

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: P316967

Luminaire Tested: **GAN-SA3C-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316967
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-SA3C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17701 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

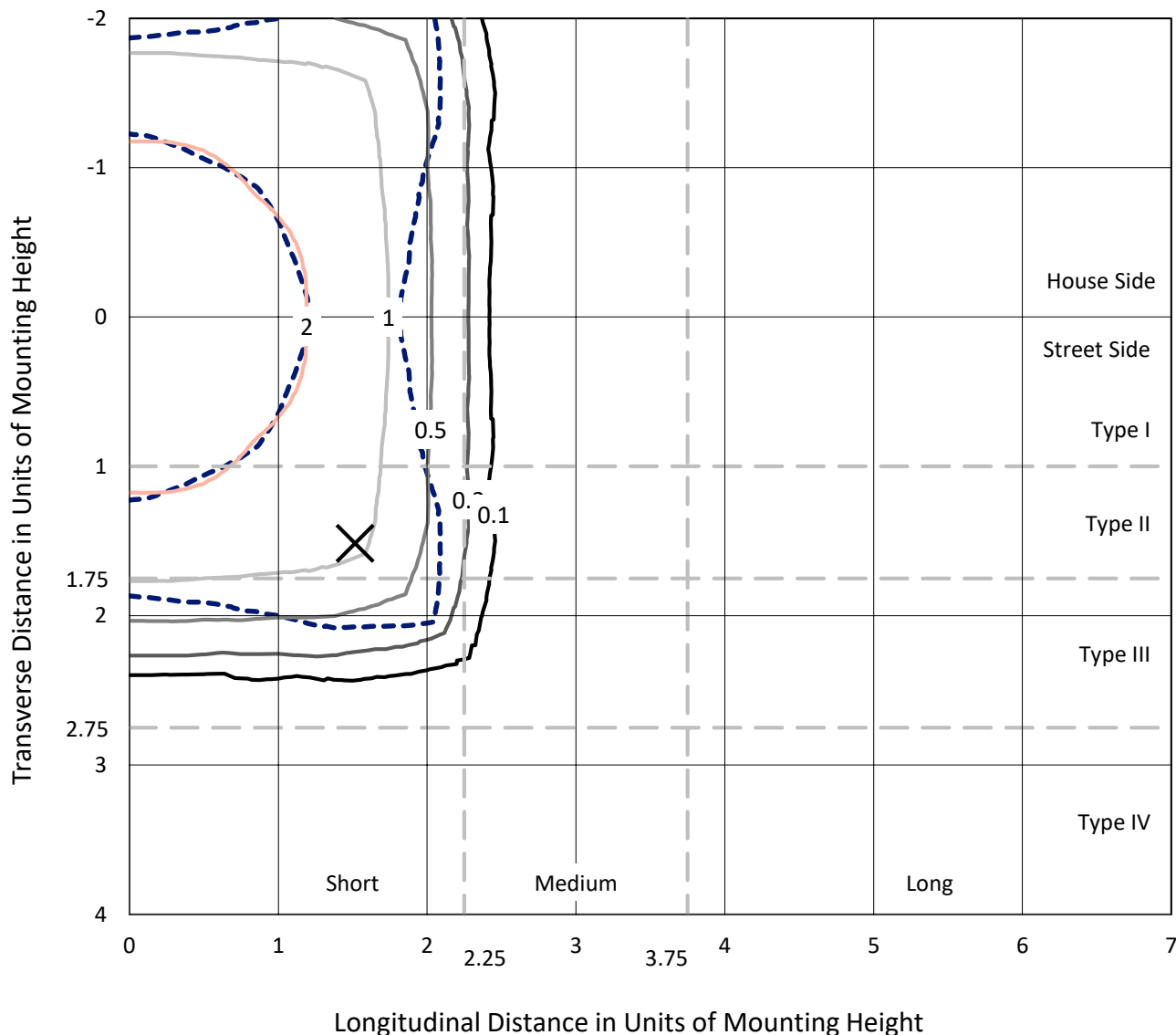
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

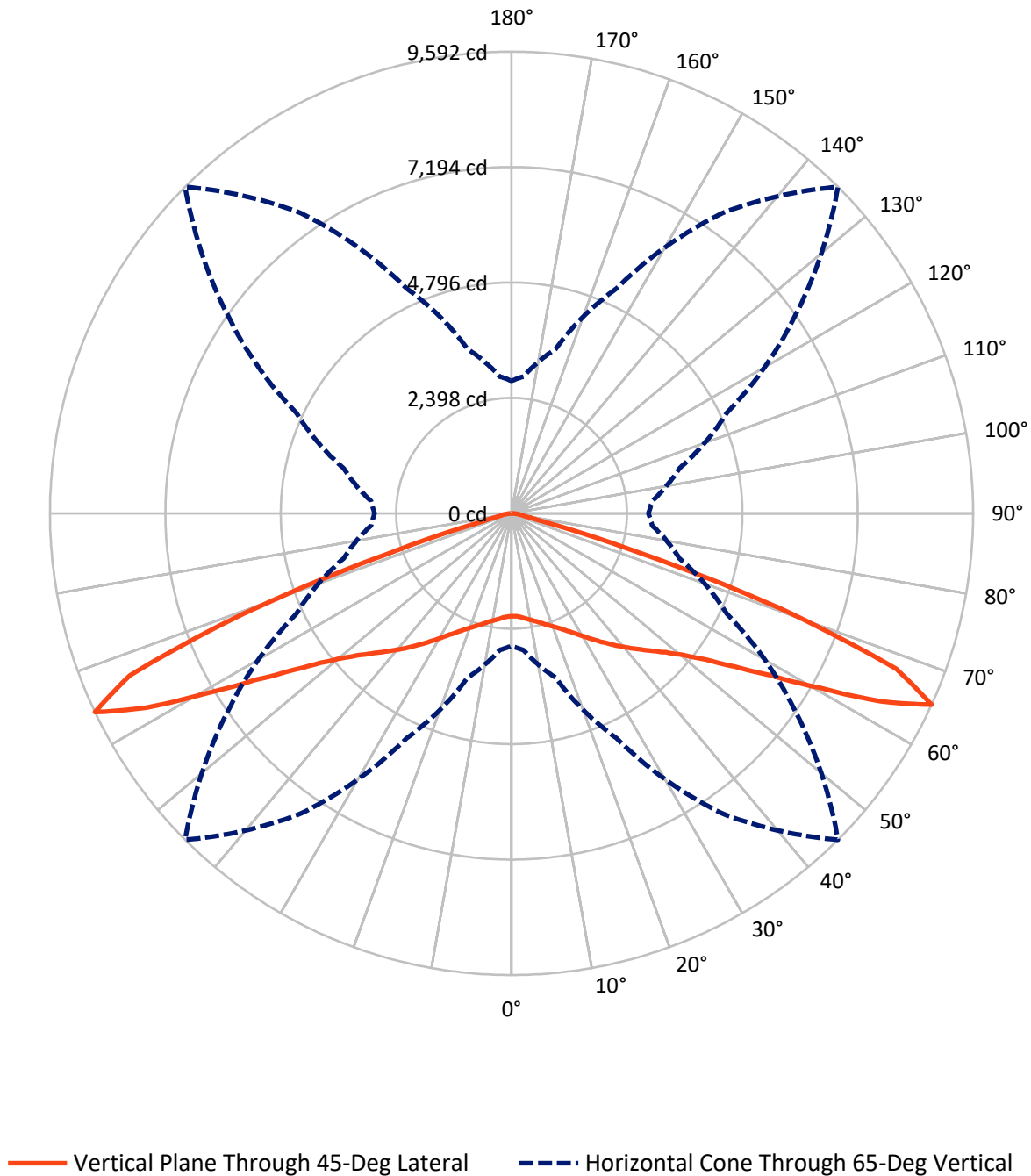
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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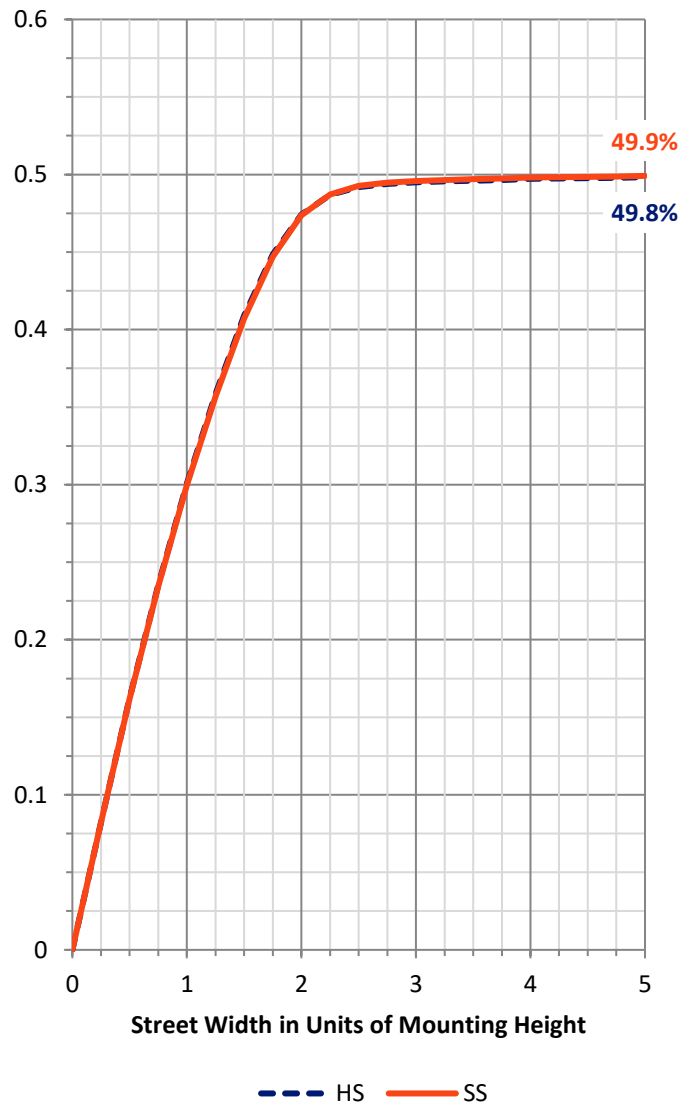
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8850.5	0.0	8850.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8850.5	0.0	8850.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17701.0	0.0	17701.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	1.2
10°-20°	674.1	3.8
