

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: P954839

Luminaire Tested: **GALN-SB8A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25370 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 227.1
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

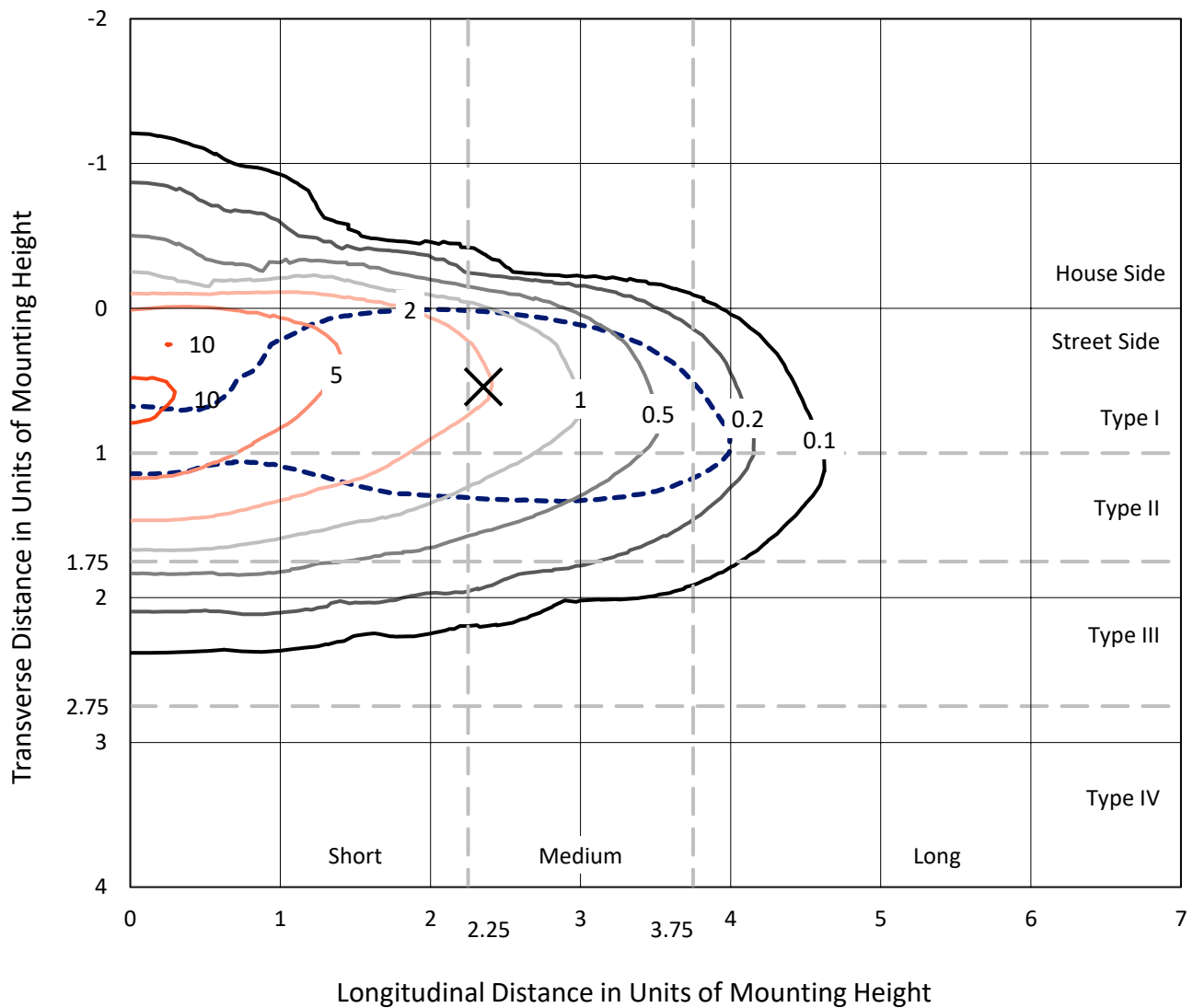


REPORT NUMBER: P954839

CATALOG NUMBER: GALN-SB8A-722-U-T2R-HSS

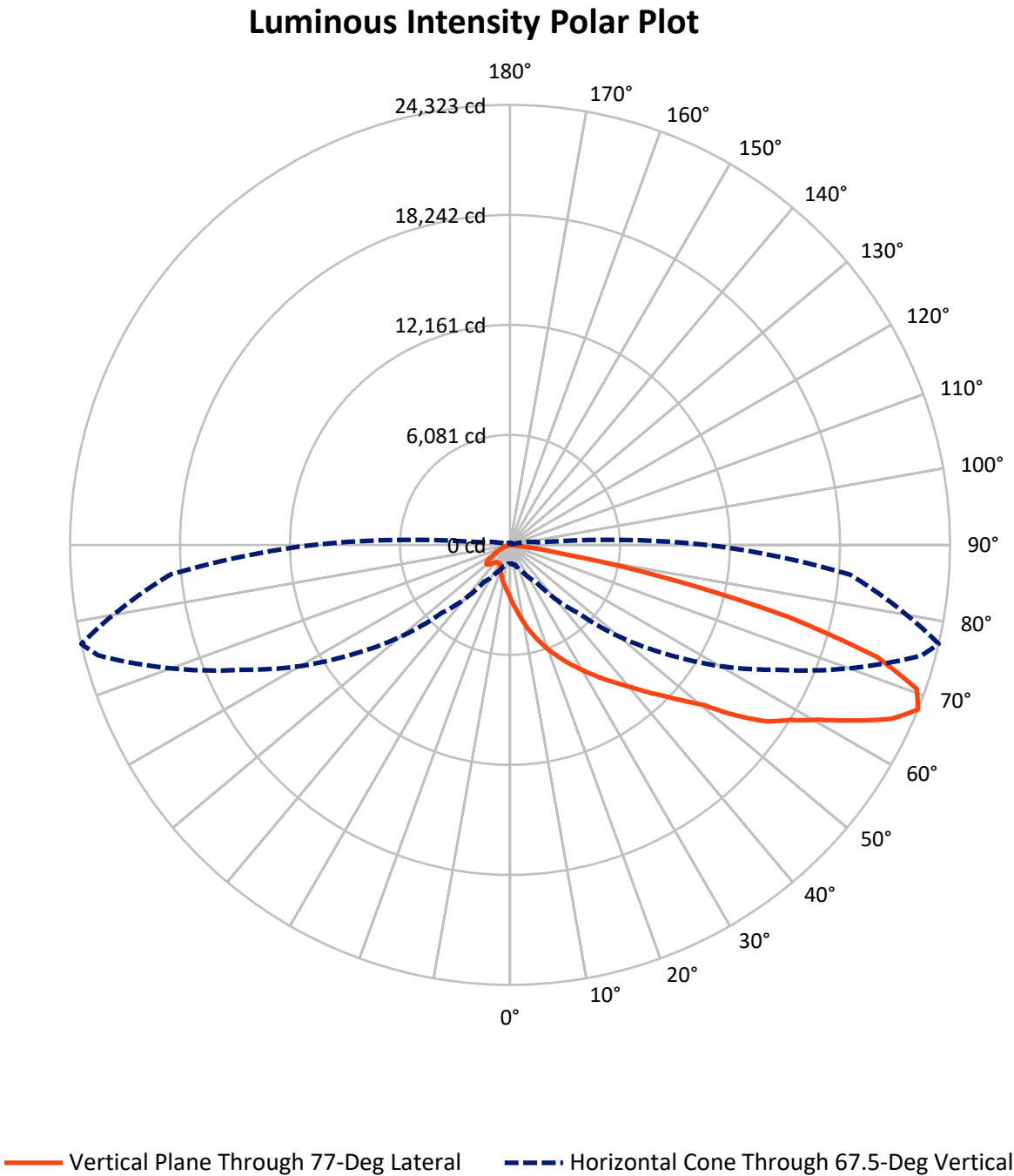
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Medium - N/A

