

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: P316590

Luminaire Tested: **GAN-SA6A-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21525 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

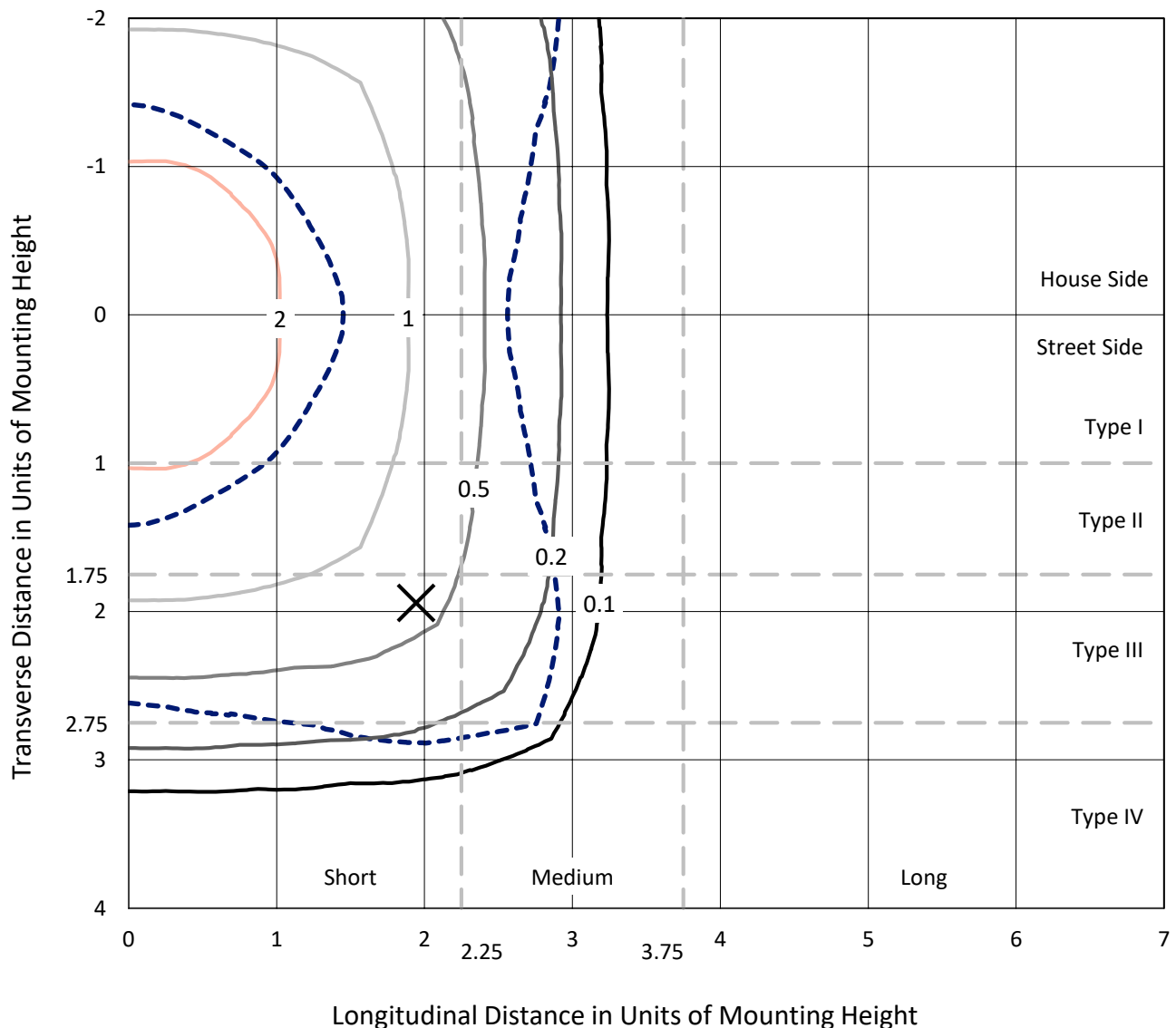
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

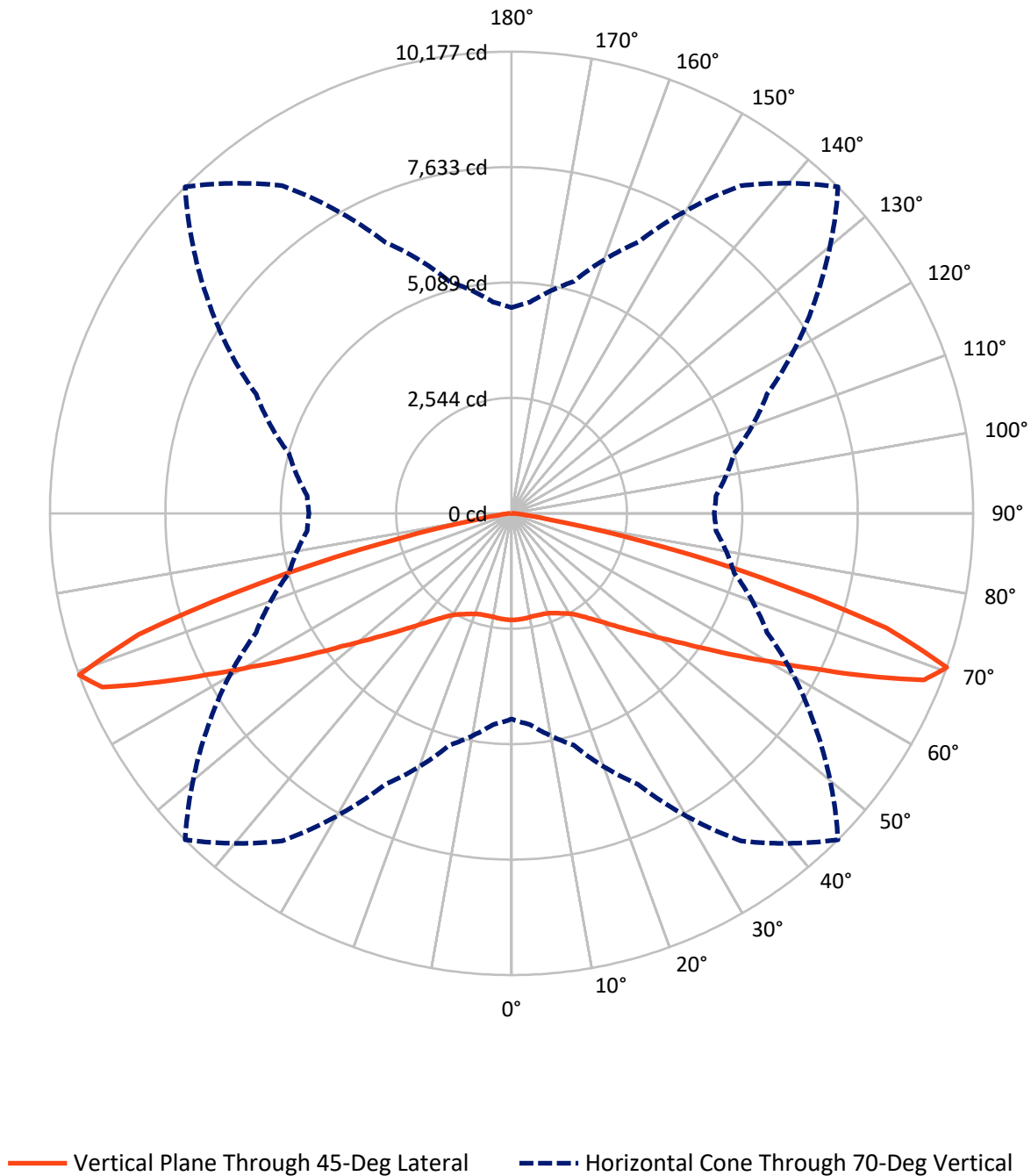
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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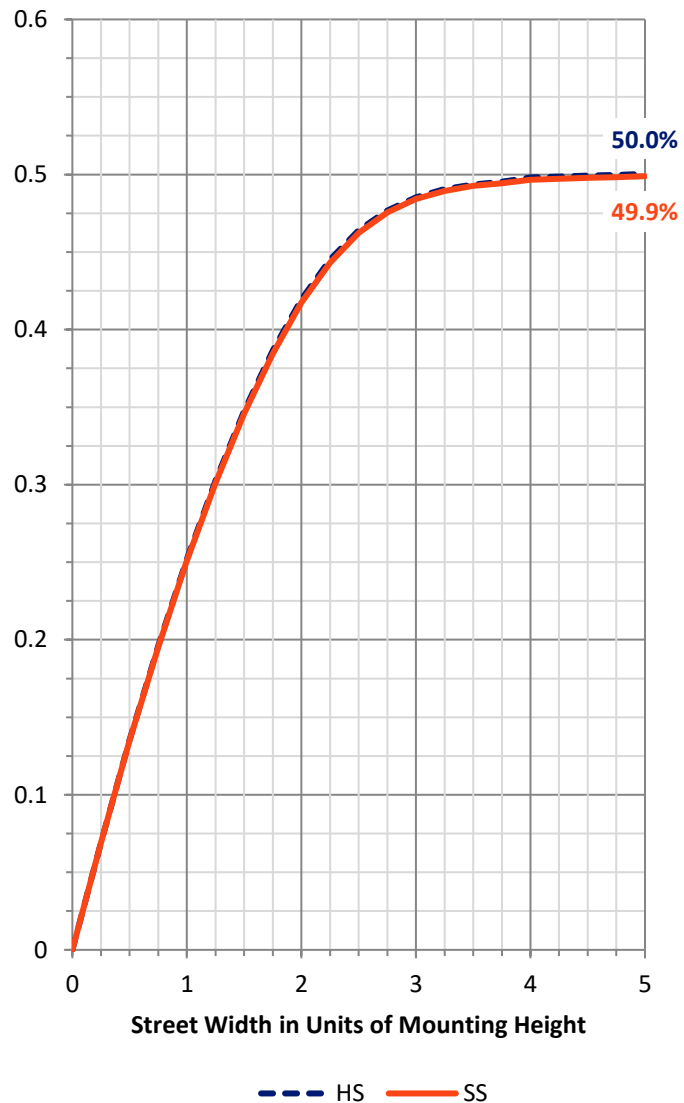
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10762.5	0.0	10762.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10762.5	0.0	10762.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21525.0	0.0	21525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.7	1.0
10°-20°	653.6	3.0
20°-30°	1112.7	5.2
30°-40°	1764.8	8.2
40°-50°	2871.8	13.3
50°-60°	4735.1	22.0
