

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: P941608

Luminaire Tested: **GALN-SB5B-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941608
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-SB5B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA 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: 17791 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 182.7
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

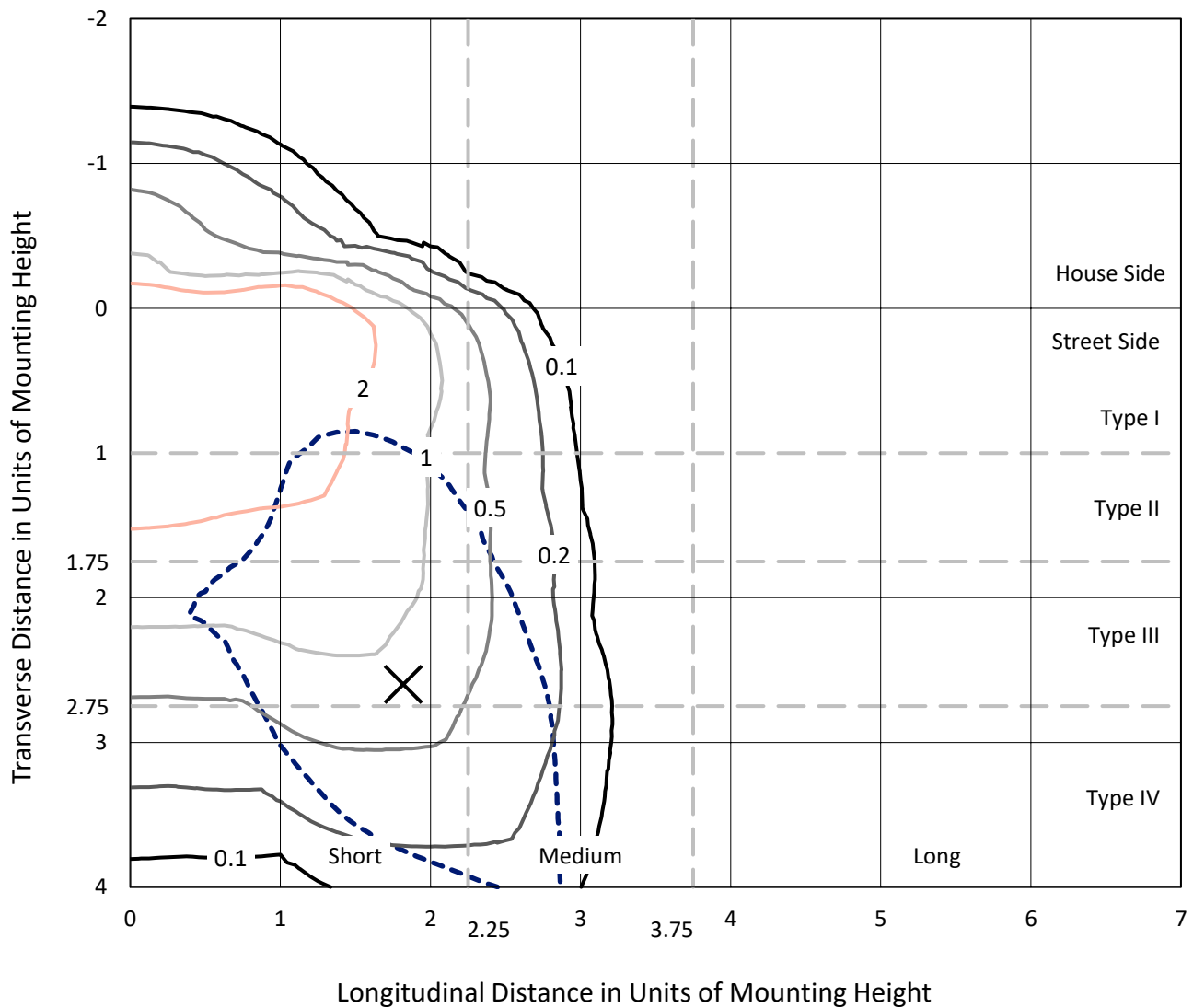


REPORT NUMBER: P941608

CATALOG NUMBER: GALN-SB5B-722-U-T4FT-HSS

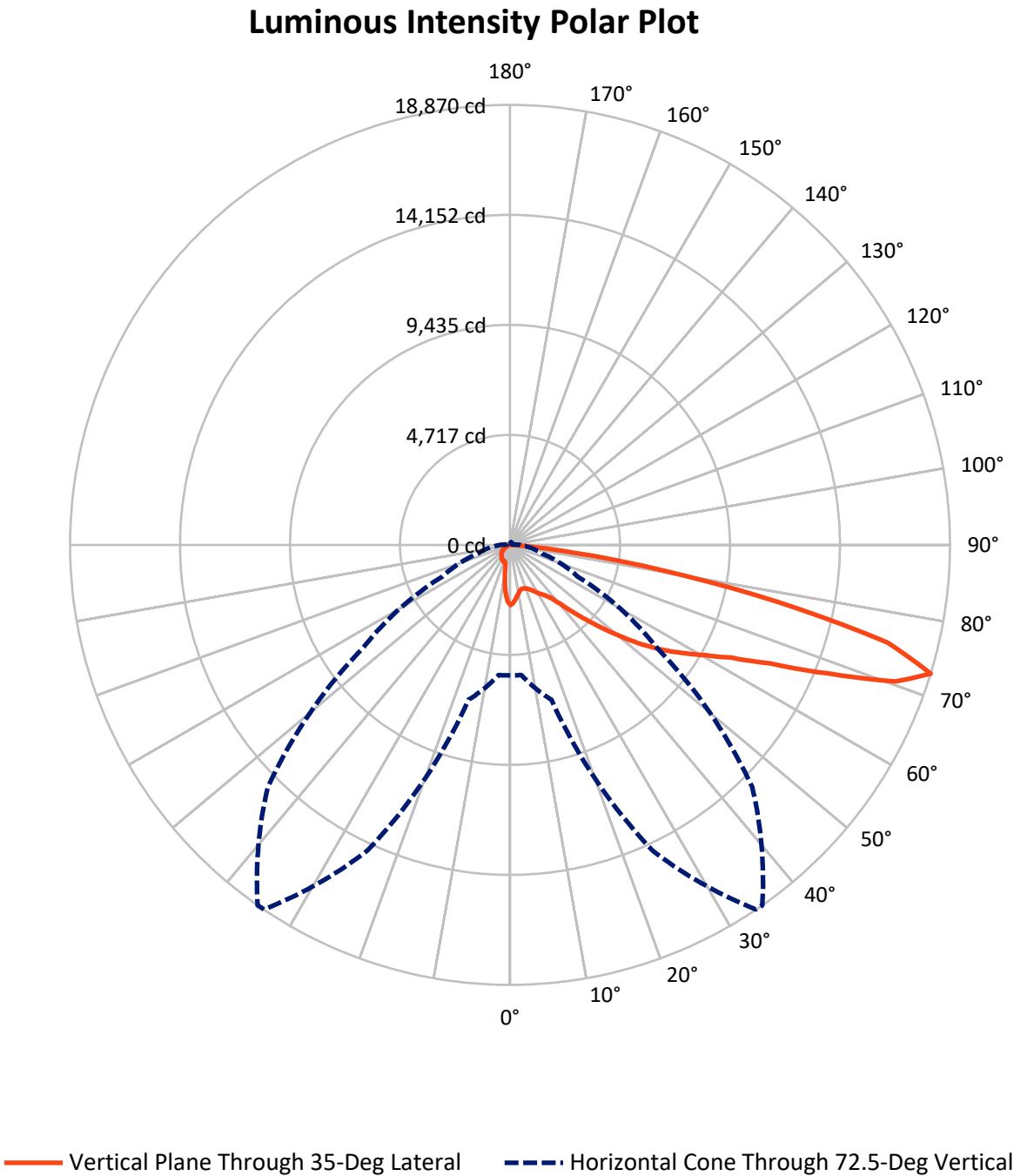
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type IV - Short - N/A

