

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: P955553

Luminaire Tested: **GALN-SB8C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955553
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-SB8C-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA 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: 42356 lumens
Efficiency: N/A
Efficacy: 105.9 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): 399.8
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



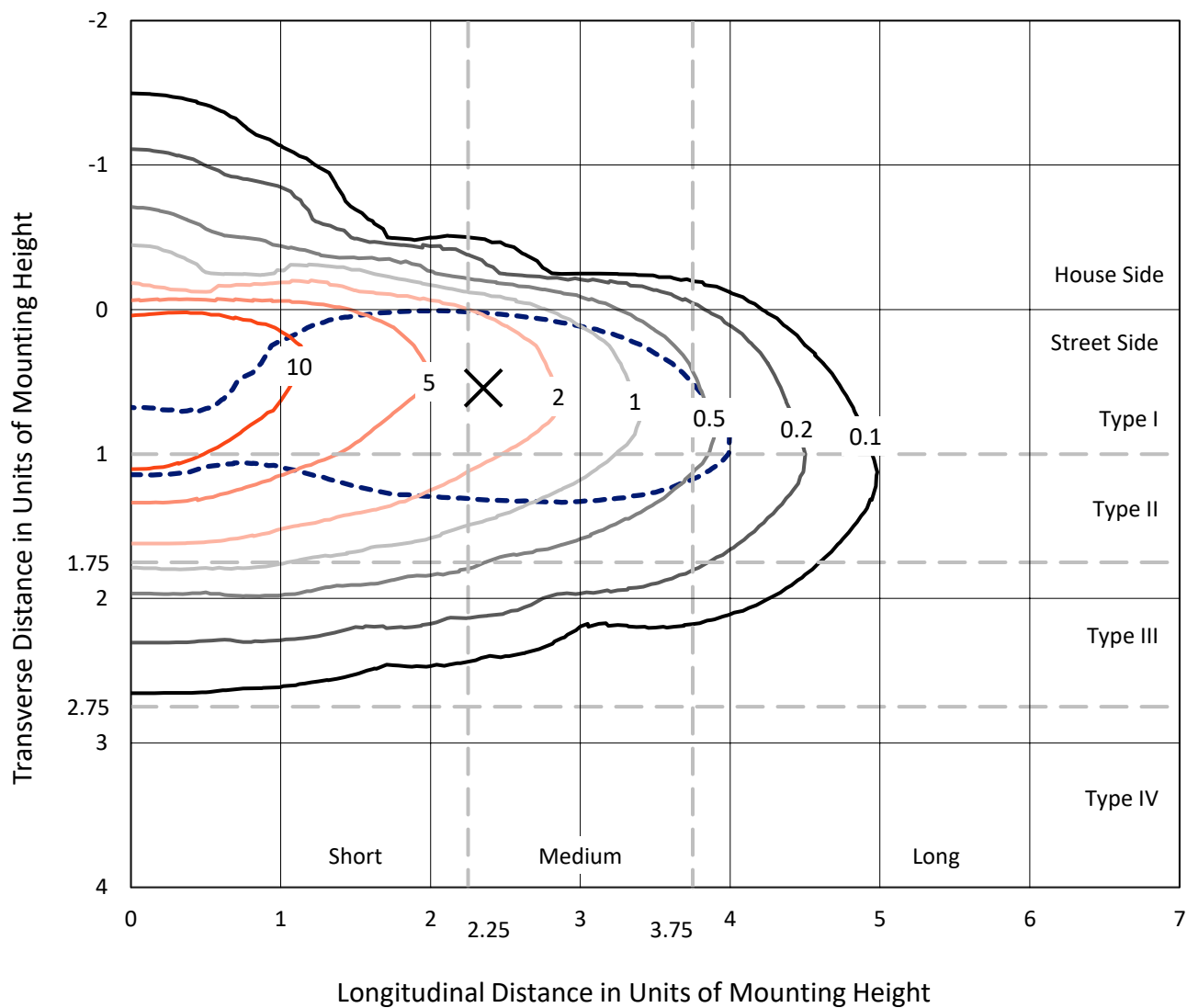
REPORT NUMBER: P955553

CATALOG NUMBER: GALN-SB8C-722-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

