

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: P316950

Luminaire Tested: **GAN-SA6A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316950
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-SA6A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 22847 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

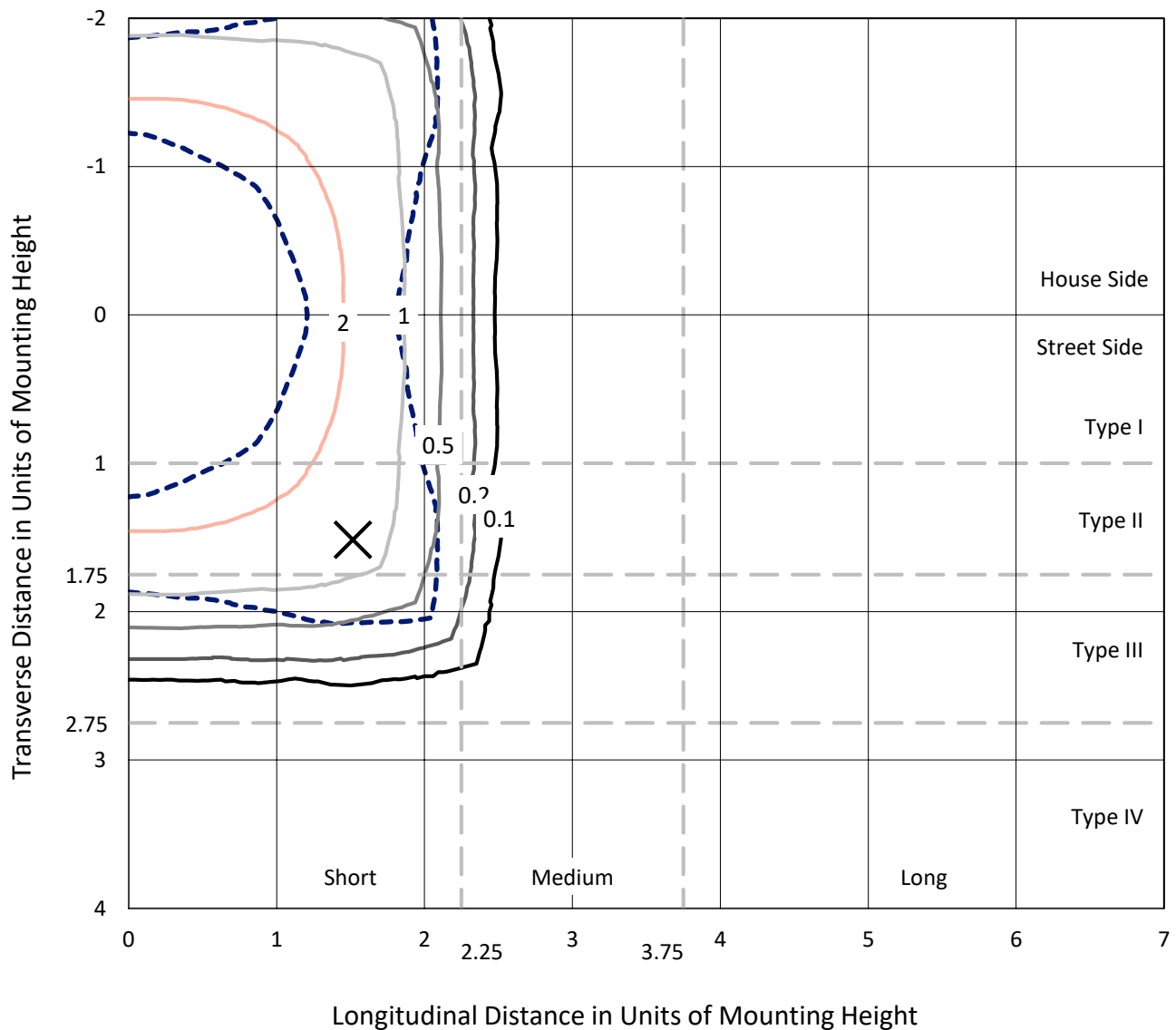
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

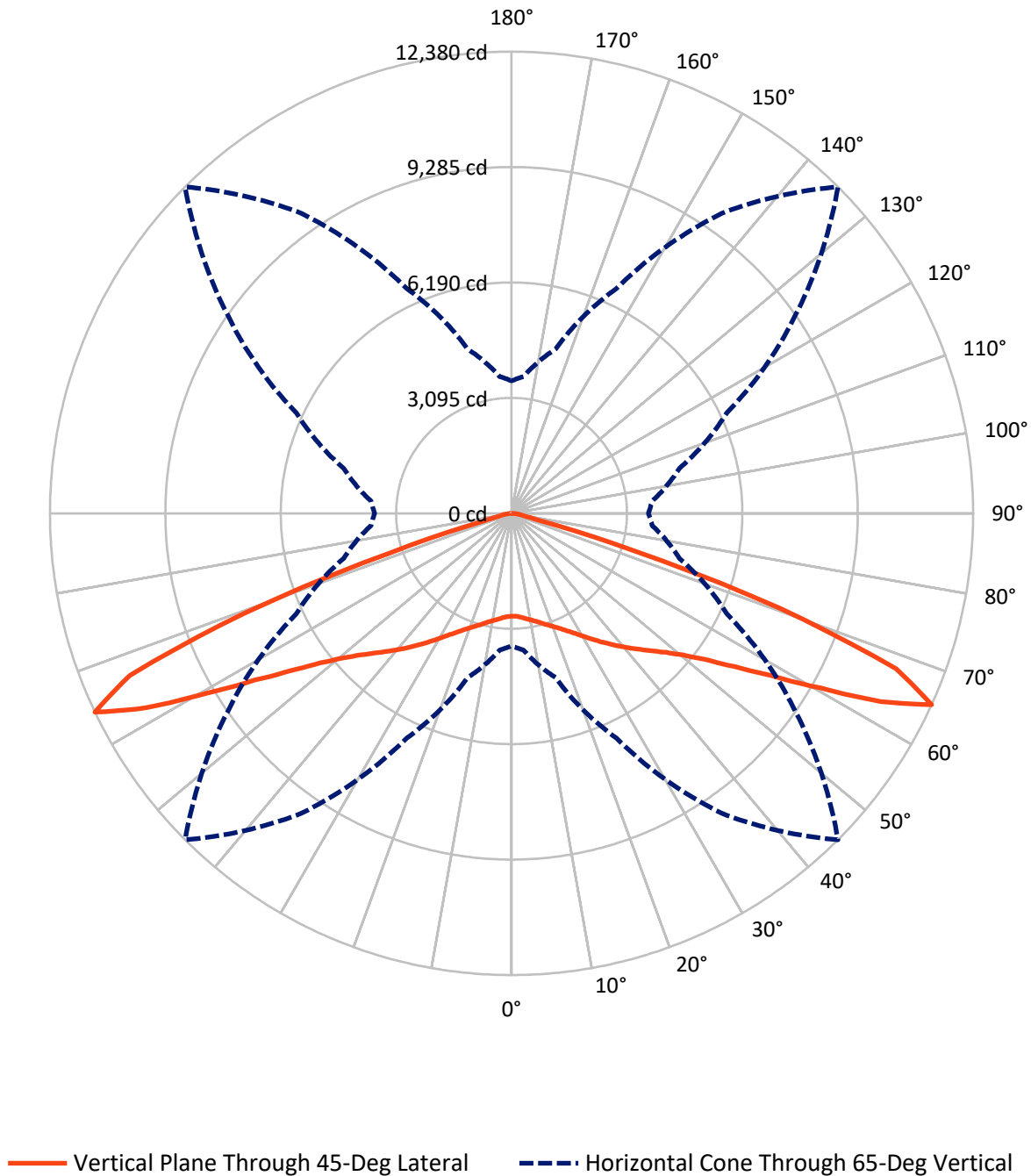
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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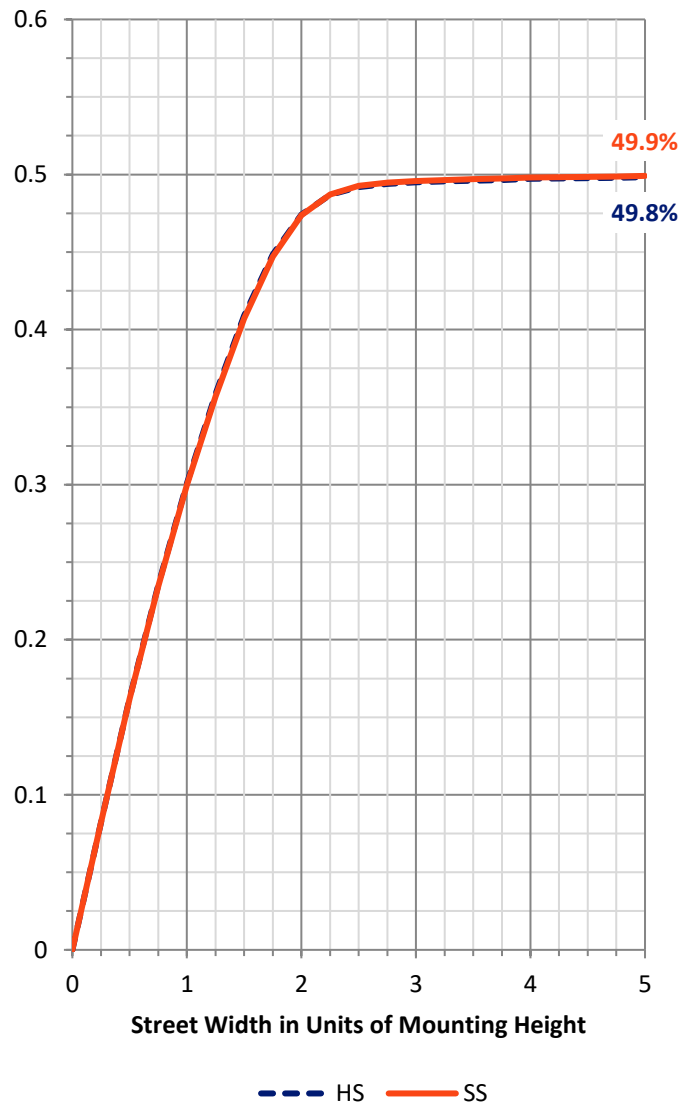
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11423.5	0.0	11423.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11423.5	0.0	11423.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22847.0	0.0	22847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.7	1.2
10°-20°	870.1	3.8
