

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: P316949

Luminaire Tested: **GAN-SA5A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19092 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

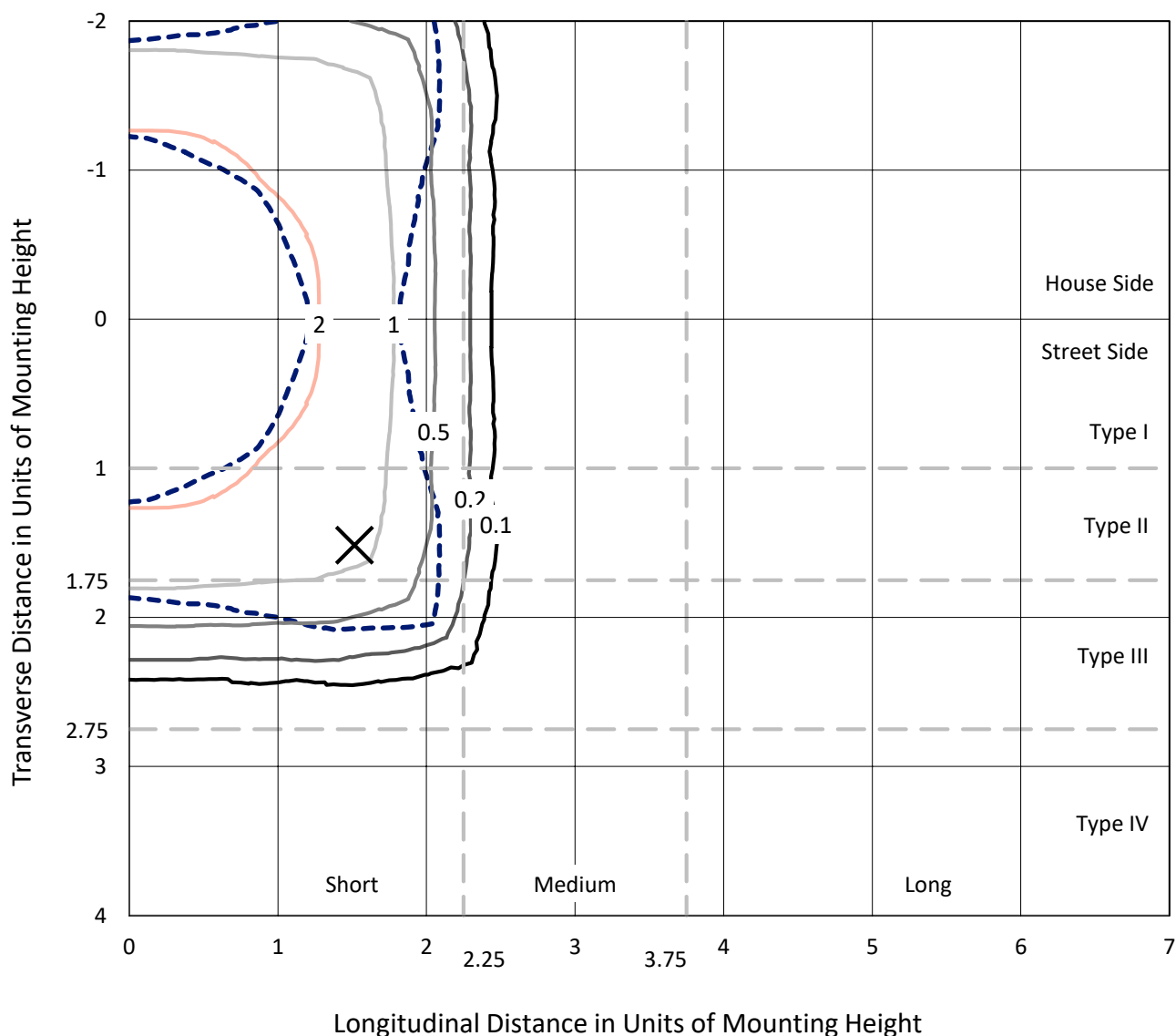
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

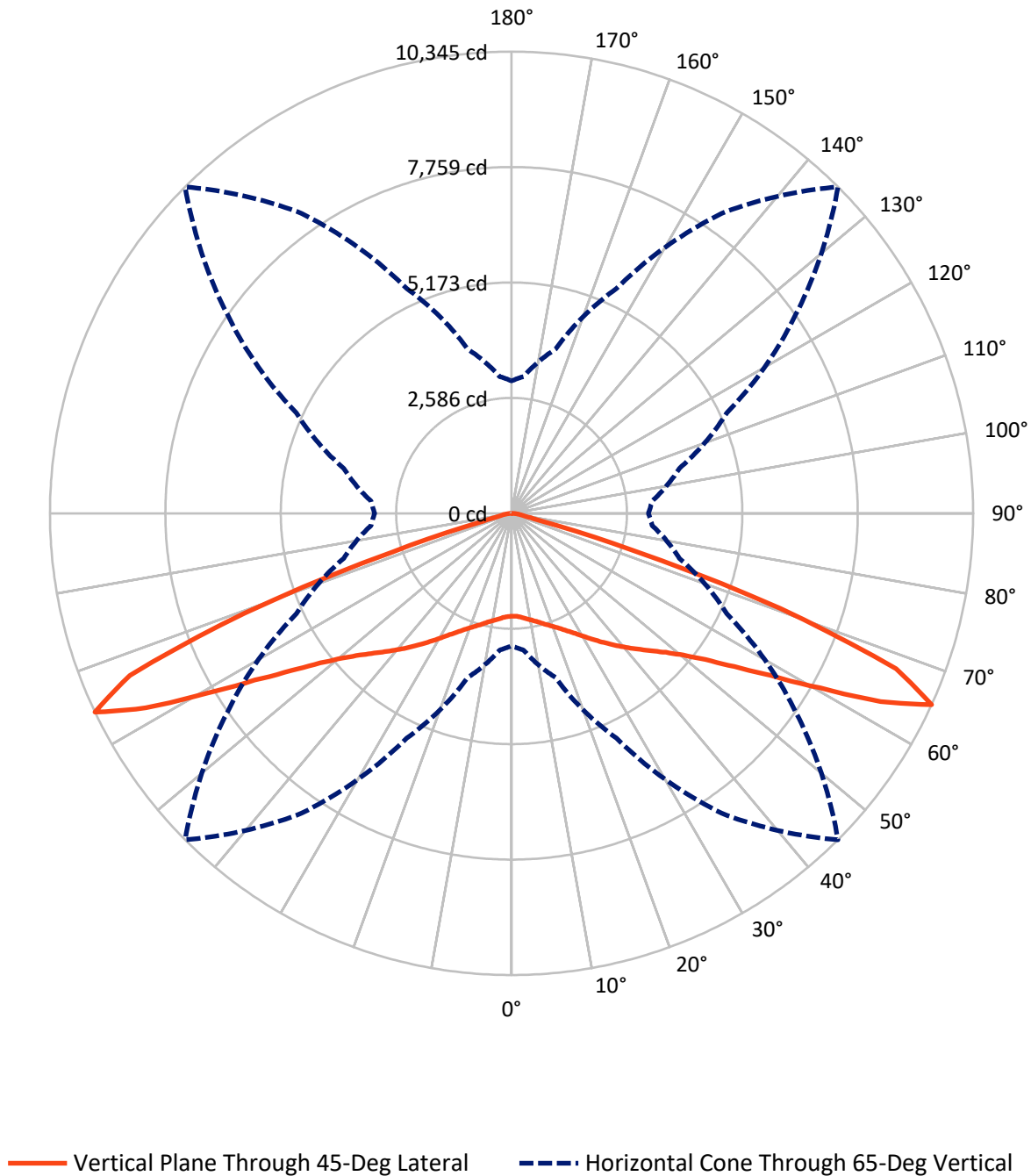
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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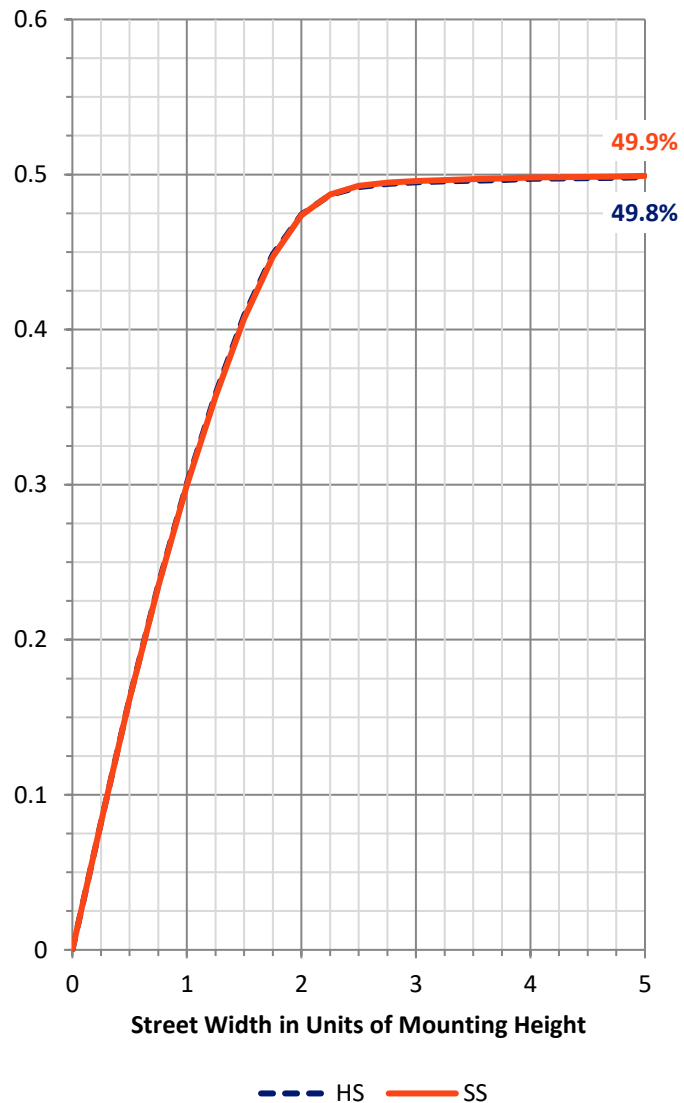
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9546.0	0.0	9546.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9546.0	0.0	9546.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19092.0	0.0	19092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	1.2
10°-20°	727.1	3.8
20°-30°	1364.2	7.1
30°-40°	2256.1	11.8
40°-50°	3494.4	18.3
50°-60°	5359.4	28.1