REPORT NUMBER: P941608
CATALOG NUMBER: GALN-SB5B-722-U-T4FT-HSS



REPORT NUMBER: P941608

CATALOG NUMBER: GALN-SB5B-722-U-T4FT-HSS

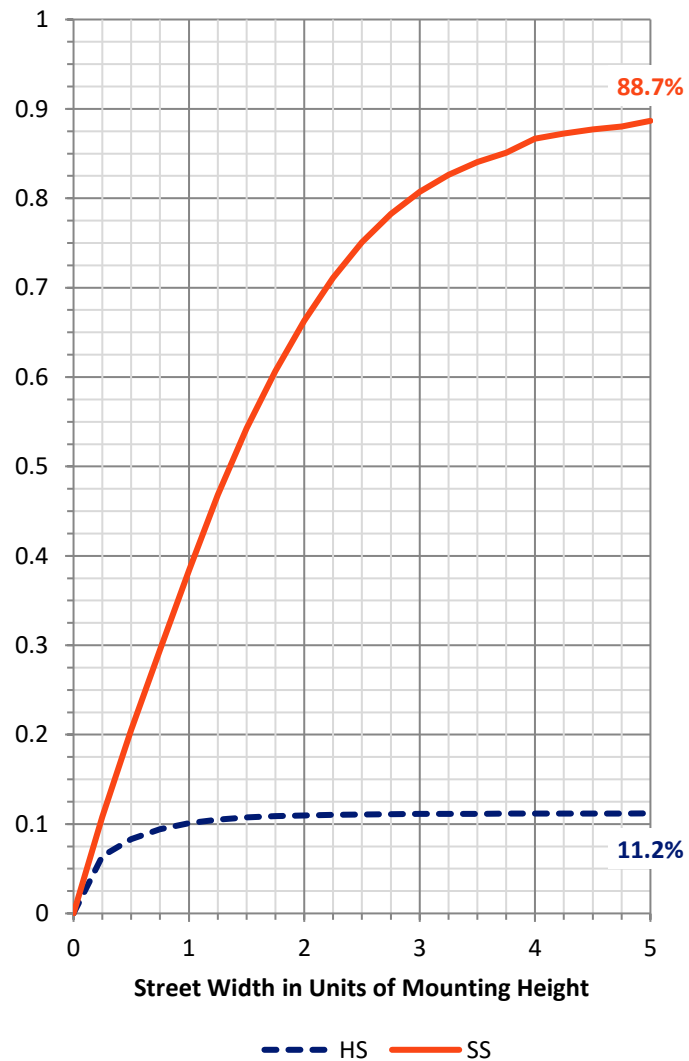
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2002.3	0.0	2002.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	15788.7	0.0	15788.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	17791.0	0.0	17791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.9	1.2
10°-20°	495.7	2.8
20°-30°	805.2	4.5
30°-40°	1343.5	7.6
40°-50°	2541.9	14.3
50°-60°	4039.1	22.7
60°-70°	4996.7	28.1
70°-80°	3106.0	17.5
80°-90°	251.0	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°	17791.0	100.0
0°-180°	17791.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941608

