

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: P316868

Luminaire Tested: **GAN-SA4A-760-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316868
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-SA4A-760-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5700K, 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: 19391 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

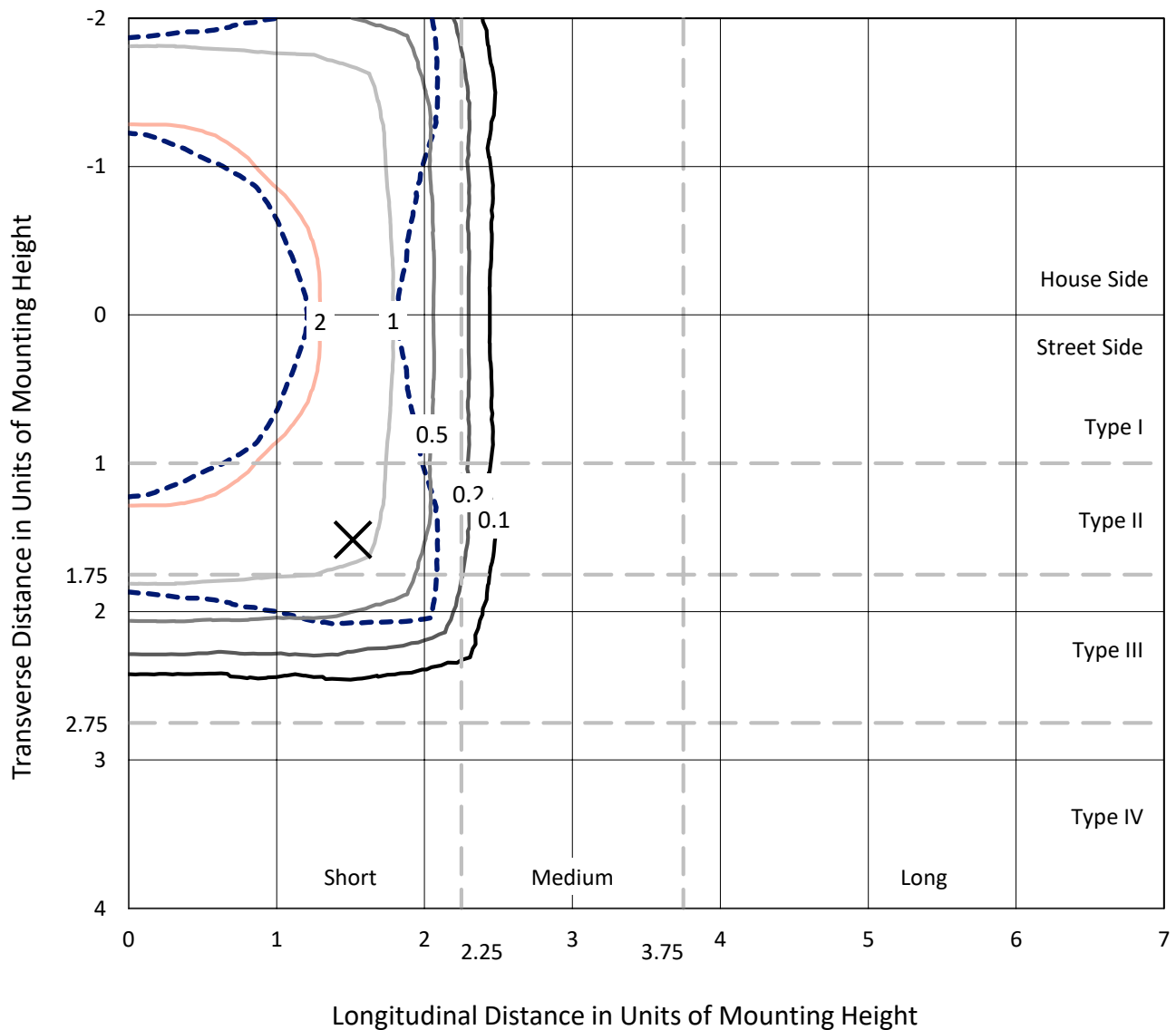
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

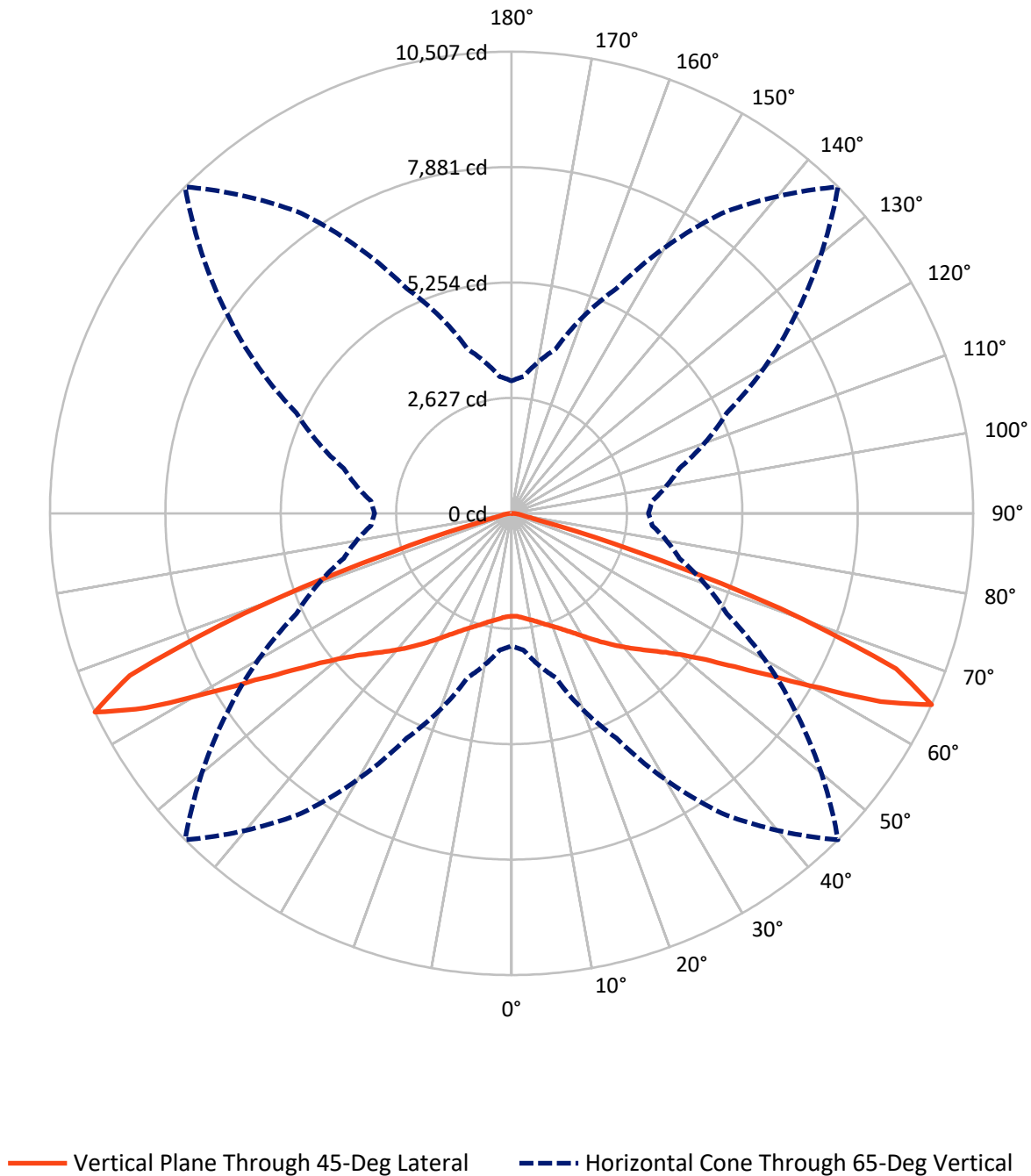
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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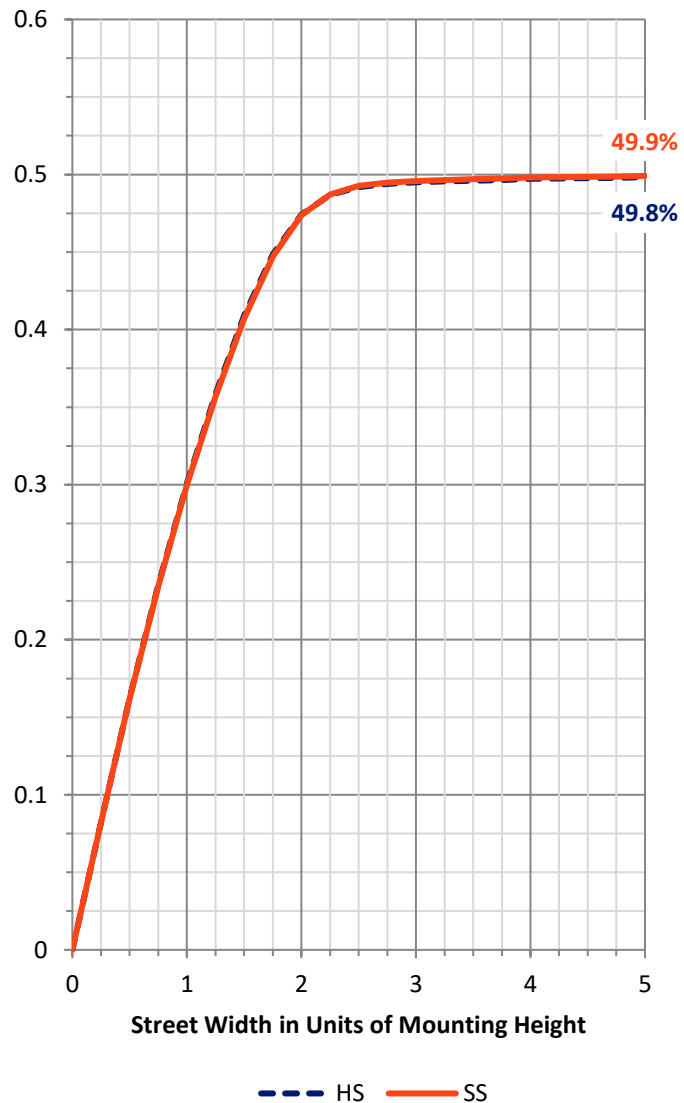
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9695.5	0.0	9695.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9695.5	0.0	9695.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19391.0	0.0	19391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	1.2
