

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: P455236

Luminaire Tested: **GALN-SA6B-830-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28122 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 243
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

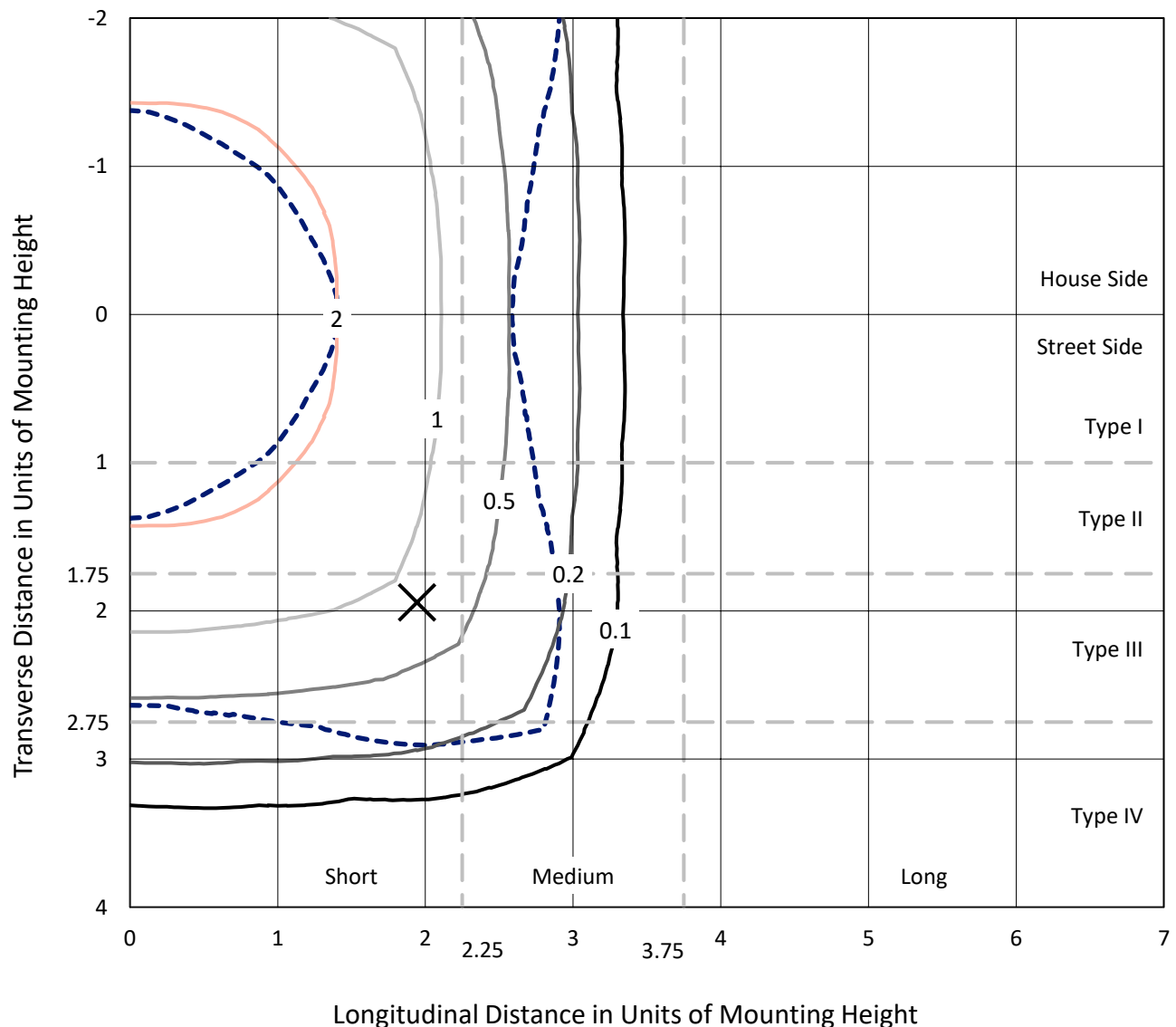


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

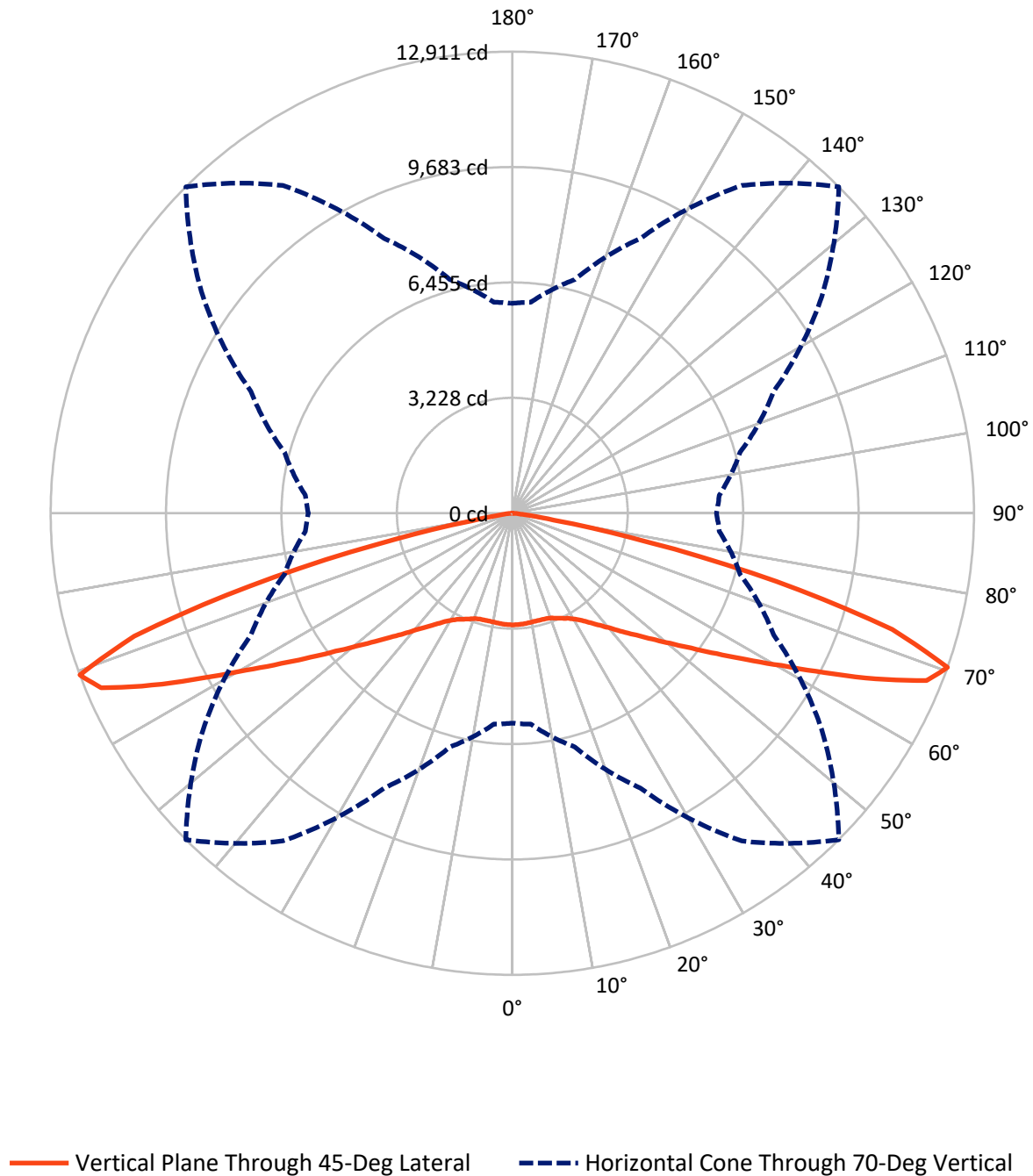


Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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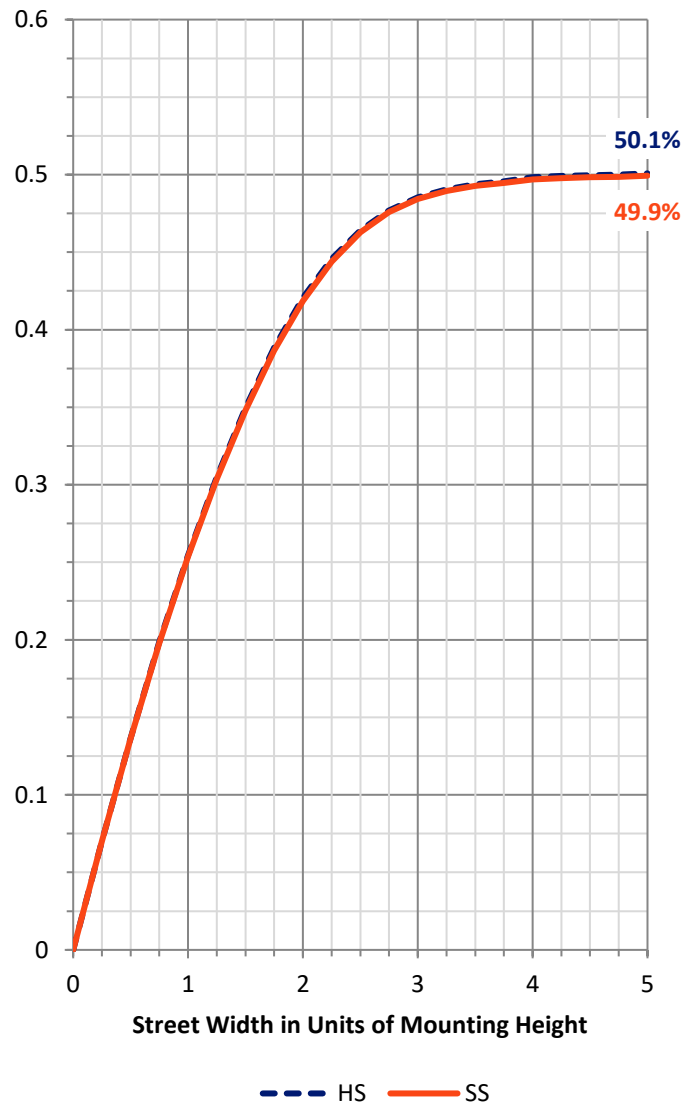
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14061.0	0.0	14061.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14061.0	0.0	14061.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28122.0	0.0	28122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.1	1.1
10°-20°	869.0	3.1
20°-30°	1486.2	5.3
30°-40°	2358.9	8.4
