

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: P942458

Luminaire Tested: **GALN-SB6C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942458
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-SB6C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA 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: 28405 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 300.9
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



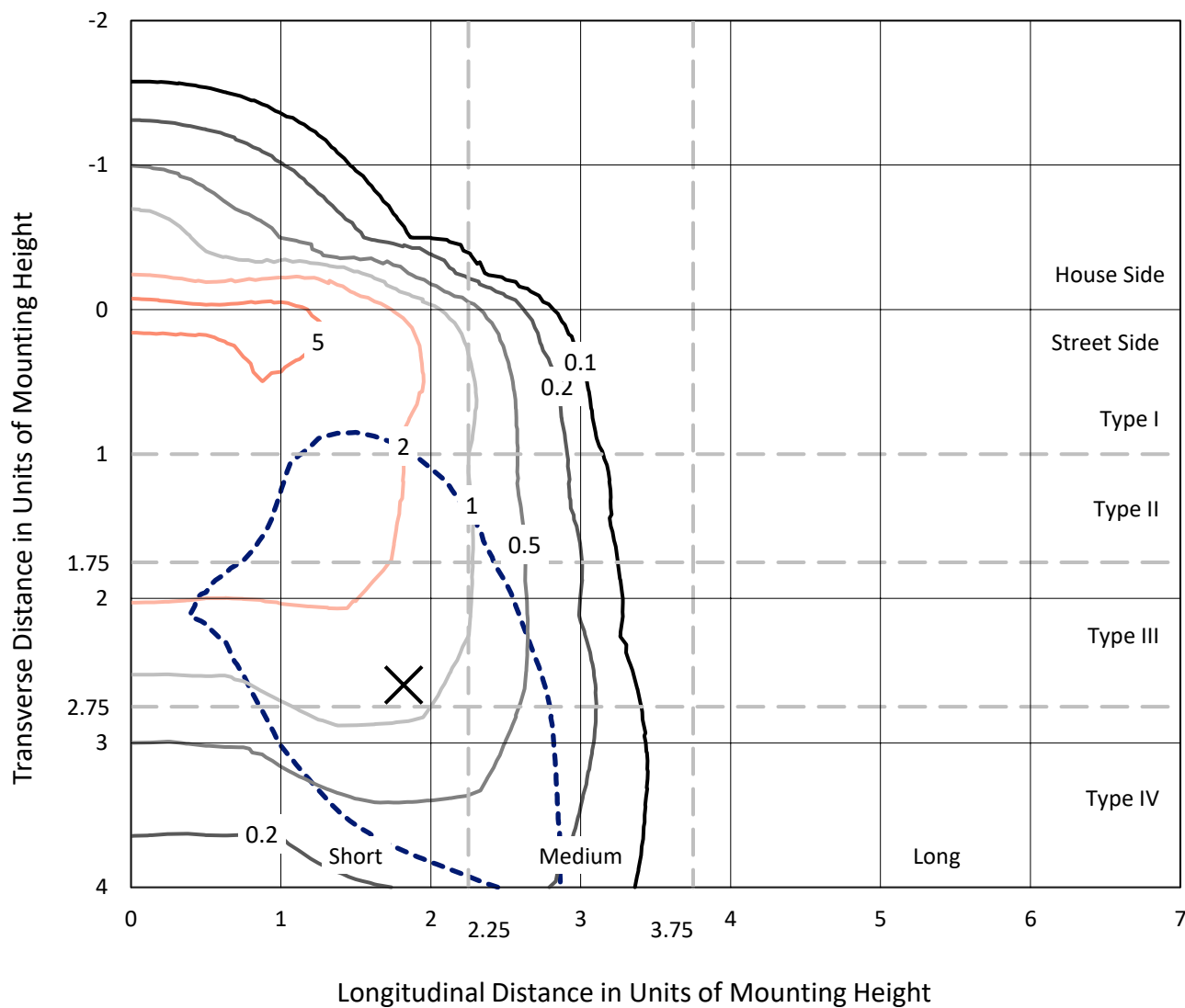
REPORT NUMBER: P942458

CATALOG NUMBER: GALN-SB6C-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

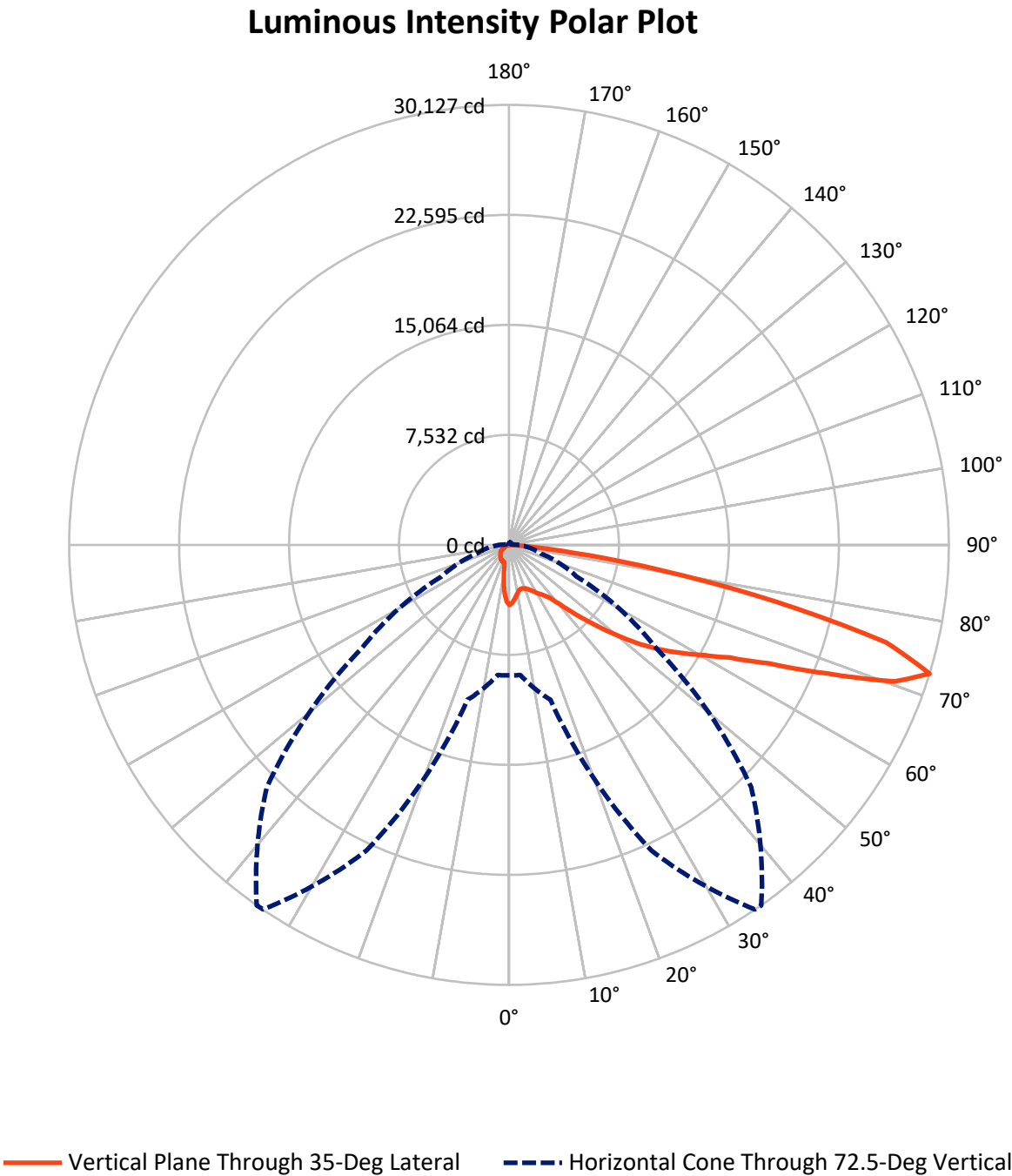
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc