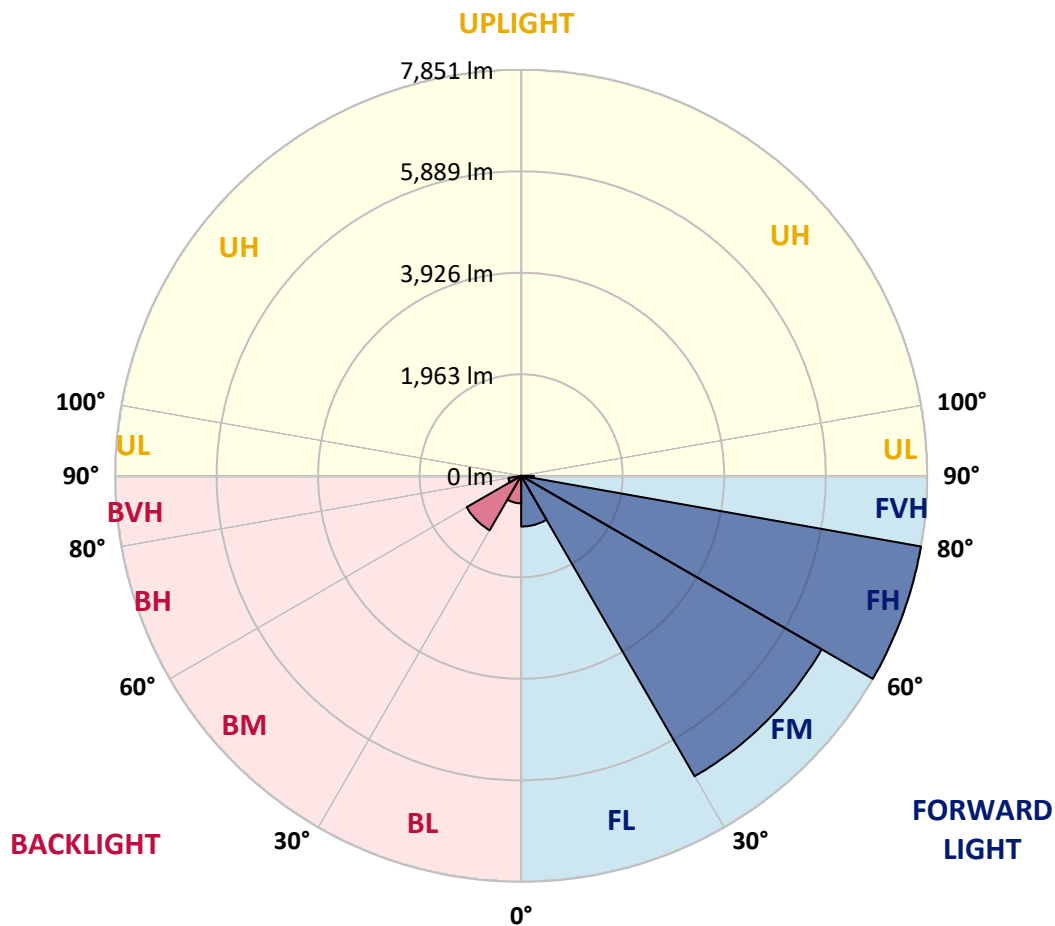
CATALOG NUMBER: GALN-SB5B-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	980.7	5.5			
FM	(30°-60°)	6709.0	37.7			
FH	(60°-80°)	7851.4	44.1			G4/12000
FVH	(80°-90°)	247.6	1.4			G3/500
BL	(0°-30°)	532.0	3.0	B2/1000		
BM	(30°-60°)	1215.6	6.8	B2/2500		
BH	(60°-80°)	251.3	1.4	B1/500		G1/500
BVH	(80°-90°)	3.4	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 IV Short