40°-50°	3805.6	13.5
50°-60°	6191.8	22.0
60°-70°	8975.9	31.9
70°-80°	3981.4	14.2
80°-90°	157.0	0.6
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°	28122.0	100.0
0°-180°	28122.0	100.0

Coefficient of Utilization



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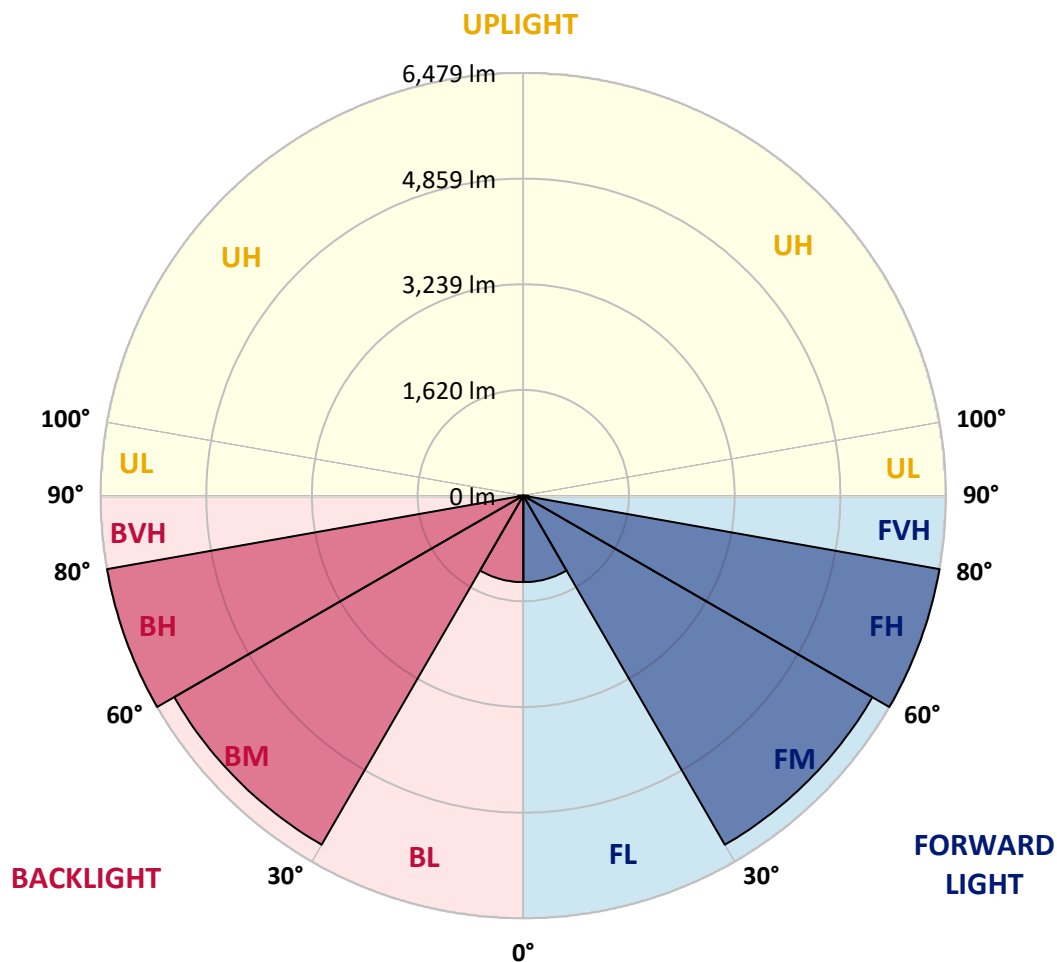
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1325.7	4.7			
FM	(30°-60°)	6178.2	22.0			
FH	(60°-80°)	6478.6	23.0			G3/7500
FVH	(80°-90°)	78.5	0.3			G1/100
BL	(0°-30°)	1325.7	4.7	B3/2500		
BM	(30°-60°)	6178.2	22.0	B4/8500		
BH	(60°-80°)	6478.6	23.0	B5		G3/7500
BVH	(80°-90°)	78.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3122.8	3122.8	3122.8	3122.8	3122.8	3122.8	3122.8	3122.8	3122.8	3122.8	3122.8
2.5°	3122.8	3125.8	3121.3	3118.4	3116.9	3116.9	3115.4	3116.9	3125.8	3127.3	3122.8
5°	3113.9	3116.9	3115.4	3112.4	3111.0	3111.0	3109.5	3108.0	3115.4	3118.4	3116.9
