

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: P950558

Luminaire Tested: **GALN-SB5A-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5A-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

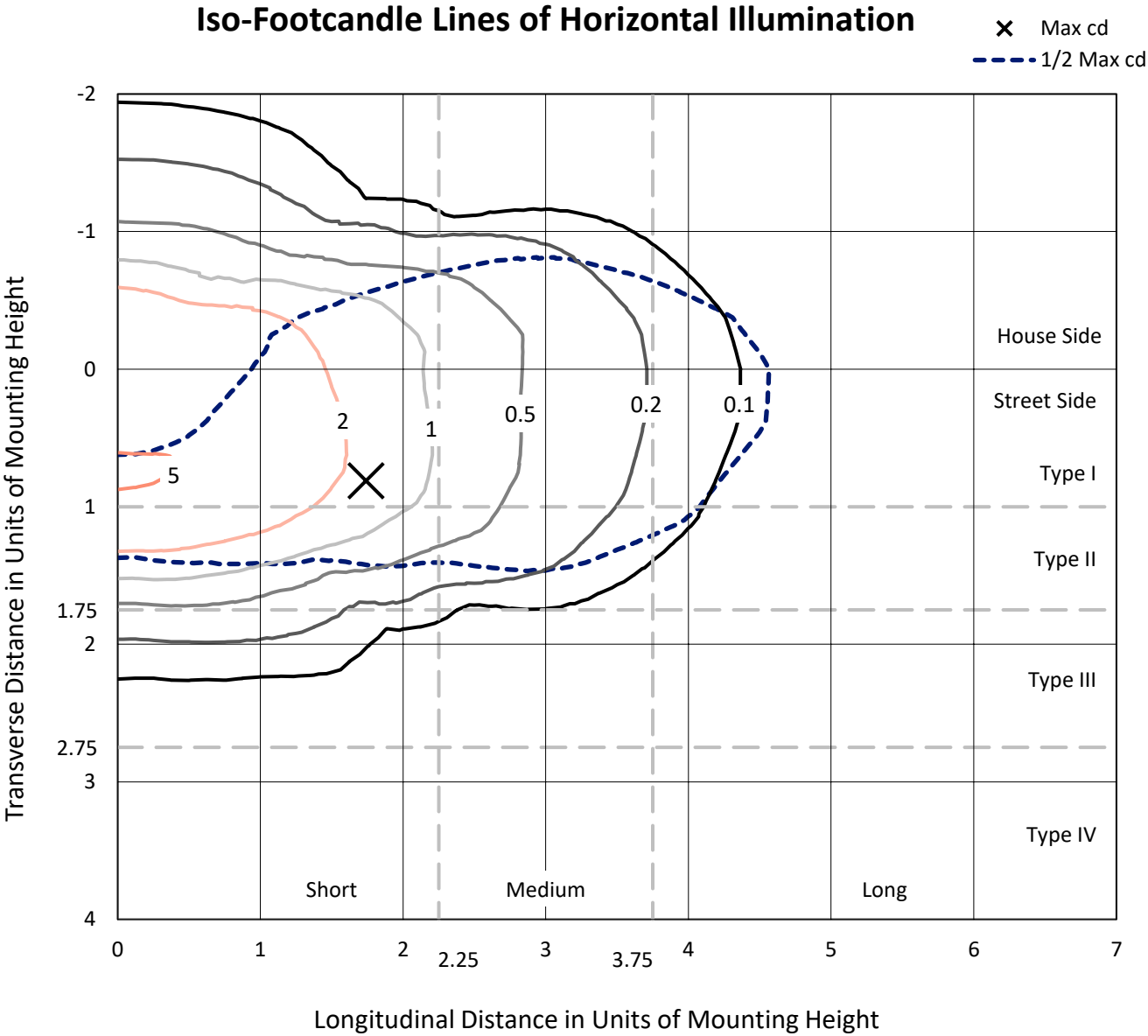
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18970 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 141.7
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