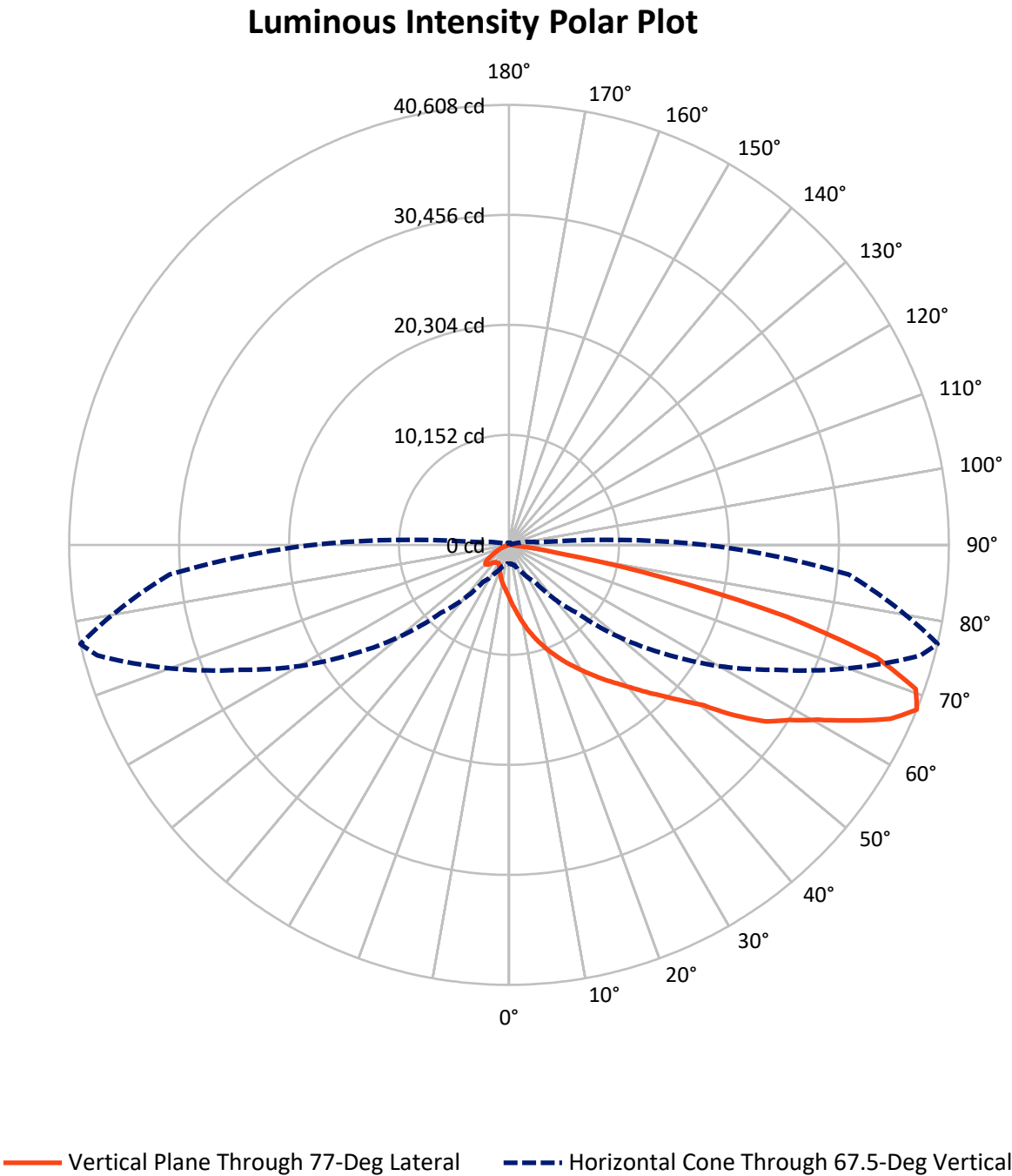
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.3 fc
Type II - Medium - N/A