20°-30°	1264.8	7.1
30°-40°	2091.7	11.8
40°-50°	3239.8	18.3
50°-60°	4968.9	28.1
60°-70°	4636.5	26.2
70°-80°	539.6	3.0
80°-90°	75.8	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°	17701.0	100.0
0°-180°	17701.0	100.0

Coefficient of Utilization



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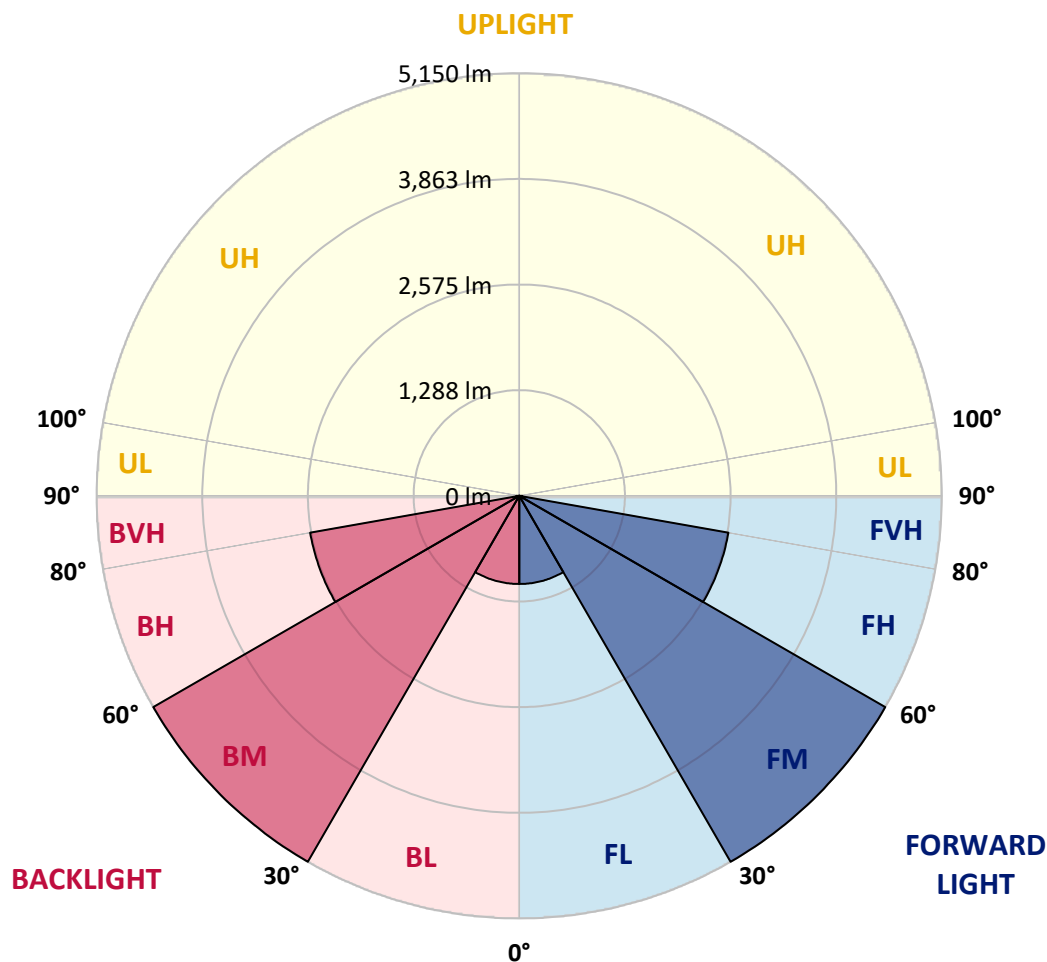
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1074.3	6.1			
FM	(30°-60°)	5150.2	29.1			
FH	(60°-80°)	2588.1	14.6			G2/5000
FVH	(80°-90°)	37.9	0.2			G1/100
BL	(0°-30°)	1074.3	6.1	B3/2500		
BM	(30°-60°)	5150.2	29.1	B4/8500		
BH	(60°-80°)	2588.1	14.6	B4/5000		G2/5000
BVH	(80°-90°)	37.9	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°	2137.6	2137.6	2137.6	2137.6	2137.6	2137.6	2137.6	2137.6	2137.6	2137.6	2137.6
2.5°	2144.7	2143.5	2144.7	2145.3	2141.7	2143.5	2142.9	2145.8	2147.0	2145.8	2145.8
5°	2169.3	2167.6	2169.9	2172.9	2168.2	2169.3	2167.6	2171.1	2172.3	2169.9	2171.7