7.5°	3102.1	3103.5	3102.1	3100.6	3102.1	3100.6	3096.1	3093.2	3099.1	3099.1	3097.6
10°	3081.3	3084.3	3082.8	3084.3	3087.2	3087.2	3081.3	3075.4	3076.9	3073.9	3073.9
12.5°	3056.1	3060.6	3062.0	3068.0	3075.4	3084.3	3070.9	3057.6	3054.6	3053.2	3051.7
15°	3039.8	3044.3	3050.2	3056.1	3069.5	3088.7	3069.5	3048.7	3042.8	3036.9	3033.9
17.5°	3035.4	3041.3	3050.2	3059.1	3076.9	3096.1	3079.8	3059.1	3044.3	3035.4	3032.4
20°	3047.2	3051.7	3065.0	3081.3	3106.5	3125.8	3109.5	3087.2	3065.0	3051.7	3047.2
22.5°	3070.9	3078.4	3094.7	3124.3	3159.9	3188.0	3165.8	3128.7	3093.2	3075.4	3069.5
25°	3122.8	3128.7	3148.0	3188.0	3229.5	3256.2	3232.5	3189.5	3140.6	3116.9	3109.5
27.5°	3201.4	3210.3	3231.0	3278.4	3312.5	3327.3	3311.0	3281.4	3245.8	3220.6	3214.7
30°	3312.5	3322.9	3354.0	3404.4	3426.6	3435.5	3428.1	3408.9	3383.7	3357.0	3351.1
32.5°	3462.2	3468.1	3503.7	3551.1	3571.9	3574.9	3566.0	3557.1	3515.6	3471.1	3468.1
