

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: P317030

Luminaire Tested: **GAN-SA6A-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23826 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 193
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

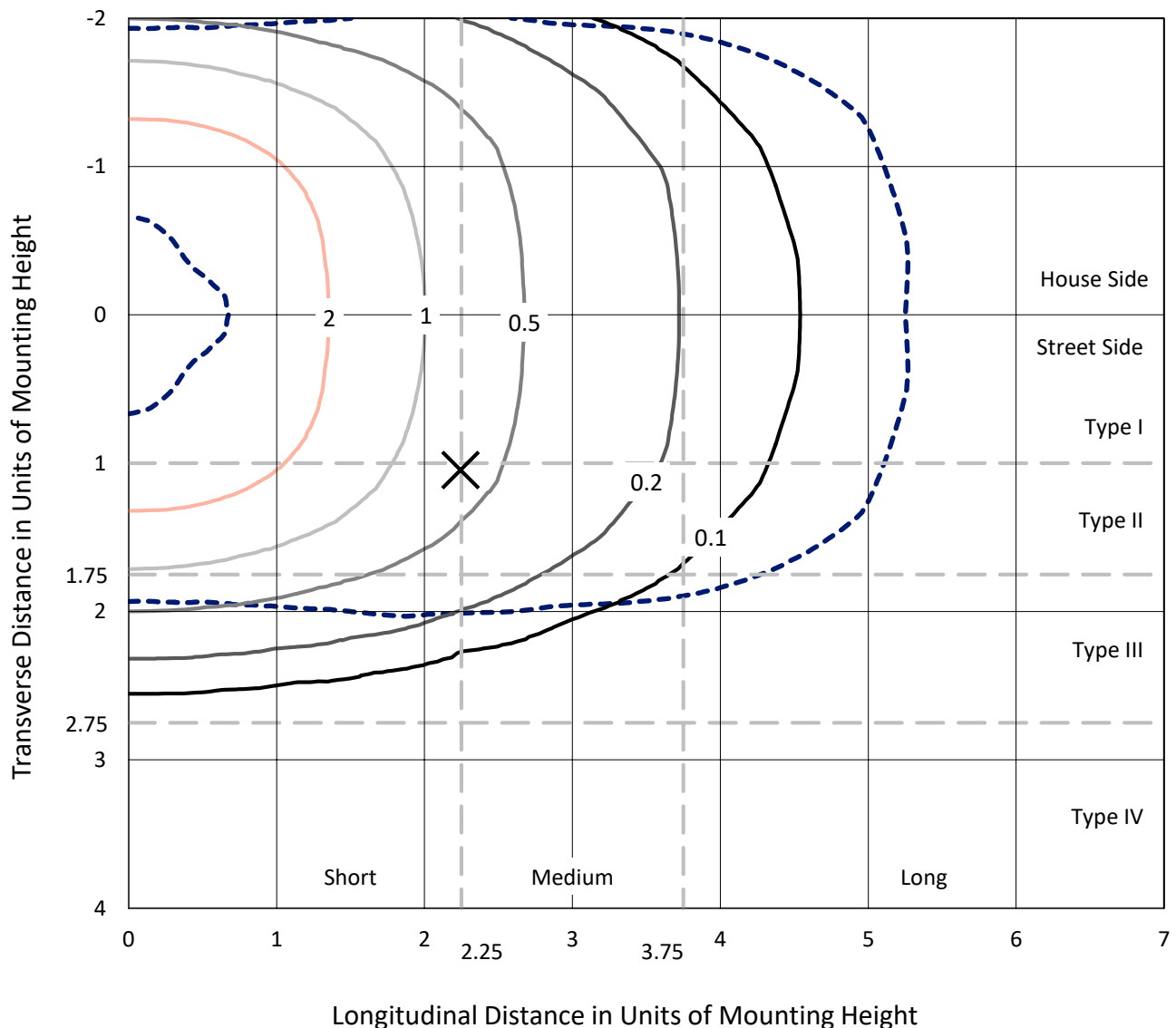


