

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: P941097

Luminaire Tested: **GALN-SB4C-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24811 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 200.7
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

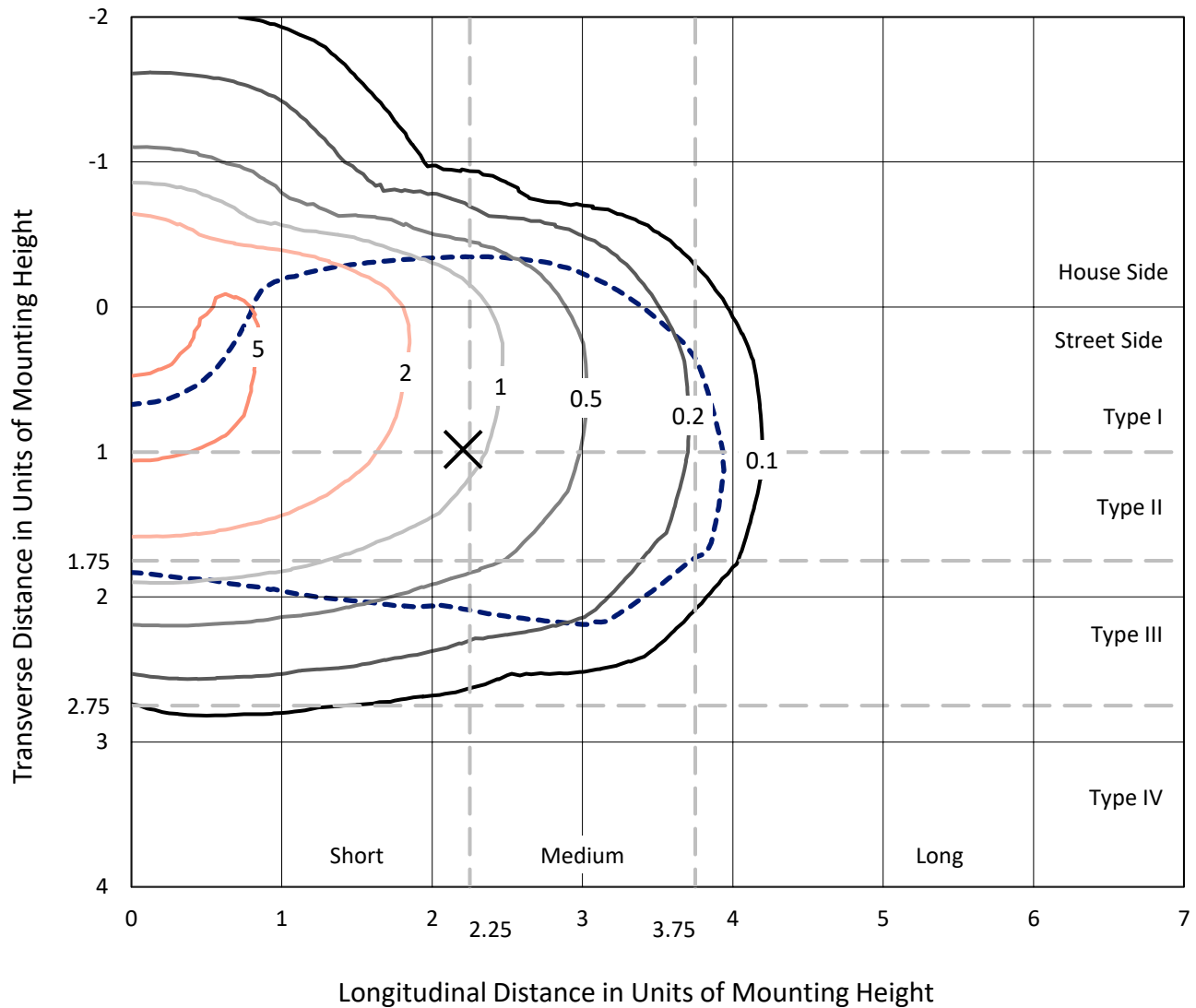


REPORT NUMBER: P941097

CATALOG NUMBER: GALN-SB4C-722-U-T3

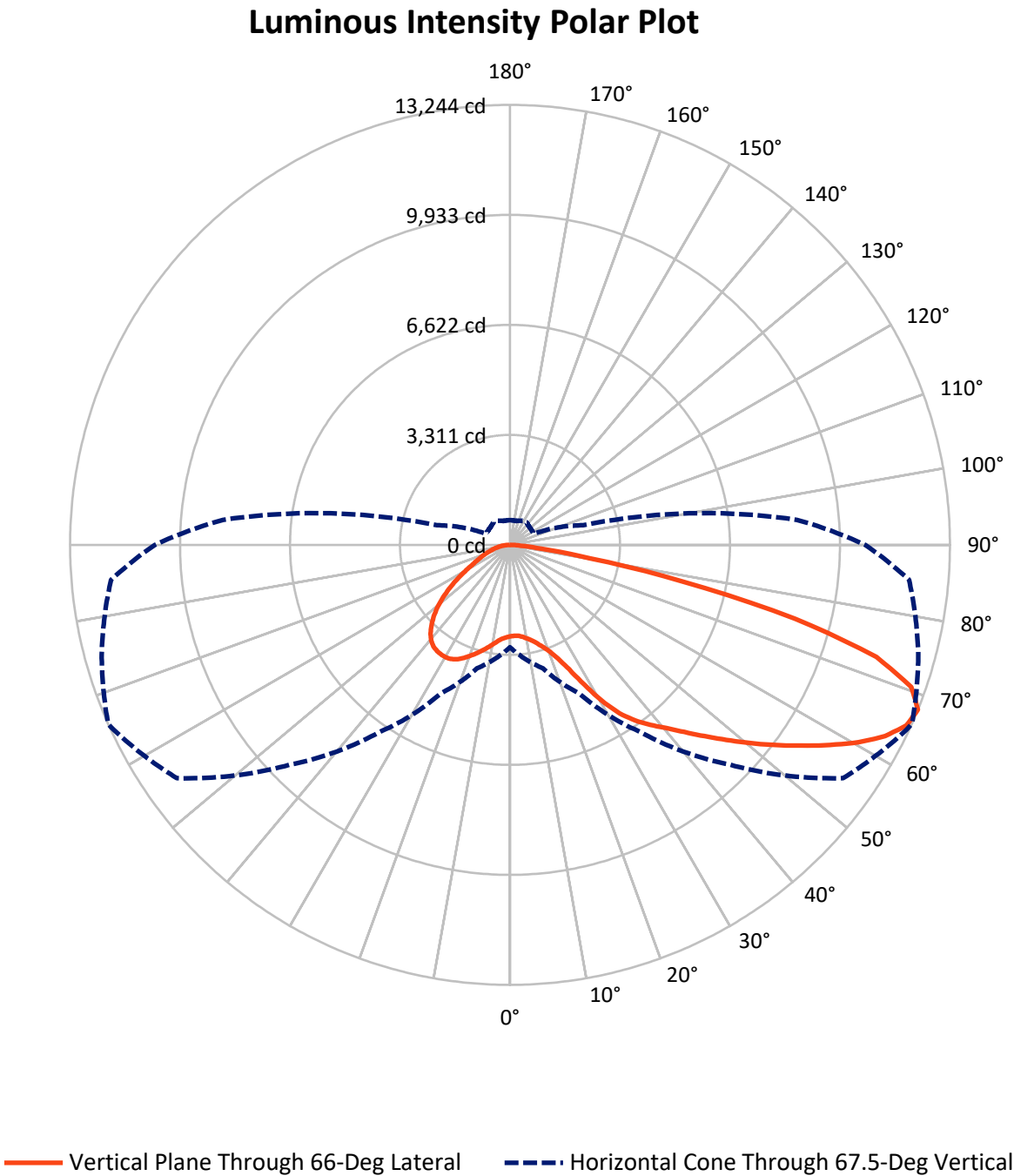
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type III - Short - N/A