REPORT NUMBER: P954839
CATALOG NUMBER: GALN-SB8A-722-U-T2R-HSS



REPORT NUMBER: P954839

CATALOG NUMBER: GALN-SB8A-722-U-T2R-HSS

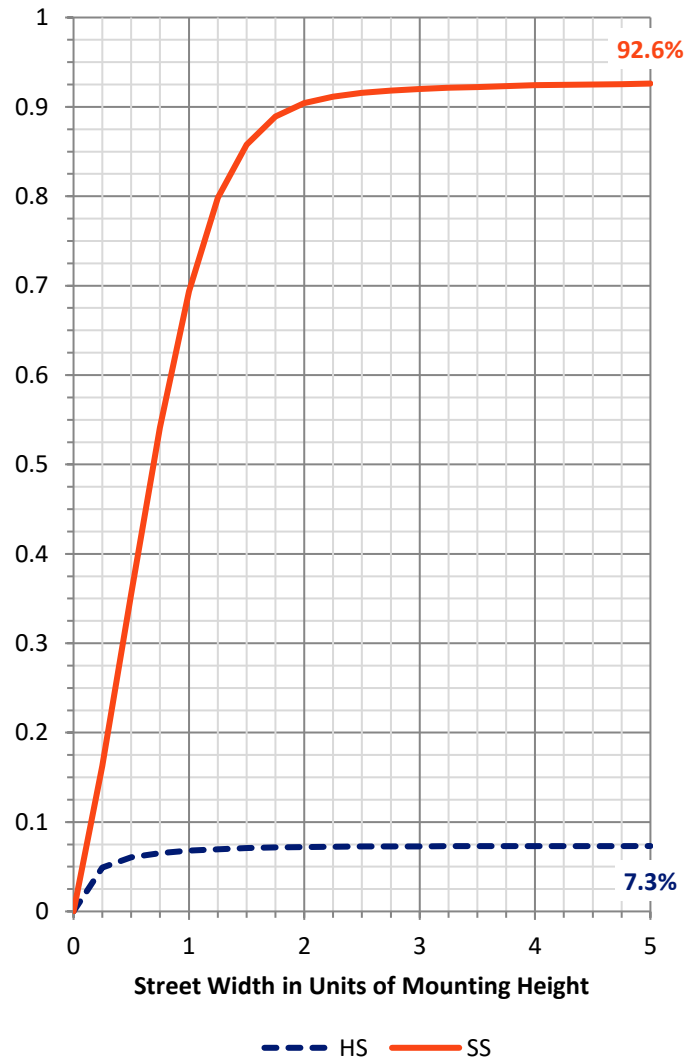
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1866.5	0.0	1866.5
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	23503.5	0.0	23503.5
	% Fixture	92.6	0.0	92.6
Total	Lumens	25370.0	0.0	25370.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.6	1.2
10°-20°	1045.7	4.1
20°-30°	2017.8	8.0
30°-40°	3503.1	13.8
40°-50°	5086.3	20.0
50°-60°	5840.9	23.0
60°-70°	5071.0	20.0
70°-80°	2388.5	9.4
80°-90°	118.1	0.5
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°	25370.0	100.0
0°-180°	25370.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954839