REPORT NUMBER: P317030

CATALOG NUMBER: GAN-SA6A-727-U-RW

Iso-Footcandle Lines of Horizontal Illumination

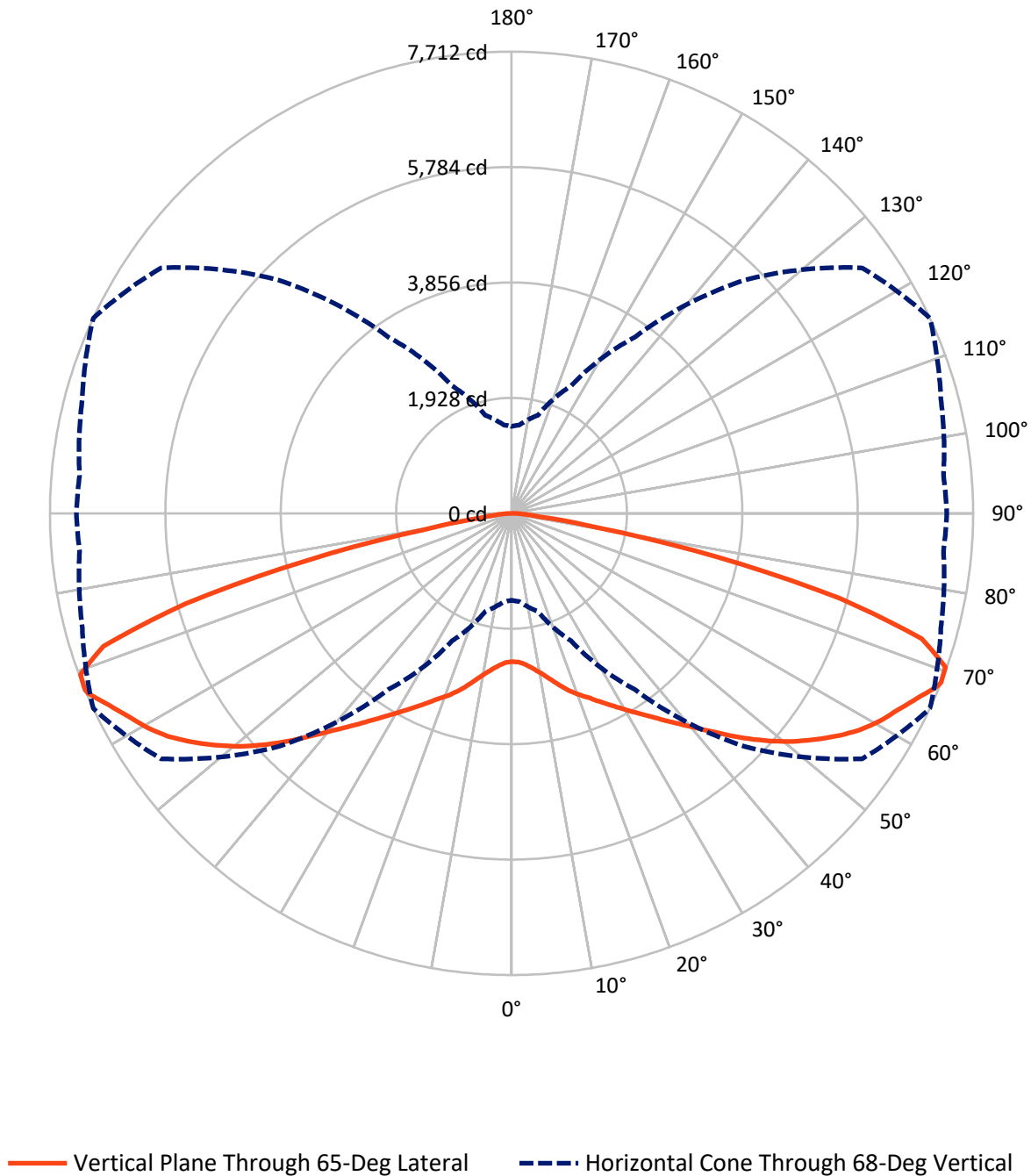
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P317030
CATALOG NUMBER: GAN-SA6A-727-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317030

