

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: P955202

Luminaire Tested: **GALN-SB8B-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8B-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28974 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 292.8
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

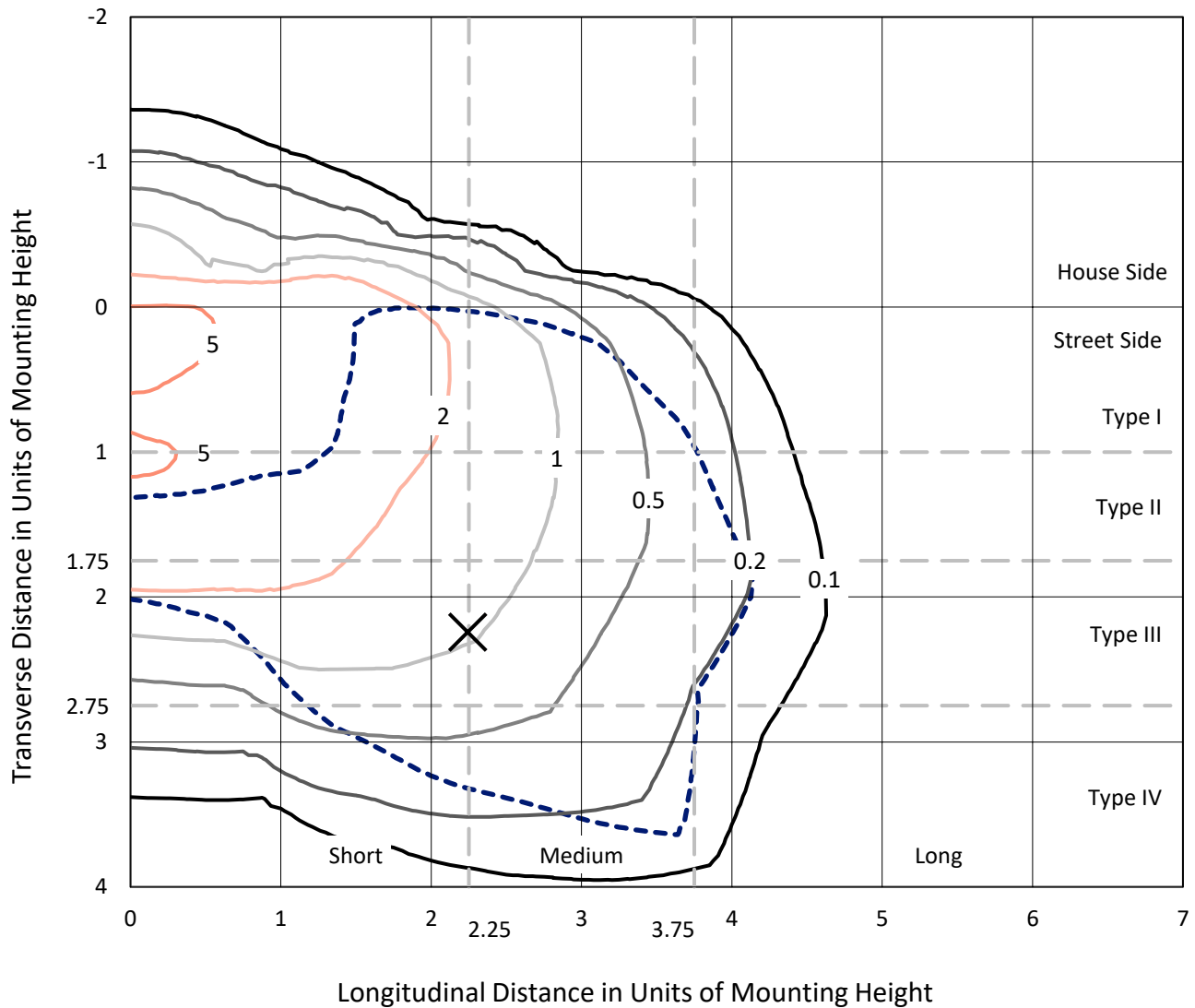


REPORT NUMBER: P955202

CATALOG NUMBER: GALN-SB8B-722-U-T4W-HSS

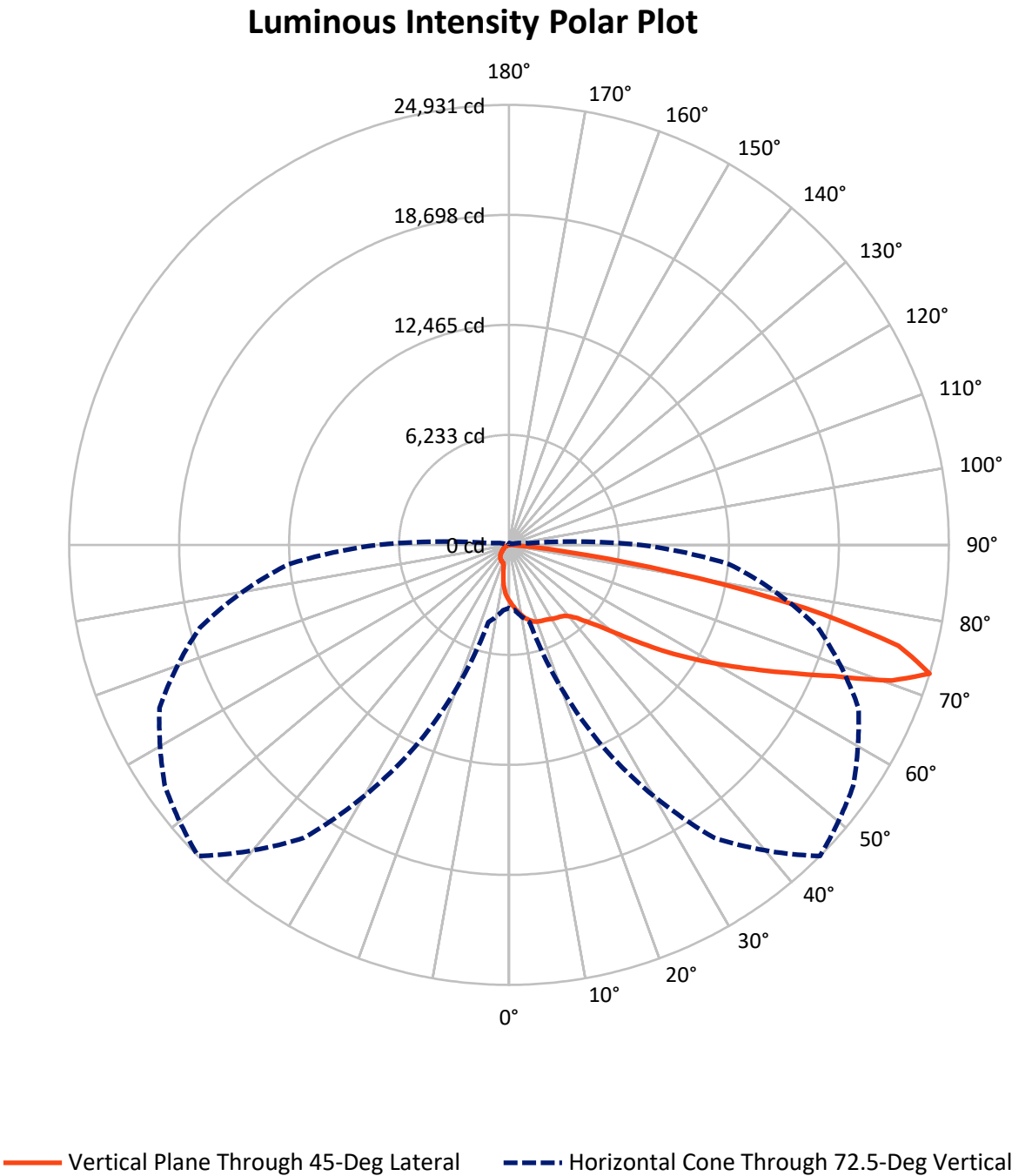
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type IV - Short - N/A

