

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: P956267

Luminaire Tested: **GALN-SB9A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956267
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-SB9A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 28577 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 255.5
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



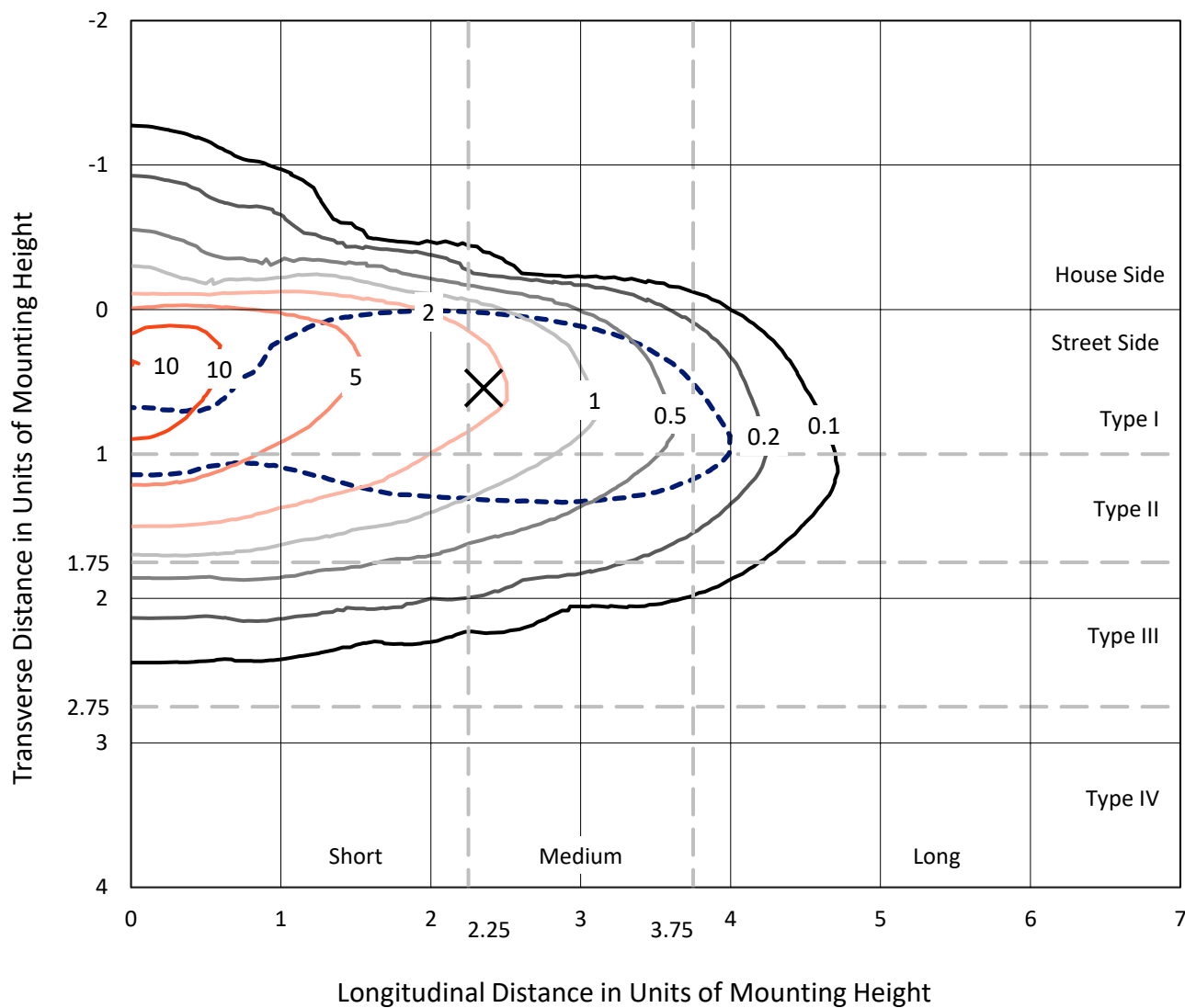
REPORT NUMBER: P956267

CATALOG NUMBER: GALN-SB9A-722-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