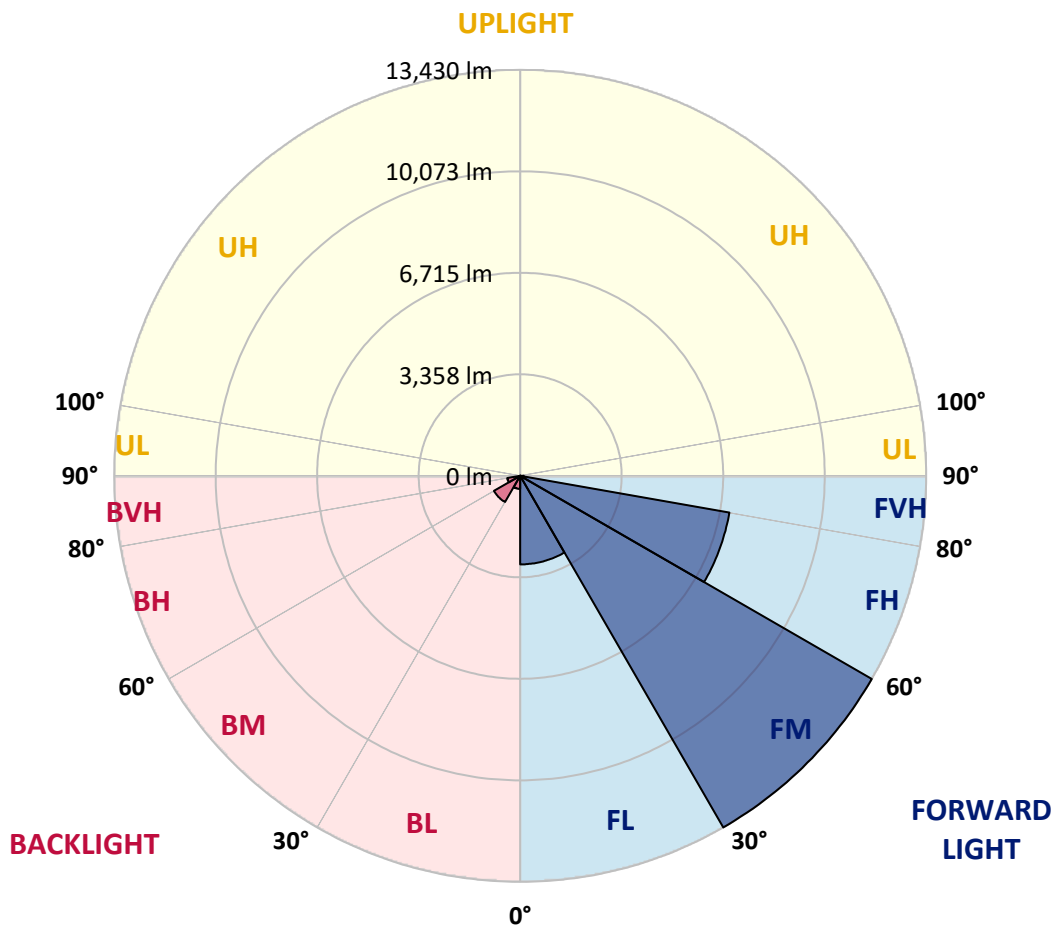
CATALOG NUMBER: GALN-SB8A-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2930.0	11.5			
FM	(30°-60°)	13430.2	52.9			
FH	(60°-80°)	7027.4	27.7			G3/7500
FVH	(80°-90°)	116.0	0.5			G2/225
BL	(0°-30°)	432.1	1.7	B1/500		
BM	(30°-60°)	1000.1	3.9	B2/2500		
BH	(60°-80°)	432.1	1.7	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G3

