

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: P948049

Luminaire Tested: **GALN-SB3B-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13872 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 109.2
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

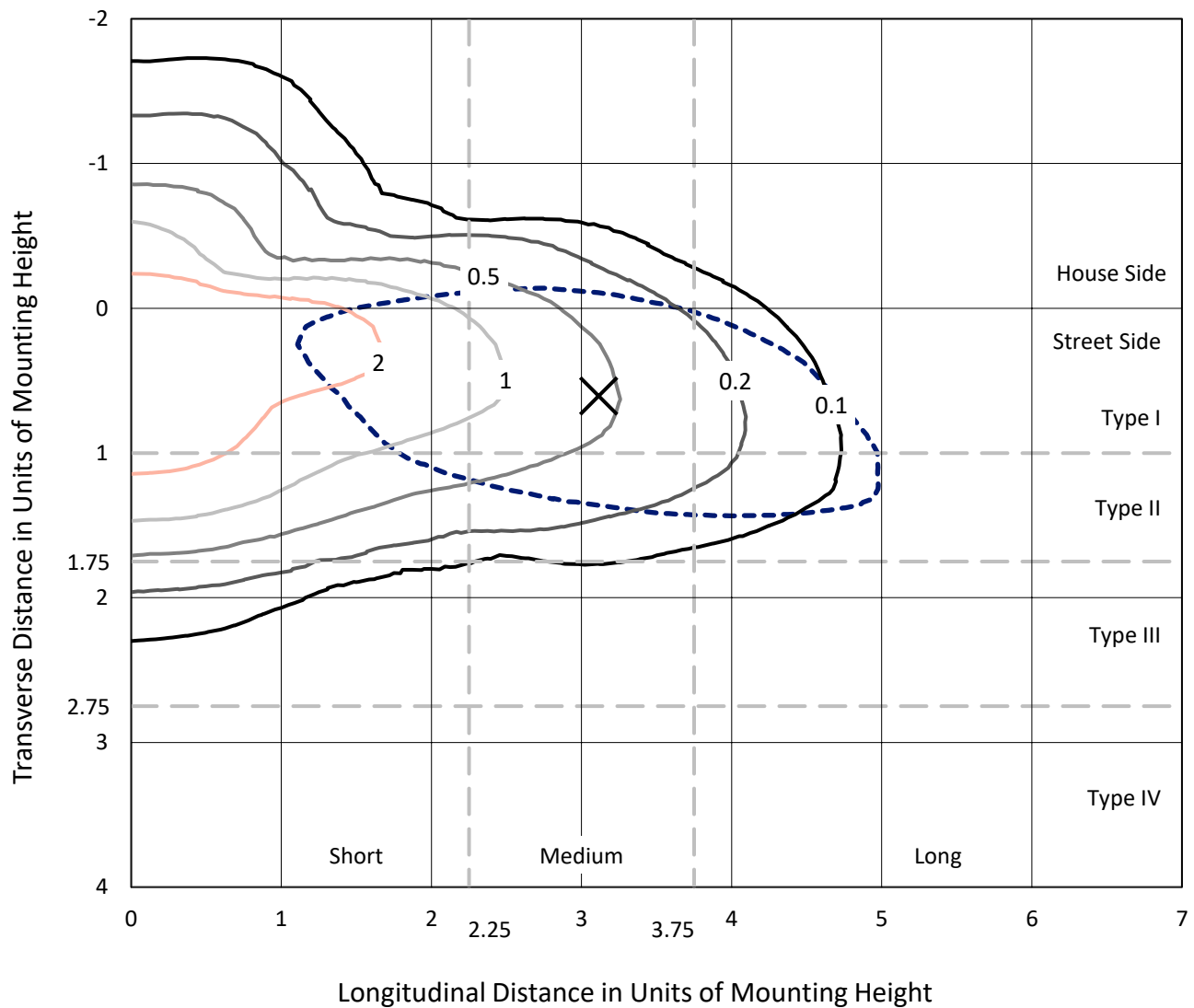


REPORT NUMBER: P948049

CATALOG NUMBER: GALN-SB3B-722-U-SL2

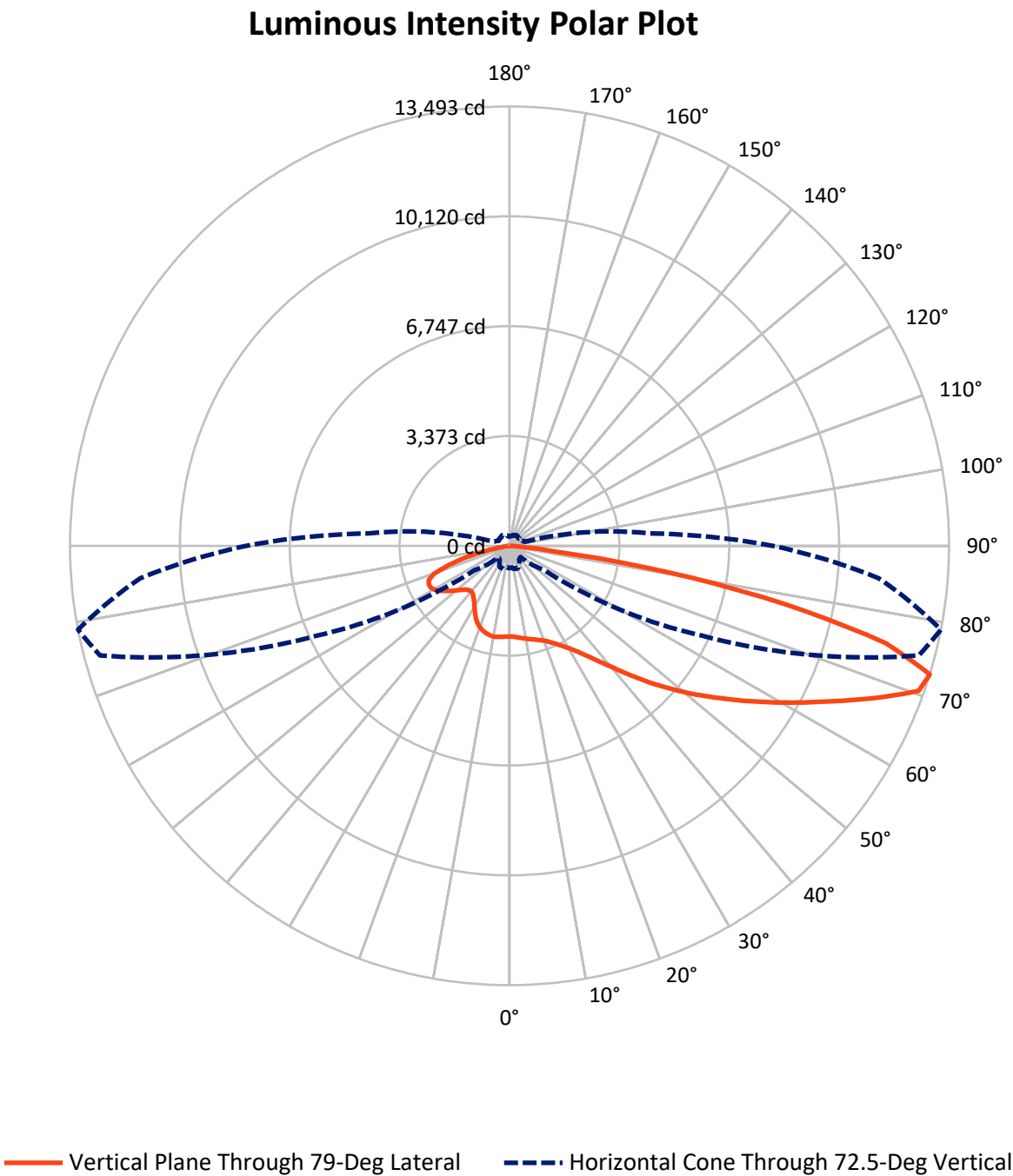
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type II - Medium - N/A

