

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: P316737

Luminaire Tested: **GAN-SA3D-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316737
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-SA3D-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20434 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

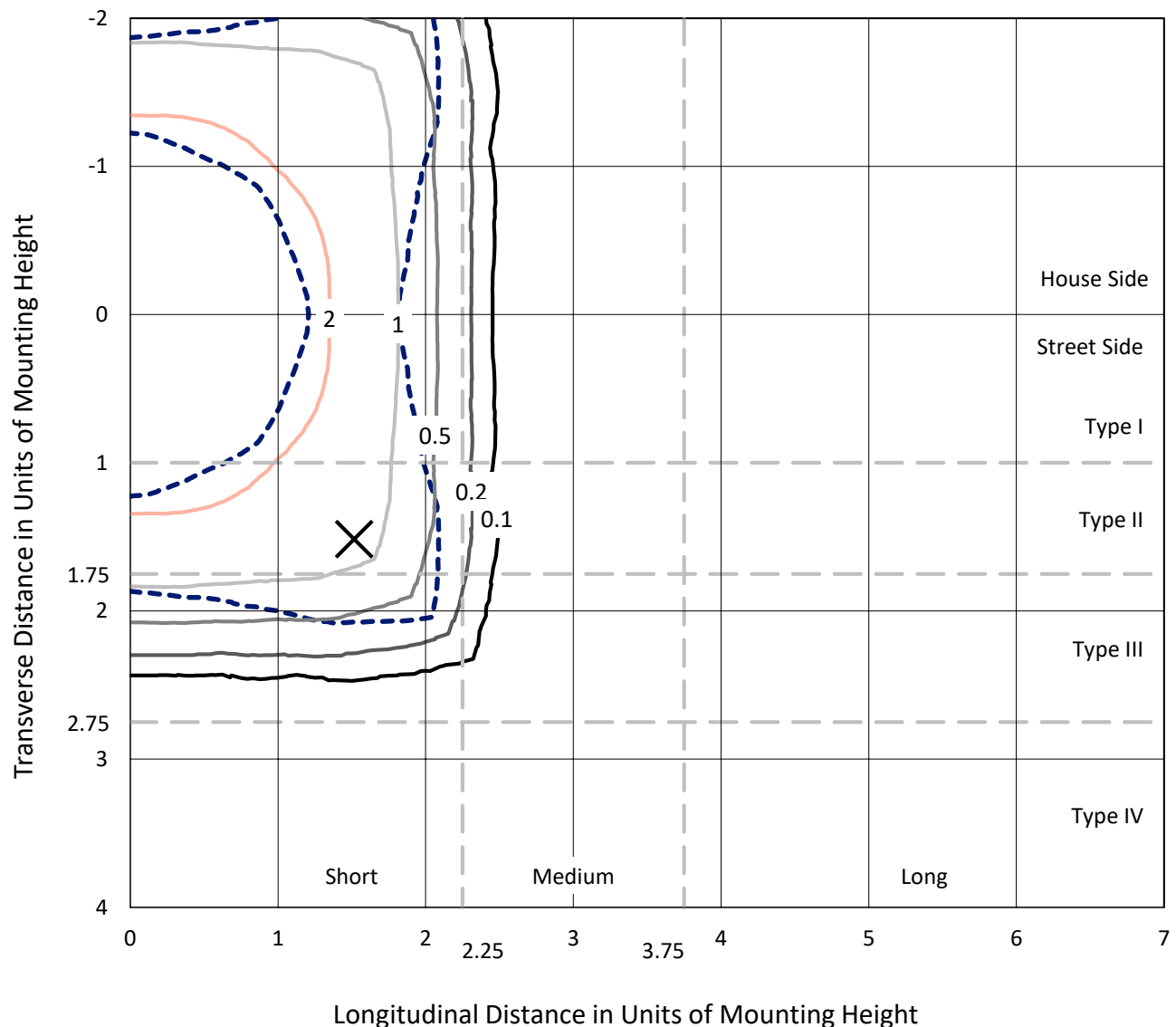
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

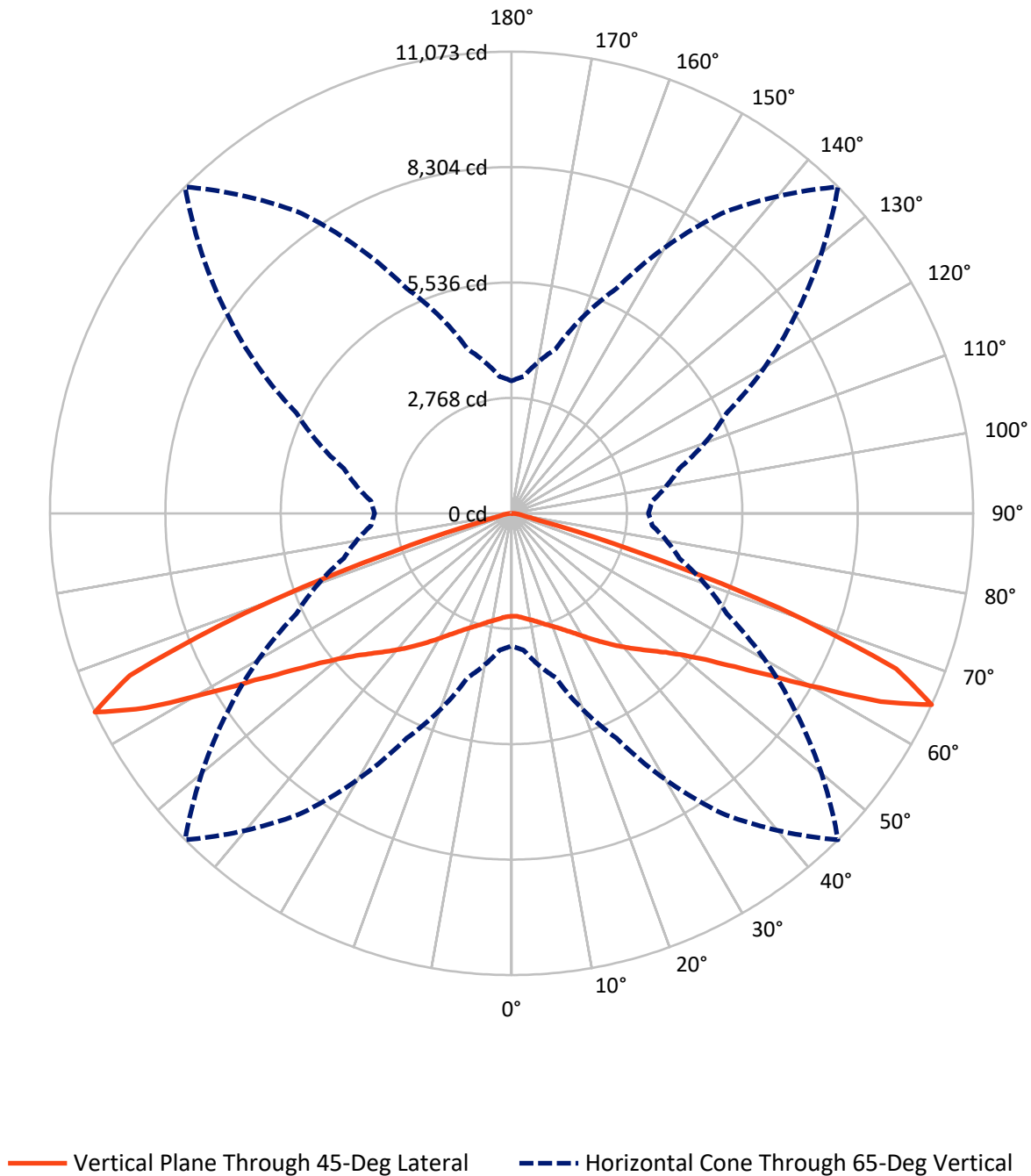
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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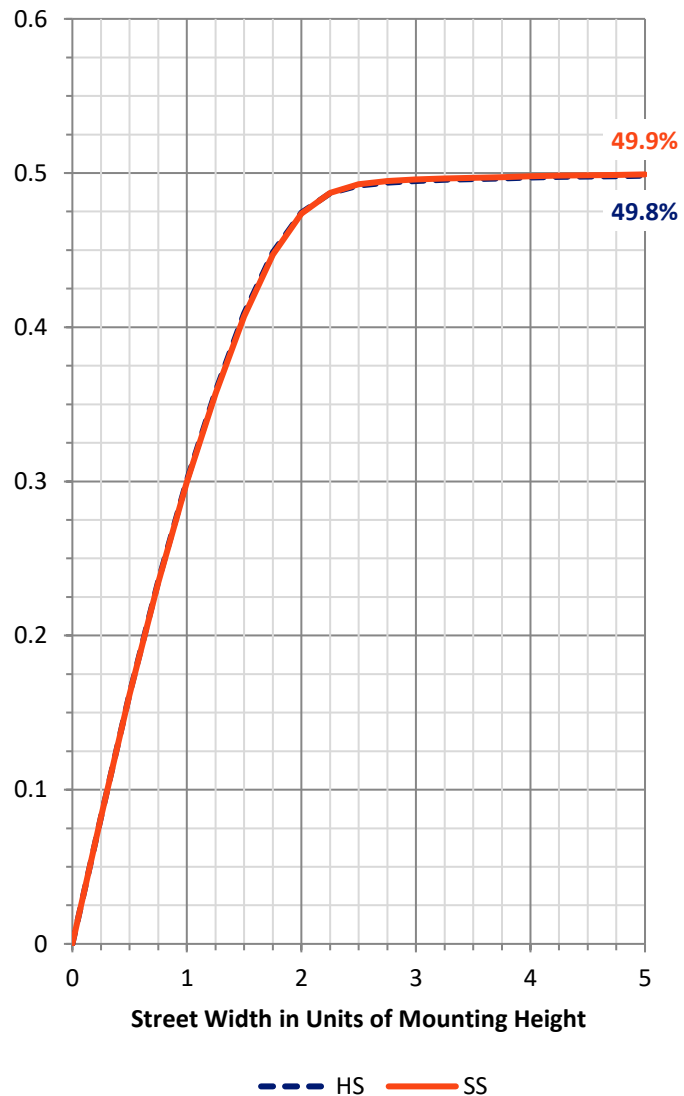
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10217.0	0.0	10217.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10217.0	0.0	10217.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20434.0	0.0	20434.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	1.2
10°-20°	778.2	3.8