Type IV - Short - N/A

REPORT NUMBER: P942458
CATALOG NUMBER: GALN-SB6C-722-U-T4FT-HSS



REPORT NUMBER: P942458

CATALOG NUMBER: GALN-SB6C-722-U-T4FT-HSS

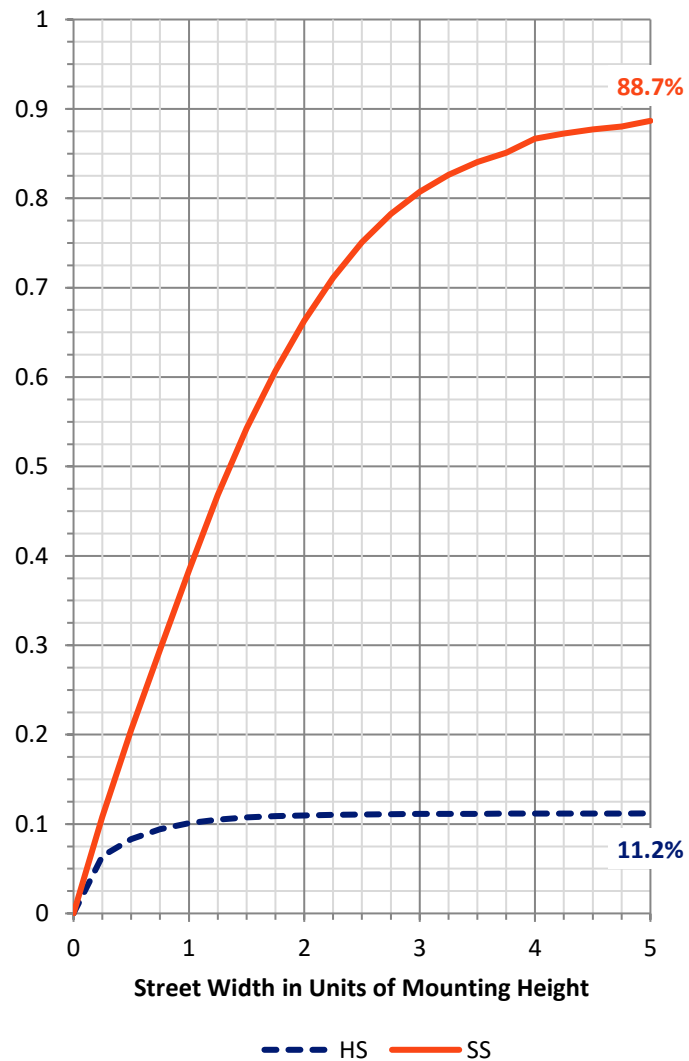
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3196.9	0.0	3196.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	25208.2	0.0	25208.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	28405.0	0.0	28405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.3	1.2
10°-20°	791.4	2.8
20°-30°	1285.6	4.5
30°-40°	2145.0	7.6
40°-50°	4058.4	14.3
50°-60°	6448.8	22.7
60°-70°	7977.7	28.1
70°-80°	4959.0	17.5
80°-90°	400.8	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°	28405.0	100.0
0°-180°	28405.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942458