10°-20°	738.5	3.8
20°-30°	1385.5	7.1
30°-40°	2291.4	11.8
40°-50°	3549.1	18.3
50°-60°	5443.3	28.1
60°-70°	5079.2	26.2
70°-80°	591.2	3.0
80°-90°	83.1	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°	19391.0	100.0
0°-180°	19391.0	100.0

Coefficient of Utilization



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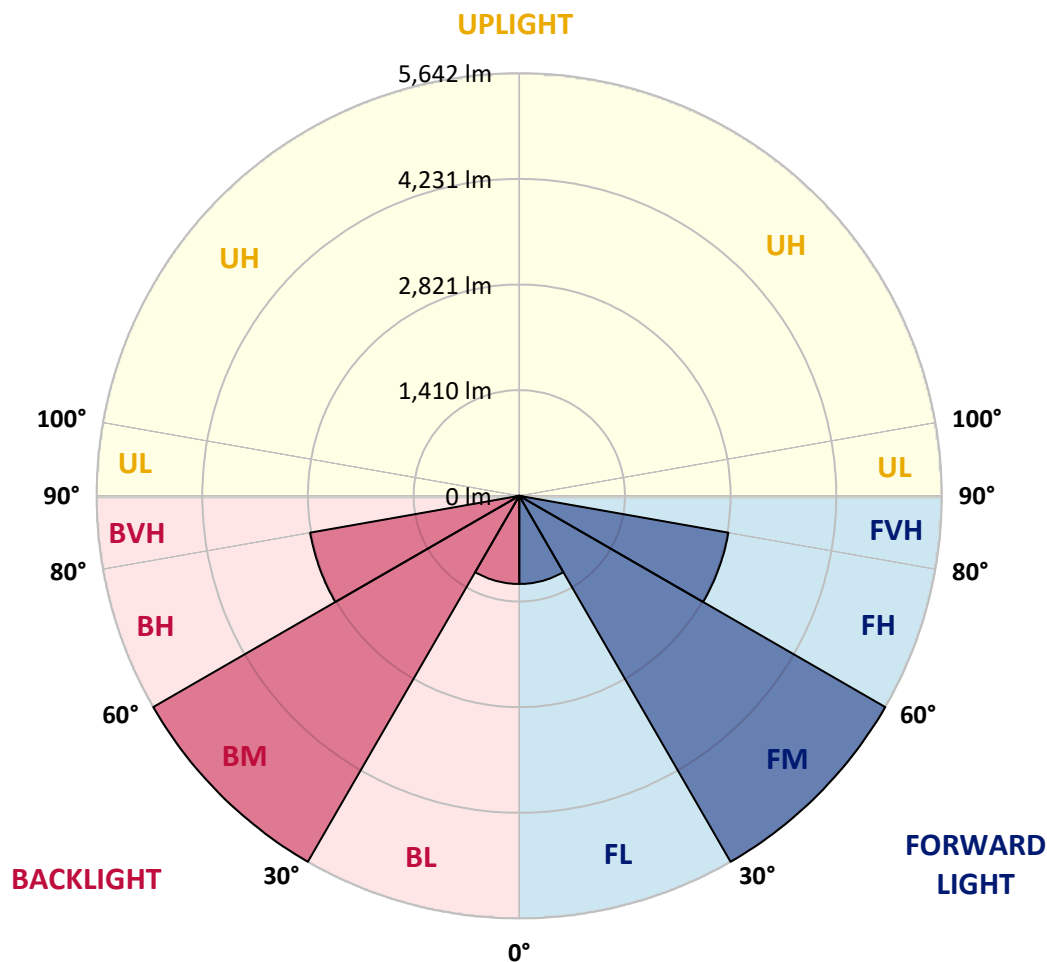
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1176.9	6.1			
FM	(30°-60°)	5641.9	29.1			
FH	(60°-80°)	2835.2	14.6			G2/5000
FVH	(80°-90°)	41.5	0.2			G1/100
BL	(0°-30°)	1176.9	6.1	B3/2500		
BM	(30°-60°)	5641.9	29.1	B4/8500		
BH	(60°-80°)	2835.2	14.6	B4/5000		G2/5000
BVH	(80°-90°)	41.5	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°	2341.7	2341.7	2341.7	2341.7	2341.7	2341.7	2341.7	2341.7	2341.7	2341.7	2341.7
2.5°	2349.4	2348.1	2349.4	2350.1	2346.2	2348.1	2347.5	2350.7	2352.0	2350.7	2350.7