20°-30°	1460.1	7.1
30°-40°	2414.7	11.8
40°-50°	3740.0	18.3
50°-60°	5736.1	28.1
60°-70°	5352.4	26.2
70°-80°	622.9	3.0
80°-90°	87.5	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°	20434.0	100.0
0°-180°	20434.0	100.0

Coefficient of Utilization



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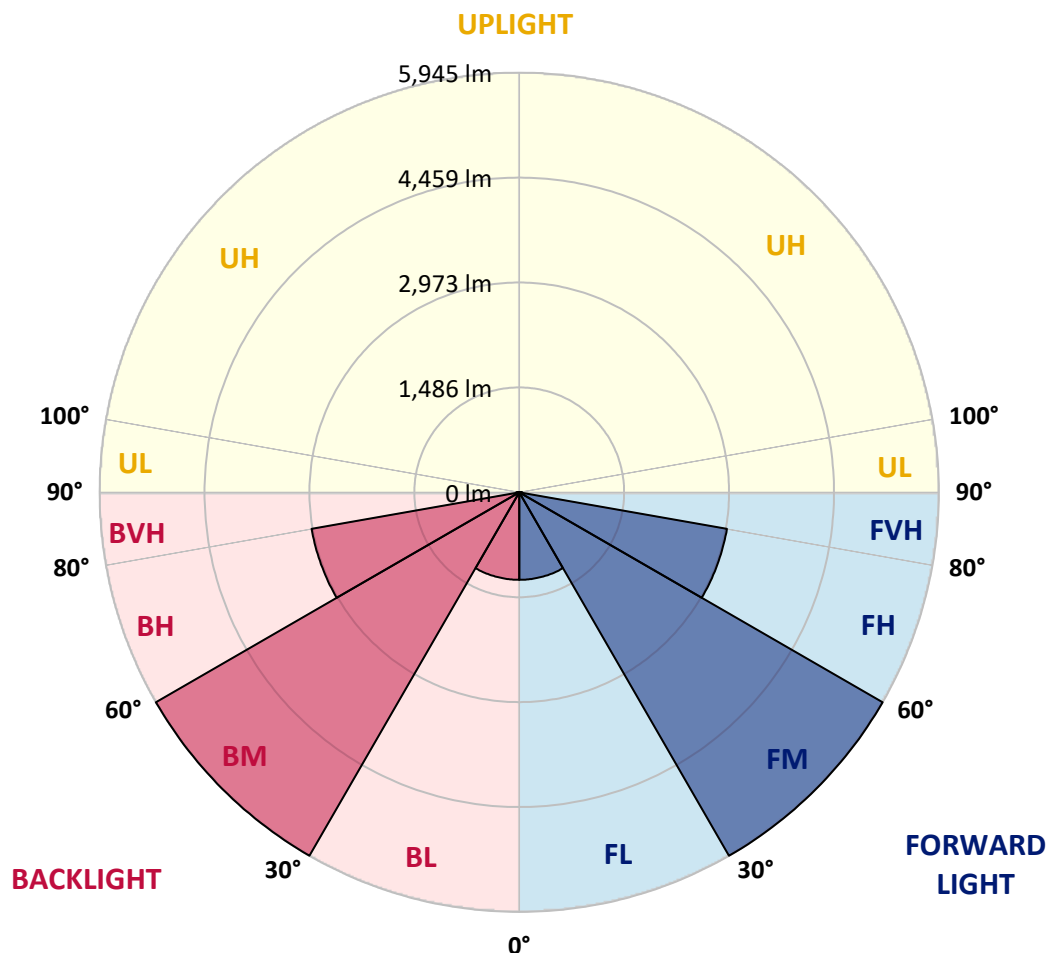
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1240.2	6.1			
FM	(30°-60°)	5945.4	29.1			
FH	(60°-80°)	2987.7	14.6			G2/5000
FVH	(80°-90°)	43.8	0.2			G1/100
BL	(0°-30°)	1240.2	6.1	B3/2500		
BM	(30°-60°)	5945.4	29.1	B4/8500		
BH	(60°-80°)	2987.7	14.6	B4/5000		G2/5000
BVH	(80°-90°)	43.8	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°	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7	2467.7
2.5°	2475.8	2474.4	2475.8	2476.5	2472.4	2474.4	2473.8	2477.2	2478.5	2477.2	2477.2
5°	2504.3	2502.3	2505.0	2508.4	2502.9	2504.3	2502.3	2506.3	2507.7	2505.0	2507.0