60°-70°	5000.9	26.2
70°-80°	582.0	3.0
80°-90°	81.8	0.4
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°	19092.0	100.0
0°-180°	19092.0	100.0

Coefficient of Utilization



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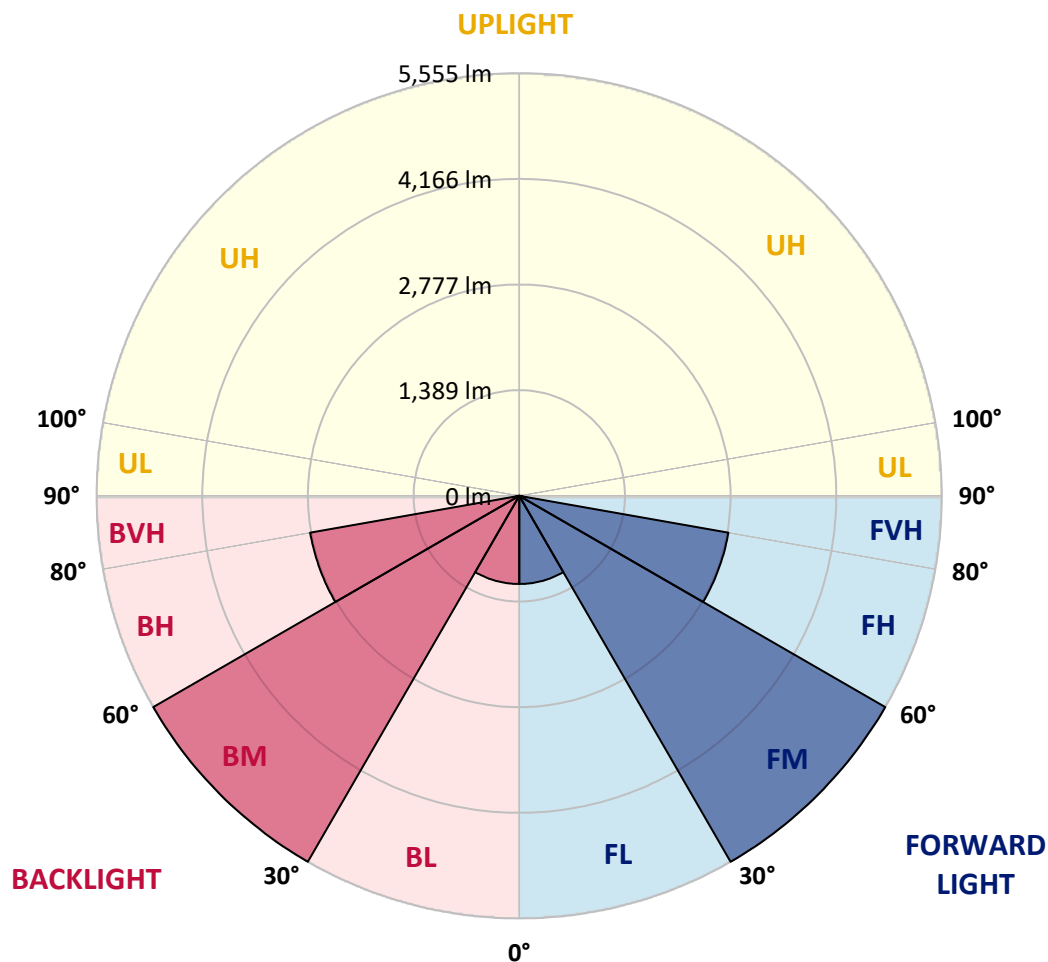
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1158.7	6.1			
FM	(30°-60°)	5554.9	29.1			
FH	(60°-80°)	2791.5	14.6			G2/5000
FVH	(80°-90°)	40.9	0.2			G1/100
BL	(0°-30°)	1158.7	6.1	B3/2500		
BM	(30°-60°)	5554.9	29.1	B4/8500		
BH	(60°-80°)	2791.5	14.6	B4/5000		G2/5000
BVH	(80°-90°)	40.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6
2.5°	2313.2	2311.9	2313.2	2313.8	2310.0	2311.9	2311.3	2314.5	2315.7	2314.5	2314.5
5°	2339.8	2337.9	2340.5	2343.6	2338.6	2339.8	2337.9	2341.7	2343.0	2340.5	2342.4
7.5°	2376.6	2377.2	2379.8	2385.5	2382.3	2384.8	2381.0	2381.7	2381.0	2377.2	2377.8