60°-70°	6951.3	32.3
70°-80°	3073.8	14.3
80°-90°	139.2	0.6
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°	21525.0	100.0
0°-180°	21525.0	100.0

Coefficient of Utilization



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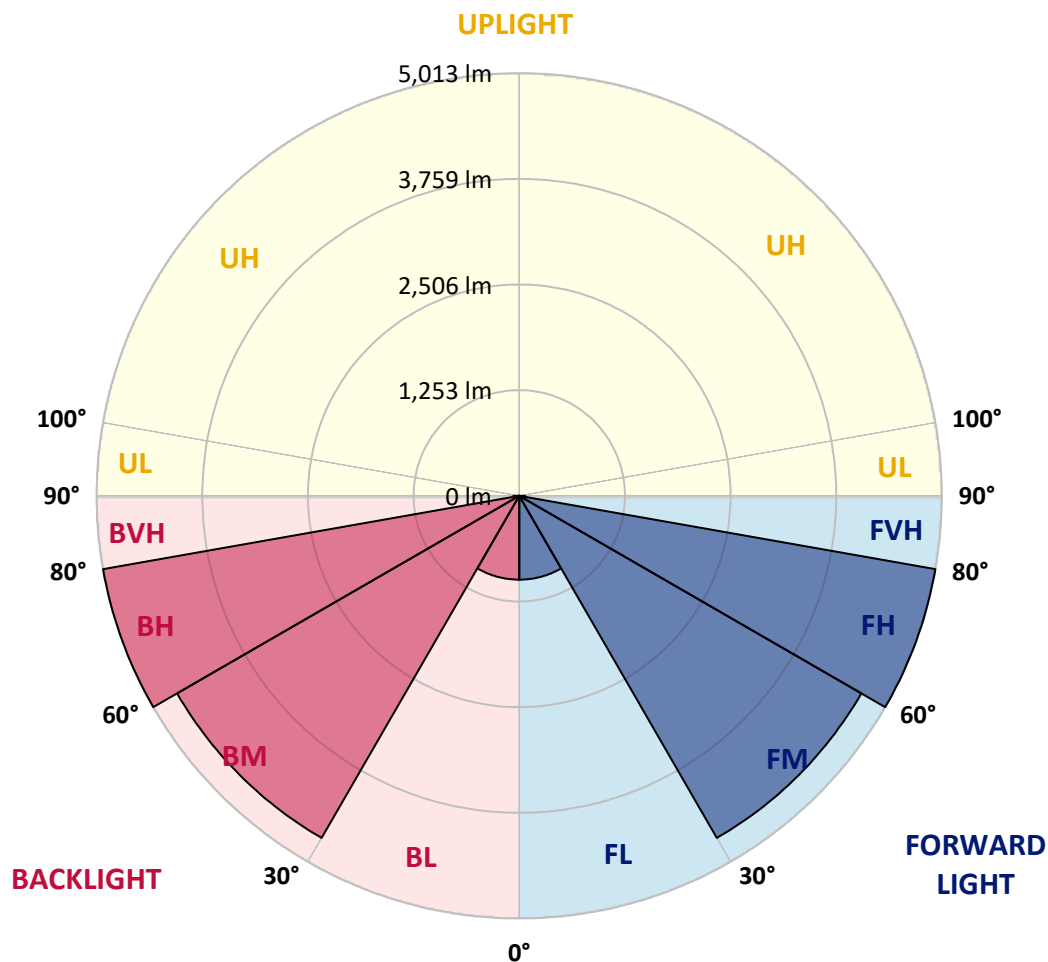
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	994.5	4.6			
FM	(30°-60°)	4685.8	21.8			
FH	(60°-80°)	5012.6	23.3			G3/7500
FVH	(80°-90°)	69.6	0.3			G1/100
BL	(0°-30°)	994.5	4.6	B2/1000		
BM	(30°-60°)	4685.8	21.8	B3/5000		
BH	(60°-80°)	5012.6	23.3	B5		G3/7500
BVH	(80°-90°)	69.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9
2.5°	2347.3	2345.2	2350.2	2349.4	2345.2	2345.9	2345.9	2348.0	2348.0	2346.6	2346.6
5°	2338.8	2337.3	2343.0	2343.0	2338.8	2340.2	2341.6	2343.7	2343.0	2341.6	2340.9
7.5°	2328.1	2327.4	2333.1	2333.1	2330.2	2331.6	2330.2	2330.9	2329.5	2328.1	2325.9