20°-30°	1632.5	7.1
30°-40°	2699.8	11.8
40°-50°	4181.6	18.3
50°-60°	6413.4	28.1
60°-70°	5984.5	26.2
70°-80°	696.5	3.0
80°-90°	97.9	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°	22847.0	100.0
0°-180°	22847.0	100.0

Coefficient of Utilization



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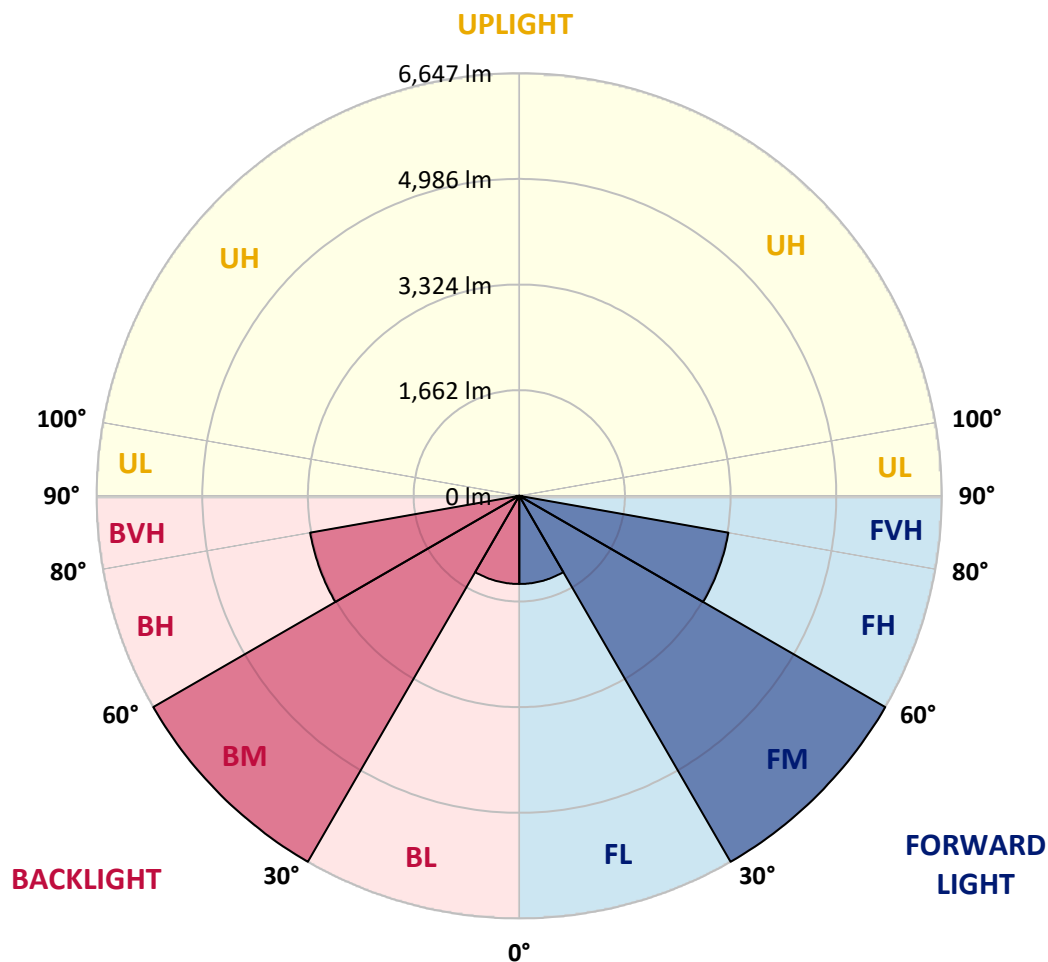
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1386.6	6.1			
FM	(30°-60°)	6647.4	29.1			
FH	(60°-80°)	3340.5	14.6			G2/5000
FVH	(80°-90°)	48.9	0.2			G1/100
BL	(0°-30°)	1386.6	6.1	B3/2500		
BM	(30°-60°)	6647.4	29.1	B4/8500		
BH	(60°-80°)	3340.5	14.6	B4/5000		G2/5000
BVH	(80°-90°)	48.9	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°	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1
2.5°	2768.2	2766.6	2768.2	2768.9	2764.4	2766.6	2765.9	2769.7	2771.2	2769.7	2769.7
5°	2800.0	2797.7	2800.8	2804.6	2798.5	2800.0	2797.7	2802.3	2803.8	2800.8	2803.1