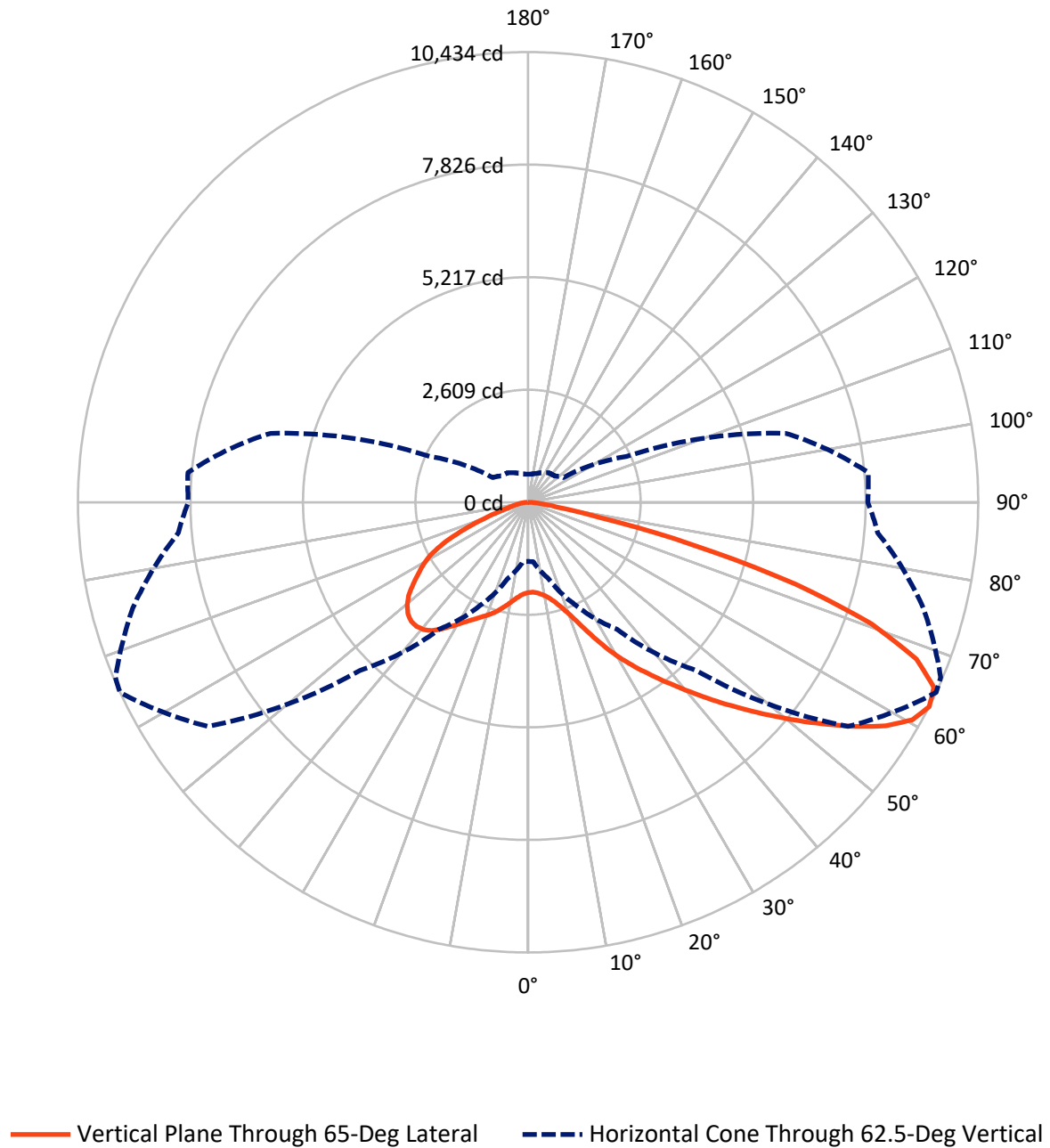
REPORT NUMBER: P950558
CATALOG NUMBER: GALN-SB5A-722-U-T2U



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type II - Short - N/A

REPORT NUMBER: P950558
CATALOG NUMBER: GALN-SB5A-722-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P950558