REPORT NUMBER: P948049
CATALOG NUMBER: GALN-SB3B-722-U-SL2



REPORT NUMBER: P948049

CATALOG NUMBER: GALN-SB3B-722-U-SL2

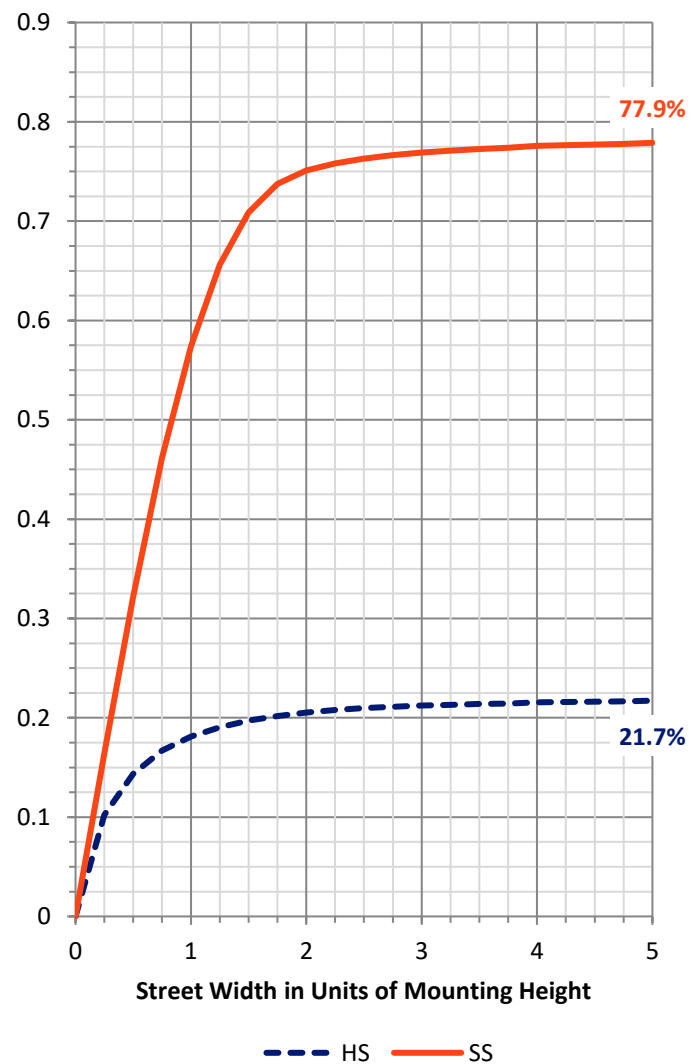
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3052.6	0.0	3052.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	10819.4	0.0	10819.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	13872.0	0.0	13872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	1.8
10°-20°	660.9	4.8
20°-30°	1066.4	7.7
30°-40°	1600.5	11.5
40°-50°	2270.3	16.4
50°-60°	2867.1	20.7
60°-70°	2912.0	21.0
70°-80°	1984.6	14.3
80°-90°	257.5	1.9
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°	13872.0	100.0
0°-180°	13872.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948049