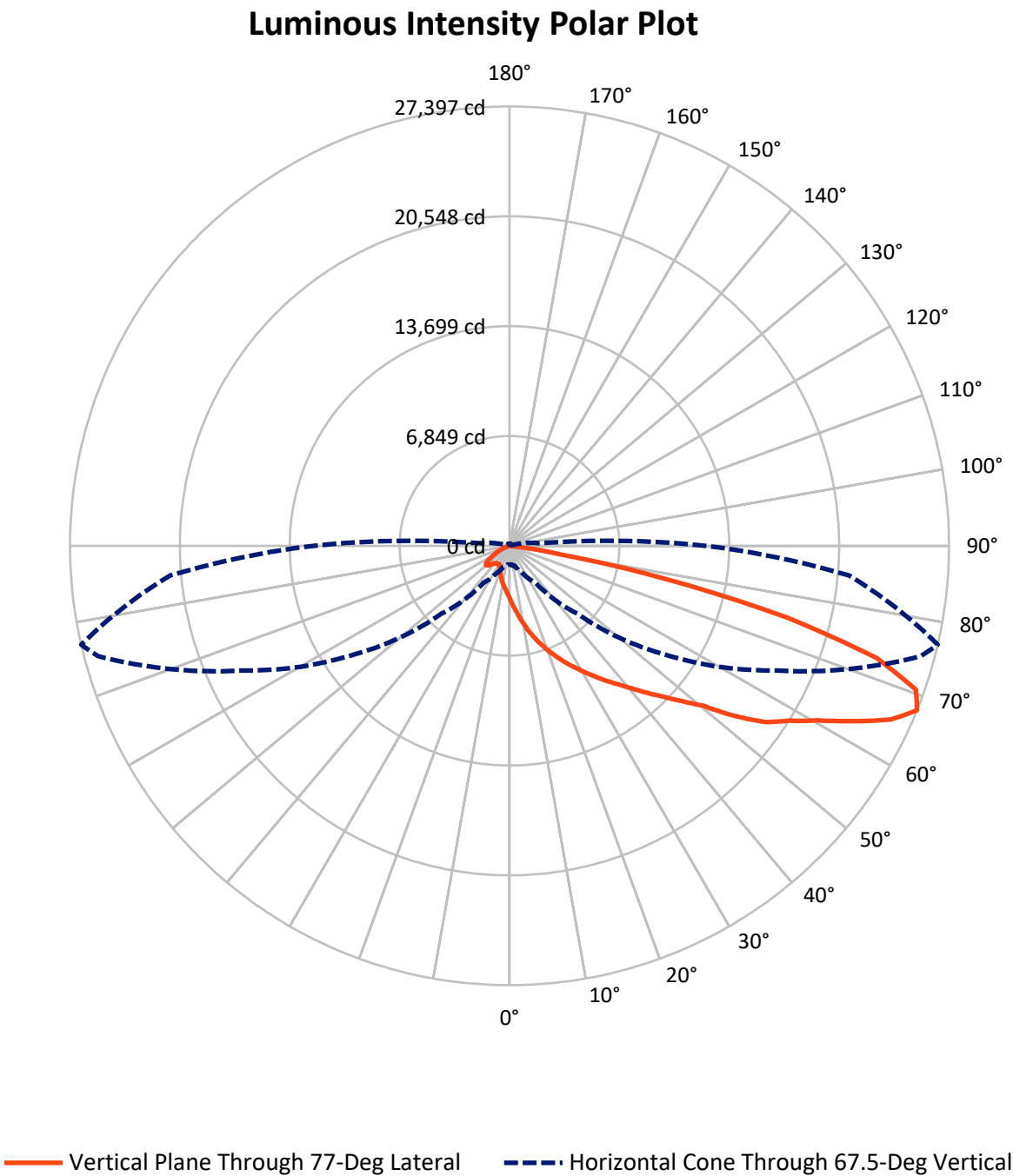
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
Type II - Medium - N/A