REPORT NUMBER: P941097
CATALOG NUMBER: GALN-SB4C-722-U-T3



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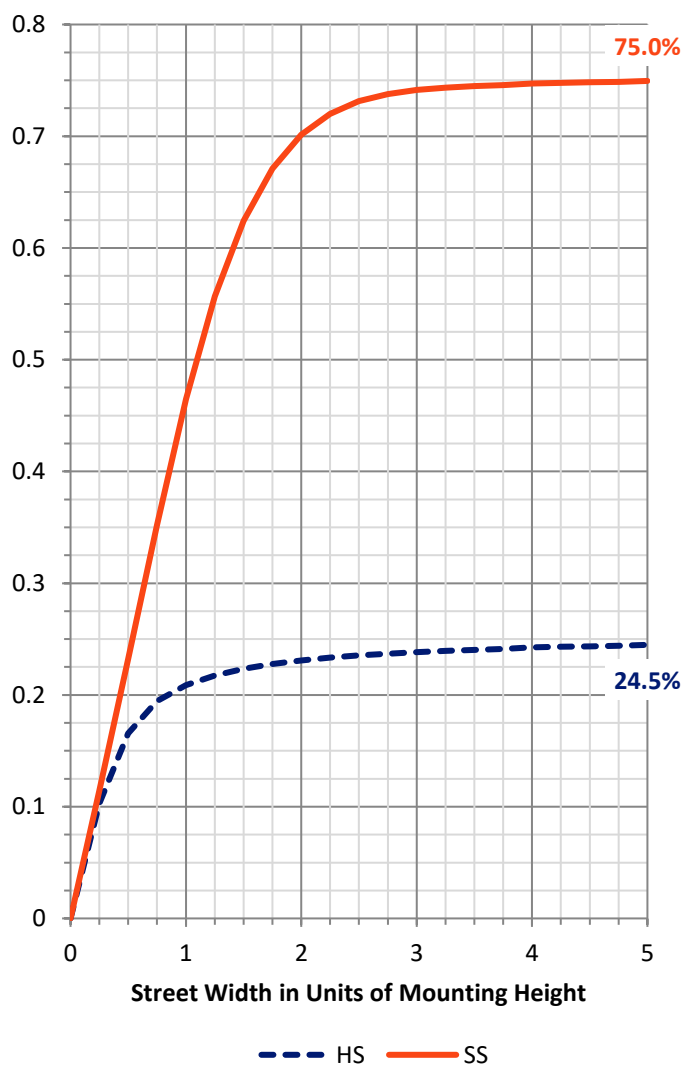
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6169.2	0.0	6169.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18641.8	0.0	18641.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	24811.0	0.0	24811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.8	1.1
10°-20°	901.4	3.6
20°-30°	1737.4	7.0
30°-40°	3046.4	12.3
40°-50°	4528.9	18.3
50°-60°	5740.9	23.1
60°-70°	5617.3	22.6
70°-80°	2679.5	10.8
80°-90°	286.4	1.2
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°	24811.0	100.0
0°-180°	24811.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941097

