

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: STREETWORKS

Report Number: P455792

Luminaire Tested: **GLAN-SA7A-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29929 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 215
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



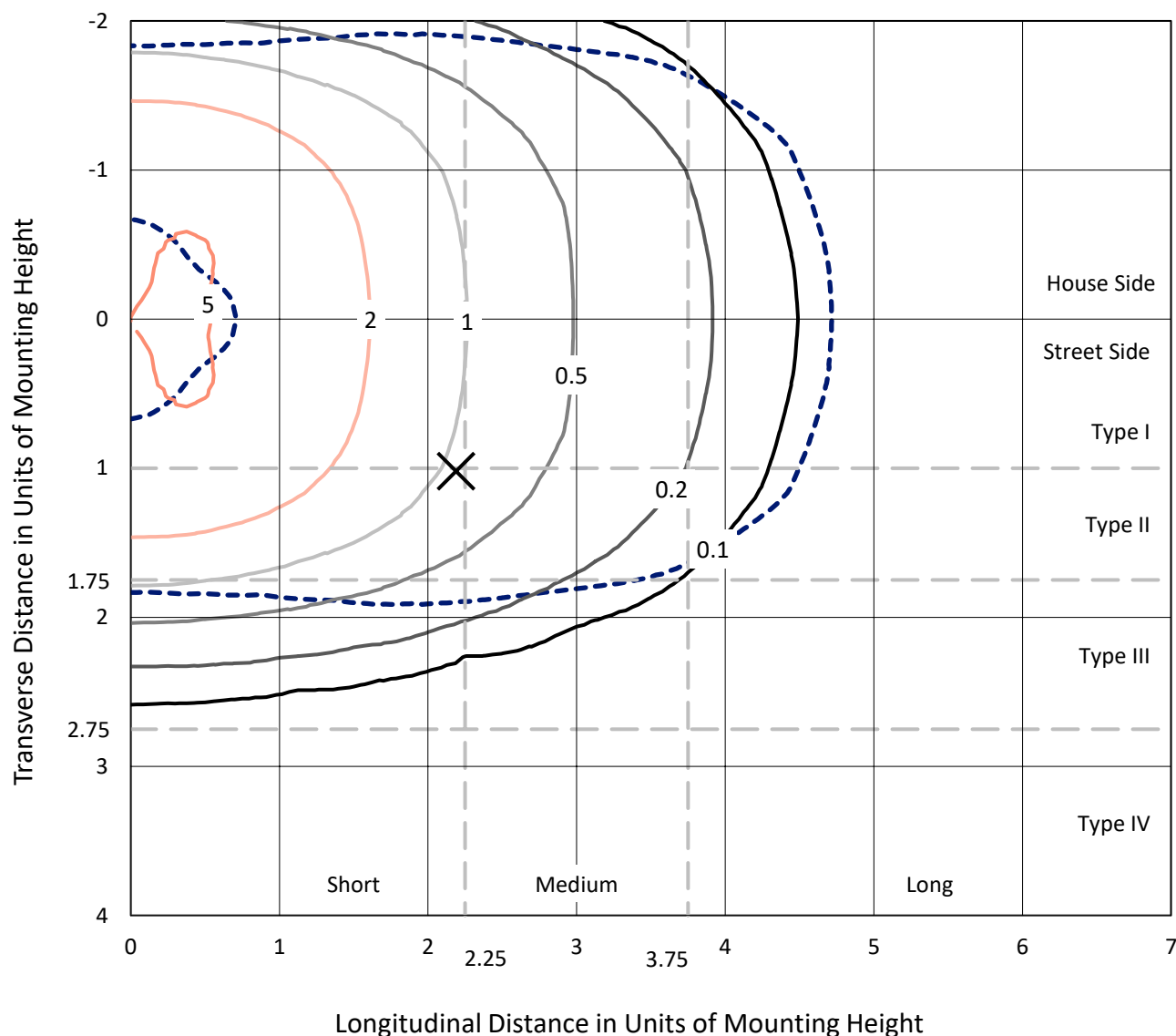