REPORT NUMBER: P956267
CATALOG NUMBER: GALN-SB9A-722-U-T2R-HSS



REPORT NUMBER: P956267

CATALOG NUMBER: GALN-SB9A-722-U-T2R-HSS

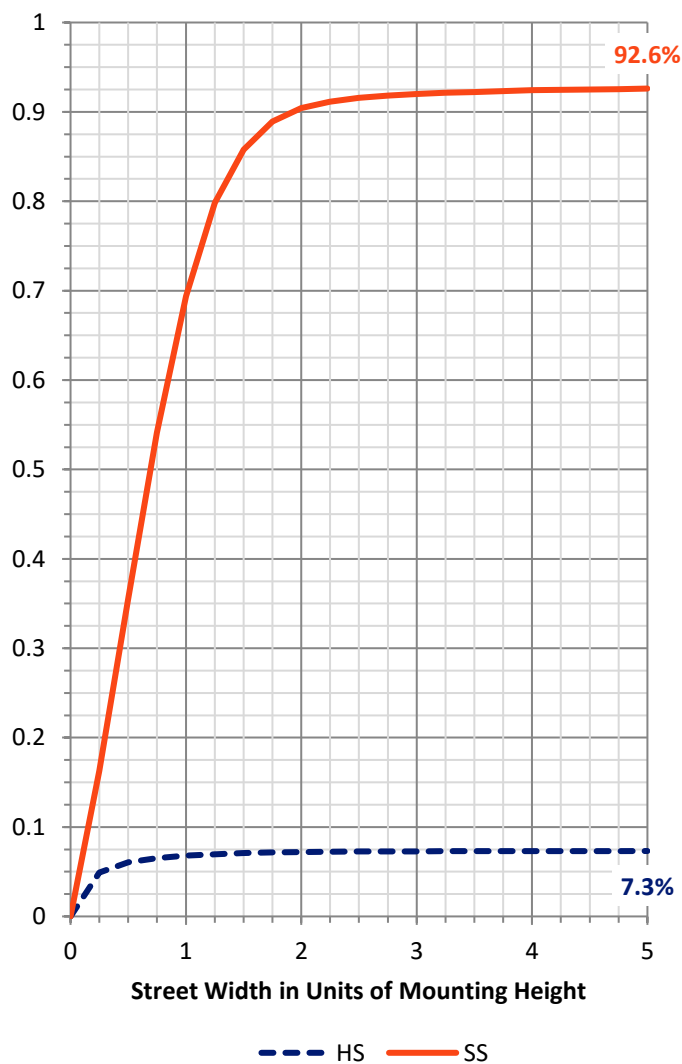
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2102.4	0.0	2102.4
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	26474.6	0.0	26474.6
	% Fixture	92.6	0.0	92.6
Total	Lumens	28577.0	0.0	28577.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.3	1.2
10°-20°	1177.8	4.1
20°-30°	2272.9	8.0
30°-40°	3945.9	13.8
40°-50°	5729.2	20.0
50°-60°	6579.3	23.0
60°-70°	5712.0	20.0
70°-80°	2690.4	9.4
80°-90°	133.0	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°	28577.0	100.0
0°-180°	28577.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956267