35°	3629.7	3640.1	3683.1	3739.4	3758.6	3760.1	3742.3	3729.0	3680.1	3644.5	3644.5
37.5°	3852.0	3856.5	3898.0	3961.7	3982.4	3976.5	3967.6	3955.8	3903.9	3857.9	3859.4
40°	4112.9	4121.8	4157.3	4231.4	4231.4	4224.0	4230.0	4221.1	4169.2	4124.7	4126.2
42.5°	4422.6	4427.1	4470.1	4548.6	4542.7	4527.9	4533.8	4521.9	4489.3	4438.9	4421.1
45°	4753.1	4770.9	4845.0	4920.6	4908.8	4861.3	4885.0	4882.1	4852.4	4776.9	4781.3
47.5°	5151.8	5181.5	5252.6	5343.0	5329.7	5255.6	5282.3	5300.0	5258.5	5175.5	5160.7
50°	5600.9	5620.2	5725.4	5809.9	5798.0	5719.5	5780.2	5783.2	5679.5	5562.4	5562.4
52.5°	6079.6	6098.9	6241.2	6373.1	6380.5	6266.4	6315.3	6312.3	6143.4	5989.2	5959.6
55°	6616.2	6625.1	6808.8	7003.0	7044.5	6933.3	6939.3	6880.0	6660.6	6481.3	6465.0
57.5°	7170.5	7203.1	7406.1	7658.1	7781.1	7712.9	7681.8	7523.2	7311.3	7105.3	7094.9
60°	7784.1	7785.5	8049.4	8347.3	8596.3	8642.2	8514.7	8302.8	8028.6	7755.9	7744.0