Type II Medium



REPORT NUMBER: P954839

CATALOG NUMBER: GALN-SB8A-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5
2.5°	4050.4	4075.6	4039.3	3970.0	3866.1	3798.3	3632.9	3476.9	3303.6	3248.5	3075.2
5°	4937.3	4959.4	4918.4	4842.8	4704.2	4571.8	4354.4	4028.3	3689.6	3580.9	3273.7
7.5°	5594.3	5606.9	5591.1	5521.8	5389.5	5239.8	4997.2	4611.2	4108.7	3988.9	3517.9
10°	6066.9	6107.9	6103.1	6076.4	5988.1	5866.8	5608.5	5168.9	4578.1	4423.7	3793.6
12.5°	6380.4	6426.1	6452.9	6512.7	6508.0	6430.8	6204.0	5739.2	5046.0	4864.9	4103.9
15°	6471.8	6520.6	6623.0	6761.7	6884.5	6923.9	6764.8	6298.5	5561.2	5329.6	4422.2
17.5°	6419.8	6495.4	6618.3	6837.3	7106.7	7284.7	7267.4	6838.8	6029.1	5764.4	4734.1
20°	6534.8	6607.3	6703.4	6887.7	7201.2	7524.2	7653.3	7355.6	6493.8	6216.6	5061.8
22.5°	7171.3	7158.7	7168.1	7198.0	7385.5	7705.3	7971.6	7825.1	6953.9	6670.3	5408.4
25°	8179.5	8122.8	8026.7	7864.4	7817.2	7971.6	8248.8	8241.0	7439.1	7135.0	5762.8
27.5°	9335.9	9326.4	9101.1	8710.4	8489.9	8430.0	8562.3	8645.8	7919.6	7595.0	6118.9
30°	10443.4	10468.6	10164.5	9729.7	9324.8	9090.1	8970.4	9030.2	8408.0	8091.3	6486.0
32.5°	11407.5	11434.3	11103.5	10594.6	10093.6	9810.1	9558.0	9409.9	8940.4	8595.4	6889.3
35°	12222.0	12248.8	11869.1	11306.7	10772.6	10515.9	10230.7	9825.8	9476.1	9154.7	7338.3
37.5°	12949.9	12942.0	12433.1	11866.0	11341.4	11138.1	10988.5	10337.8	10027.5	9717.1	7836.1
40°	13379.9	13413.0	12978.2	12352.8	11843.9	11695.8	11686.4	10972.7	10663.9	10363.0	8381.2
42.5°	13506.0	13564.3	13249.2	12735.6	12274.0	12113.3	12360.7	11659.6	11404.4	11111.4	8997.2
45°	13279.1	13335.8	13192.5	12836.4	12567.0	12463.1	12940.4	12371.7	12195.2	11905.4	9691.9
47.5°	12617.4	12688.3	12723.0	12647.4	12644.2	12749.8	13460.3	13121.6	13134.2	12838.0	10496.9
50°	11336.6	11456.4	11774.6	12042.4	12456.8	12976.6	13966.0	13934.5	14192.9	13937.6	11546.2
52.5°	9008.2	9178.3	10274.8	11007.4	11938.4	12934.1	14522.1	15238.9	16050.3	15676.9	13025.5
55°	7239.0	7239.0	8130.7	9501.3	10927.0	12653.7	14764.7	16086.5	17315.3	17227.1	14066.8
57.5°	5901.5	5972.4	6541.1	7752.6	9463.5	11985.7	14914.4	16619.0	18334.6	18270.0	15084.5
60°	3642.3	3795.2	4869.6	6065.3	7798.3	10796.3	14819.9	17157.8	19571.3	19623.3	16310.2
62.5°	2051.2	2107.9	2586.8	4363.9	6063.7	9197.2	14096.8	17458.7	21153.0	21373.6	17573.7
65°	1416.3	1444.6	1629.0	2716.0	4203.2	7322.5	12683.6	17271.2	22737.9	23183.7	18645.0
67.5°	1028.7	1042.9	1157.9	1658.9	2493.9	5309.1	10468.6	16326.0	23577.6	24322.7	18849.8
70°	790.9	800.3	883.8	1090.2	1473.0	3276.9	7602.9	14446.5	22969.5	23859.6	17800.5
72.5°	642.8	652.2	716.8	806.6	976.8	1937.8	4608.1	11732.1	20285.0	21246.0	15153.9
75°	541.9	554.5	612.8	671.1	765.6	1244.6	2161.5	8170.1	15254.7	15884.8	10537.9
77.5°	300.9	277.3	497.8	556.1	645.9	787.7	1011.4	4808.1	8543.4	8718.3	4675.8
80°	187.5	193.8	395.4	447.4	496.3	397.0	463.2	1851.1	2961.8	2813.7	905.9
82.5°	11.0	25.2	304.1	323.0	340.3	170.1	174.9	628.6	713.7	655.4	160.7
85°	0.0	0.0	138.6	111.9	118.2	48.8	50.4	146.5	96.1	104.0	31.5
87.5°	0.0	0.0	0.0	3.2	0.0	4.7	9.5	12.6	4.7	6.3	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: P954839