7.5°	2543.6	2544.3	2547.0	2553.1	2549.7	2552.5	2548.4	2549.1	2548.4	2544.3	2545.0
10°	2586.4	2587.0	2591.8	2599.9	2601.3	2601.3	2598.6	2596.5	2593.8	2591.1	2591.8
12.5°	2637.9	2641.3	2644.7	2654.9	2654.9	2660.3	2658.9	2653.5	2648.8	2644.7	2644.7
15°	2707.8	2707.1	2711.2	2721.3	2726.1	2734.9	2734.9	2727.5	2721.3	2717.3	2715.9
17.5°	2781.0	2783.1	2785.8	2798.0	2805.5	2815.6	2817.0	2810.9	2806.8	2801.4	2798.0
20°	2866.5	2869.9	2880.8	2885.5	2892.3	2901.8	2905.2	2903.8	2899.7	2897.0	2897.7
22.5°	2966.2	2975.0	2981.8	2988.6	2996.7	3003.5	3006.9	3011.7	3007.6	3005.6	3004.2
25°	3087.0	3093.1	3106.6	3118.8	3124.3	3126.3	3130.4	3137.1	3136.5	3131.7	3131.7
27.5°	3224.0	3235.5	3252.5	3270.1	3270.1	3263.3	3276.9	3288.4	3284.3	3278.2	3270.1
30°	3390.2	3401.0	3420.7	3445.1	3432.9	3428.1	3446.5	3467.5	3461.4	3451.2	3449.8
32.5°	3569.2	3579.4	3605.2	3631.6	3616.0	3609.2	3628.9	3659.4	3648.6	3628.2	3616.0