10°	2310.3	2311.7	2316.7	2318.1	2318.1	2318.8	2317.4	2313.8	2311.7	2309.5	2307.4
12.5°	2293.9	2293.2	2300.3	2303.8	2309.5	2316.0	2311.7	2301.7	2297.4	2293.2	2291.7
15°	2283.2	2283.9	2291.0	2297.4	2307.4	2320.9	2316.0	2300.3	2291.7	2286.8	2285.3
17.5°	2281.1	2282.5	2291.7	2303.1	2313.8	2328.8	2325.9	2310.3	2296.0	2286.8	2284.6
20°	2286.0	2286.8	2301.0	2317.4	2335.9	2350.2	2343.7	2326.6	2307.4	2293.2	2289.6
22.5°	2295.3	2298.1	2316.0	2341.6	2370.1	2389.3	2381.5	2352.3	2322.4	2304.6	2299.6
25°	2324.5	2325.2	2349.4	2384.3	2418.5	2440.6	2431.4	2390.0	2351.6	2331.6	2325.2
27.5°	2385.1	2387.2	2411.4	2452.0	2481.2	2495.5	2489.8	2456.3	2423.5	2402.2	2404.3
30°	2472.7	2475.5	2502.6	2547.5	2565.3	2568.9	2567.4	2551.8	2521.8	2493.3	2495.5
32.5°	2579.5	2581.0	2617.3	2657.9	2672.1	2675.0	2672.1	2657.9	2622.3	2583.8	2586.0
35°	2717.0	2721.3	2756.2	2795.4	2806.8	2812.5	2807.5	2789.0	2751.9	2714.2	2712.8
