

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: P316314

Luminaire Tested: **GAN-SA0A-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38609 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

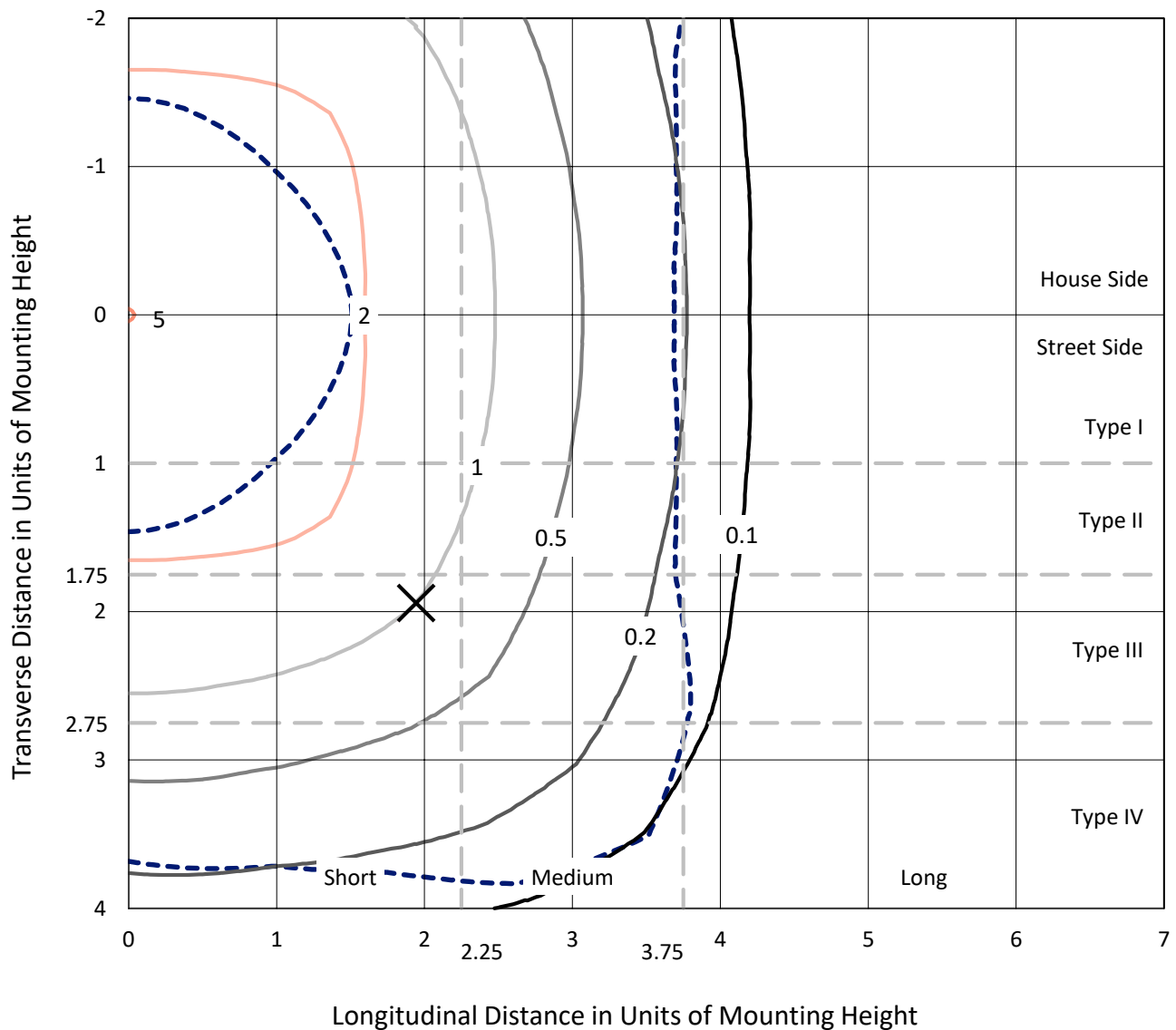
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

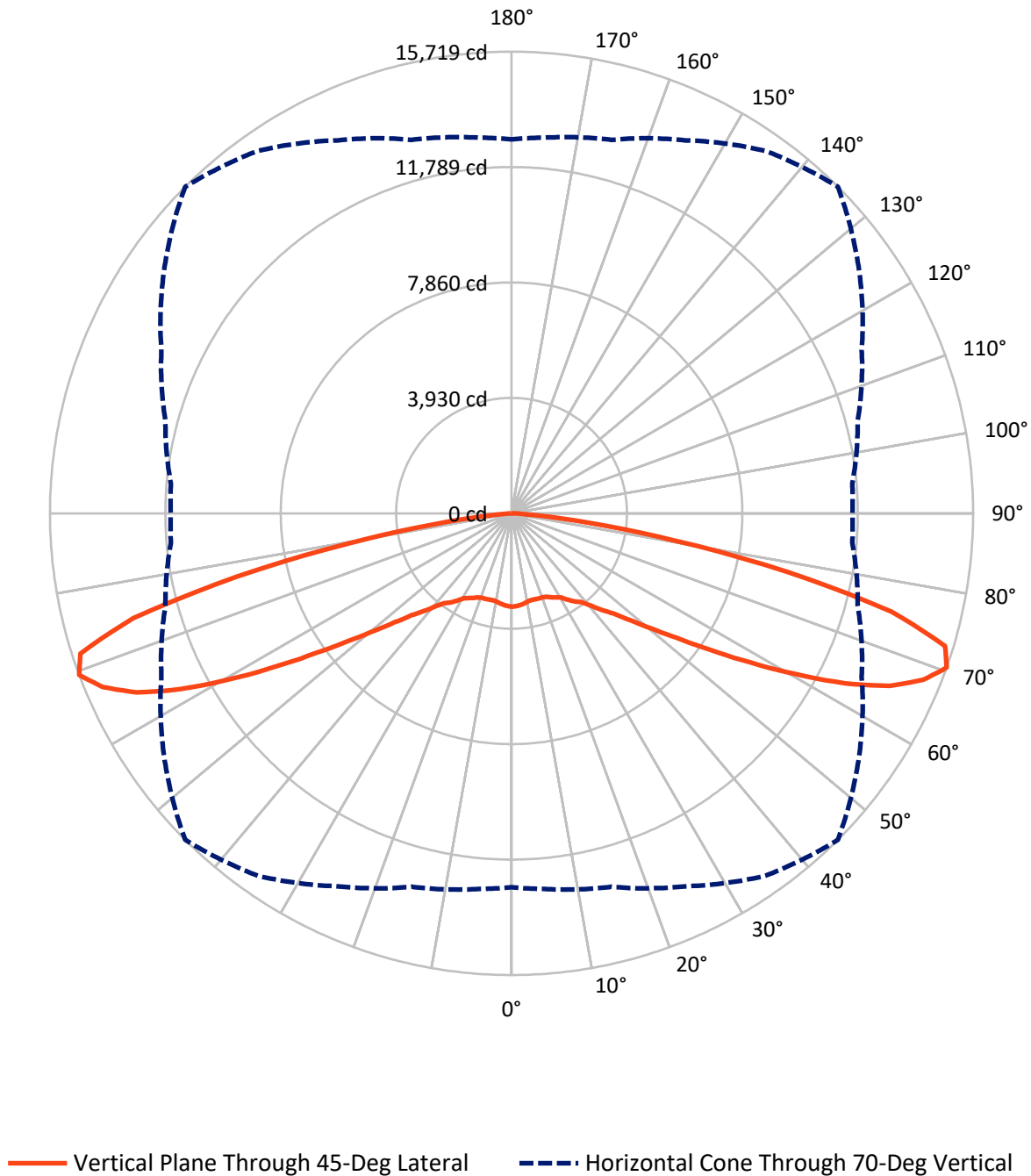
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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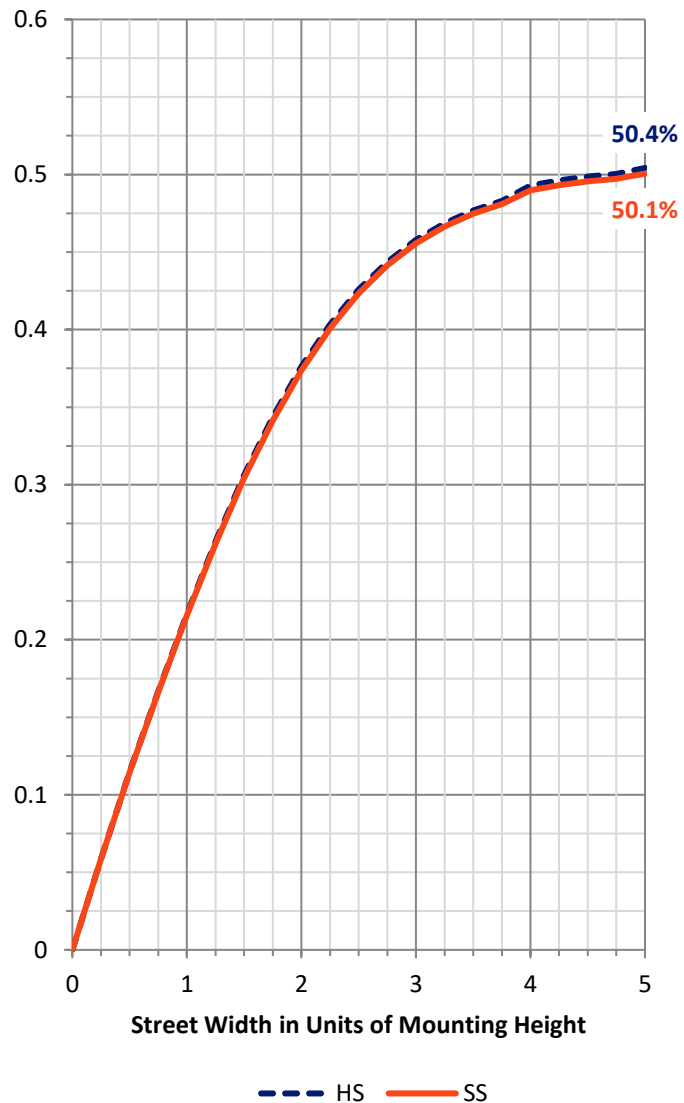
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19304.5	0.0	19304.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19304.5	0.0	19304.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38609.0	0.0	38609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.6	0.8
10°-20°	866.3	2.2
20°-30°	1477.0	3.8
30°-40°	2307.8	6.0
40°-50°	3911.3	10.1
50°-60°	7132.5	18.5
60°-70°	12279.1	31.8