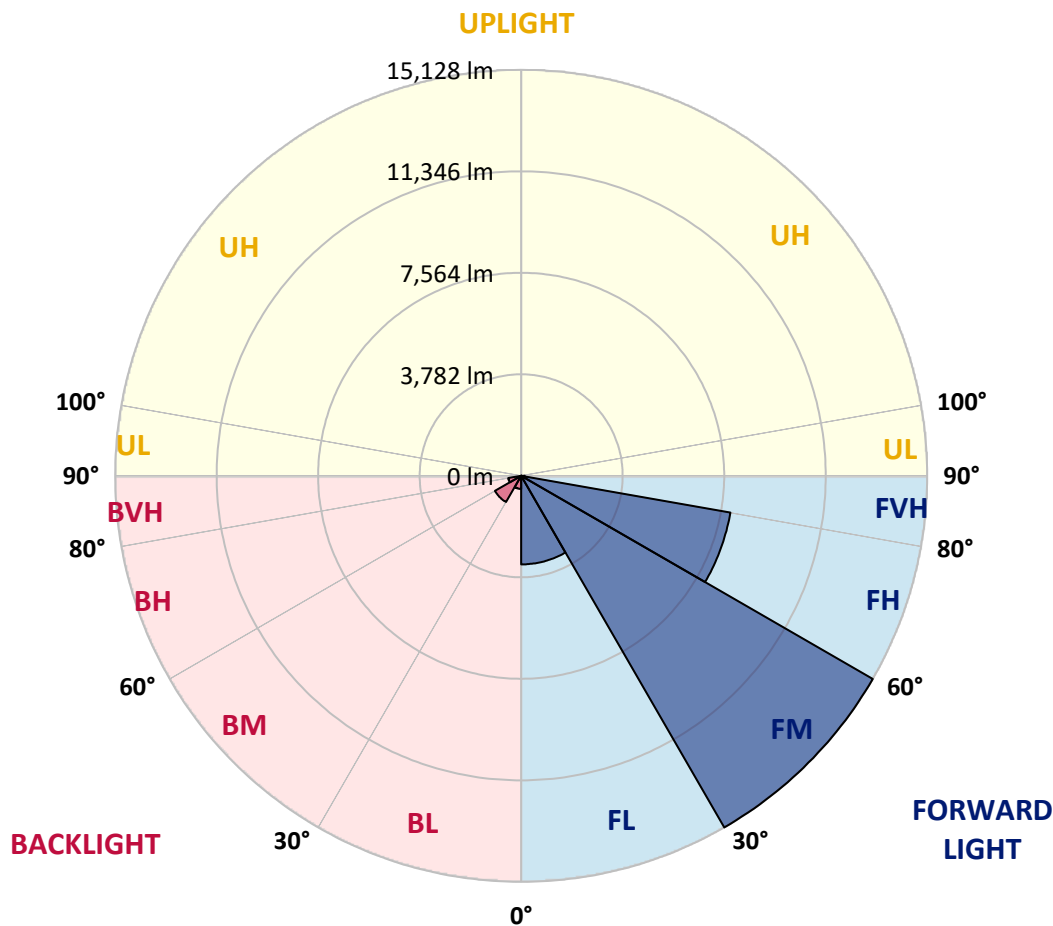
CATALOG NUMBER: GALN-SB9A-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3300.3	11.5			
FM	(30°-60°)	15127.9	52.9			
FH	(60°-80°)	7915.7	27.7			G4/12000
FVH	(80°-90°)	130.6	0.5			G2/225
BL	(0°-30°)	486.7	1.7	B1/500		
BM	(30°-60°)	1126.5	3.9	B2/2500		
BH	(60°-80°)	486.7	1.7	B1/500		G1/500
BVH	(80°-90°)	2.4	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 II Medium