10°	2416.5	2417.1	2421.6	2429.2	2430.5	2430.5	2427.9	2426.0	2423.5	2420.9	2421.6
12.5°	2464.7	2467.8	2471.0	2480.5	2480.5	2485.6	2484.3	2479.2	2474.8	2471.0	2471.0
15°	2530.0	2529.3	2533.1	2542.6	2547.1	2555.3	2555.3	2548.3	2542.6	2538.8	2537.6
17.5°	2598.4	2600.3	2602.8	2614.2	2621.2	2630.7	2632.0	2626.3	2622.5	2617.4	2614.2
20°	2678.2	2681.4	2691.6	2696.0	2702.3	2711.2	2714.4	2713.1	2709.3	2706.8	2707.4
22.5°	2771.4	2779.6	2786.0	2792.3	2799.9	2806.3	2809.4	2813.9	2810.1	2808.2	2806.9
25°	2884.2	2889.9	2902.6	2914.0	2919.1	2921.0	2924.8	2931.1	2930.5	2926.0	2926.0
27.5°	3012.2	3023.0	3038.9	3055.3	3055.3	3049.0	3061.7	3072.4	3068.6	3062.9	3055.3
30°	3167.5	3177.6	3196.0	3218.8	3207.4	3203.0	3220.1	3239.8	3234.1	3224.5	3223.3
32.5°	3334.8	3344.3	3368.4	3393.1	3378.5	3372.2	3390.6	3419.1	3409.0	3390.0	3378.5