70°-80°	9624.8	24.9
80°-90°	713.7	1.8
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°	38609.0	100.0
0°-180°	38609.0	100.0

Coefficient of Utilization



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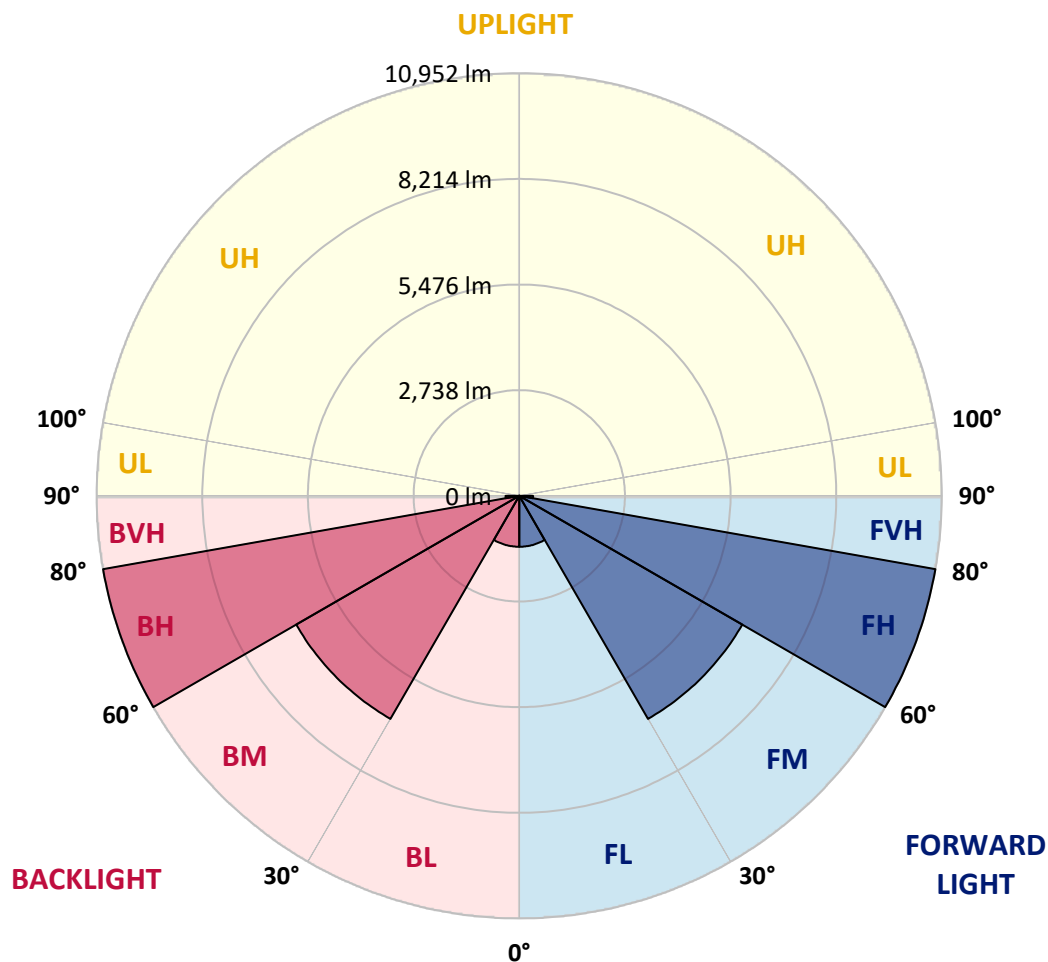
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1319.9	3.4			
FM	(30°-60°)	6675.8	17.3			
FH	(60°-80°)	10951.9	28.4			G4/12000
FVH	(80°-90°)	356.8	0.9			G3/500
BL	(0°-30°)	1319.9	3.4	B3/2500		
BM	(30°-60°)	6675.8	17.3	B4/8500		
BH	(60°-80°)	10951.9	28.4	B5		G4/12000
BVH	(80°-90°)	356.8	0.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5
2.5°	3163.5	3167.3	3163.5	3166.0	3159.6	3162.2	3162.2	3162.2	3160.9	3162.2	3159.6
5°	3135.4	3137.9	3132.8	3135.4	3131.5	3135.4	3136.7	3135.4	3132.8	3134.1	3129.0
7.5°	3093.2	3095.8	3092.0	3095.8	3090.7	3097.1	3095.8	3092.0	3088.1	3088.1	3083.0
10°	3070.2	3071.5	3061.3	3057.5	3046.0	3048.5	3052.4	3056.2	3060.0	3067.7	3066.4