CATALOG NUMBER: GAN-SA6A-727-U-RW

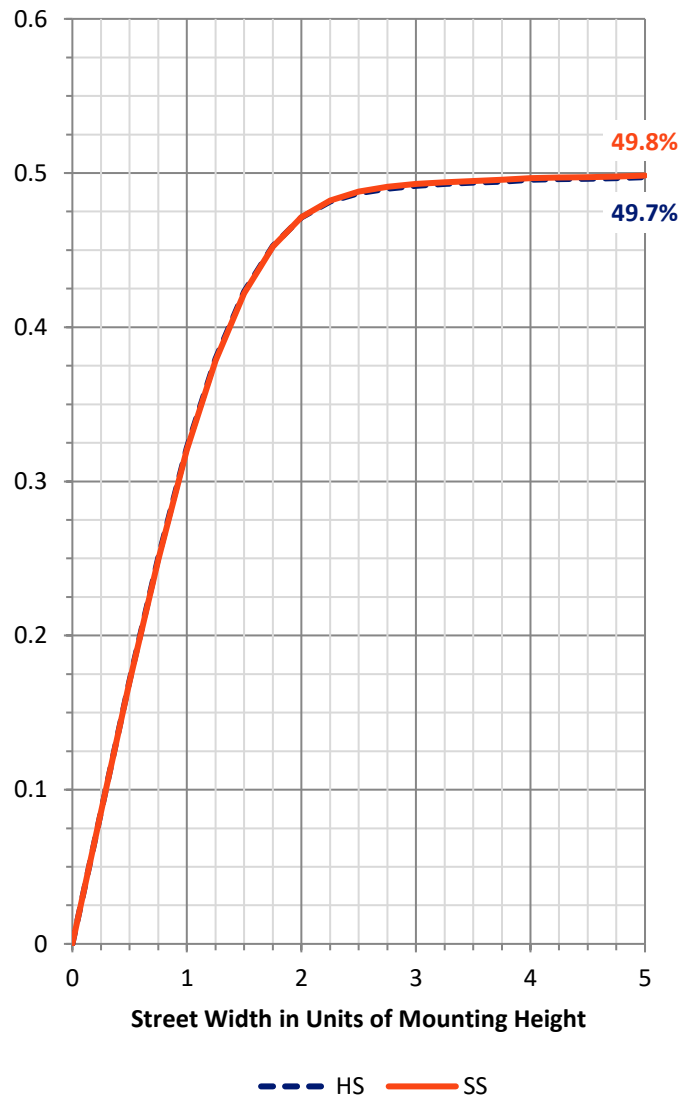
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11913.0	0.0	11913.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11913.0	0.0	11913.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23826.0	0.0	23826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	1.0
10°-20°	812.2	3.4
20°-30°	1583.5	6.6
30°-40°	2660.2	11.2
40°-50°	4191.5	17.6
50°-60°	5605.4	23.5
60°-70°	5449.1	22.9
70°-80°	2978.8	12.5
80°-90°	302.9	1.3
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°	23826.0	100.0
0°-180°	23826.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317030

