°	5979.5	1848.2	429.5	328.5	315.7	301.0	280.8	260.6	218.4	185.4	179.9
67.5°	3771.6	875.5	306.5	247.8	249.6	242.3	233.1	216.6	185.4	156.0	152.3
70°	1661.0	424.0	201.9	189.0	185.4	185.4	192.7	187.2	157.8	130.3	124.8
72.5°	565.3	227.6	150.5	143.2	134.0	132.1	161.5	156.0	126.6	100.9	95.4
75°	295.5	152.3	110.1	102.8	80.8	97.3	128.5	121.1	89.9	66.1	60.6
77.5°	192.7	108.3	75.2	66.1	45.9	64.2	95.4	84.4	53.2	33.0	29.4
80°	121.1	71.6	44.0	31.2	22.0	34.9	51.4	36.7	20.2	7.3	5.5
82.5°	64.2	36.7	16.5	11.0	9.2	11.0	12.8	9.2	3.7	0.0	0.0
85°	25.7	12.8	5.5	3.7	1.8	0.0	3.7	1.8	0.0	0.0	0.0
87.5°	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)