37.5°	2886.6	2887.3	2923.6	2964.2	2978.5	2979.9	2974.2	2962.1	2915.8	2881.6	2879.5
40°	3083.2	3086.0	3128.8	3172.2	3177.9	3171.5	3179.4	3172.2	3124.5	3085.3	3091.7
42.5°	3322.6	3329.0	3380.3	3423.0	3406.6	3403.1	3408.0	3410.2	3371.7	3324.0	3319.7
45°	3601.1	3606.8	3670.9	3705.1	3694.4	3670.9	3680.9	3698.0	3644.6	3585.4	3591.1
47.5°	3918.8	3933.1	4001.5	4033.5	4007.2	3975.1	3994.3	4020.0	3957.3	3883.9	3880.4
50°	4272.2	4290.0	4381.2	4426.0	4399.7	4340.6	4372.6	4389.7	4299.2	4204.5	4196.7
52.5°	4649.0	4666.8	4781.5	4874.1	4857.0	4765.1	4810.0	4792.2	4688.2	4560.7	4550.7
55°	5075.7	5082.9	5206.8	5356.4	5373.5	5305.8	5303.0	5273.8	5119.9	4972.4	4965.3
57.5°	5514.6	5519.5	5679.8	5856.5	5937.0	5937.0	5857.2	5795.2	5590.8	5419.8	5402.0
60°	5988.3	6006.1	6183.5	6423.6	6611.6	6667.2	6526.1	6357.3	6135.0	5926.3	5905.7