REPORT NUMBER: P455792

CATALOG NUMBER: GLAN-SA7A-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

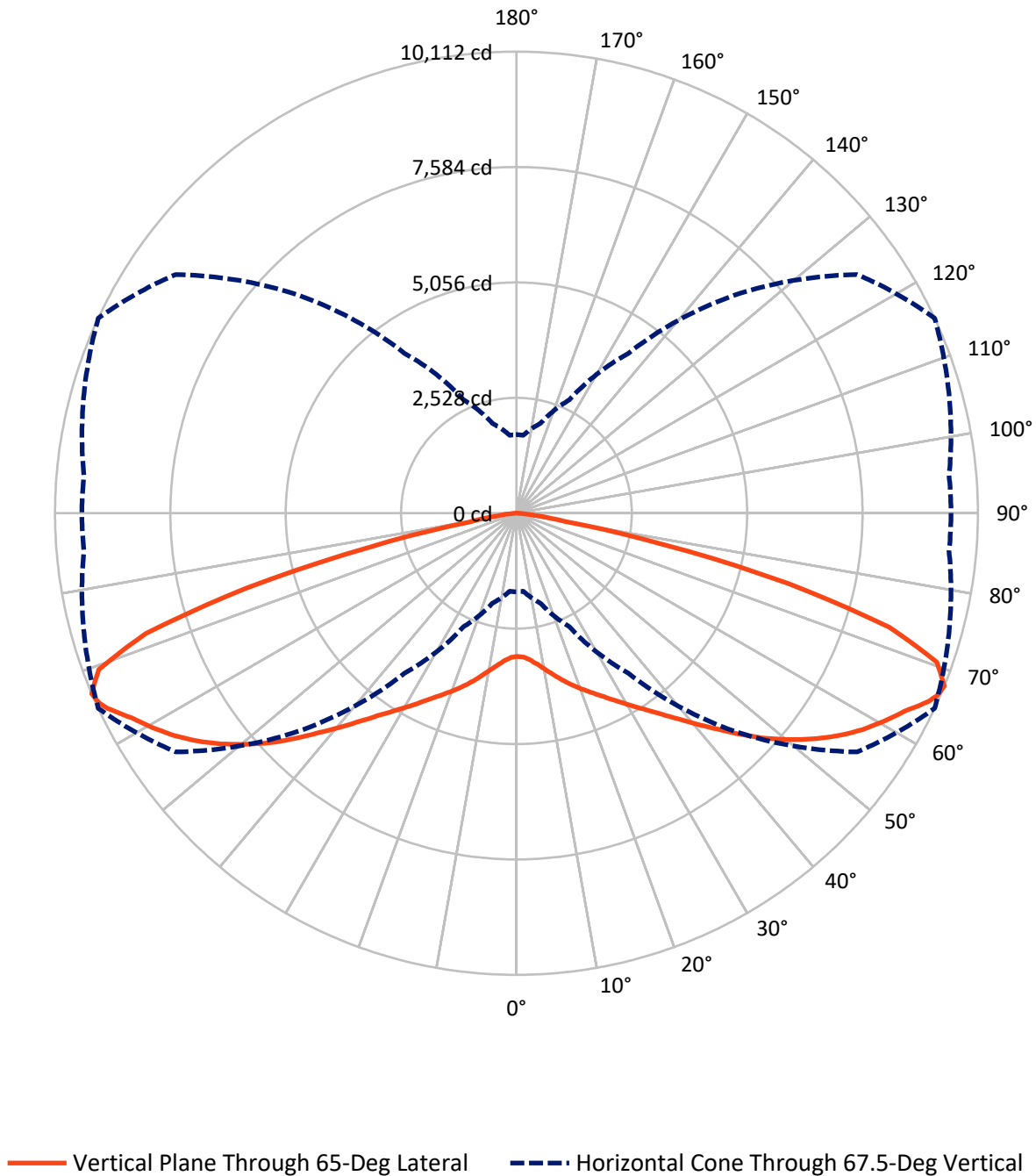


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

REPORT NUMBER: P455792

CATALOG NUMBER: GLAN-SA7A-730-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P455792