REPORT NUMBER: P956267

CATALOG NUMBER: GALN-SB9A-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3
2.5°	4562.4	4590.8	4550.0	4471.9	4354.8	4278.5	4092.1	3916.4	3721.2	3659.1	3463.9
5°	5561.5	5586.3	5540.2	5455.0	5298.8	5149.8	4904.9	4537.5	4156.0	4033.6	3687.5
7.5°	6301.4	6315.6	6297.9	6219.8	6070.8	5902.2	5628.9	5194.1	4628.0	4493.2	3962.6
10°	6833.8	6879.9	6874.6	6844.5	6745.1	6608.4	6317.4	5822.3	5156.9	4982.9	4273.1
12.5°	7186.9	7238.4	7268.6	7336.0	7330.7	7243.7	6988.2	6464.7	5683.9	5479.8	4622.7
15°	7289.9	7344.9	7460.2	7616.4	7754.8	7799.2	7619.9	7094.7	6264.2	6003.3	4981.2
17.5°	7231.3	7316.5	7454.9	7701.6	8005.0	8205.5	8186.0	7703.3	6791.2	6493.1	5332.5
20°	7360.9	7442.5	7550.7	7758.4	8111.5	8475.3	8620.8	8285.4	7314.7	7002.4	5701.6
22.5°	8077.8	8063.6	8074.2	8107.9	8319.1	8679.3	8979.2	8814.2	7832.9	7513.5	6092.0
25°	9213.5	9149.6	9041.4	8858.6	8805.3	8979.2	9291.6	9282.7	8379.4	8037.0	6491.3
27.5°	10516.0	10505.4	10251.6	9811.5	9563.1	9495.6	9644.7	9738.8	8920.7	8555.1	6892.4
30°	11763.5	11791.9	11449.4	10959.7	10503.6	10239.2	10104.3	10171.7	9470.8	9114.1	7305.8
32.5°	12849.6	12879.7	12507.1	11933.9	11369.6	11050.2	10766.2	10599.4	10070.6	9682.0	7760.1
35°	13767.0	13797.2	13369.5	12736.0	12134.4	11845.2	11524.0	11067.9	10673.9	10311.9	8265.9
37.5°	14586.8	14578.0	14004.8	13365.9	12775.0	12546.1	12377.5	11644.6	11295.0	10945.5	8826.6
40°	15071.3	15108.6	14618.8	13914.3	13341.1	13174.3	13163.6	12359.8	12012.0	11673.0	9440.6
42.5°	15213.3	15278.9	14924.0	14345.5	13825.6	13644.6	13923.2	13133.5	12846.0	12515.9	10134.5
45°	14957.7	15021.6	14860.1	14459.1	14155.6	14038.5	14576.2	13935.6	13736.8	13410.3	10917.1
47.5°	14212.4	14292.3	14331.3	14246.1	14242.6	14361.5	15161.8	14780.3	14794.5	14460.8	11823.9
50°	12769.7	12904.6	13263.0	13564.7	14031.4	14617.0	15731.4	15695.9	15987.0	15699.5	13005.7
52.5°	10146.9	10338.6	11573.6	12398.8	13447.6	14569.1	16357.8	17165.3	18079.2	17658.6	14672.0
55°	8154.1	8154.1	9158.5	10702.3	12308.3	14253.2	16631.1	18120.0	19504.1	19404.8	15845.0
57.5°	6647.5	6727.3	7368.0	8732.6	10659.8	13500.8	16799.7	18719.8	20652.3	20579.5	16991.4
60°	4102.8	4274.9	5485.1	6832.0	8784.0	12161.0	16693.2	19326.7	22045.3	22103.9	18372.0
62.5°	2310.5	2374.4	2913.8	4915.5	6830.3	10359.9	15878.7	19665.6	23826.9	24075.4	19795.2
65°	1595.3	1627.3	1834.9	3059.3	4734.5	8248.1	14286.9	19454.4	25612.1	26114.3	21001.9
67.5°	1158.8	1174.8	1304.3	1868.6	2809.1	5980.2	11791.9	18389.7	26558.0	27397.4	21232.5
70°	890.8	901.5	995.5	1228.0	1659.2	3691.1	8564.0	16272.7	25873.0	26875.6	20050.7
72.5°	724.0	734.7	807.4	908.6	1100.2	2182.7	5190.6	13215.1	22849.2	23931.6	17069.4
75°	610.4	624.6	690.3	756.0	862.4	1401.9	2434.7	9202.8	17183.0	17892.8	11870.0
77.5°	338.9	312.3	560.8	626.4	727.6	887.3	1139.3	5415.9	9623.4	9820.4	5266.9
80°	211.2	218.3	445.4	504.0	559.0	447.2	521.7	2085.1	3336.2	3169.4	1020.4
82.5°	12.4	28.4	342.5	363.8	383.3	191.7	197.0	708.0	803.9	738.2	181.0
85°	0.0	0.0	156.2	126.0	133.1	55.0	56.8	165.0	108.2	117.1	35.5
87.5°	0.0	0.0	0.0	3.5	0.0	5.3	10.6	14.2	5.3	7.1	12.4
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: P956267