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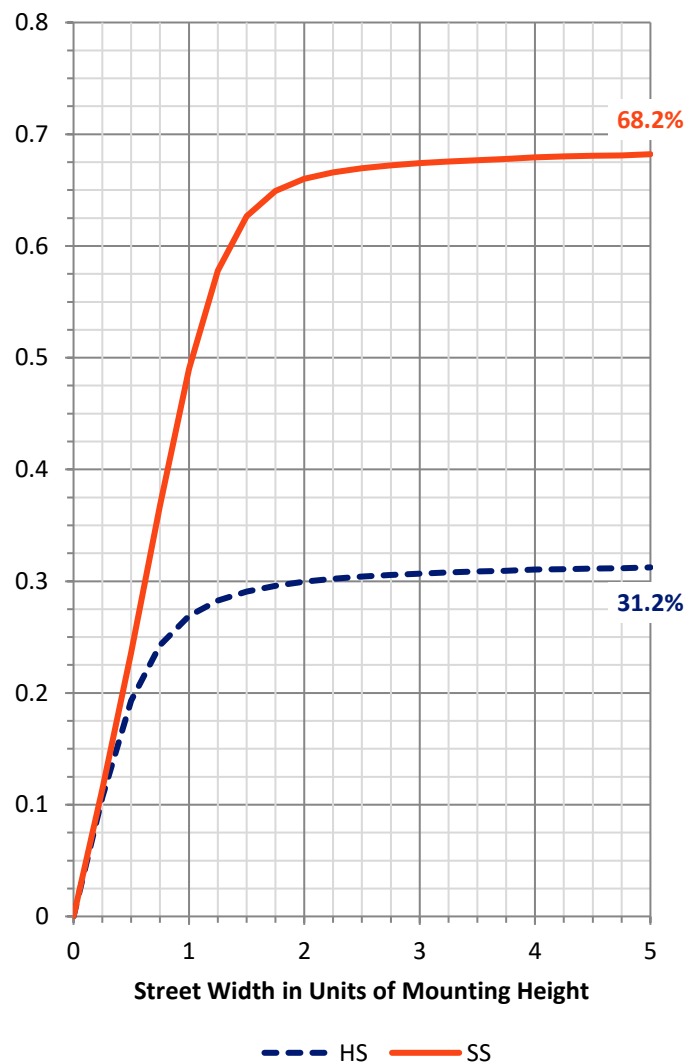
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5986.1	0.0	5986.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	12983.9	0.0	12983.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	18970.0	0.0	18970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	1.1
10°-20°	706.7	3.7
20°-30°	1433.0	7.6
30°-40°	2479.8	13.1
40°-50°	3752.7	19.8
50°-60°	4399.8	23.2
60°-70°	3688.7	19.4
70°-80°	2036.4	10.7
80°-90°	264.5	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°	18970.0	100.0
0°-180°	18970.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950558