CATALOG NUMBER: GLAN-SA7A-730-U-RW

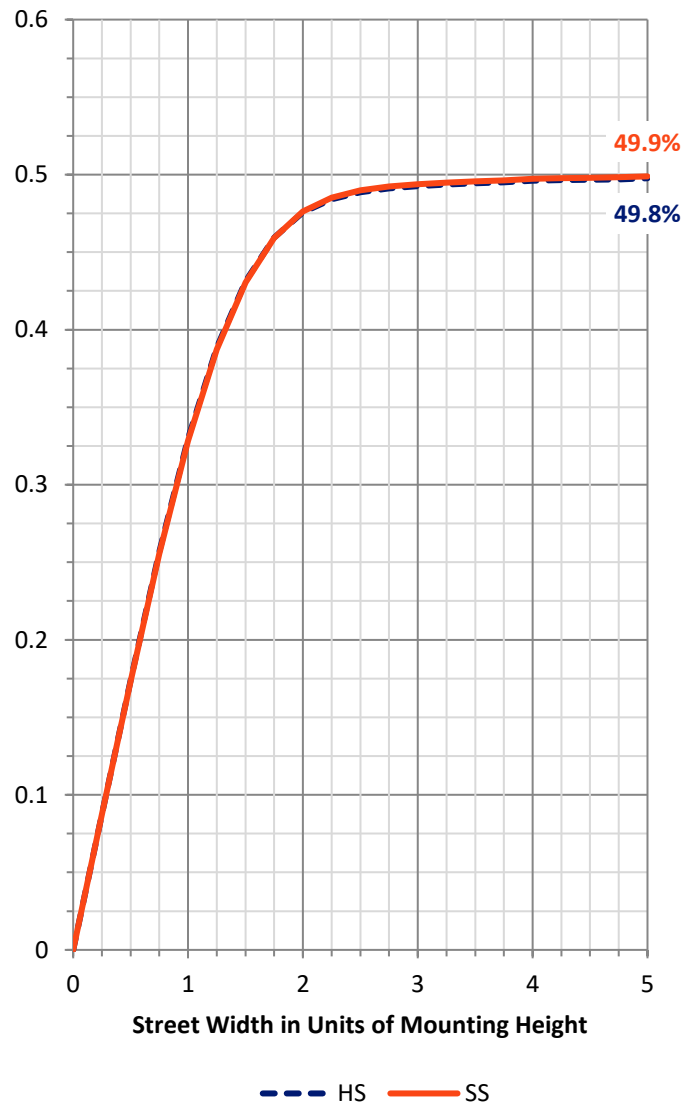
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14964.5	0.0	14964.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14964.5	0.0	14964.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29929.0	0.0	29929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.2	1.0
10°-20°	1034.8	3.5
20°-30°	2024.1	6.8
30°-40°	3442.7	11.5
40°-50°	5448.8	18.2
50°-60°	7225.0	24.1
60°-70°	6815.4	22.8
70°-80°	3369.2	11.3
80°-90°	259.7	0.9
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°	29929.0	100.0
0°-180°	29929.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455792