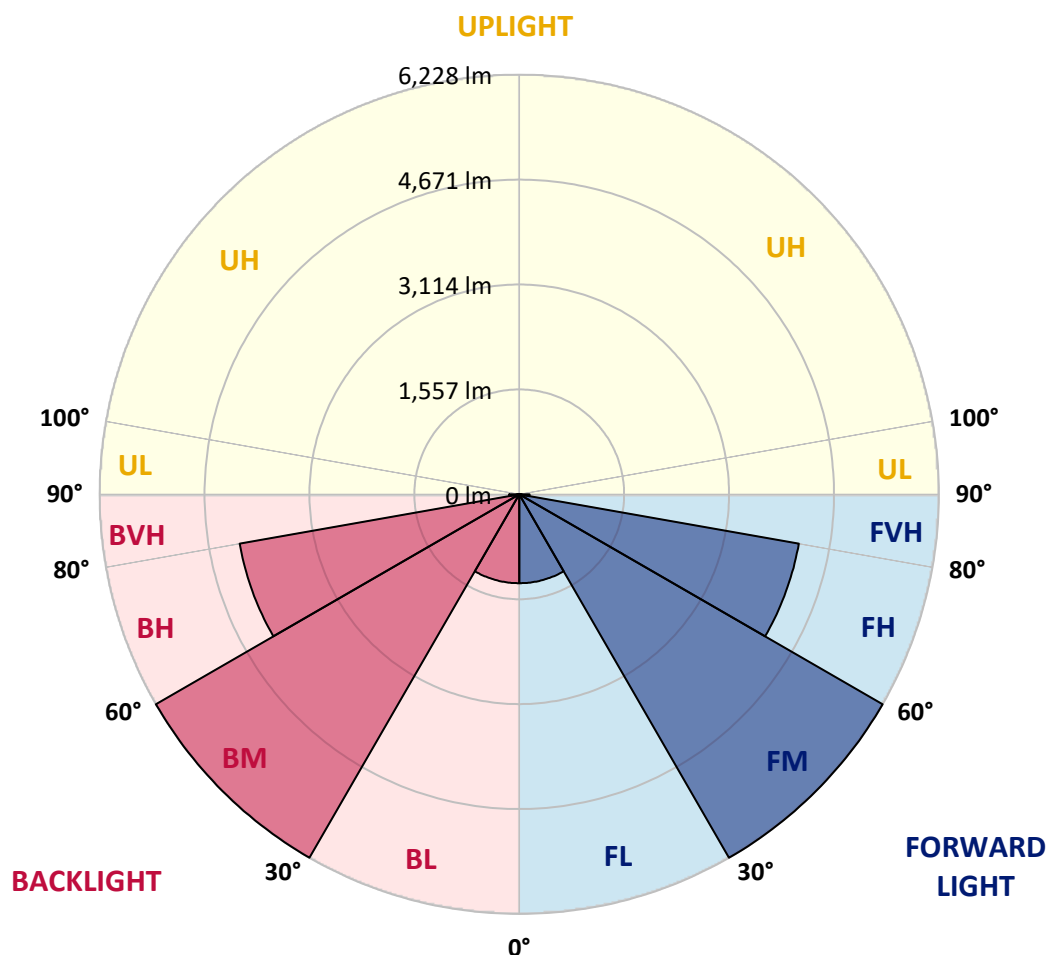
CATALOG NUMBER: GAN-SA6A-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1319.1	5.5			
FM	(30°-60°)	6228.5	26.1			
FH	(60°-80°)	4213.9	17.7			G2/5000
FVH	(80°-90°)	151.5	0.6			G2/225
BL	(0°-30°)	1319.1	5.5	B3/2500		
BM	(30°-60°)	6228.5	26.1	B4/8500		
BH	(60°-80°)	4213.9	17.7	B4/5000		G4/5000
BVH	(80°-90°)	151.5	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