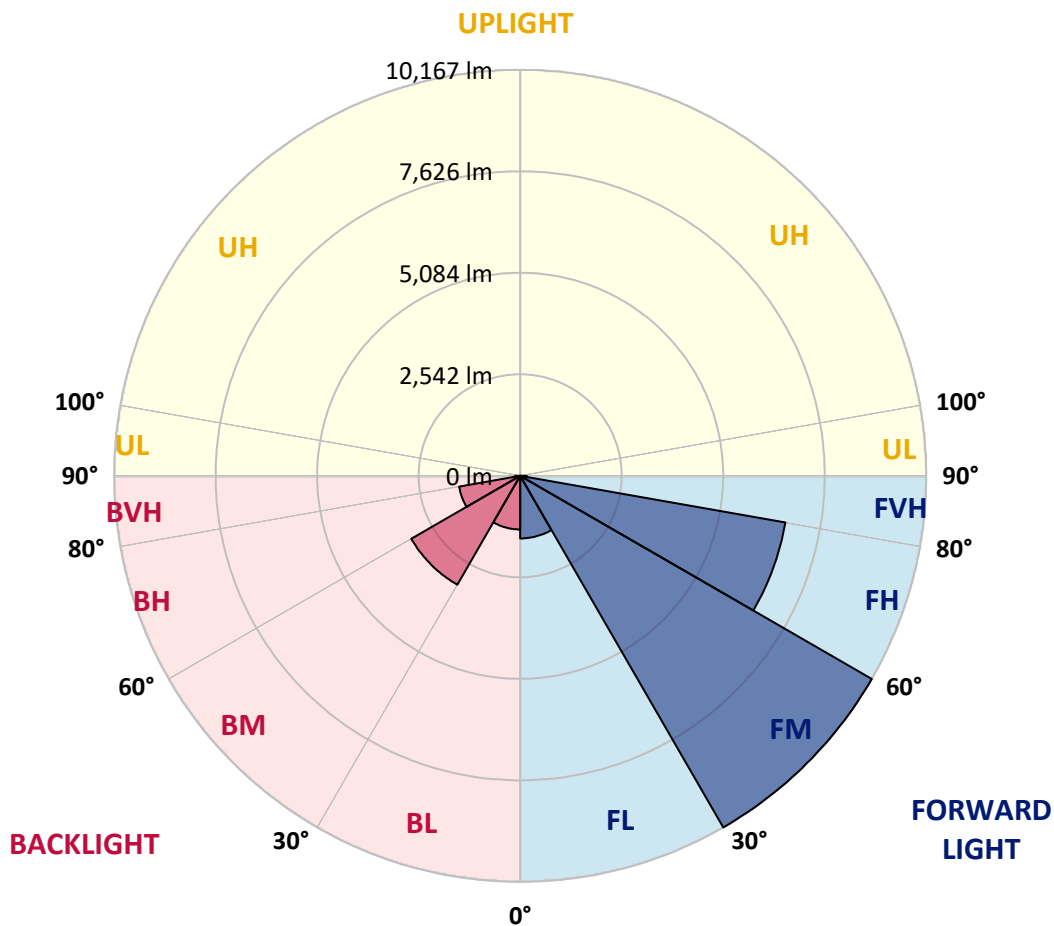
CATALOG NUMBER: GALN-SB4C-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1567.8	6.3			
FM	(30°-60°)	10167.3	41.0			
FH	(60°-80°)	6744.3	27.2			G3/7500
FVH	(80°-90°)	162.4	0.7			G2/225
BL	(0°-30°)	1343.9	5.4	B3/2500		
BM	(30°-60°)	3148.8	12.7	B3/5000		
BH	(60°-80°)	1552.5	6.3	B3/2500		G3/2500
BVH	(80°-90°)	124.0	0.5			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 III Short