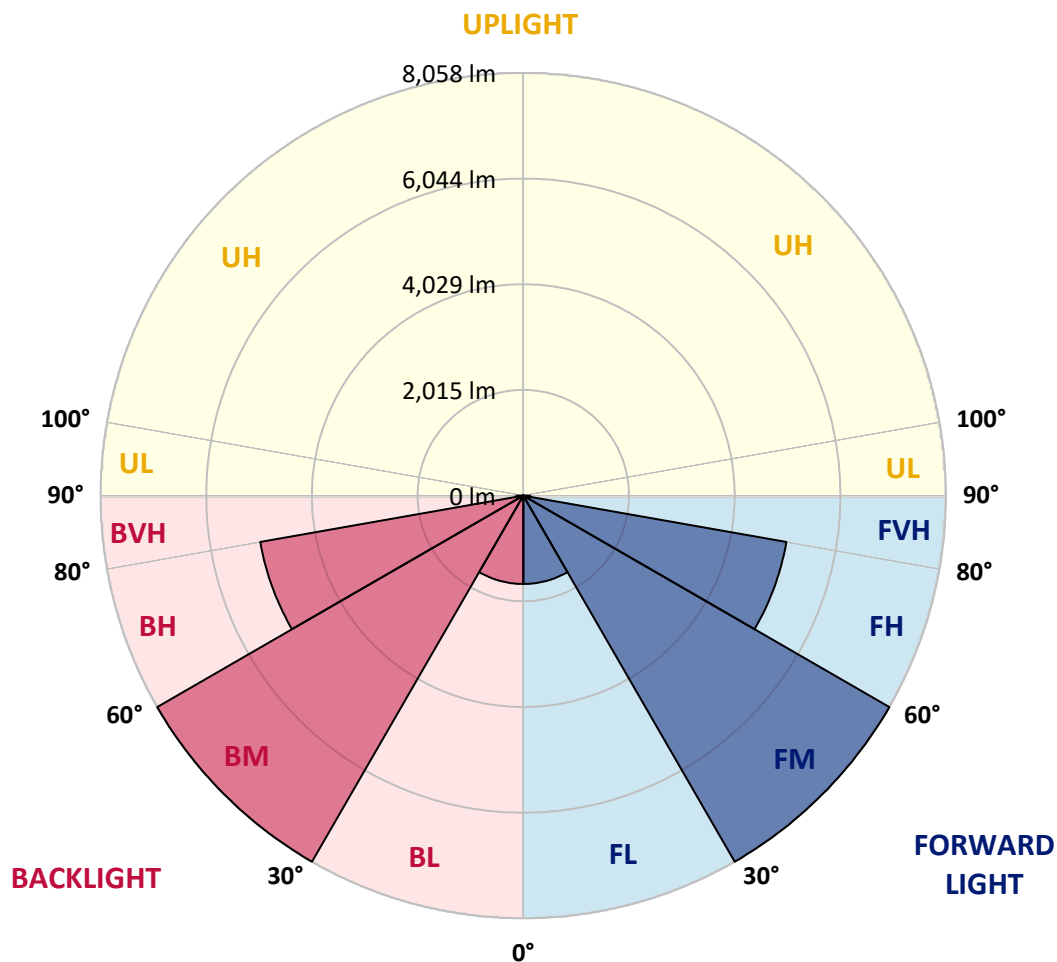
CATALOG NUMBER: GLAN-SA7A-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1684.0	5.6			
FM	(30°-60°)	8058.3	26.9			
FH	(60°-80°)	5092.3	17.0			G3/7500
FVH	(80°-90°)	129.8	0.4			G2/225
BL	(0°-30°)	1684.0	5.6	B3/2500		
BM	(30°-60°)	8058.3	26.9	B4/8500		
BH	(60°-80°)	5092.3	17.0	B5		G5
BVH	(80°-90°)	129.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