5°	2376.5	2374.5	2377.1	2380.3	2375.2	2376.5	2374.5	2378.4	2379.7	2377.1	2379.0
7.5°	2413.8	2414.4	2417.0	2422.8	2419.6	2422.2	2418.3	2419.0	2418.3	2414.4	2415.1
10°	2454.4	2455.0	2459.5	2467.2	2468.5	2468.5	2465.9	2464.0	2461.4	2458.9	2459.5
12.5°	2503.3	2506.5	2509.7	2519.4	2519.4	2524.5	2523.2	2518.1	2513.6	2509.7	2509.7
15°	2569.6	2568.9	2572.8	2582.4	2587.0	2595.3	2595.3	2588.2	2582.4	2578.6	2577.3
17.5°	2639.1	2641.0	2643.6	2655.2	2662.3	2671.9	2673.2	2667.4	2663.5	2658.4	2655.2
20°	2720.2	2723.4	2733.7	2738.2	2744.7	2753.7	2756.9	2755.6	2751.7	2749.2	2749.8
22.5°	2814.8	2823.2	2829.6	2836.1	2843.8	2850.2	2853.4	2857.9	2854.1	2852.1	2850.9
25°	2929.4	2935.2	2948.1	2959.6	2964.8	2966.7	2970.6	2977.0	2976.4	2971.9	2971.9
27.5°	3059.4	3070.4	3086.4	3103.2	3103.2	3096.7	3109.6	3120.6	3116.7	3110.9	3103.2
30°	3217.1	3227.4	3246.1	3269.3	3257.7	3253.2	3270.5	3290.5	3284.7	3275.0	3273.8