CATALOG NUMBER: GALN-SB8A-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5	2925.5
2.5°	2964.9	2854.6	2630.9	2412.0	2233.9	2068.5	1950.4	1838.5	1781.8	1778.6	1775.5
5°	3054.7	2823.1	2375.7	1980.3	1662.1	1406.8	1241.4	1123.3	1063.4	1042.9	1039.8
7.5°	3180.8	2832.6	2152.0	1602.2	1227.2	1008.3	913.7	875.9	863.3	849.1	846.0
10°	3339.9	2854.6	1951.9	1290.3	967.3	857.0	819.2	803.5	794.0	784.6	781.4
12.5°	3517.9	2875.1	1753.4	1071.3	850.7	794.0	767.2	748.3	735.7	724.7	721.5
15°	3691.2	2887.7	1547.1	918.5	790.9	745.2	716.8	696.3	679.0	666.4	664.8
17.5°	3862.9	2905.1	1353.3	827.1	742.0	696.3	668.0	642.8	628.6	614.4	612.8
20°	4053.5	2901.9	1170.5	762.5	693.2	647.5	617.6	593.9	579.8	564.0	562.4
22.5°	4230.0	2886.1	1009.8	707.4	642.8	598.7	565.6	541.9	527.8	515.2	513.6
25°	4433.2	2873.5	875.9	656.9	595.5	551.4	515.2	493.1	477.3	466.3	464.7
27.5°	4628.6	2854.6	778.3	611.3	549.8	507.3	472.6	447.4	433.2	425.4	425.4
30°	4820.8	2849.9	742.0	567.1	508.9	466.3	431.7	408.0	397.0	393.9	392.3
32.5°	5052.3	2862.5	757.8	551.4	471.0	428.5	395.4	378.1	367.1	367.1	367.1
35°	5299.7	2859.4	781.4	565.6	445.8	390.7	365.5	354.5	343.4	343.4	343.4
37.5°	5610.0	2864.1	800.3	589.2	436.4	359.2	345.0	330.8	324.5	324.5	324.5
40°	6073.2	3020.1	790.9	609.7	433.2	337.1	308.8	304.1	299.3	299.3	299.3
42.5°	6640.3	3358.8	803.5	611.3	431.7	321.4	283.6	293.0	282.0	280.4	278.8
45°	7261.1	3729.0	883.8	578.2	430.1	313.5	271.0	282.0	264.7	264.7	264.7
47.5°	7877.0	4096.1	965.7	530.9	425.4	311.9	259.9	253.6	248.9	250.5	250.5
50°	8726.2	4395.4	997.2	466.3	414.3	308.8	239.5	241.0	237.9	241.0	241.0
52.5°	9651.0	4458.4	959.4	393.9	382.8	299.3	225.3	231.6	230.0	233.2	233.2
55°	10227.6	4390.7	792.4	327.7	334.0	261.5	211.1	223.7	223.7	223.7	223.7
57.5°	10823.1	4102.4	562.4	266.2	277.3	214.3	198.5	215.8	214.3	212.7	212.7
60°	11251.6	3636.0	370.2	219.0	220.6	176.4	184.3	203.2	201.7	193.8	193.8
62.5°	11571.4	3120.9	237.9	185.9	168.6	159.1	168.6	184.3	178.0	160.7	157.5
65°	11535.1	2407.2	182.7	159.1	138.6	138.6	146.5	160.7	141.8	113.4	110.3
67.5°	10862.4	1629.0	151.2	133.9	116.6	115.0	121.3	133.9	121.3	96.1	92.9
70°	9660.4	1065.0	121.3	104.0	92.9	85.1	97.7	115.0	102.4	77.2	74.0
72.5°	7840.8	649.1	91.4	75.6	67.7	55.1	77.2	94.5	81.9	56.7	53.6
75°	5072.8	330.8	63.0	48.8	36.2	33.1	56.7	70.9	56.7	34.7	29.9
77.5°	1940.9	138.6	34.7	22.1	18.9	15.8	31.5	42.5	23.6	7.9	6.3
80°	373.4	58.3	17.3	11.0	9.5	6.3	4.7	3.2	0.0	0.0	0.0
82.5°	64.6	18.9	6.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.9	0.0	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)