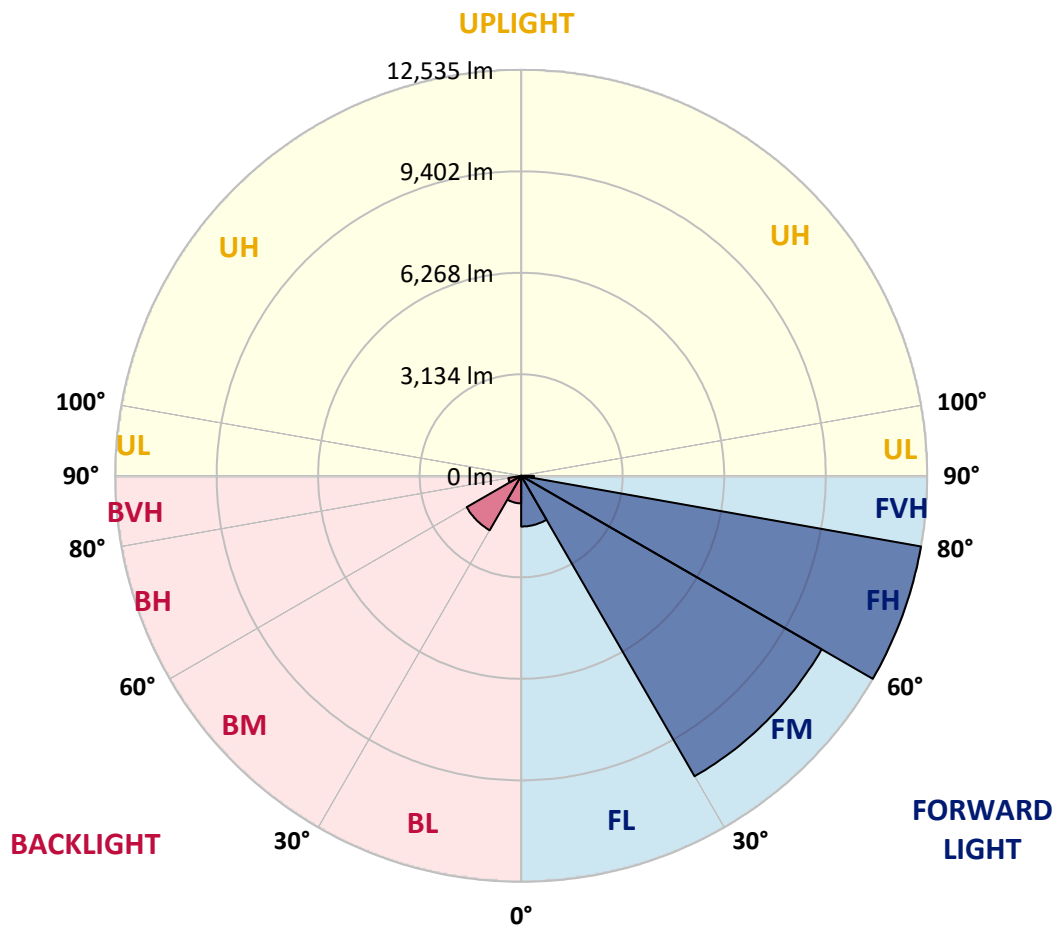
CATALOG NUMBER: GALN-SB6C-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1565.8	5.5			
FM	(30°-60°)	10711.5	37.7			
FH	(60°-80°)	12535.5	44.1			G5
FVH	(80°-90°)	395.3	1.4			G3/500
BL	(0°-30°)	849.5	3.0	B2/1000		
BM	(30°-60°)	1940.8	6.8	B2/2500		
BH	(60°-80°)	401.2	1.4	B1/500		G1/500
BVH	(80°-90°)	5.5	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: P942458