35°	3516.1	3525.6	3559.8	3589.6	3564.9	3554.1	3569.3	3600.4	3582.6	3547.1	3538.3
37.5°	3713.2	3718.2	3762.6	3793.0	3775.9	3747.4	3766.4	3789.2	3774.0	3730.9	3713.8
40°	3917.9	3936.3	3987.6	4023.1	3993.3	3948.3	3980.0	4011.7	3988.9	3933.7	3904.6
42.5°	4156.8	4170.7	4239.2	4270.9	4222.7	4159.3	4202.4	4245.5	4222.7	4169.5	4144.1
45°	4405.2	4426.8	4508.5	4540.2	4470.5	4390.0	4442.6	4518.0	4516.1	4439.5	4412.8
47.5°	4675.8	4697.4	4795.0	4836.8	4761.4	4653.7	4727.8	4834.3	4826.7	4742.4	4720.8
50°	4988.3	5011.1	5132.8	5185.4	5115.0	4989.6	5101.1	5194.9	5180.9	5077.0	5078.9
52.5°	5380.6	5379.3	5530.8	5622.0	5549.8	5438.9	5541.6	5632.8	5575.1	5431.3	5426.8
55°	5724.1	5745.0	5932.6	6105.6	6101.2	6058.7	6099.9	6103.7	5938.9	5747.5	5724.1
57.5°	5949.7	5989.6	6253.9	6567.0	6801.5	6857.9	6778.0	6535.9	6150.0	5843.9	5806.5
60°	5810.9	5871.7	6286.8	6925.0	7615.8	7947.3	7496.7	6745.7	5985.8	5559.3	5508.6