REPORT NUMBER: P941608

CATALOG NUMBER: GALN-SB5B-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5
2.5°	2463.8	2484.7	2488.6	2495.1	2495.1	2502.9	2515.9	2534.2	2564.2	2579.8	2590.2
5°	2270.9	2286.5	2306.1	2321.7	2351.7	2355.6	2406.4	2456.0	2525.1	2577.2	2613.7
7.5°	2076.6	2094.9	2121.0	2158.8	2197.9	2209.6	2286.5	2369.9	2479.4	2577.2	2638.5
10°	1939.8	1941.1	1964.5	2002.3	2064.9	2079.2	2173.1	2291.7	2428.6	2561.6	2661.9
12.5°	1862.8	1872.0	1882.4	1911.1	1971.0	1980.2	2080.5	2220.0	2377.8	2552.4	2689.3
15°	1862.8	1869.4	1875.9	1890.2	1938.4	1946.3	2034.9	2174.4	2351.7	2556.4	2733.6
17.5°	1882.4	1892.8	1887.6	1904.6	1955.4	1960.6	2038.8	2161.4	2350.4	2581.1	2801.4
20°	1929.3	1937.1	1926.7	1937.1	1988.0	1998.4	2079.2	2186.1	2372.5	2624.1	2886.2
22.5°	2003.6	2007.5	1982.8	1990.6	2042.7	2055.8	2149.6	2256.5	2426.0	2693.2	2999.6
25°	2097.5	2105.3	2067.5	2076.6	2126.2	2141.8	2250.0	2362.1	2510.7	2788.4	3144.3
27.5°	2205.7	2209.6	2177.0	2175.7	2239.6	2261.7	2371.2	2492.5	2624.1	2908.3	3326.8
30°	2329.5	2341.3	2310.0	2304.8	2385.6	2403.8	2512.0	2652.8	2791.0	3088.2	3586.2
32.5°	2427.3	2436.4	2418.2	2431.2	2513.3	2527.7	2682.8	2879.6	3053.0	3343.7	3939.5
35°	2568.1	2573.3	2531.6	2555.0	2648.9	2685.4	2916.1	3197.7	3382.8	3664.4	4400.9
37.5°	3077.8	3077.8	2900.5	2784.5	2874.4	2907.0	3235.5	3597.9	3789.6	4094.6	4982.3
40°	3783.0	3771.3	3511.9	3274.6	3262.9	3326.8	3690.5	4102.4	4314.9	4610.8	5636.7
42.5°	4535.2	4517.0	4163.7	3929.0	3889.9	3912.1	4215.8	4724.2	4940.6	5240.5	6340.7
45°	5202.7	5197.4	4874.1	4558.7	4488.3	4558.7	4871.5	5451.6	5606.8	5922.2	7043.3
47.5°	5761.9	5761.9	5525.9	5320.0	5283.5	5325.2	5759.3	6258.6	6244.2	6648.3	7727.7
50°	6405.9	6400.7	6176.4	6087.8	6125.6	6184.3	6781.3	7108.5	6903.8	7361.4	8339.1
52.5°	6856.9	6888.2	6811.3	6796.9	6989.9	7091.6	7819.0	7940.2	7494.4	8038.0	8796.7
55°	7214.1	7250.6	7339.2	7439.6	7811.1	7944.1	8824.0	8728.9	7988.4	8624.6	9060.0
57.5°	7719.9	7667.8	7804.6	8002.8	8603.7	8764.1	9797.8	9473.2	8386.0	9100.4	9088.7
60°	8333.9	8341.7	8365.2	8615.5	9395.0	9601.0	10757.3	10177.2	8641.5	9392.4	8770.6
62.5°	9071.7	9083.5	9131.7	9516.2	10457.4	10651.7	11779.3	10753.4	8758.9	9310.3	7949.3
65°	9020.9	9070.4	9608.8	10924.1	12072.6	12264.2	12972.1	11157.5	8581.6	8559.4	6472.4
67.5°	8217.9	8298.7	9199.5	12605.8	14507.7	14721.5	14413.9	11237.0	7816.4	6656.2	4222.3
70°	7164.6	7193.2	8276.5	14117.9	17327.4	17543.8	15704.4	10362.3	5931.4	3712.6	1891.5
72.5°	5595.0	5601.6	6872.6	14468.6	18857.8	18869.5	14691.5	7692.5	3189.9	1426.1	657.0
75°	3996.8	3957.7	4603.0	11733.7	16590.9	16723.8	11014.1	3608.4	1218.9	674.0	327.2
77.5°	2143.1	2186.1	2604.6	6958.6	11461.2	11688.0	6009.6	1040.3	620.5	458.9	216.4
80°	662.2	698.7	1067.6	3186.0	6491.9	6628.8	2227.8	462.8	432.8	327.2	142.1
82.5°	208.6	216.4	498.0	1338.8	2694.5	2757.1	645.3	262.0	295.9	216.4	83.4
85°	60.0	61.3	221.6	499.3	666.1	679.2	181.2	101.7	169.5	134.3	43.0
87.5°	6.5	20.9	83.4	83.4	58.7	57.4	19.6	22.2	48.2	16.9	7.8
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: P941608