12.5°	3071.5	3071.5	3056.2	3039.6	3023.0	3026.8	3033.2	3047.3	3062.6	3076.6	3077.9
15°	3084.3	3083.0	3060.0	3033.2	3021.7	3033.2	3037.0	3046.0	3070.2	3094.5	3095.8
17.5°	3093.2	3093.2	3057.5	3026.8	3025.5	3043.4	3042.1	3046.0	3072.8	3108.6	3109.8
20°	3109.8	3109.8	3063.9	3030.7	3030.7	3049.8	3051.1	3057.5	3084.3	3123.9	3130.3
22.5°	3146.9	3148.2	3099.6	3072.8	3075.4	3086.8	3090.7	3100.9	3125.2	3168.6	3176.2
25°	3199.2	3201.8	3152.0	3136.7	3145.6	3167.3	3164.8	3172.4	3199.2	3241.4	3249.0
27.5°	3272.0	3265.6	3219.7	3213.3	3222.2	3237.6	3236.3	3237.6	3259.3	3297.6	3306.5
30°	3366.5	3364.0	3330.8	3334.6	3330.8	3325.7	3327.0	3337.2	3348.7	3379.3	3388.3
32.5°	3458.5	3461.1	3440.6	3459.8	3487.9	3507.0	3477.7	3449.6	3436.8	3453.4	3461.1
35°	3624.5	3630.9	3599.0	3586.2	3624.5	3680.7	3597.7	3551.7	3577.3	3599.0	3605.4