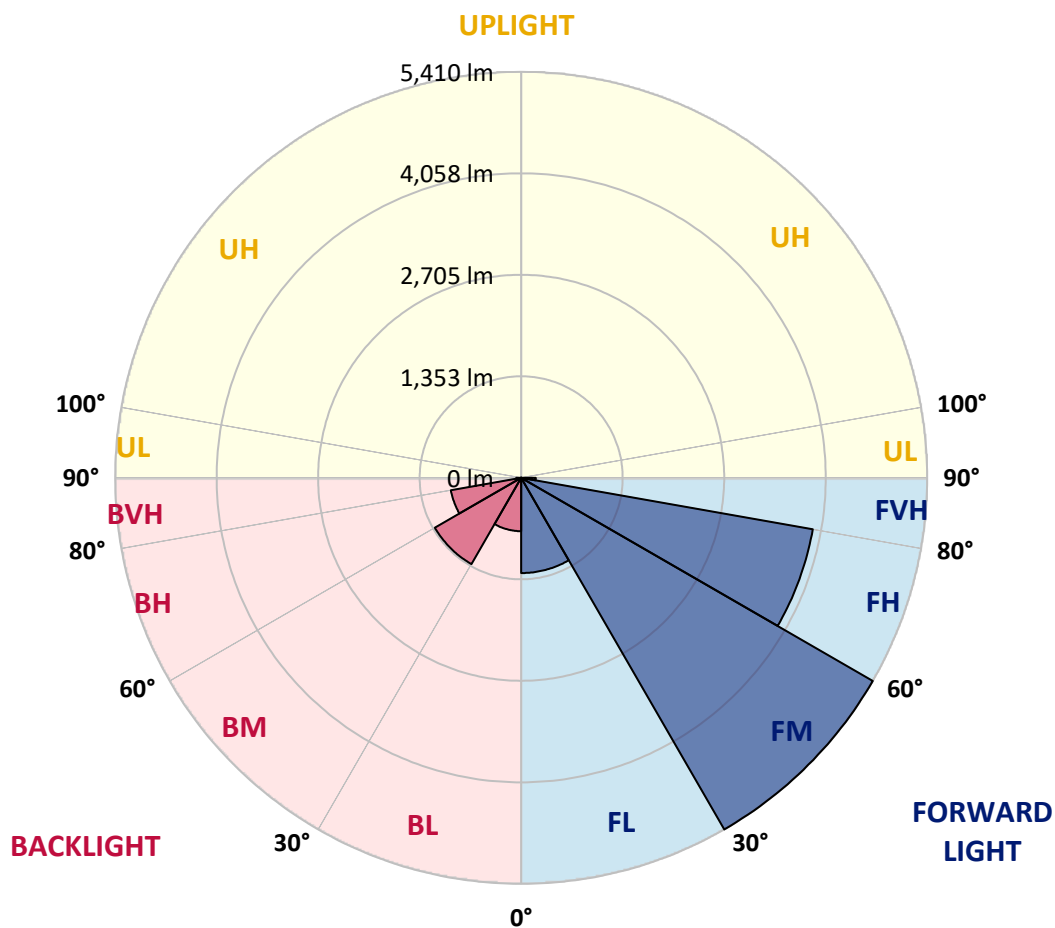
CATALOG NUMBER: GALN-SB3B-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1269.0	9.1			
FM	(30°-60°)	5410.4	39.0			
FH	(60°-80°)	3946.1	28.4			G2/5000
FVH	(80°-90°)	194.0	1.4			G2/225
BL	(0°-30°)	711.0	5.1	B2/1000		
BM	(30°-60°)	1327.6	9.6	B2/2500		
BH	(60°-80°)	950.5	6.9	B2/1000		G2/1000
BVH	(80°-90°)	63.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