REPORT NUMBER: P941097

CATALOG NUMBER: GALN-SB4C-722-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9
2.5°	2723.2	2738.8	2734.9	2728.4	2727.1	2729.7	2733.6	2737.5	2736.2	2742.7	2753.2
5°	2715.4	2731.0	2729.7	2729.7	2734.9	2745.3	2751.9	2758.4	2751.9	2759.7	2774.0
7.5°	2720.6	2732.3	2737.5	2742.7	2755.8	2775.3	2791.0	2805.3	2797.5	2806.6	2824.9
10°	2787.1	2796.2	2801.4	2801.4	2810.5	2832.7	2848.3	2874.4	2867.9	2882.2	2905.7
12.5°	2908.3	2917.4	2917.4	2912.2	2918.7	2933.1	2938.3	2967.0	2955.2	2978.7	3002.2
15°	3056.9	3075.2	3060.8	3051.7	3054.3	3068.6	3067.3	3089.5	3077.8	3097.3	3118.2
17.5°	3221.2	3244.6	3221.2	3219.9	3214.6	3230.3	3231.6	3251.1	3230.3	3244.6	3259.0
20°	3415.4	3448.0	3428.4	3434.9	3423.2	3429.7	3436.2	3464.9	3432.3	3442.8	3438.9
22.5°	3689.1	3728.3	3707.4	3732.2	3724.3	3719.1	3717.8	3768.7	3717.8	3721.7	3683.9
25°	4088.0	4135.0	4098.5	4132.4	4132.4	4149.3	4168.9	4234.0	4149.3	4124.5	4026.8
27.5°	4677.3	4724.2	4652.5	4673.4	4666.8	4708.5	4687.7	4849.3	4758.1	4717.7	4520.8
30°	5386.4	5469.8	5334.3	5329.1	5322.5	5389.0	5419.0	5525.9	5433.3	5392.9	5155.7
32.5°	6152.9	6240.3	6078.6	6031.7	6006.9	6047.3	6022.6	6108.6	6044.7	5982.2	5688.8
35°	6963.8	7049.8	6896.0	6804.7	6705.6	6620.9	6532.3	6554.4	6494.5	6399.3	6095.6
37.5°	7730.3	7888.0	7725.0	7627.3	7444.8	7279.2	7031.5	6928.6	6872.5	6785.2	6478.8
40°	8511.1	8601.1	8477.2	8393.8	8195.6	7936.2	7539.9	7322.2	7246.6	7161.9	6902.5
42.5°	9086.0	9172.0	9105.5	9048.2	8893.1	8591.9	8079.6	7807.2	7697.7	7602.5	7382.2
45°	9542.2	9606.1	9564.4	9585.3	9518.8	9226.8	8638.9	8327.3	8213.9	8097.9	7924.5
47.5°	9726.0	9793.8	9860.3	9984.2	10097.6	9882.5	9239.8	8890.4	8770.5	8651.9	8481.1
50°	9705.2	9774.3	9967.2	10230.5	10582.5	10510.8	9873.4	9490.1	9379.3	9243.7	9086.0
52.5°	9538.3	9616.5	9864.2	10302.2	10862.8	10981.4	10518.6	10109.3	10005.0	9843.4	9685.6
55°	9100.3	9147.3	9518.8	10139.3	10929.3	11309.9	11150.9	10768.9	10664.6	10439.1	10267.0
57.5°	8288.2	8356.0	8897.0	9700.0	10762.4	11532.8	11706.2	11462.4	11362.0	11037.5	10857.6
60°	7228.4	7336.6	7955.8	8962.1	10337.4	11531.5	12210.7	12144.2	12060.8	11626.7	11439.0
62.5°	6029.1	6154.2	6750.0	7919.3	9594.4	11204.3	12526.1	12715.2	12672.1	12170.3	11930.4
65°	4630.3	4716.4	5309.5	6570.1	8438.1	10501.7	12562.6	13104.9	13112.8	12583.5	12187.2
67.5°	3083.0	3330.7	3845.6	4930.2	6889.4	9353.2	12242.0	13168.8	13244.4	12725.6	12058.2
70°	1504.3	1830.2	2334.7	3204.2	4930.2	7592.1	11403.8	12644.8	12812.9	12311.1	11289.0
72.5°	624.4	730.0	1005.1	1581.2	2830.1	5123.1	9719.5	11223.9	11535.4	10908.4	9491.4
75°	421.1	456.3	574.9	810.8	1289.2	2526.3	7009.4	8369.0	8870.9	8238.7	6734.3
77.5°	324.6	346.8	418.5	567.1	766.5	955.5	3751.7	5043.6	5303.0	4909.3	3504.0
80°	255.5	272.4	312.9	413.2	543.6	511.0	1278.8	2285.2	2435.1	2042.7	1126.3
82.5°	221.6	228.1	224.2	280.3	361.1	298.5	419.8	843.4	930.8	675.3	367.6
85°	160.3	178.6	186.4	173.4	191.6	151.2	172.1	298.5	328.5	293.3	207.3
87.5°	65.2	96.5	118.6	112.1	70.4	43.0	53.4	87.3	100.4	109.5	67.8
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: P941097