37.5°	3906.8	3910.6	3857.0	3805.9	3777.8	3831.4	3748.4	3752.2	3841.6	3882.5	3881.2
40°	4228.6	4229.9	4194.1	4149.4	4100.9	4113.7	4080.5	4090.7	4149.4	4186.5	4196.7
42.5°	4611.8	4607.9	4551.7	4487.9	4473.8	4486.6	4430.4	4422.7	4490.4	4556.8	4558.1
45°	5108.6	5099.6	5026.8	4956.6	4888.9	4860.8	4846.7	4883.8	4977.0	5038.3	5039.6
47.5°	5643.7	5619.4	5581.1	5524.9	5466.2	5438.1	5415.1	5433.0	5500.6	5524.9	5527.5
50°	6194.1	6199.2	6206.9	6185.2	6163.5	6154.5	6094.5	6060.0	6080.5	6035.8	6029.4
52.5°	6846.8	6857.0	6931.0	6993.6	7030.7	7049.8	6936.2	6817.4	6751.0	6664.1	6638.6
55°	7616.9	7633.5	7742.0	7915.7	8094.5	8189.0	7983.4	7761.2	7555.6	7393.4	7341.0
57.5°	8475.1	8504.5	8653.9	8987.2	9353.8	9577.3	9229.9	8826.3	8429.1	8195.4	8154.5
60°	9481.5	9509.6	9716.5	10194.1	10788.0	11123.9	10597.7	9937.4	9443.2	9219.7	9144.3
62.5°	10679.5	10682.0	10936.2	11494.3	12278.4	12745.9	12033.2	11150.7	10641.1	10371.7	10298.9