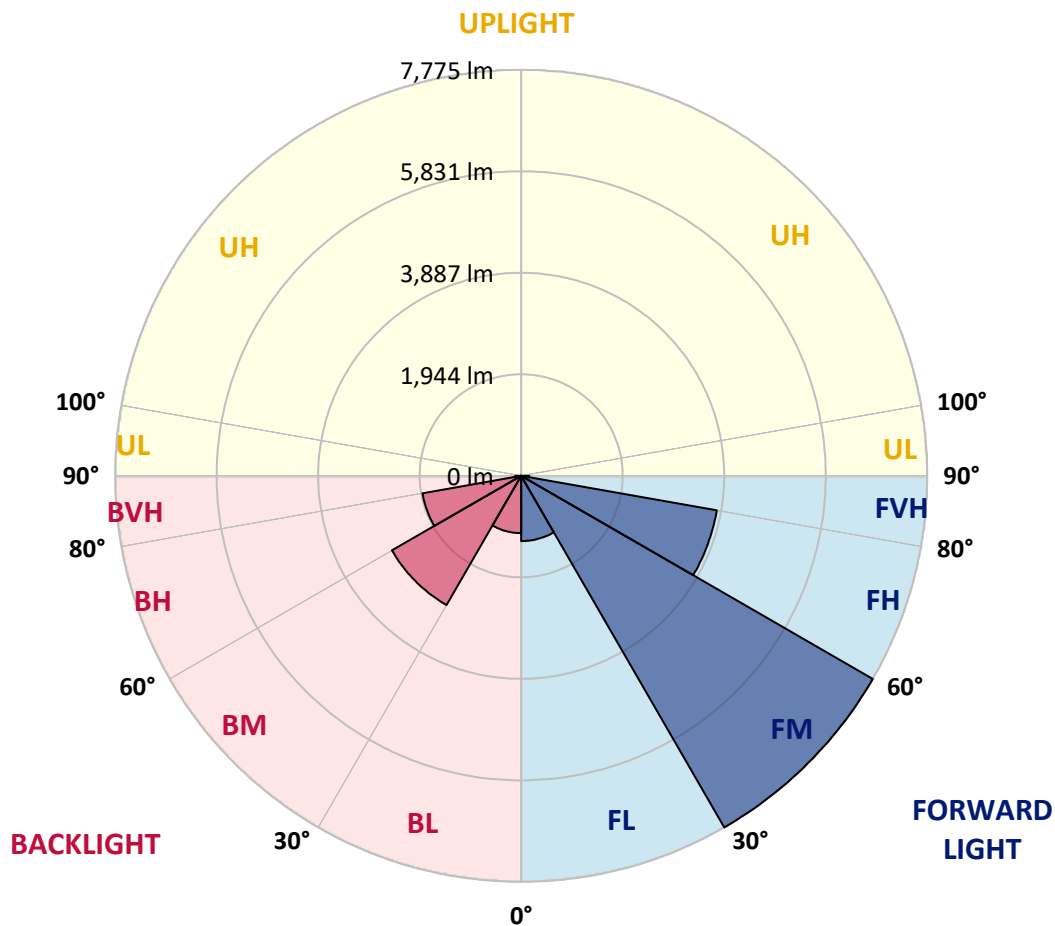
CATALOG NUMBER: GALN-SB5A-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1250.4	6.6			
FM	(30°-60°)	7774.5	41.0			
FH	(60°-80°)	3804.8	20.1			G2/5000
FVH	(80°-90°)	154.2	0.8			G2/225
BL	(0°-30°)	1097.8	5.8	B3/2500		
BM	(30°-60°)	2857.7	15.1	B3/5000		
BH	(60°-80°)	1920.3	10.1	B3/2500		G3/2500
BVH	(80°-90°)	110.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