32.5°	3387.0	3396.7	3421.2	3446.3	3431.5	3425.0	3443.7	3472.7	3462.4	3443.0	3431.5
35°	3571.1	3580.8	3615.6	3645.8	3620.7	3609.8	3625.2	3656.7	3638.7	3602.7	3593.7
37.5°	3771.3	3776.5	3821.5	3852.4	3835.0	3806.1	3825.4	3848.6	3833.1	3789.3	3772.0
40°	3979.2	3997.9	4050.0	4086.1	4055.8	4010.1	4042.3	4074.5	4051.3	3995.3	3965.7
42.5°	4221.9	4236.1	4305.6	4337.8	4288.8	4224.5	4268.2	4312.0	4288.8	4234.8	4209.0
45°	4474.2	4496.1	4579.1	4611.3	4540.5	4458.8	4512.2	4588.8	4586.9	4509.0	4481.9
47.5°	4749.1	4771.0	4870.1	4912.6	4836.0	4726.5	4801.9	4910.0	4902.3	4816.7	4794.8
50°	5066.4	5089.6	5213.2	5266.6	5195.1	5067.7	5181.0	5276.2	5262.1	5156.5	5158.5
52.5°	5464.8	5463.6	5617.4	5710.1	5636.7	5524.1	5628.3	5721.0	5662.5	5516.3	5511.8
55°	5813.7	5835.0	6025.5	6201.2	6196.7	6153.6	6195.4	6199.3	6031.9	5837.5	5813.7
57.5°	6042.9	6083.4	6351.8	6669.8	6908.0	6965.3	6884.2	6638.3	6246.3	5935.4	5897.4