7.5°	2844.0	2844.8	2847.8	2854.6	2850.8	2853.9	2849.3	2850.1	2849.3	2844.8	2845.5
10°	2891.8	2892.5	2897.9	2907.0	2908.5	2908.5	2905.4	2903.2	2900.1	2897.1	2897.9
12.5°	2949.4	2953.2	2957.0	2968.4	2968.4	2974.5	2972.9	2966.9	2961.6	2957.0	2957.0
15°	3027.5	3026.8	3031.3	3042.7	3048.0	3057.9	3057.9	3049.5	3042.7	3038.2	3036.6
17.5°	3109.4	3111.7	3114.8	3128.4	3136.7	3148.1	3149.6	3142.8	3138.3	3132.2	3128.4
20°	3205.0	3208.8	3220.9	3226.2	3233.8	3244.4	3248.2	3246.7	3242.2	3239.1	3239.9
22.5°	3316.5	3326.3	3333.9	3341.5	3350.6	3358.2	3362.0	3367.3	3362.8	3360.5	3359.0
25°	3451.5	3458.3	3473.5	3487.1	3493.2	3495.5	3500.0	3507.6	3506.8	3501.5	3501.5
27.5°	3604.7	3617.6	3636.5	3656.3	3656.3	3648.7	3663.8	3676.7	3672.2	3665.4	3656.3
30°	3790.5	3802.6	3824.6	3851.9	3838.3	3833.0	3853.4	3876.9	3870.1	3858.7	3857.2
32.5°	3990.7	4002.1	4030.9	4060.5	4043.0	4035.5	4057.4	4091.6	4079.4	4056.7	4043.0