REPORT NUMBER: P950558

CATALOG NUMBER: GALN-SB5A-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4
2.5°	2076.6	2070.7	2075.6	2075.6	2077.6	2076.6	2083.5	2085.5	2088.4	2094.3	2094.3
5°	2056.0	2055.0	2063.8	2071.7	2079.6	2086.5	2095.3	2108.1	2110.1	2117.0	2125.8
7.5°	2049.1	2043.2	2056.9	2066.8	2085.5	2102.2	2125.8	2147.5	2156.4	2159.3	2176.0
10°	2102.2	2092.4	2105.2	2111.1	2126.8	2143.6	2171.1	2205.6	2215.4	2227.2	2245.9
12.5°	2192.8	2181.9	2200.6	2209.5	2224.3	2239.0	2257.7	2291.2	2296.1	2317.8	2335.5
15°	2316.8	2304.0	2315.8	2326.6	2351.2	2365.0	2383.7	2416.2	2416.2	2432.9	2445.7
17.5°	2485.1	2468.3	2477.2	2481.1	2496.9	2517.5	2549.0	2577.6	2592.3	2586.4	2568.7
20°	2736.0	2715.4	2715.4	2695.7	2689.8	2706.5	2747.8	2787.2	2803.0	2772.5	2729.1
22.5°	3113.0	3083.5	3066.7	2999.8	2973.2	2975.2	3016.5	3064.8	3077.6	3023.4	2926.0
25°	3592.3	3546.0	3523.4	3425.0	3364.9	3312.8	3345.2	3407.3	3425.0	3358.0	3200.6
27.5°	4071.6	4074.5	4052.9	3934.8	3835.4	3739.9	3723.2	3788.1	3806.8	3731.1	3536.2
30°	4743.8	4673.9	4632.6	4490.8	4349.1	4215.3	4146.4	4172.9	4177.9	4087.3	3861.0
32.5°	5323.5	5305.7	5217.2	5093.2	4911.1	4701.5	4586.3	4544.0	4536.1	4407.2	4138.5
35°	5983.9	5974.0	5880.5	5732.9	5536.0	5244.7	5037.1	4916.0	4906.2	4725.1	4413.1
37.5°	6655.1	6655.1	6563.5	6402.1	6198.4	5834.3	5518.3	5326.4	5294.9	5058.7	4692.6
40°	7190.5	7158.0	7174.7	7106.8	6873.6	6486.8	6052.7	5774.2	5731.9	5448.5	4989.8
42.5°	7494.6	7483.8	7584.1	7659.9	7564.5	7255.4	6641.3	6259.4	6200.4	5877.6	5332.3
45°	7562.5	7550.7	7729.8	8007.3	8141.2	8014.2	7281.0	6770.2	6698.4	6326.3	5699.4
47.5°	7406.0	7382.4	7645.2	8083.1	8512.2	8735.6	7973.9	7324.3	7220.0	6763.3	6076.4
50°	6935.6	6912.9	7310.5	7892.2	8637.2	9225.8	8725.8	7911.9	7752.4	7231.8	6457.2
52.5°	5913.0	5923.8	6546.8	7346.0	8472.9	9530.9	9373.4	8530.9	8339.0	7711.1	6814.5
55°	4606.0	4629.6	5395.3	6275.2	7815.4	9484.6	9815.3	9168.7	8977.7	8161.9	7183.6
57.5°	3298.0	3402.3	4119.8	4990.8	6552.7	8751.4	9911.7	9774.9	9589.9	8654.0	7544.8
60°	2137.7	2156.4	2894.5	3772.4	4989.8	7448.3	9715.9	10234.6	10089.9	9155.9	7846.9
62.5°	1370.0	1382.8	1832.6	2638.6	3591.3	5510.5	9056.5	10434.3	10390.1	9487.6	8137.3
65°	1006.8	997.0	1231.2	1744.0	2419.1	3398.4	7776.1	10337.9	10425.5	9695.2	8377.4
67.5°	840.5	826.7	941.9	1207.6	1782.4	1930.0	5753.6	9711.0	10031.8	9671.6	8553.6
70°	765.7	753.9	823.8	896.6	1390.7	1292.2	2900.4	8442.4	8936.4	9402.9	8525.0
72.5°	648.6	627.9	723.4	796.2	1081.6	991.1	1198.7	6484.8	7087.1	8541.8	8123.5
75°	502.9	489.1	570.8	700.7	812.9	773.6	757.8	3937.7	4595.2	6605.9	7106.8
77.5°	398.6	379.9	454.7	546.2	731.3	583.6	552.1	1695.8	2347.3	4217.2	5317.6
80°	300.2	283.4	345.4	432.1	562.0	439.9	357.3	691.9	884.8	2136.7	2674.0
82.5°	213.6	198.8	241.1	316.9	377.9	394.7	219.5	387.8	436.0	823.8	597.4
85°	136.8	127.9	161.4	198.8	240.1	253.9	133.8	202.7	222.4	339.5	249.0
87.5°	74.8	61.0	86.6	92.5	111.2	101.4	64.0	73.8	79.7	123.0	105.3
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: P950558