REPORT NUMBER: P455792

CATALOG NUMBER: GLAN-SA7A-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3134.8	3134.8	3134.8	3134.8	3134.8	3134.8	3134.8	3134.8	3134.8	3134.8	3134.8
2.5°	3118.8	3122.0	3125.2	3130.0	3136.4	3146.0	3152.4	3157.2	3170.1	3171.7	3170.1
5°	3107.5	3110.7	3118.8	3133.2	3154.0	3182.9	3205.4	3232.6	3253.5	3267.9	3264.7
7.5°	3105.9	3112.4	3125.2	3155.6	3195.7	3245.4	3296.7	3343.3	3383.3	3415.4	3410.6
10°	3131.6	3139.6	3160.5	3205.4	3267.9	3340.0	3412.2	3481.1	3538.9	3580.6	3595.0
12.5°	3174.9	3181.3	3219.8	3287.1	3376.9	3466.7	3548.5	3633.5	3713.7	3784.2	3784.2
15°	3250.2	3261.5	3309.6	3407.4	3518.0	3622.3	3705.6	3795.4	3882.0	3962.2	3986.2
17.5°	3354.5	3370.5	3442.7	3567.7	3708.8	3805.1	3883.6	3957.4	4032.7	4109.7	4120.9
20°	3497.2	3513.2	3609.4	3760.2	3926.9	4042.4	4095.3	4112.9	4149.8	4223.6	4233.2
22.5°	3691.2	3707.2	3814.7	3984.6	4170.6	4295.7	4318.2	4276.5	4266.9	4324.6	4331.0
25°	3910.9	3925.3	4048.8	4231.6	4424.0	4560.3	4553.9	4451.3	4393.5	4428.8	4438.4
27.5°	4157.8	4178.7	4303.7	4492.9	4701.4	4821.7	4802.4	4653.3	4529.8	4523.4	4526.6
30°	4473.7	4496.2	4614.8	4796.0	5001.2	5111.9	5071.8	4871.4	4680.6	4616.4	4616.4
32.5°	4807.2	4863.3	4983.6	5172.8	5333.2	5413.3	5352.4	5111.9	4858.5	4768.7	4763.9
35°	5241.8	5272.2	5390.9	5575.3	5695.6	5758.1	5641.0	5382.9	5091.0	4985.2	4970.8
37.5°	5666.7	5692.3	5830.2	6006.6	6152.5	6149.3	5990.6	5705.2	5379.7	5261.0	5251.4
40°	6101.2	6128.5	6285.6	6447.6	6593.5	6580.7	6388.3	6069.2	5722.8	5589.7	5615.4
42.5°	6478.0	6508.5	6686.5	6917.4	7048.9	7045.7	6822.8	6463.6	6102.8	5984.2	6006.6
45°	6821.2	6848.5	7055.3	7319.9	7512.3	7536.3	7292.6	6912.6	6542.2	6389.9	6396.3
47.5°	7063.3	7114.6	7331.1	7634.2	7895.5	7980.5	7741.6	7369.6	6943.1	6784.3	6793.9
50°	7247.7	7279.8	7515.5	7860.2	8190.6	8366.9	8174.5	7792.9	7343.9	7175.6	7198.0
52.5°	7270.2	7308.7	7565.2	7962.9	8386.2	8654.0	8559.4	8206.6	7752.8	7579.6	7627.7
55°	7087.4	7109.8	7416.1	7898.7	8463.2	8867.2	8891.3	8591.4	8142.5	8011.0	8043.0
57.5°	6566.2	6624.0	7012.0	7598.9	8357.3	8981.1	9139.8	8941.0	8536.9	8407.0	8458.3
60°	5711.6	5769.3	6159.0	6903.0	7958.1	8928.2	9345.1	9250.5	8894.5	8790.3	8817.5
62.5°	4475.3	4470.5	4953.1	5865.5	7164.3	8668.4	9497.4	9548.7	9247.3	9115.8	9157.5
65°	2900.7	2915.1	3381.7	4364.7	5966.5	8007.8	9531.1	9928.7	9593.6	9394.8	9425.2
66°	2333.1	2376.4	2772.4	3678.4	5355.6	7574.8	9430.1	10041.0	9699.4	9458.9	9473.3
67.5°	1722.1	1714.1	2039.6	2738.7	4276.5	6752.2	9114.2	10111.5	9819.7	9516.6	9523.1
70°	982.9	981.3	1096.8	1504.1	2514.3	4754.3	7682.3	9773.2	10063.4	9725.1	9707.5
72.5°	718.4	713.5	729.6	830.6	1226.7	2400.4	5299.5	8541.7	9938.4	9691.4	9641.7
75°	602.9	599.7	596.5	609.3	687.9	1087.2	2812.5	6144.5	8623.5	9096.5	9045.2
77.5°	492.3	492.3	493.9	490.7	493.9	572.4	1165.7	3293.5	5251.4	5862.3	6005.0
80°	384.8	383.2	410.5	399.3	373.6	367.2	516.3	1059.9	1743.0	1733.4	1430.3
82.5°	283.8	264.6	312.7	304.7	275.8	234.1	301.5	452.2	582.1	378.4	280.6
85°	179.6	178.0	221.3	202.0	168.4	110.6	144.3	194.0	240.5	145.9	118.7
87.5°	32.1	30.5	70.6	51.3	51.3	32.1	40.1	52.9	78.6	54.5	40.1
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)