65°	11968.1	11974.5	12237.6	12840.4	13651.4	14159.7	13355.1	12435.5	11812.3	11415.1	11358.9
67.5°	12878.7	12905.5	13182.6	13908.1	14666.7	15125.2	14292.5	13252.9	12532.6	12058.8	12011.5
70°	12733.1	12837.8	13163.5	14010.2	15065.2	15719.0	14444.5	13155.8	12205.6	11646.2	11606.7
72.5°	11104.7	11305.2	11739.5	12850.6	14537.7	15438.1	13615.6	11782.9	10707.5	10231.2	10159.7
75°	7561.9	7887.6	8542.8	10145.6	12420.2	13366.6	11462.3	9394.6	8383.2	7724.1	7675.6
77.5°	3371.7	3445.7	4275.9	6121.3	8570.9	9599.0	8328.2	6145.6	4613.0	3679.4	3482.8
80°	940.0	951.5	1269.5	2279.7	4289.9	5639.9	4605.4	2394.6	1346.1	948.9	894.0
82.5°	298.9	324.4	395.9	591.3	1441.9	2573.4	1480.2	638.6	454.7	362.7	326.9
85°	145.6	144.3	200.5	240.1	367.8	569.6	392.1	296.3	259.3	172.4	155.8
87.5°	61.3	62.6	93.2	84.3	107.3	92.0	126.4	132.8	139.2	76.6	66.4
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)