CATALOG NUMBER: GALN-SB5B-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5	2578.5
2.5°	2583.7	2585.0	2568.1	2539.4	2508.1	2482.0	2449.5	2423.4	2405.1	2399.9	2409.0
5°	2602.0	2592.9	2544.6	2457.3	2353.0	2263.0	2162.7	2083.1	2031.0	2008.8	2016.7
7.5°	2629.4	2603.3	2497.7	2325.6	2126.2	1948.9	1769.0	1629.5	1540.9	1496.5	1503.0
10°	2652.8	2600.7	2419.5	2135.3	1830.2	1561.7	1319.2	1151.1	1057.2	1012.9	1014.2
12.5°	2675.0	2599.4	2317.8	1909.8	1496.5	1168.0	942.5	859.1	833.0	823.9	821.3
15°	2716.7	2603.3	2190.0	1651.7	1164.1	882.5	800.4	799.1	804.3	801.7	800.4
17.5°	2774.1	2607.2	2045.3	1377.9	898.2	778.2	774.3	786.1	793.9	790.0	788.7
20°	2848.4	2622.8	1891.5	1106.8	771.7	752.2	761.3	771.7	778.2	771.7	770.4
22.5°	2952.6	2650.2	1723.4	889.1	731.3	736.5	744.4	756.1	762.6	753.5	752.2
25°	3080.4	2693.2	1557.8	773.0	711.8	718.3	730.0	743.0	750.9	741.7	740.4
27.5°	3246.0	2762.3	1405.3	747.0	692.2	696.1	713.1	732.6	743.0	731.3	731.3
30°	3485.8	2875.7	1273.6	758.7	680.5	671.4	694.8	722.2	733.9	723.5	722.2
32.5°	3803.9	3036.1	1192.8	776.9	675.3	642.7	664.8	700.0	719.6	713.1	713.1
35°	4221.0	3279.8	1161.5	797.8	671.4	612.7	628.3	666.1	700.0	706.5	706.5
37.5°	4726.8	3618.8	1170.6	806.9	659.6	587.9	595.7	628.3	672.7	693.5	698.7
40°	5301.7	4013.8	1222.8	797.8	646.6	567.1	568.4	593.1	632.2	663.5	674.0
42.5°	5894.9	4475.2	1319.2	763.9	634.9	548.8	544.9	561.8	587.9	610.1	619.2
45°	6459.3	4949.8	1414.4	717.0	620.5	530.6	521.4	528.0	533.2	542.3	547.5
47.5°	6952.1	5283.5	1387.0	674.0	601.0	509.7	494.1	491.5	475.8	474.5	473.2
50°	7292.3	5356.5	1231.9	630.9	572.3	486.2	461.5	445.8	418.5	405.4	406.7
52.5°	7400.5	5068.4	1006.4	587.9	525.3	455.0	419.8	395.0	361.1	349.4	348.1
55°	7257.1	4503.9	804.3	535.8	460.2	413.2	374.1	341.5	314.2	299.8	299.8
57.5°	6906.5	3785.6	636.2	474.5	391.1	366.3	327.2	294.6	271.1	256.8	254.2
60°	6325.0	3006.1	503.2	401.5	333.7	315.5	275.1	254.2	233.3	216.4	212.5
62.5°	5442.5	2145.7	395.0	318.1	279.0	258.1	234.6	219.0	194.2	170.8	166.9
65°	4247.1	1312.7	305.0	233.3	224.2	213.8	199.5	185.1	155.1	131.7	127.8
67.5°	2678.9	621.8	217.7	176.0	177.3	172.1	165.6	153.8	131.7	110.8	108.2
70°	1179.8	301.1	143.4	134.3	131.7	131.7	136.9	133.0	112.1	92.6	88.6
72.5°	401.5	161.6	106.9	101.7	95.2	93.9	114.7	110.8	89.9	71.7	67.8
75°	209.9	108.2	78.2	73.0	57.4	69.1	91.3	86.0	63.9	46.9	43.0
77.5°	136.9	76.9	53.4	46.9	32.6	45.6	67.8	60.0	37.8	23.5	20.9
80°	86.0	50.8	31.3	22.2	15.6	24.8	36.5	26.1	14.3	5.2	3.9
82.5°	45.6	26.1	11.7	7.8	6.5	7.8	9.1	6.5	2.6	0.0	0.0
85°	18.3	9.1	3.9	2.6	1.3	0.0	2.6	1.3	0.0	0.0	0.0
87.5°	6.5	1.3	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)