REPORT NUMBER: P955553
CATALOG NUMBER: GALN-SB8C-722-U-T2R-HSS



REPORT NUMBER: P955553

CATALOG NUMBER: GALN-SB8C-722-U-T2R-HSS

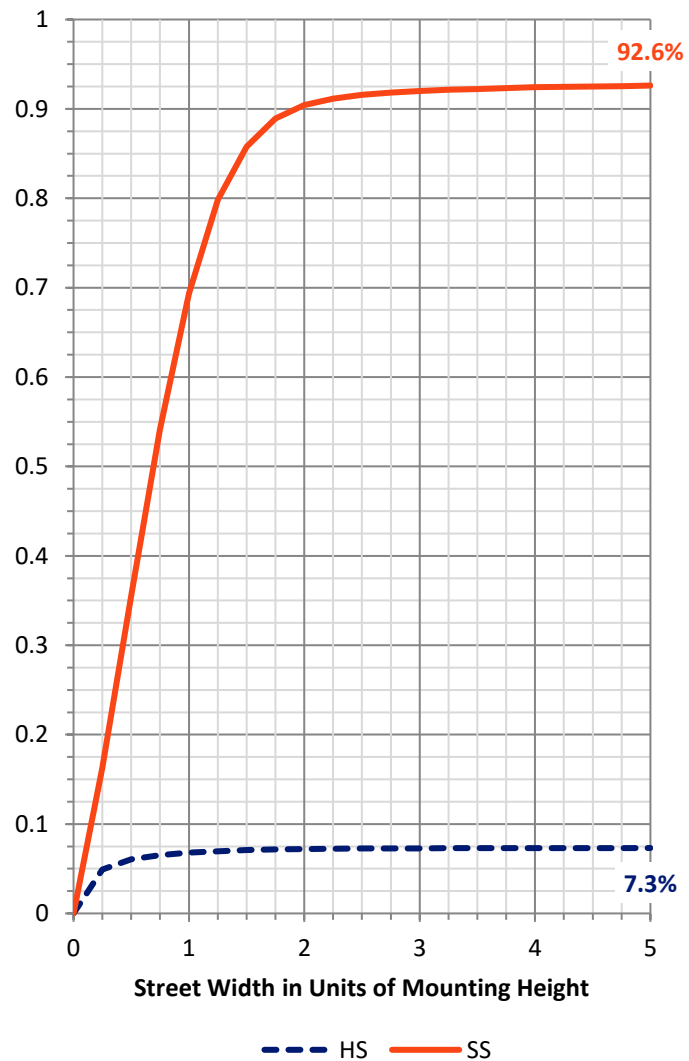
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3116.1	0.0	3116.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	39239.9	0.0	39239.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	42356.0	0.0	42356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.5	1.2
10°-20°	1745.8	4.1
20°-30°	3368.8	8.0
30°-40°	5848.5	13.8
40°-50°	8491.7	20.0
50°-60°	9751.6	23.0
60°-70°	8466.2	20.0
70°-80°	3987.7	9.4
80°-90°	197.2	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°	42356.0	100.0
0°-180°	42356.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955553