REPORT NUMBER: P948049

CATALOG NUMBER: GALN-SB3B-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7
2.5°	2786.1	2772.9	2781.0	2778.1	2781.7	2786.1	2787.6	2789.8	2797.1	2796.4	2795.7
5°	2780.3	2767.1	2778.1	2774.4	2783.9	2794.2	2803.0	2811.1	2822.8	2828.0	2820.6
7.5°	2767.8	2759.0	2770.0	2781.0	2798.6	2814.0	2826.5	2844.8	2861.7	2864.7	2869.8
10°	2695.2	2688.5	2714.2	2742.8	2791.3	2833.1	2860.3	2881.5	2899.9	2902.8	2910.1
12.5°	2619.6	2611.5	2640.1	2679.0	2757.5	2833.1	2890.3	2918.2	2934.4	2943.9	2954.9
15°	2607.1	2600.5	2616.6	2650.4	2715.7	2813.3	2910.9	2962.2	2976.2	2987.2	2991.6
17.5°	2667.3	2654.8	2661.4	2673.1	2711.3	2794.9	2927.0	3012.1	3033.4	3045.2	3045.2
20°	2806.7	2789.1	2778.8	2755.3	2748.7	2797.9	2925.6	3072.3	3100.2	3114.9	3118.5
22.5°	2992.3	2980.6	2958.6	2899.1	2834.6	2833.8	2953.4	3149.4	3201.5	3215.4	3206.6
25°	3216.9	3199.3	3171.4	3090.7	2966.6	2905.0	3000.4	3247.7	3335.0	3338.7	3313.0
27.5°	3475.2	3448.7	3410.6	3304.2	3136.9	3016.5	3072.3	3360.7	3488.4	3486.9	3434.1
30°	3747.4	3721.0	3680.6	3551.5	3340.9	3167.0	3172.1	3482.5	3670.3	3662.3	3572.0
32.5°	3946.2	3926.4	3918.4	3818.6	3575.7	3344.5	3286.6	3617.5	3894.9	3887.5	3761.3
35°	4098.9	4073.2	4082.7	4032.1	3831.8	3543.4	3426.7	3778.2	4167.8	4167.1	4010.1
37.5°	4250.0	4227.3	4235.3	4201.6	4068.8	3795.8	3597.7	3974.9	4506.1	4522.2	4310.9
40°	4388.0	4363.8	4396.0	4364.5	4253.0	4064.4	3792.1	4197.2	4897.9	4928.8	4674.9
42.5°	4470.9	4451.8	4505.4	4506.1	4412.9	4291.1	4005.7	4442.3	5351.4	5420.4	5122.5
45°	4499.5	4492.9	4573.6	4590.5	4554.5	4422.5	4197.9	4709.4	5840.1	5963.4	5632.4
47.5°	4468.7	4456.2	4567.7	4630.1	4658.7	4484.1	4357.1	4998.5	6339.1	6519.6	6188.6
50°	4313.1	4288.9	4454.7	4586.1	4688.1	4524.5	4517.8	5332.3	6906.3	7103.7	6747.8
52.5°	4033.6	4015.2	4203.8	4432.0	4623.5	4544.3	4698.4	5697.0	7444.9	7700.2	7320.9
55°	3676.2	3652.0	3859.7	4157.6	4462.8	4537.7	4878.9	6105.0	8080.3	8339.3	7913.0
57.5°	3109.7	3061.3	3324.0	3676.2	4200.9	4529.6	5066.7	6510.8	8726.0	9036.4	8544.8
60°	2283.5	2211.6	2533.7	2951.2	3688.7	4451.1	5299.3	6965.7	9500.9	9780.5	9234.5
62.5°	1329.6	1287.8	1498.4	1888.0	2780.3	3988.8	5429.9	7494.8	10262.6	10556.1	9912.6
65°	1032.4	1020.7	1039.0	1069.1	1547.5	2986.5	5027.1	8010.6	11231.1	11436.6	10619.2
67.5°	944.4	935.6	943.6	887.1	785.1	1663.5	3977.1	8141.2	12268.7	12393.4	11237.7
70°	839.4	829.2	855.6	807.2	617.8	756.5	2569.7	7667.2	13094.2	13328.3	11708.1
72.5°	683.9	672.1	733.8	711.8	520.2	485.8	1290.7	6540.9	13007.6	13493.4	11371.3
75°	525.4	518.8	592.2	610.5	424.1	382.3	619.3	4862.0	11446.9	11936.3	9800.3
77.5°	408.0	402.8	440.3	507.0	341.9	296.4	380.8	3084.1	8626.2	8712.1	6753.7
80°	306.0	291.3	325.8	392.6	266.4	216.5	258.3	1798.5	5452.7	4942.7	2939.5
82.5°	191.5	184.2	212.8	262.0	187.8	149.0	168.0	993.5	2185.2	1287.0	567.2
85°	109.3	106.4	115.9	149.7	102.0	85.9	96.1	438.8	399.2	274.4	171.0
87.5°	44.0	42.6	52.8	66.8	37.4	31.6	33.8	105.7	88.1	81.4	56.5
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: P948049