REPORT NUMBER: P955202
CATALOG NUMBER: GALN-SB8B-722-U-T4W-HSS



REPORT NUMBER: P955202

CATALOG NUMBER: GALN-SB8B-722-U-T4W-HSS

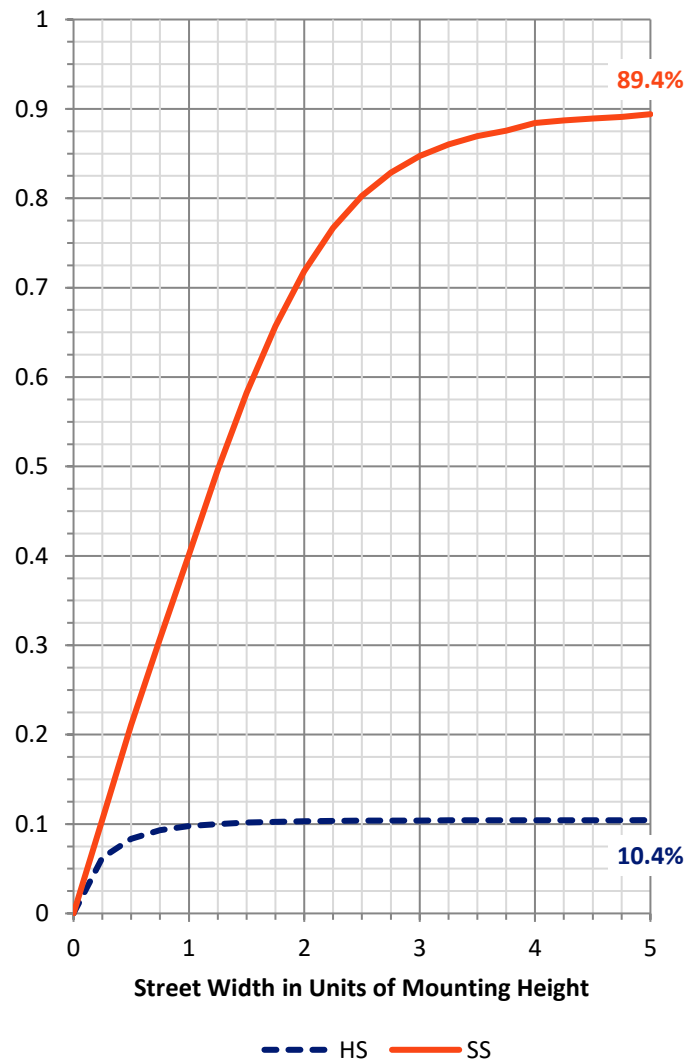
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3044.4	0.0	3044.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	25929.6	0.0	25929.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	28974.0	0.0	28974.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.1	1.0
10°-20°	874.1	3.0
20°-30°	1435.3	5.0
30°-40°	2035.6	7.0
40°-50°	3364.7	11.6
50°-60°	6044.3	20.9
60°-70°	8392.8	29.0
70°-80°	6087.9	21.0
80°-90°	440.1	1.5
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°	28974.0	100.0
0°-180°	28974.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955202