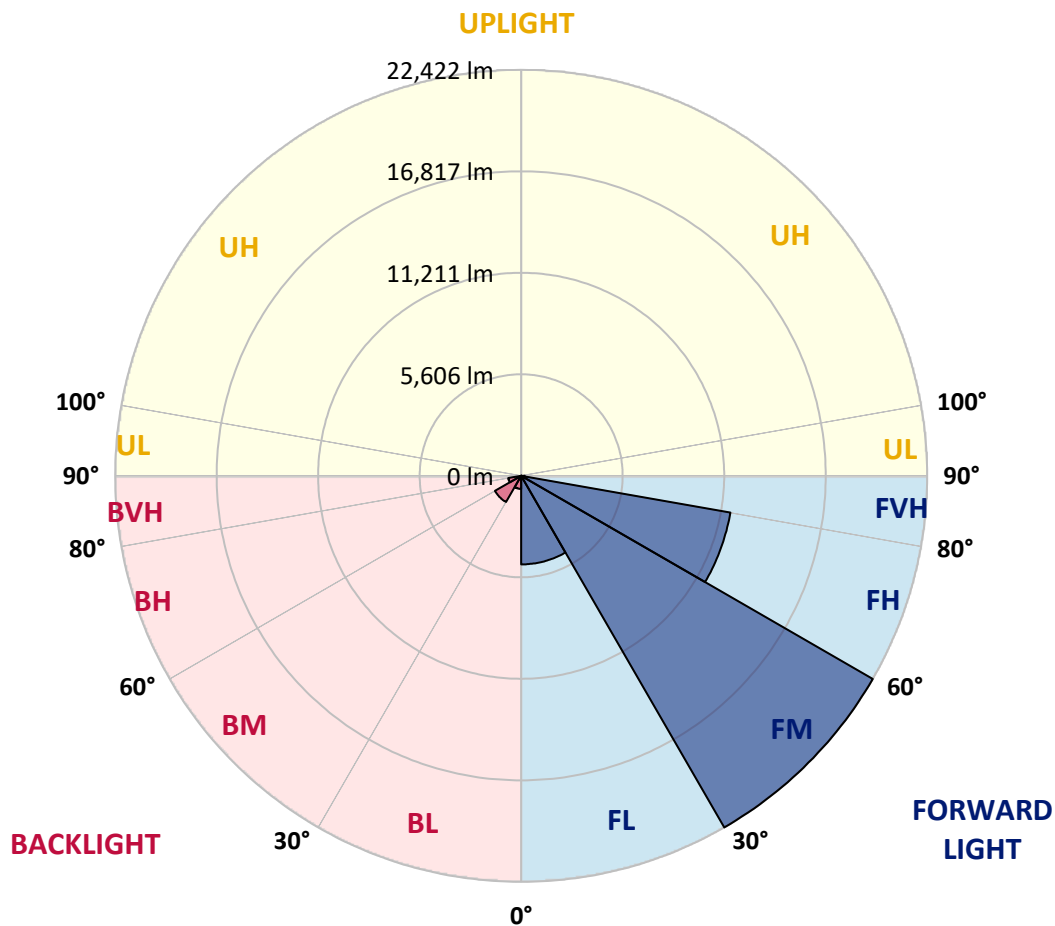
CATALOG NUMBER: GALN-SB8C-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4891.7	11.5			
FM	(30°-60°)	22422.1	52.9			
FH	(60°-80°)	11732.5	27.7			G4/12000
FVH	(80°-90°)	193.6	0.5			G2/225
BL	(0°-30°)	721.4	1.7	B2/1000		
BM	(30°-60°)	1669.7	3.9	B2/2500		
BH	(60°-80°)	721.4	1.7	B2/1000		G2/1000
BVH	(80°-90°)	3.6	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: P955553