7.5°	2203.4	2204.0	2206.4	2211.7	2208.7	2211.1	2207.5	2208.1	2207.5	2204.0	2204.6
10°	2240.4	2241.0	2245.1	2252.2	2253.4	2253.4	2251.0	2249.3	2246.9	2244.6	2245.1
12.5°	2285.1	2288.0	2291.0	2299.8	2299.8	2304.5	2303.3	2298.6	2294.5	2291.0	2291.0
15°	2345.6	2345.0	2348.6	2357.4	2361.5	2369.1	2369.1	2362.7	2357.4	2353.8	2352.7
17.5°	2409.1	2410.8	2413.2	2423.8	2430.2	2439.0	2440.2	2434.9	2431.4	2426.7	2423.8
20°	2483.1	2486.1	2495.5	2499.6	2505.4	2513.7	2516.6	2515.4	2511.9	2509.6	2510.1
22.5°	2569.5	2577.1	2583.0	2588.9	2595.9	2601.8	2604.7	2608.9	2605.3	2603.6	2602.4
25°	2674.1	2679.4	2691.1	2701.7	2706.4	2708.2	2711.7	2717.6	2717.0	2712.9	2712.9
27.5°	2792.8	2802.8	2817.5	2832.7	2832.7	2826.9	2838.6	2848.6	2845.1	2839.8	2832.7
30°	2936.7	2946.1	2963.2	2984.3	2973.7	2969.6	2985.5	3003.7	2998.4	2989.6	2988.4