35°	3763.2	3773.4	3810.0	3841.9	3815.5	3803.9	3820.2	3853.4	3834.4	3796.5	3787.0
37.5°	3974.2	3979.6	4027.1	4059.6	4041.3	4010.8	4031.2	4055.6	4039.3	3993.2	3974.9
40°	4193.3	4212.9	4267.9	4305.9	4274.0	4225.8	4259.7	4293.7	4269.2	4210.2	4179.0
42.5°	4449.0	4463.9	4537.2	4571.1	4519.5	4451.7	4497.8	4543.9	4519.5	4462.6	4435.4
45°	4714.9	4737.9	4825.4	4859.4	4784.7	4698.6	4754.9	4835.6	4833.6	4751.5	4723.0
47.5°	5004.5	5027.6	5132.0	5176.8	5096.1	4980.8	5060.1	5174.1	5166.0	5075.7	5052.7
50°	5338.9	5363.3	5493.6	5549.9	5474.6	5340.3	5459.7	5560.0	5545.1	5433.9	5435.9
52.5°	5758.8	5757.4	5919.5	6017.2	5939.9	5821.2	5931.1	6028.8	5967.0	5813.1	5808.3
55°	6126.4	6148.8	6349.6	6534.8	6530.0	6484.6	6528.7	6532.7	6356.4	6151.5	6126.4
57.5°	6367.9	6410.6	6693.5	7028.6	7279.5	7339.9	7254.4	6995.3	6582.2	6254.6	6214.6