CATALOG NUMBER: GALN-SB9A-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3	3295.3
2.5°	3339.7	3215.5	2963.5	2716.8	2516.3	2330.0	2196.9	2070.9	2007.0	2003.5	1999.9
5°	3440.9	3180.0	2676.0	2230.6	1872.2	1584.7	1398.3	1265.3	1197.8	1174.8	1171.2
7.5°	3582.8	3190.6	2424.0	1804.7	1382.4	1135.7	1029.2	986.7	972.5	956.5	952.9
10°	3762.1	3215.5	2198.7	1453.4	1089.6	965.4	922.8	905.0	894.4	883.7	880.2
12.5°	3962.6	3238.6	1975.1	1206.7	958.3	894.4	864.2	842.9	828.7	816.3	812.7
15°	4157.8	3252.8	1742.6	1034.6	890.8	839.4	807.4	784.4	764.8	750.6	748.9
17.5°	4351.2	3272.3	1524.3	931.6	835.8	784.4	752.4	724.0	708.0	692.1	690.3
20°	4565.9	3268.7	1318.5	858.9	780.8	729.3	695.6	669.0	653.0	635.3	633.5
22.5°	4764.7	3251.0	1137.5	796.8	724.0	674.3	637.1	610.4	594.5	580.3	578.5
25°	4993.6	3236.8	986.7	740.0	670.8	621.1	580.3	555.4	537.7	525.3	523.5
27.5°	5213.6	3215.5	876.6	688.5	619.3	571.4	532.4	504.0	488.0	479.1	479.1
30°	5430.1	3210.2	835.8	638.8	573.2	525.3	486.2	459.6	447.2	443.6	441.9
32.5°	5691.0	3224.4	853.6	621.1	530.6	482.7	445.4	425.9	413.5	413.5	413.5
35°	5969.6	3220.8	880.2	637.1	502.2	440.1	411.7	399.3	386.9	386.9	386.9
37.5°	6319.2	3226.1	901.5	663.7	491.6	404.6	388.6	372.7	365.6	365.6	365.6
40°	6840.9	3401.8	890.8	686.8	488.0	379.8	347.8	342.5	337.2	337.2	337.2
42.5°	7479.7	3783.4	905.0	688.5	486.2	362.0	319.4	330.1	317.6	315.9	314.1
45°	8178.9	4200.4	995.5	651.3	484.5	353.1	305.2	317.6	298.1	298.1	298.1
47.5°	8872.8	4613.8	1087.8	598.0	479.1	351.4	292.8	285.7	280.4	282.2	282.2
50°	9829.3	4951.0	1123.3	525.3	466.7	347.8	269.7	271.5	268.0	271.5	271.5
52.5°	10870.9	5022.0	1080.7	443.6	431.2	337.2	253.8	260.9	259.1	262.6	262.6
55°	11520.4	4945.7	892.6	369.1	376.2	294.6	237.8	252.0	252.0	252.0	252.0
57.5°	12191.2	4620.9	633.5	299.9	312.3	241.3	223.6	243.1	241.3	239.6	239.6
60°	12673.9	4095.7	417.0	246.7	248.4	198.8	207.6	228.9	227.1	218.3	218.3
62.5°	13034.1	3515.4	268.0	209.4	189.9	179.2	189.9	207.6	200.5	181.0	177.5
65°	12993.3	2711.5	205.8	179.2	156.2	156.2	165.0	181.0	159.7	127.8	124.2
67.5°	12235.6	1834.9	170.4	150.8	131.3	129.5	136.6	150.8	136.6	108.2	104.7
70°	10881.6	1199.6	136.6	117.1	104.7	95.8	110.0	129.5	115.3	87.0	83.4
72.5°	8832.0	731.1	102.9	85.2	76.3	62.1	87.0	106.5	92.3	63.9	60.3
75°	5714.1	372.7	71.0	55.0	40.8	37.3	63.9	79.9	63.9	39.0	33.7
77.5°	2186.3	156.2	39.0	24.8	21.3	17.7	35.5	47.9	26.6	8.9	7.1
80°	420.6	65.7	19.5	12.4	10.6	7.1	5.3	3.5	0.0	0.0	0.0
82.5°	72.8	21.3	7.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	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)