60°	5901.9	5963.7	6385.3	7033.5	7735.1	8071.8	7614.1	6851.3	6079.6	5646.4	5594.9
62.5°	4950.5	5054.8	5672.1	6857.8	8447.0	9431.2	8143.2	6509.5	5416.6	4819.9	4731.7
65°	3015.0	3125.1	3869.2	5644.4	8331.8	10507.4	7901.8	5403.1	3953.5	3211.3	3116.1
67.5°	1004.8	1037.0	1475.3	3119.9	6548.2	9440.9	6559.1	3234.5	1720.6	1140.6	1107.1
70°	393.3	396.5	468.0	904.4	3092.2	6484.4	3412.1	920.5	489.2	386.9	395.2
72.5°	289.0	290.3	310.3	377.8	805.9	2856.7	834.9	379.8	301.9	271.0	271.0
75°	232.4	232.4	246.5	275.5	361.1	655.3	366.3	272.3	236.2	216.3	213.7
77.5°	183.4	187.3	198.3	216.9	244.6	315.4	253.6	215.6	190.5	171.9	168.0
80°	136.5	140.3	158.3	167.4	175.7	218.9	187.3	168.6	150.6	128.7	124.9
82.5°	89.5	93.3	115.9	121.0	119.1	142.9	126.2	124.2	110.7	83.0	79.2
85°	58.6	59.9	77.2	80.5	74.0	65.0	80.5	85.0	77.2	54.1	52.1
87.5°	27.7	27.7	39.3	36.7	33.5	27.0	36.7	43.1	43.8	26.4	25.7
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)