CATALOG NUMBER: GALN-SB3B-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7	2784.7
2.5°	2792.7	2792.7	2782.5	2766.3	2748.0	2736.2	2717.2	2712.0	2692.2	2686.3	2695.9
5°	2826.5	2820.6	2789.1	2743.6	2681.2	2624.0	2560.9	2521.2	2465.5	2445.7	2460.3
7.5°	2869.1	2852.9	2798.6	2698.8	2568.2	2439.8	2306.3	2205.0	2108.1	2073.6	2078.0
10°	2907.9	2885.2	2792.7	2618.1	2392.1	2169.8	1957.0	1808.0	1695.0	1648.8	1659.1
12.5°	2946.8	2905.0	2753.9	2483.8	2141.9	1840.3	1613.6	1497.6	1427.9	1372.2	1390.5
15°	2983.5	2924.8	2693.7	2304.1	1867.5	1561.5	1394.2	1301.7	1245.9	1209.3	1215.9
17.5°	3026.1	2941.7	2603.4	2075.8	1606.2	1368.5	1232.0	1176.2	1165.2	1160.8	1163.8
20°	3085.5	2957.1	2484.6	1820.5	1414.0	1214.4	1144.0	1138.8	1138.1	1135.9	1143.2
22.5°	3149.4	2975.5	2327.5	1588.6	1250.4	1118.3	1105.8	1095.5	1088.9	1088.2	1096.3
25°	3224.9	2981.3	2130.9	1398.6	1110.9	1072.8	1058.1	1042.7	1038.3	1038.3	1042.7
27.5°	3298.3	2961.5	1901.9	1233.5	1032.4	1031.0	1011.9	1006.7	1006.0	1008.2	1014.1
30°	3371.7	2924.1	1674.5	1080.8	986.9	986.9	980.3	984.0	986.9	994.3	999.4
32.5°	3470.8	2884.5	1484.4	967.8	947.3	940.0	946.6	953.9	956.8	966.4	974.5
35°	3616.0	2856.6	1333.3	906.2	906.2	896.7	900.3	898.9	892.3	887.9	898.1
37.5°	3808.3	2855.1	1208.5	877.6	871.7	870.3	871.0	861.5	835.8	805.0	805.7
40°	4039.4	2894.7	1112.4	857.8	853.4	862.2	857.8	832.1	761.7	708.1	706.6
42.5°	4349.8	3007.7	1050.8	833.6	846.8	857.8	840.2	751.4	703.7	667.7	666.3
45°	4715.2	3191.2	1019.2	807.9	834.3	847.5	762.4	723.5	685.3	642.1	639.1
47.5°	5129.1	3422.3	1011.9	783.7	806.4	814.5	729.4	711.8	668.5	621.5	617.8
50°	5579.6	3696.0	1031.7	755.1	766.1	738.2	718.4	702.2	657.5	611.2	606.1
52.5°	6045.6	3997.6	1071.3	716.2	725.7	694.9	714.0	700.0	650.9	588.5	584.1
55°	6503.4	4301.4	1109.5	670.7	684.6	656.0	701.5	691.2	620.8	550.3	546.7
57.5°	6968.7	4603.7	1146.9	630.3	645.0	618.6	681.7	667.7	587.0	515.1	513.6
60°	7452.2	4897.2	1164.5	591.4	601.7	584.1	651.6	627.4	548.9	479.2	477.0
62.5°	7904.9	5141.6	1135.9	552.5	559.1	551.8	612.0	579.7	510.7	438.8	438.1
65°	8359.2	5286.8	1047.8	514.4	515.8	512.2	556.2	528.3	465.9	403.6	399.2
67.5°	8770.8	5368.3	907.7	473.3	469.6	468.1	504.1	472.6	422.7	368.4	364.0
70°	8858.1	5161.4	693.4	424.9	424.9	421.2	446.9	414.6	375.0	330.9	329.5
72.5°	8090.6	4341.7	492.4	369.8	375.7	368.4	389.6	362.5	326.5	297.2	288.4
75°	6524.0	3183.8	358.1	313.3	323.6	311.1	330.9	311.9	281.0	280.3	252.4
77.5°	4482.6	1968.7	259.8	258.3	265.6	249.5	272.2	262.0	234.1	221.6	207.7
80°	1912.9	785.1	189.3	199.6	199.6	184.9	211.3	214.3	190.0	184.2	184.2
82.5°	380.8	223.1	132.8	137.2	129.1	124.7	149.7	165.8	228.9	254.6	255.4
85°	114.5	82.2	80.0	74.8	66.0	66.8	88.1	166.6	205.5	117.4	101.3
87.5°	31.6	20.5	21.3	16.9	13.9	18.3	30.1	126.2	69.0	29.4	24.9
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)