CATALOG NUMBER: GALN-SB4C-722-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9	2751.9
2.5°	2754.5	2763.6	2770.1	2777.9	2783.2	2791.0	2806.6	2815.7	2817.0	2823.6	2822.3
5°	2779.2	2792.3	2806.6	2827.5	2850.9	2870.5	2900.5	2921.3	2929.2	2935.7	2934.4
7.5°	2832.7	2850.9	2877.0	2913.5	2947.4	2973.5	3010.0	3034.7	3059.5	3068.6	3069.9
10°	2912.2	2938.3	2976.1	3025.6	3062.1	3096.0	3133.8	3154.7	3179.4	3189.9	3195.1
12.5°	3011.3	3038.7	3088.2	3157.3	3191.2	3214.6	3227.7	3222.5	3227.7	3236.8	3239.4
15°	3124.7	3154.7	3210.7	3285.0	3308.5	3287.6	3259.0	3232.9	3229.0	3231.6	3240.7
17.5°	3259.0	3281.1	3346.3	3408.9	3391.9	3305.9	3243.3	3201.6	3180.7	3174.2	3183.4
20°	3446.7	3446.7	3500.1	3539.2	3425.8	3279.8	3182.1	3114.3	3071.2	3053.0	3049.1
22.5°	3674.8	3653.9	3687.8	3660.5	3419.3	3206.8	3071.2	2953.9	2888.7	2862.7	2858.8
25°	3964.2	3939.4	3930.3	3760.8	3372.4	3090.8	2870.5	2728.4	2671.0	2656.7	2659.3
27.5°	4400.9	4338.3	4219.7	3815.6	3286.3	2908.3	2635.8	2504.2	2471.6	2472.9	2476.8
30°	4982.3	4857.2	4566.5	3824.7	3145.6	2650.2	2396.0	2302.1	2286.5	2293.0	2315.2
32.5°	5520.7	5402.1	4921.0	3783.0	2929.2	2397.3	2180.9	2118.3	2094.9	2102.7	2113.1
35°	5943.0	5910.5	5249.5	3724.3	2663.2	2160.0	1988.0	1934.5	1888.9	1878.5	1886.3
37.5°	6341.9	6328.9	5495.9	3642.2	2399.9	1991.9	1832.8	1762.4	1696.0	1659.5	1660.8
40°	6779.9	6766.9	5657.6	3515.8	2166.6	1845.9	1693.4	1600.8	1518.7	1452.2	1458.7
42.5°	7272.7	7195.8	5734.5	3334.6	1968.4	1722.0	1579.9	1454.8	1346.6	1285.3	1289.2
45°	7811.1	7637.7	5733.2	3103.8	1801.6	1608.6	1458.7	1281.4	1181.0	1123.7	1121.1
47.5°	8382.1	8060.1	5662.8	2848.3	1639.9	1483.5	1271.0	1135.4	1068.9	1033.7	1025.9
50°	8971.3	8455.1	5542.8	2555.0	1474.4	1341.4	1153.7	1061.1	1010.3	977.7	966.0
52.5°	9525.3	8813.5	5398.1	2222.6	1306.2	1203.2	1101.5	1029.8	976.4	939.9	924.2
55°	10040.2	9122.5	5193.5	1882.4	1169.3	1110.7	1076.8	1016.8	955.5	912.5	895.6
57.5°	10497.8	9323.2	4840.2	1563.0	1071.5	1046.8	1050.7	994.6	924.2	887.7	864.3
60°	10878.4	9470.5	4317.5	1267.1	992.0	984.2	1010.3	952.9	870.8	829.1	810.8
62.5°	11106.5	9467.9	3676.1	1037.7	924.2	926.8	956.8	900.8	817.3	778.2	766.5
65°	11087.0	9235.9	2972.2	887.7	859.1	861.7	900.8	843.4	773.0	749.6	748.3
67.5°	10694.6	8670.1	2280.0	790.0	787.4	799.1	844.7	804.3	745.7	743.0	747.0
70°	9632.2	7495.6	1642.5	711.8	713.1	730.0	790.0	779.5	731.3	736.5	735.2
72.5°	7723.7	5714.9	1102.8	629.6	630.9	658.3	737.8	760.0	717.0	786.1	796.5
75°	5143.9	3564.0	709.2	542.3	543.6	578.8	692.2	722.2	677.9	783.5	790.0
77.5°	2471.6	1602.1	513.6	456.3	456.3	488.8	598.3	646.6	577.5	608.8	557.9
80°	853.8	602.3	404.1	367.6	359.8	382.0	504.5	560.5	498.0	458.9	430.2
82.5°	336.3	312.9	324.6	285.5	259.4	273.8	392.4	462.8	366.3	331.1	329.8
85°	192.9	203.4	229.4	189.0	149.9	168.2	288.1	332.4	276.4	243.8	249.0
87.5°	52.1	71.7	105.6	97.8	67.8	71.7	136.9	183.8	159.0	122.5	126.4
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)