32.5°	3091.9	3100.7	3123.0	3145.9	3132.4	3126.5	3143.6	3170.0	3160.6	3143.0	3132.4
35°	3259.9	3268.7	3300.4	3328.1	3305.1	3295.2	3309.3	3338.0	3321.6	3288.7	3280.5
37.5°	3442.6	3447.3	3488.5	3516.7	3500.8	3474.4	3492.0	3513.1	3499.0	3459.1	3443.2
40°	3632.4	3649.5	3697.1	3730.0	3702.3	3660.6	3690.0	3719.4	3698.2	3647.1	3620.1
42.5°	3853.9	3866.9	3930.3	3959.7	3915.1	3856.3	3896.3	3936.2	3915.1	3865.7	3842.2
45°	4084.3	4104.3	4180.1	4209.4	4144.8	4070.2	4118.9	4188.9	4187.1	4116.0	4091.3
47.5°	4335.2	4355.2	4445.6	4484.4	4414.5	4314.6	4383.4	4482.1	4475.0	4396.9	4376.9
50°	4624.9	4646.0	4758.8	4807.6	4742.4	4626.0	4729.4	4816.4	4803.5	4707.1	4708.9
52.5°	4988.6	4987.4	5127.8	5212.4	5145.4	5042.6	5137.8	5222.4	5169.0	5035.6	5031.5
55°	5307.0	5326.4	5500.3	5660.8	5656.6	5617.3	5655.5	5659.0	5506.2	5328.8	5307.0
57.5°	5516.2	5553.2	5798.2	6088.5	6305.9	6358.2	6284.2	6059.7	5701.9	5418.1	5383.4