REPORT NUMBER: P317030

CATALOG NUMBER: GAN-SA6A-727-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2477.3	2477.3	2477.3	2477.3	2477.3	2477.3	2477.3	2477.3	2477.3	2477.3	2477.3
2.5°	2459.8	2460.6	2464.6	2469.4	2473.3	2483.7	2486.1	2490.1	2491.7	2495.7	2495.7
5°	2438.2	2439.8	2449.4	2462.2	2476.5	2502.1	2520.5	2541.3	2551.6	2562.8	2562.0
7.5°	2435.8	2439.8	2453.4	2474.1	2498.1	2540.5	2578.8	2620.3	2648.3	2673.9	2672.3
10°	2460.6	2467.0	2486.1	2517.3	2553.2	2606.0	2662.7	2718.6	2767.3	2806.5	2808.1
12.5°	2498.1	2506.1	2536.5	2583.6	2637.9	2705.8	2772.9	2836.0	2903.1	2961.5	2966.3
15°	2547.6	2558.0	2603.6	2673.9	2757.0	2837.6	2909.5	2974.3	3051.7	3132.4	3140.4
17.5°	2621.1	2635.5	2695.4	2790.5	2900.0	2988.6	3063.7	3112.5	3177.2	3260.3	3275.4
20°	2733.0	2751.4	2827.3	2940.7	3074.1	3166.8	3224.3	3234.7	3266.6	3340.9	3358.5
22.5°	2878.4	2894.4	2979.0	3114.1	3263.4	3364.1	3394.5	3352.9	3349.7	3409.6	3426.4
25°	3040.6	3054.9	3153.2	3305.0	3465.6	3576.6	3575.8	3495.1	3439.2	3485.5	3503.1
27.5°	3222.7	3245.1	3339.3	3499.1	3670.9	3780.3	3773.9	3649.3	3543.1	3555.0	3570.2
30°	3432.0	3456.8	3548.6	3710.8	3882.6	3989.6	3981.6	3817.1	3657.3	3625.3	3636.5
32.5°	3691.6	3721.2	3808.3	3968.1	4119.9	4216.5	4193.3	3999.2	3794.7	3725.2	3735.6
35°	4004.0	4021.6	4113.5	4270.8	4393.9	4460.2	4411.4	4210.1	3968.9	3885.0	3885.0
37.5°	4320.4	4334.0	4437.0	4589.6	4708.6	4743.8	4648.7	4441.0	4196.5	4077.5	4079.9
40°	4623.9	4660.7	4776.5	4933.1	5050.6	5060.1	4933.9	4704.6	4449.8	4326.8	4341.1
42.5°	4941.1	4977.1	5115.3	5292.6	5396.5	5412.4	5264.7	5000.2	4735.8	4635.9	4651.9
45°	5223.9	5252.7	5412.4	5618.6	5748.0	5789.5	5614.6	5339.0	5045.0	4947.5	4951.5
47.5°	5421.2	5458.8	5634.5	5877.4	6065.9	6129.8	5958.1	5668.9	5349.3	5231.1	5241.5
50°	5600.2	5620.2	5798.3	6063.5	6303.2	6435.0	6288.0	5994.8	5656.9	5531.5	5542.7
52.5°	5700.0	5725.6	5898.2	6174.6	6458.2	6670.7	6581.2	6288.0	5954.1	5831.9	5845.4
55°	5630.5	5649.7	5856.6	6199.4	6554.1	6816.1	6829.7	6574.8	6245.7	6138.6	6177.0
57.5°	5314.2	5338.2	5590.6	6039.6	6566.0	6914.4	7016.6	6840.9	6518.1	6431.0	6453.4
60°	4819.7	4834.9	5104.1	5609.0	6332.8	6955.1	7135.6	7058.2	6784.9	6697.9	6728.2
62.5°	3938.5	3960.9	4282.8	4959.5	5839.9	6834.5	7250.7	7237.9	7033.4	6953.5	6980.7
65°	2692.2	2731.4	3087.7	3943.3	5080.1	6465.4	7355.3	7447.2	7253.1	7152.4	7188.4
67.5°	1625.7	1654.5	1912.5	2603.6	3887.4	5720.8	7247.5	7685.3	7408.1	7245.9	7275.4
68°	1453.2	1479.5	1695.2	2349.5	3595.8	5510.7	7149.2	7712.4	7424.8	7244.3	7270.7
70°	878.0	895.6	1040.1	1452.4	2397.5	4371.5	6479.0	7690.1	7531.9	7266.7	7281.8
72.5°	572.0	577.6	601.6	745.4	1224.7	2444.6	4862.8	7166.0	7692.5	7396.9	7394.5
75°	475.3	472.1	474.5	491.3	604.0	1072.1	2841.6	5660.9	7333.0	7191.6	7141.2
77.5°	401.8	399.4	398.6	399.4	404.2	517.7	1233.5	3526.3	5611.4	6361.5	6406.3
80°	325.1	322.0	332.3	327.5	313.2	322.0	516.9	1466.8	2645.1	2845.6	2666.7
82.5°	236.5	224.5	269.2	256.4	244.5	226.9	285.2	473.7	631.1	433.0	304.4
85°	182.1	169.4	204.5	196.5	167.8	115.8	169.4	231.7	255.6	146.2	115.0
87.5°	74.3	78.3	147.8	116.6	98.3	55.9	69.5	92.7	124.6	62.3	47.9
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)