CATALOG NUMBER: GALN-SB8C-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3
2.5°	6762.2	6804.3	6743.8	6628.1	6454.5	6341.4	6065.2	5804.8	5515.5	5423.5	5134.1
5°	8243.0	8279.8	8211.5	8085.2	7853.8	7632.8	7269.9	6725.4	6159.9	5978.4	5465.5
7.5°	9339.8	9360.9	9334.6	9218.8	8997.9	8748.0	8343.0	7698.6	6859.5	6659.7	5873.2
10°	10128.9	10197.3	10189.4	10144.7	9997.4	9794.8	9363.5	8629.7	7643.3	7385.6	6333.5
12.5°	10652.3	10728.6	10773.3	10873.2	10865.3	10736.5	10357.7	9581.8	8424.5	8122.0	6851.7
15°	10804.8	10886.4	11057.3	11288.8	11493.9	11559.7	11294.1	10515.5	9284.6	8897.9	7383.0
17.5°	10718.0	10844.3	11049.4	11415.0	11864.8	12162.0	12133.1	11417.7	10065.8	9623.9	7903.7
20°	10910.0	11031.0	11191.5	11499.2	12022.6	12561.8	12777.5	12280.4	10841.7	10378.7	8450.8
22.5°	11972.6	11951.6	11967.4	12017.4	12330.3	12864.3	13308.8	13064.2	11609.7	11136.2	9029.5
25°	13656.0	13561.3	13400.8	13129.9	13051.0	13308.8	13771.7	13758.5	12419.8	11912.1	9621.2
27.5°	15586.5	15570.7	15194.6	14542.3	14174.1	14074.2	14295.1	14434.5	13222.0	12680.2	10215.7
30°	17435.6	17477.6	16970.0	16244.1	15568.1	15176.2	14976.3	15076.3	14037.3	13508.7	10828.5
32.5°	19045.2	19089.9	18537.6	17688.1	16851.7	16378.2	15957.4	15710.1	14926.3	14350.3	11501.8
35°	20405.0	20449.8	19815.9	18876.9	17985.3	17556.5	17080.5	16404.5	15820.6	15284.1	12251.4
37.5°	21620.2	21607.0	20757.5	19810.6	18934.8	18595.5	18345.6	17259.3	16741.2	16223.0	13082.6
40°	22338.2	22393.5	21667.5	20623.3	19773.8	19526.6	19510.8	18319.3	17803.8	17301.4	13992.6
42.5°	22548.6	22646.0	22119.9	21262.5	20491.8	20223.6	20636.5	19466.1	19040.0	18550.8	15021.0
45°	22169.9	22264.6	22025.2	21430.8	20981.1	20807.5	21604.4	20654.9	20360.3	19876.4	16181.0
47.5°	21065.2	21183.6	21241.4	21115.2	21109.9	21286.2	22472.4	21906.9	21927.9	21433.4	17525.0
50°	18926.9	19126.8	19658.1	20105.2	20796.9	21664.9	23316.7	23264.1	23695.4	23269.3	19276.7
52.5°	15039.4	15323.5	17154.1	18377.2	19931.6	21593.9	24245.1	25441.9	26796.4	26173.1	21746.4
55°	12085.7	12085.7	13574.4	15862.7	18243.0	21125.7	24650.2	26856.9	28908.5	28761.2	23485.0
57.5°	9852.7	9971.1	10920.6	12943.2	15799.6	20010.5	24900.0	27745.9	30610.2	30502.4	25184.1
60°	6081.0	6336.1	8129.9	10126.2	13019.5	18024.7	24742.2	28645.4	32674.9	32761.7	27230.4
62.5°	3424.5	3519.2	4318.8	7285.6	10123.6	15355.1	23535.0	29147.8	35315.6	35683.8	29339.8
65°	2364.5	2411.9	2719.6	4534.5	7017.4	12225.1	21175.7	28834.8	37961.6	38705.9	31128.3
67.5°	1717.5	1741.2	1933.2	2769.6	4163.6	8863.8	17477.6	27256.7	39363.5	40607.6	31470.3
70°	1320.4	1336.1	1475.5	1820.1	2459.2	5470.8	12693.3	24118.9	38348.2	39834.3	29718.6
72.5°	1073.1	1088.9	1196.7	1346.7	1630.7	3235.1	7693.3	19587.1	33866.4	35470.8	25299.8
75°	904.8	925.8	1023.1	1120.5	1278.3	2077.9	3608.6	13640.2	25468.2	26520.2	17593.4
77.5°	502.4	462.9	831.1	928.5	1078.4	1315.1	1688.6	8027.4	14263.5	14555.5	7806.4
80°	313.0	323.5	660.2	747.0	828.5	662.8	773.3	3090.5	4944.8	4697.5	1512.4
82.5°	18.4	42.1	507.6	539.2	568.1	284.1	292.0	1049.4	1191.5	1094.2	268.3
85°	0.0	0.0	231.5	186.7	197.3	81.5	84.2	244.6	160.4	173.6	52.6
87.5°	0.0	0.0	0.0	5.3	0.0	7.9	15.8	21.0	7.9	10.5	18.4
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: P955553