CATALOG NUMBER: GALN-SB6C-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8
2.5°	3933.7	3967.0	3973.2	3983.6	3983.6	3996.1	4016.9	4046.1	4093.9	4118.9	4135.6
5°	3625.6	3650.6	3681.8	3706.8	3754.7	3760.9	3842.1	3921.2	4031.5	4114.8	4173.0
7.5°	3315.5	3344.7	3386.3	3446.7	3509.1	3527.8	3650.6	3783.8	3958.7	4114.8	4212.6
10°	3097.0	3099.1	3136.5	3196.9	3296.8	3319.7	3469.5	3658.9	3877.5	4089.8	4250.0
12.5°	2974.2	2988.8	3005.4	3051.2	3146.9	3161.5	3321.8	3544.5	3796.3	4075.2	4293.7
15°	2974.2	2984.6	2995.0	3017.9	3094.9	3107.4	3248.9	3471.6	3754.7	4081.5	4364.5
17.5°	3005.4	3022.1	3013.7	3040.8	3122.0	3130.3	3255.2	3450.8	3752.6	4121.0	4472.7
20°	3080.3	3092.8	3076.2	3092.8	3174.0	3190.7	3319.7	3490.4	3788.0	4189.7	4608.0
22.5°	3199.0	3205.2	3165.7	3178.2	3261.4	3282.2	3432.1	3602.8	3873.3	4300.0	4789.1
25°	3348.8	3361.3	3301.0	3315.5	3394.6	3419.6	3592.3	3771.3	4008.6	4451.9	5020.1
27.5°	3521.6	3527.8	3475.8	3473.7	3575.7	3611.1	3785.9	3979.5	4189.7	4643.4	5311.5
30°	3719.3	3738.0	3688.1	3679.8	3808.8	3837.9	4010.7	4235.5	4456.1	4930.6	5725.7
32.5°	3875.4	3890.0	3860.8	3881.6	4012.8	4035.7	4283.3	4597.6	4874.4	5338.6	6289.7
35°	4100.2	4108.5	4041.9	4079.4	4229.2	4287.5	4655.9	5105.5	5401.0	5850.6	7026.5
37.5°	4914.0	4914.0	4630.9	4445.7	4589.3	4641.3	5165.8	5744.4	6050.4	6537.4	7954.8
40°	6040.0	6021.2	5607.1	5228.3	5209.5	5311.5	5892.2	6549.9	6889.1	7361.6	8999.6
42.5°	7240.9	7211.7	6647.7	6273.1	6210.6	6246.0	6731.0	7542.7	7888.2	8366.9	10123.5
45°	8306.5	8298.2	7782.0	7278.4	7166.0	7278.4	7777.9	8704.1	8951.7	9455.4	11245.3
47.5°	9199.4	9199.4	8822.7	8493.8	8435.6	8502.2	9195.2	9992.4	9969.5	10614.7	12338.0
50°	10227.6	10219.2	9861.3	9719.7	9780.1	9873.7	10827.0	11349.4	11022.6	11753.2	13314.2
52.5°	10947.7	10997.7	10874.9	10852.0	11160.0	11322.3	12483.7	12677.3	11965.5	12833.4	14044.7
55°	11518.0	11576.3	11717.8	11878.1	12471.2	12683.5	14088.4	13936.5	12754.3	13770.0	14465.1
57.5°	12325.5	12242.3	12460.8	12777.2	13736.7	13992.7	15643.1	15124.9	13389.1	14529.6	14510.9
60°	13305.8	13318.3	13355.8	13755.4	15000.0	15328.9	17175.0	16248.8	13797.0	14995.9	14003.1
62.5°	14483.9	14502.6	14579.6	15193.6	16696.3	17006.4	18806.7	17168.7	13984.3	14864.7	12691.8
65°	14402.7	14481.8	15341.4	17441.4	19275.0	19581.0	20711.1	17814.0	13701.3	13665.9	10333.7
67.5°	13120.6	13249.6	14687.8	20126.3	23162.9	23504.3	23013.1	17940.9	12479.6	10627.2	6741.4
70°	11438.9	11484.7	13214.3	22540.6	27664.8	28010.3	25073.6	16544.4	9470.0	5927.6	3020.0
72.5°	8933.0	8943.4	10972.7	23100.5	30108.3	30127.0	23456.4	12281.8	5093.0	2277.0	1049.0
75°	6381.3	6318.9	7349.1	18733.9	26488.9	26701.2	17585.0	5761.1	1946.0	1076.0	522.4
77.5°	3421.7	3490.4	4158.5	11110.0	18298.9	18661.1	9594.9	1660.9	990.7	732.6	345.5
80°	1057.3	1115.6	1704.6	5086.7	10364.9	10583.5	3557.0	738.9	691.0	522.4	226.9
82.5°	333.0	345.5	795.1	2137.5	4302.1	4402.0	1030.2	418.3	472.5	345.5	133.2
85°	95.7	97.8	353.8	797.1	1063.6	1084.4	289.3	162.3	270.6	214.4	68.7
87.5°	10.4	33.3	133.2	133.2	93.7	91.6	31.2	35.4	77.0	27.1	12.5
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: P942458