CATALOG NUMBER: GALN-SB5A-722-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4	2090.4
2.5°	2098.3	2101.2	2111.1	2114.0	2120.9	2129.8	2135.7	2141.6	2141.6	2147.5	2147.5
5°	2126.8	2133.7	2154.4	2165.2	2182.9	2200.6	2211.5	2224.3	2232.1	2236.1	2238.0
7.5°	2181.9	2192.8	2222.3	2241.0	2271.5	2296.1	2312.8	2330.6	2334.5	2345.3	2341.4
10°	2256.7	2269.5	2303.0	2338.4	2374.8	2405.4	2421.1	2433.9	2438.8	2440.8	2435.9
12.5°	2342.4	2361.1	2404.4	2447.7	2486.1	2512.6	2516.6	2513.6	2499.8	2488.0	2488.0
15°	2447.7	2464.4	2512.6	2559.9	2597.3	2602.2	2577.6	2561.8	2545.1	2542.2	2542.2
17.5°	2573.6	2582.5	2626.8	2673.1	2676.0	2659.3	2622.9	2608.1	2592.3	2581.5	2582.5
20°	2720.3	2717.3	2748.8	2768.5	2747.8	2696.7	2641.6	2617.0	2601.2	2588.4	2589.4
22.5°	2895.5	2872.8	2868.9	2864.0	2808.9	2701.6	2626.8	2595.3	2570.7	2553.0	2558.9
25°	3150.4	3063.8	3003.7	2970.3	2846.3	2675.0	2579.6	2509.7	2463.4	2432.9	2444.7
27.5°	3469.3	3323.6	3172.0	3090.3	2846.3	2620.9	2465.4	2352.2	2276.4	2244.9	2260.7
30°	3773.4	3620.8	3397.4	3235.0	2839.4	2532.3	2281.3	2123.9	2035.3	2003.8	2022.5
32.5°	4033.2	3866.9	3636.6	3393.5	2822.6	2388.6	2053.0	1878.8	1793.2	1755.8	1774.5
35°	4274.3	4097.2	3876.7	3567.7	2778.4	2178.0	1802.0	1669.2	1573.7	1513.7	1533.4
37.5°	4521.4	4310.7	4104.1	3725.1	2698.6	1932.0	1609.1	1496.0	1383.8	1303.1	1324.7
40°	4790.0	4538.1	4347.2	3818.6	2567.7	1697.7	1459.5	1356.2	1237.1	1151.5	1168.2
42.5°	5104.0	4810.7	4617.8	3866.9	2388.6	1531.4	1362.1	1260.7	1148.5	1078.7	1092.4
45°	5431.7	5110.9	4864.8	3865.9	2188.8	1453.6	1330.6	1230.2	1106.2	1033.4	1045.2
47.5°	5775.2	5424.8	5078.4	3802.9	2015.6	1464.5	1312.9	1164.3	1027.5	956.6	966.5
50°	6119.7	5768.3	5285.1	3684.8	1941.8	1440.8	1247.0	1071.8	910.4	846.4	850.3
52.5°	6461.2	6133.4	5463.2	3516.5	1867.0	1353.3	1162.3	951.7	862.1	817.9	817.9
55°	6804.7	6494.6	5657.1	3271.4	1680.0	1250.9	1020.6	906.4	823.8	783.4	779.5
57.5°	7149.1	6911.9	5841.1	3026.4	1444.8	1124.9	942.9	851.3	785.4	750.9	745.0
60°	7507.4	7389.3	6031.1	2801.0	1212.5	963.5	885.8	807.0	740.1	701.7	698.8
62.5°	7876.4	7914.8	6179.7	2510.7	998.9	865.1	834.6	753.9	688.9	652.5	651.5
65°	8248.5	8421.7	6277.1	2108.1	810.0	771.6	779.5	695.8	629.9	598.4	597.4
67.5°	8529.0	8786.8	6249.6	1595.4	664.3	683.0	710.6	634.8	572.8	548.2	549.2
70°	8560.5	8743.5	5977.9	1092.4	556.1	596.4	633.8	574.8	510.8	493.1	494.1
72.5°	8141.2	8153.0	5221.1	713.5	470.4	523.6	553.1	513.7	451.7	434.0	433.0
75°	7041.9	6742.7	3833.4	470.4	393.7	449.8	477.3	449.8	389.7	393.7	379.9
77.5°	5335.3	4775.3	2327.6	334.6	328.7	377.9	415.3	395.6	344.5	386.8	340.5
80°	2748.8	2583.5	1038.3	250.0	259.8	302.1	341.5	315.9	272.6	259.8	237.2
82.5°	629.9	732.2	409.4	179.1	188.0	217.5	260.8	237.2	195.9	165.3	163.4
85°	220.5	241.1	181.1	112.2	110.2	135.8	177.2	158.5	132.9	106.3	112.2
87.5°	69.9	91.5	67.9	45.3	47.2	61.0	81.7	74.8	62.0	40.4	42.3
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)