60°	5387.5	5443.9	5828.8	6420.5	7061.0	7368.3	6950.5	6254.2	5549.7	5154.3	5107.3
62.5°	4519.1	4614.3	5177.8	6260.1	7710.8	8609.2	7433.5	5942.2	4944.5	4399.8	4319.3
65°	2752.2	2852.7	3531.9	5152.5	7605.6	9591.7	7213.1	4932.2	3608.9	2931.4	2844.5
67.5°	917.2	946.6	1346.7	2848.0	5977.5	8618.1	5987.5	2952.6	1570.6	1041.2	1010.6
70°	359.0	361.9	427.2	825.6	2822.7	5919.3	3114.8	840.2	446.6	353.1	360.8
72.5°	263.8	265.0	283.2	344.9	735.7	2607.7	762.1	346.7	275.6	247.4	247.4
75°	212.1	212.1	225.0	251.5	329.6	598.2	334.3	248.5	215.6	197.4	195.1
77.5°	167.5	171.0	181.0	198.0	223.3	287.9	231.5	196.8	173.9	156.9	153.4
80°	124.6	128.1	144.5	152.8	160.4	199.8	171.0	153.9	137.5	117.5	114.0
82.5°	81.7	85.2	105.8	110.5	108.7	130.4	115.2	113.4	101.1	75.8	72.3
85°	53.5	54.6	70.5	73.4	67.6	59.3	73.4	77.6	70.5	49.4	47.6
87.5°	25.3	25.3	35.8	33.5	30.6	24.7	33.5	39.4	40.0	24.1	23.5
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)