CATALOG NUMBER: GALN-SB6C-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8	4116.8
2.5°	4125.2	4127.2	4100.2	4054.4	4004.4	3962.8	3910.8	3869.2	3840.0	3831.7	3846.3
5°	4154.3	4139.7	4062.7	3923.3	3756.8	3613.2	3452.9	3325.9	3242.7	3207.3	3219.8
7.5°	4198.0	4156.4	3987.8	3713.1	3394.6	3111.6	2824.3	2601.6	2460.1	2389.3	2399.8
10°	4235.5	4152.2	3862.9	3409.2	2922.2	2493.4	2106.3	1837.8	1687.9	1617.2	1619.3
12.5°	4270.9	4150.1	3700.6	3049.1	2389.3	1864.9	1504.8	1371.6	1330.0	1315.4	1311.2
15°	4337.5	4156.4	3496.6	2637.0	1858.6	1409.0	1277.9	1275.8	1284.2	1280.0	1277.9
17.5°	4429.0	4162.6	3265.6	2199.9	1434.0	1242.5	1236.3	1255.0	1267.5	1261.3	1259.2
20°	4547.7	4187.6	3020.0	1767.0	1232.1	1200.9	1215.5	1232.1	1242.5	1232.1	1230.1
22.5°	4714.2	4231.3	2751.5	1419.5	1167.6	1175.9	1188.4	1207.2	1217.6	1203.0	1200.9
25°	4918.1	4300.0	2487.2	1234.2	1136.4	1146.8	1165.5	1186.3	1198.8	1184.3	1182.2
27.5°	5182.5	4410.3	2243.7	1192.6	1105.2	1111.4	1138.5	1169.7	1186.3	1167.6	1167.6
30°	5565.4	4591.4	2033.4	1211.3	1086.4	1071.9	1109.3	1153.0	1171.8	1155.1	1153.0
32.5°	6073.3	4847.4	1904.4	1240.5	1078.1	1026.1	1061.5	1117.7	1148.9	1138.5	1138.5
35°	6739.3	5236.6	1854.4	1273.8	1071.9	978.2	1003.2	1063.6	1117.7	1128.1	1128.1
37.5°	7546.8	5777.7	1869.0	1288.3	1053.1	938.7	951.2	1003.2	1074.0	1107.3	1115.6
40°	8464.7	6408.4	1952.3	1273.8	1032.3	905.4	907.5	947.0	1009.4	1059.4	1076.0
42.5°	9411.7	7145.1	2106.3	1219.6	1013.6	876.2	870.0	897.0	938.7	974.1	988.6
45°	10312.9	7902.7	2258.2	1144.7	990.7	847.1	832.5	842.9	851.3	865.8	874.2
47.5°	11099.6	8435.6	2214.5	1076.0	959.5	813.8	788.8	784.7	759.7	757.6	755.5
50°	11642.9	8552.1	1966.8	1007.4	913.7	776.3	736.8	711.8	668.1	647.3	649.4
52.5°	11815.6	8092.1	1606.8	938.7	838.8	726.4	670.2	630.6	576.5	557.8	555.7
55°	11586.7	7190.9	1284.2	855.4	734.7	659.8	597.3	545.3	501.6	478.7	478.7
57.5°	11026.8	6044.1	1015.7	757.6	624.4	584.8	522.4	470.4	432.9	410.0	405.9
60°	10098.5	4799.5	803.4	641.0	532.8	503.7	439.2	405.9	372.6	345.5	339.3
62.5°	8689.5	3425.8	630.6	507.8	445.4	412.1	374.6	349.7	310.1	272.7	266.4
65°	6780.9	2095.9	487.0	372.6	358.0	341.3	318.4	295.5	247.7	210.2	204.0
67.5°	4277.1	992.8	347.6	281.0	283.1	274.7	264.3	245.6	210.2	176.9	172.7
70°	1883.6	480.8	228.9	214.4	210.2	210.2	218.5	212.3	179.0	147.8	141.5
72.5°	641.0	258.1	170.7	162.3	151.9	149.9	183.2	176.9	143.6	114.5	108.2
75°	335.1	172.7	124.9	116.6	91.6	110.3	145.7	137.4	102.0	74.9	68.7
77.5°	218.5	122.8	85.3	74.9	52.0	72.8	108.2	95.7	60.4	37.5	33.3
80°	137.4	81.2	50.0	35.4	25.0	39.5	58.3	41.6	22.9	8.3	6.2
82.5°	72.8	41.6	18.7	12.5	10.4	12.5	14.6	10.4	4.2	0.0	0.0
85°	29.1	14.6	6.2	4.2	2.1	0.0	4.2	2.1	0.0	0.0	0.0
87.5°	10.4	2.1	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)