35°	4207.6	4219.0	4259.9	4295.6	4266.0	4253.1	4271.3	4308.5	4287.2	4244.8	4234.2
37.5°	4443.5	4449.5	4502.6	4539.0	4518.6	4484.4	4507.2	4534.5	4516.3	4464.7	4444.2
40°	4688.4	4710.4	4771.9	4814.3	4778.7	4724.8	4762.8	4800.7	4773.4	4707.4	4672.5
42.5°	4974.4	4991.0	5072.9	5110.9	5053.2	4977.4	5029.0	5080.5	5053.2	4989.5	4959.2
45°	5271.6	5297.4	5395.3	5433.2	5349.8	5253.4	5316.4	5406.6	5404.4	5312.6	5280.7
47.5°	5595.5	5621.3	5738.1	5788.1	5697.9	5568.9	5657.7	5785.1	5776.0	5675.1	5649.3
50°	5969.4	5996.7	6142.3	6205.2	6121.1	5970.9	6104.4	6216.6	6199.9	6075.6	6077.8
52.5°	6438.8	6437.3	6618.6	6727.8	6641.3	6508.6	6631.5	6740.7	6671.7	6499.5	6494.2
55°	6849.9	6874.9	7099.4	7306.4	7301.1	7250.3	7299.6	7304.2	7107.0	6877.9	6849.9
57.5°	7119.9	7167.7	7483.9	7858.6	8139.2	8206.7	8111.1	7821.4	7359.5	6993.2	6948.5
60°	6953.8	7026.6	7523.3	8287.1	9113.7	9510.4	8971.1	8072.4	7163.1	6652.7	6592.0