62.5°	6410.0	6430.7	6702.1	7059.7	7361.8	7564.1	7219.3	6944.3	6539.7	6204.9	6165.7
65°	6463.5	6519.0	6914.4	7561.9	8238.0	8641.9	7980.8	7303.4	6566.0	6100.9	6061.0
67.5°	5902.8	5996.8	6531.1	7539.2	8936.1	9803.1	8467.4	7098.2	6093.0	5578.7	5534.5
70°	4535.7	4672.5	5288.7	6594.5	8815.7	10177.1	8162.5	6214.1	5080.0	4526.5	4464.5
72.5°	2488.4	2544.6	3098.9	4515.8	7067.6	8648.3	6808.2	4594.9	3368.9	2741.3	2637.2
75°	789.3	809.3	1091.4	1847.9	3997.9	5728.3	4324.9	2255.4	1241.7	915.4	904.7
77.5°	350.5	352.6	394.7	539.3	1377.0	2902.2	1654.2	614.1	423.2	369.7	381.8
80°	221.6	221.6	244.3	267.1	374.7	842.7	447.4	292.1	249.3	231.5	236.5
82.5°	106.1	117.5	158.9	171.0	205.9	283.5	229.4	190.9	166.7	124.0	115.4
85°	69.8	58.4	100.4	113.3	119.7	136.1	133.2	126.1	109.0	62.0	69.1
87.5°	31.3	29.9	52.0	47.7	44.9	34.2	51.3	63.4	61.3	30.6	30.6
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)