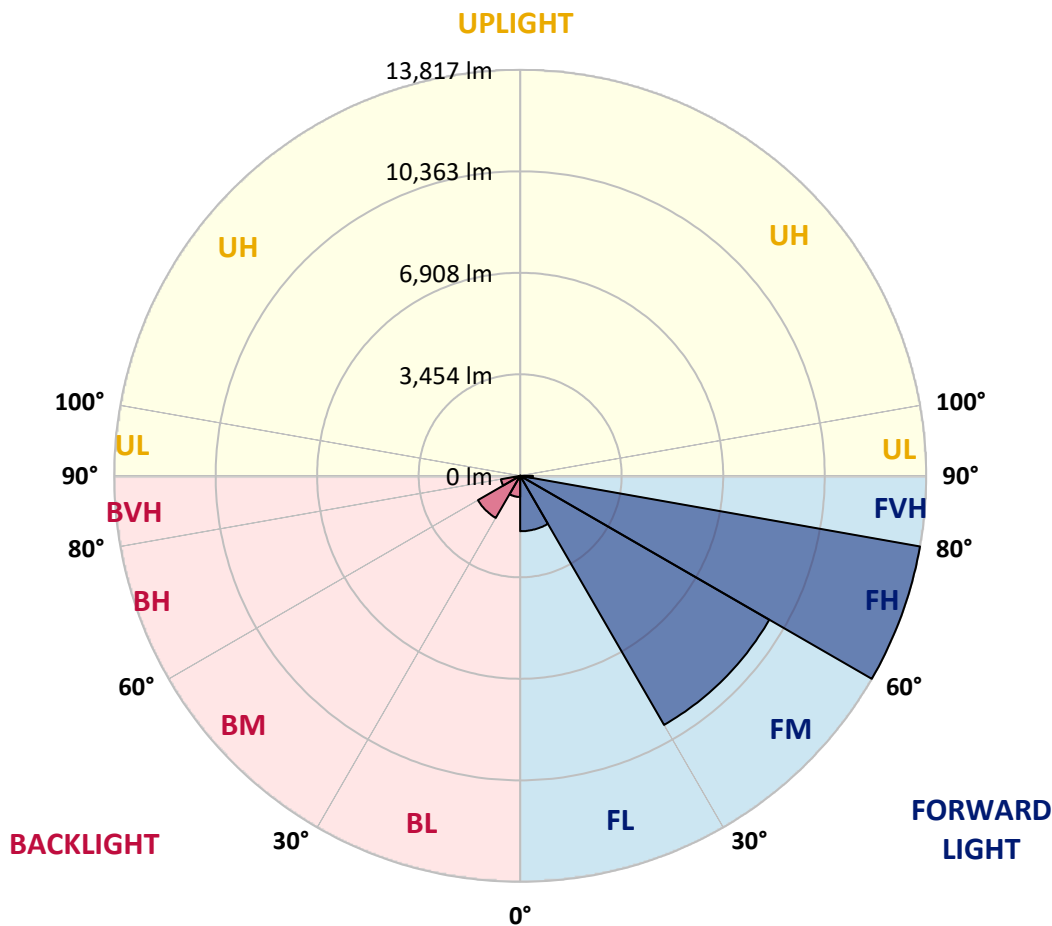
CATALOG NUMBER: GALN-SB8B-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1887.4	6.5			
FM	(30°-60°)	9789.0	33.8			
FH	(60°-80°)	13816.9	47.7			G5
FVH	(80°-90°)	436.4	1.5			G3/500
BL	(0°-30°)	721.1	2.5	B2/1000		
BM	(30°-60°)	1655.7	5.7	B2/2500		
BH	(60°-80°)	663.9	2.3	B2/1000		G2/1000
BVH	(80°-90°)	3.7	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-G5