62.5°	4874.2	4976.9	5584.6	6752.0	8316.8	9285.8	8017.6	6409.2	5333.0	4745.6	4658.7
65°	2968.5	3076.9	3809.5	5557.4	8203.3	10345.4	7780.0	5319.7	3892.5	3161.8	3068.0
67.5°	989.3	1021.0	1452.6	3071.8	6447.2	9295.3	6458.0	3184.6	1694.0	1123.0	1090.1
70°	387.2	390.4	460.7	890.4	3044.6	6384.4	3359.5	906.3	481.7	380.9	389.1
72.5°	284.6	285.8	305.5	372.0	793.5	2812.6	822.0	373.9	297.2	266.8	266.8
75°	228.8	228.8	242.7	271.2	355.5	645.2	360.6	268.1	232.6	212.9	210.4
77.5°	180.6	184.4	195.2	213.6	240.8	310.5	249.7	212.3	187.6	169.2	165.4
80°	134.4	138.2	155.9	164.8	173.0	215.5	184.4	166.0	148.3	126.8	122.9
82.5°	88.1	91.9	114.1	119.1	117.2	140.7	124.2	122.3	109.0	81.8	78.0
85°	57.7	58.9	76.1	79.2	72.9	64.0	79.2	83.7	76.1	53.2	51.3
87.5°	27.3	27.3	38.7	36.1	33.0	26.6	36.1	42.5	43.1	26.0	25.4
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)