60°	6219.4	6284.5	6728.8	7411.8	8151.2	8505.9	8023.6	7219.9	6406.6	5950.1	5895.8
62.5°	5216.8	5326.7	5977.2	7226.6	8901.4	9938.5	8581.2	6859.7	5707.9	5079.1	4986.2
65°	3177.2	3293.2	4077.3	5948.0	8779.9	11072.6	8326.8	5693.7	4166.1	3384.1	3283.7
67.5°	1058.8	1092.7	1554.7	3287.7	6900.4	9948.7	6911.9	3408.5	1813.1	1202.0	1166.7
70°	414.4	417.8	493.1	953.0	3258.6	6833.2	3595.7	970.0	515.5	407.7	416.5
72.5°	304.6	305.9	326.9	398.2	849.2	3010.3	879.8	400.2	318.1	285.6	285.6
75°	244.9	244.9	259.8	290.3	380.5	690.5	386.0	286.9	248.9	227.9	225.2
77.5°	193.3	197.4	208.9	228.6	257.8	332.4	267.3	227.2	200.8	181.1	177.0
80°	143.8	147.9	166.9	176.4	185.2	230.6	197.4	177.7	158.7	135.7	131.6
82.5°	94.3	98.4	122.1	127.5	125.5	150.6	132.9	130.9	116.7	87.5	83.4
85°	61.7	63.1	81.4	84.8	78.0	68.5	84.8	89.5	81.4	57.0	54.9
87.5°	29.2	29.2	41.4	38.7	35.3	28.5	38.7	45.4	46.1	27.8	27.1
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)