Type IV Short



REPORT NUMBER: P955202

CATALOG NUMBER: GALN-SB8B-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2
2.5°	3466.9	3472.8	3468.8	3445.1	3405.6	3383.8	3371.9	3332.4	3306.7	3261.2	3213.7
5°	3785.3	3809.0	3795.2	3747.7	3672.5	3619.1	3603.3	3522.2	3449.1	3364.0	3265.1
7.5°	4123.4	4135.3	4109.6	4048.3	3947.4	3856.5	3842.6	3729.9	3613.2	3482.7	3348.2
10°	4416.1	4430.0	4390.4	4301.4	4186.7	4074.0	4054.2	3929.6	3791.2	3631.0	3458.9
12.5°	4661.4	4675.2	4623.8	4517.0	4390.4	4273.7	4254.0	4123.4	3971.2	3793.2	3579.6
15°	4847.3	4873.0	4803.8	4689.1	4552.6	4435.9	4426.0	4297.5	4149.2	3951.4	3724.0
17.5°	4956.0	4981.8	4916.5	4778.1	4661.4	4562.5	4550.6	4443.8	4305.4	4115.5	3864.4
20°	4973.8	4997.6	4928.4	4807.7	4710.8	4631.7	4625.8	4548.6	4447.8	4265.8	4016.7
22.5°	4920.4	4950.1	4886.8	4789.9	4722.7	4681.1	4673.2	4629.7	4572.4	4418.1	4159.0
25°	4865.1	4888.8	4841.3	4756.3	4720.7	4716.7	4722.7	4714.8	4702.9	4572.4	4325.2
27.5°	4861.1	4886.8	4833.4	4752.3	4732.6	4774.1	4780.0	4817.6	4827.5	4712.8	4485.4
30°	4894.7	4912.5	4861.1	4776.1	4766.2	4861.1	4863.1	4930.3	4946.2	4831.5	4643.6
32.5°	4967.9	4987.7	4936.3	4811.7	4797.8	4930.3	4936.3	5025.3	5051.0	4958.0	4809.7
35°	5140.0	5163.7	5104.4	4910.6	4861.1	4995.6	5013.4	5118.2	5169.6	5092.5	4981.8
37.5°	5569.1	5499.9	5418.8	5110.3	5005.5	5098.4	5128.1	5250.7	5341.7	5252.7	5187.4
40°	6635.1	6417.5	6164.4	5450.5	5258.6	5318.0	5341.7	5464.3	5588.9	5501.9	5470.2
42.5°	8235.0	7977.9	7570.5	6233.6	5640.3	5670.0	5687.8	5794.6	5970.6	5901.4	5909.3
45°	9660.9	9568.0	9152.7	7570.5	6354.3	6207.9	6229.7	6285.0	6544.1	6518.4	6569.8
47.5°	10756.6	10703.2	10382.8	9105.2	7560.6	6866.5	6927.8	6953.5	7327.3	7418.2	7556.7
50°	11599.0	11579.3	11292.5	10469.8	9136.8	7837.5	7859.3	7803.9	8363.6	8589.0	8852.1
52.5°	12394.1	12461.3	12249.7	11737.5	10819.8	9109.2	9105.2	8844.1	9599.6	9939.8	10388.7
55°	13112.0	13135.7	13157.5	13030.9	12512.7	10556.8	10519.2	10092.1	11033.4	11385.5	11872.0
57.5°	13786.4	13796.2	13990.1	14249.1	14274.8	12111.3	12042.0	11529.8	12599.7	12850.9	13149.5
60°	14239.2	14284.7	14694.1	15414.0	15728.4	13715.2	13677.6	13155.5	14193.8	14310.4	14255.1
62.5°	13586.6	13863.5	14895.8	16323.7	17100.9	15493.1	15475.3	14984.8	15870.8	15775.9	15301.2
65°	10997.8	11466.5	13282.0	16938.8	18447.7	17478.7	17504.4	16982.3	17593.4	17284.9	16151.6
67.5°	7693.1	8187.6	10335.3	16988.2	19952.7	19810.3	19958.7	19139.9	19422.7	18730.5	16353.4
70°	5319.9	5575.1	6973.3	15924.2	21125.5	23022.1	23018.1	21790.0	21242.2	19389.1	15325.0
72.5°	3577.6	3710.1	4528.9	12633.4	20263.2	24930.5	24815.8	23815.1	21855.3	18133.3	12520.6
75°	1509.0	1605.9	2096.3	7099.8	16031.0	22808.5	22498.0	21046.4	19418.8	14278.8	7811.8
77.5°	478.6	520.1	826.7	2541.3	8830.3	17144.4	16816.1	13143.6	13015.1	7163.1	2855.8
80°	227.4	265.0	464.8	1020.5	3474.8	9324.7	9279.2	5962.7	5598.8	1934.2	573.5
82.5°	98.9	116.7	257.1	545.8	1554.5	3326.4	3393.7	2029.1	1679.0	733.7	176.0
85°	31.6	41.5	118.7	251.2	656.6	826.7	816.8	482.6	676.4	399.5	61.3
87.5°	0.0	0.0	39.6	57.4	67.2	47.5	53.4	41.5	187.9	110.7	21.8
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: P955202