62.5°	8209.4	8273.2	8606.6	9110.6	9556.7	9814.6	9478.1	9033.5	8494.0	8053.8	8009.3
65°	8296.9	8339.9	8848.2	9701.9	10613.4	11169.2	10391.1	9445.5	8525.1	7938.2	7908.6
67.5°	7589.9	7635.9	8320.6	9630.8	11354.5	12494.2	10984.0	9246.9	7997.5	7271.3	7213.5
70°	5870.7	5922.5	6768.8	8477.7	11190.0	12910.7	10561.5	8065.7	6595.4	5811.4	5706.1
72.5°	3121.3	3312.5	4035.8	5818.8	9082.4	11115.9	8660.0	5885.5	4253.7	3477.0	3337.7
75°	1139.7	1163.5	1566.6	2580.4	5283.7	7622.5	5486.8	2807.1	1614.0	1246.5	1182.7
77.5°	471.3	469.8	515.8	779.6	1919.3	3903.9	2141.7	824.1	514.3	475.8	469.8
80°	278.6	278.6	306.8	324.6	505.4	1178.3	564.7	367.6	308.3	281.6	286.0
82.5°	124.5	131.9	194.2	204.5	244.5	323.1	272.7	234.2	201.6	139.3	126.0
85°	68.2	59.3	102.3	106.7	117.1	120.1	128.9	127.5	117.1	68.2	69.7
87.5°	13.3	16.3	29.6	22.2	25.2	22.2	29.6	41.5	43.0	23.7	19.3
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)