62.5°	5832.9	5955.7	6683.0	8080.0	9952.5	11112.1	9594.5	7669.7	6381.9	5678.9	5575.0
65°	3552.4	3682.0	4558.8	6650.4	9816.7	12380.1	9310.1	6366.0	4658.1	3783.7	3671.4
67.5°	1183.9	1221.8	1738.3	3676.0	7715.2	11123.5	7728.1	3811.0	2027.2	1343.9	1304.5
70°	463.4	467.2	551.4	1065.6	3643.4	7640.1	4020.3	1084.5	576.4	455.8	465.7
72.5°	340.5	342.0	365.5	445.2	949.5	3365.8	983.6	447.5	355.7	319.3	319.3
75°	273.8	273.8	290.5	324.6	425.5	772.1	431.5	320.8	278.3	254.8	251.8
77.5°	216.1	220.7	233.6	255.6	288.2	371.6	298.8	254.1	224.5	202.5	197.9
80°	160.8	165.3	186.6	197.2	207.0	257.9	220.7	198.7	177.5	151.7	147.1
82.5°	105.4	110.0	136.5	142.6	140.3	168.4	148.6	146.4	130.4	97.8	93.3
85°	69.0	70.5	91.0	94.8	87.2	76.6	94.8	100.1	91.0	63.7	61.4
87.5°	32.6	32.6	46.3	43.2	39.4	31.9	43.2	50.8	51.6	31.1	30.3
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)