CATALOG NUMBER: GALN-SB8B-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2	3174.2
2.5°	3190.0	3158.3	3103.0	3051.5	3006.1	2960.6	2932.9	2893.3	2889.4	2889.4	2899.3
5°	3211.7	3160.3	3061.4	2956.6	2836.0	2721.3	2606.6	2495.8	2460.2	2434.5	2446.4
7.5°	3275.0	3193.9	3037.7	2838.0	2608.5	2357.4	2181.4	1991.5	1918.3	1878.8	1884.7
10°	3366.0	3255.2	3017.9	2667.9	2296.1	1953.9	1702.8	1497.1	1418.0	1384.4	1384.4
12.5°	3466.9	3330.4	2982.3	2456.3	1953.9	1544.6	1299.3	1204.4	1192.5	1192.5	1192.5
15°	3587.5	3421.4	2921.0	2207.1	1596.0	1222.2	1135.2	1139.1	1151.0	1158.9	1158.9
17.5°	3712.1	3518.3	2824.1	1928.2	1279.6	1099.6	1101.6	1107.5	1117.4	1125.3	1125.3
20°	3846.6	3615.2	2695.6	1631.6	1097.6	1064.0	1069.9	1075.9	1083.8	1087.7	1089.7
22.5°	3990.9	3706.2	2543.3	1340.9	1036.3	1034.3	1036.3	1042.2	1052.1	1052.1	1056.1
25°	4145.2	3807.0	2369.3	1129.3	1004.7	1004.7	1008.6	1012.6	1020.5	1020.5	1022.5
27.5°	4303.4	3900.0	2185.3	1018.5	977.0	975.0	975.0	980.9	984.9	986.9	988.8
30°	4477.4	4008.7	2001.4	994.8	955.2	945.3	939.4	943.3	947.3	949.3	953.2
32.5°	4655.4	4113.6	1837.3	1004.7	933.5	915.7	895.9	891.9	891.9	899.8	905.8
35°	4853.2	4228.3	1710.7	1038.3	921.6	872.2	840.5	822.7	824.7	836.6	842.5
37.5°	5090.5	4366.7	1617.7	1067.9	913.7	822.7	771.3	749.5	735.7	749.5	745.6
40°	5401.0	4570.4	1550.5	1091.7	903.8	765.4	696.1	660.5	634.8	642.7	638.8
42.5°	5857.9	4890.8	1524.8	1093.7	882.0	698.1	619.0	571.5	534.0	535.9	528.0
45°	6498.6	5397.1	1657.3	1067.9	834.6	624.9	537.9	474.6	450.9	445.0	437.1
47.5°	7376.7	6134.7	1963.8	1014.5	765.4	553.7	458.8	405.4	387.6	377.7	371.8
50°	8553.4	7082.0	2304.0	955.2	696.1	486.5	393.6	359.9	348.1	338.2	336.2
52.5°	9918.0	8043.2	2582.8	895.9	626.9	427.2	352.0	332.2	322.4	314.4	312.5
55°	11169.9	8705.7	2567.0	832.6	559.7	379.7	322.4	310.5	298.6	290.7	286.8
57.5°	11949.1	8798.7	2116.1	763.4	482.6	342.1	294.7	286.8	272.9	263.0	261.1
60°	12307.1	8268.6	1483.3	672.4	405.4	306.5	265.0	261.1	243.3	229.4	225.5
62.5°	12372.3	7283.8	988.8	559.7	338.2	272.9	235.3	229.4	205.7	181.9	170.1
65°	12107.3	5875.7	684.3	437.1	288.7	237.3	201.7	189.9	164.1	140.4	132.5
67.5°	11268.8	4125.4	476.6	314.4	245.2	187.9	160.2	156.2	136.5	116.7	110.7
70°	9732.1	2351.5	318.4	235.3	193.8	128.5	126.6	130.5	110.7	94.9	87.0
72.5°	7461.8	1075.9	197.8	172.1	132.5	87.0	100.9	102.8	85.0	71.2	63.3
75°	4392.4	460.8	124.6	110.7	67.2	57.4	73.2	75.2	57.4	45.5	39.6
77.5°	1495.1	174.0	79.1	65.3	33.6	31.6	47.5	47.5	31.6	17.8	13.8
80°	340.2	65.3	39.6	25.7	15.8	13.8	15.8	13.8	7.9	2.0	0.0
82.5°	96.9	25.7	15.8	9.9	5.9	5.9	2.0	0.0	0.0	0.0	0.0
85°	27.7	11.9	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.9	2.0	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)