CATALOG NUMBER: GALN-SB8C-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3
2.5°	4950.0	4765.9	4392.4	4026.8	3729.6	3453.4	3256.2	3069.4	2974.7	2969.5	2964.2
5°	5099.9	4713.3	3966.3	3306.2	2774.9	2348.8	2072.6	1875.3	1775.4	1741.2	1735.9
7.5°	5310.4	4729.1	3592.8	2674.9	2048.9	1683.3	1525.5	1462.4	1441.3	1417.7	1412.4
10°	5576.0	4765.9	3258.8	2154.1	1614.9	1430.8	1367.7	1341.4	1325.6	1309.8	1304.6
12.5°	5873.2	4800.1	2927.4	1788.5	1420.3	1325.6	1280.9	1249.3	1228.3	1209.9	1204.6
15°	6162.5	4821.1	2582.9	1533.4	1320.4	1244.1	1196.7	1162.5	1133.6	1112.6	1109.9
17.5°	6449.2	4850.1	2259.3	1380.9	1238.8	1162.5	1115.2	1073.1	1049.4	1025.8	1023.1
20°	6767.5	4844.8	1954.2	1273.0	1157.3	1081.0	1031.0	991.6	967.9	941.6	939.0
22.5°	7062.1	4818.5	1686.0	1181.0	1073.1	999.5	944.2	904.8	881.1	860.1	857.4
25°	7401.4	4797.5	1462.4	1096.8	994.2	920.6	860.1	823.3	796.9	778.5	775.9
27.5°	7727.5	4765.9	1299.3	1020.5	917.9	846.9	789.1	747.0	723.3	710.2	710.2
30°	8048.4	4758.0	1238.8	946.9	849.6	778.5	720.7	681.2	662.8	657.5	654.9
32.5°	8435.0	4779.1	1265.1	920.6	786.4	715.4	660.2	631.2	612.8	612.8	612.8
35°	8848.0	4773.8	1304.6	944.2	744.3	652.3	610.2	591.8	573.4	573.4	573.4
37.5°	9366.1	4781.7	1336.1	983.7	728.6	599.7	576.0	552.3	541.8	541.8	541.8
40°	10139.4	5042.1	1320.4	1017.9	723.3	562.9	515.5	507.6	499.7	499.7	499.7
42.5°	11086.3	5607.6	1341.4	1020.5	720.7	536.6	473.4	489.2	470.8	468.2	465.5
45°	12122.6	6225.7	1475.5	965.3	718.0	523.4	452.4	470.8	441.9	441.9	441.9
47.5°	13151.0	6838.5	1612.3	886.4	710.2	520.8	434.0	423.5	415.6	418.2	418.2
50°	14568.6	7338.2	1664.9	778.5	691.7	515.5	399.8	402.4	397.2	402.4	402.4
52.5°	16112.6	7443.4	1601.8	657.5	639.1	499.7	376.1	386.6	384.0	389.3	389.3
55°	17075.2	7330.3	1323.0	547.1	557.6	436.6	352.4	373.5	373.5	373.5	373.5
57.5°	18069.4	6849.0	939.0	444.5	462.9	357.7	331.4	360.3	357.7	355.1	355.1
60°	18784.8	6070.5	618.1	365.6	368.2	294.6	307.7	339.3	336.7	323.5	323.5
62.5°	19318.8	5210.4	397.2	310.4	281.4	265.6	281.4	307.7	297.2	268.3	263.0
65°	19258.3	4018.9	305.1	265.6	231.5	231.5	244.6	268.3	236.7	189.4	184.1
67.5°	18135.2	2719.6	252.5	223.6	194.6	192.0	202.5	223.6	202.5	160.4	155.2
70°	16128.3	1778.0	202.5	173.6	155.2	142.0	163.1	192.0	171.0	128.9	123.6
72.5°	13090.5	1083.6	152.6	126.2	113.1	92.1	128.9	157.8	136.8	94.7	89.4
75°	8469.2	552.3	105.2	81.5	60.5	55.2	94.7	118.4	94.7	57.9	50.0
77.5°	3240.4	231.5	57.9	36.8	31.6	26.3	52.6	71.0	39.5	13.2	10.5
80°	623.4	97.3	28.9	18.4	15.8	10.5	7.9	5.3	0.0	0.0	0.0
82.5°	107.8	31.6	10.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.2	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)