

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: P316390

Luminaire Tested: **GAN-SA6A-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316390
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-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 24486 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

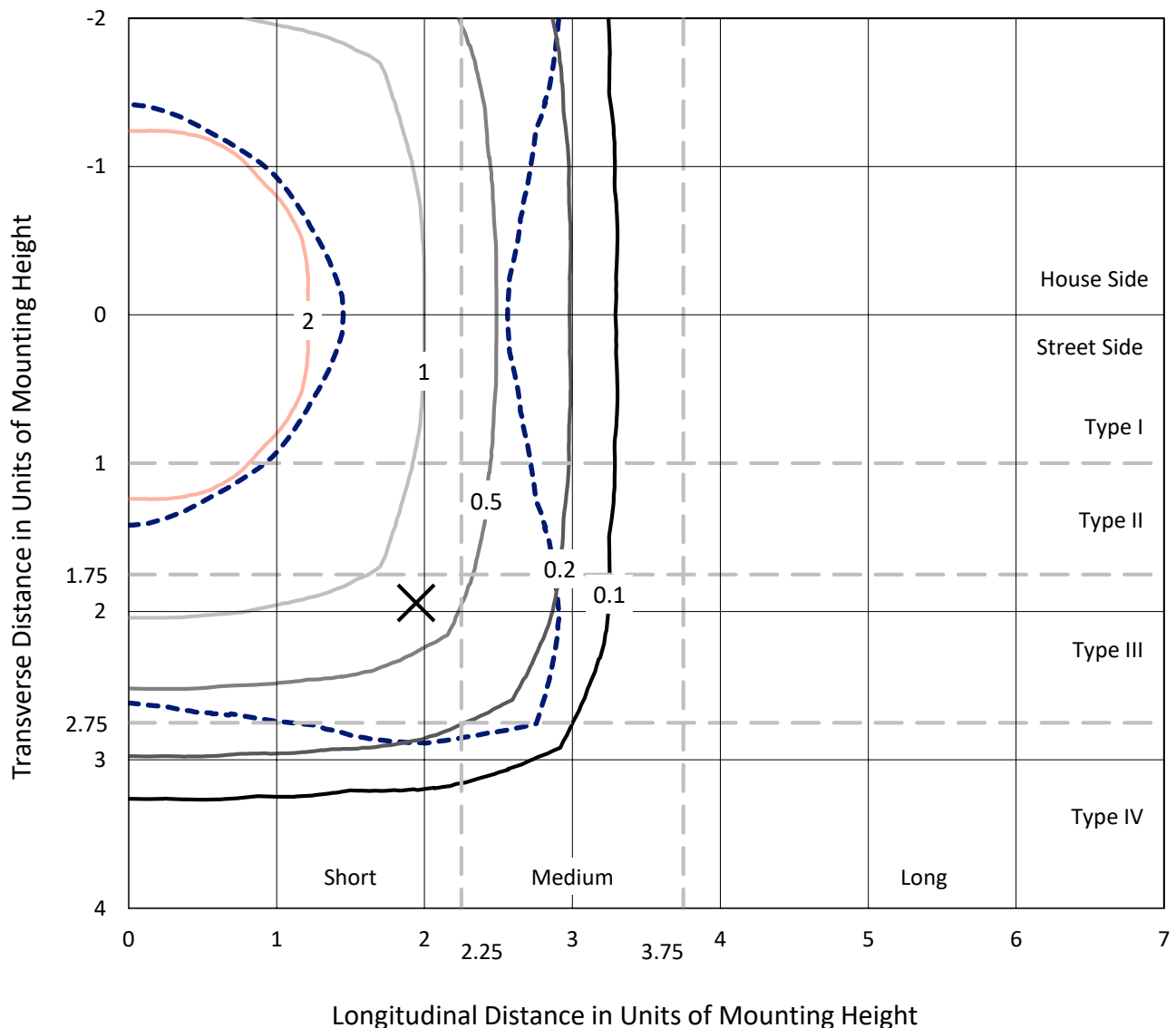
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316390
 CATALOG NUMBER: GAN-SA6A-727-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

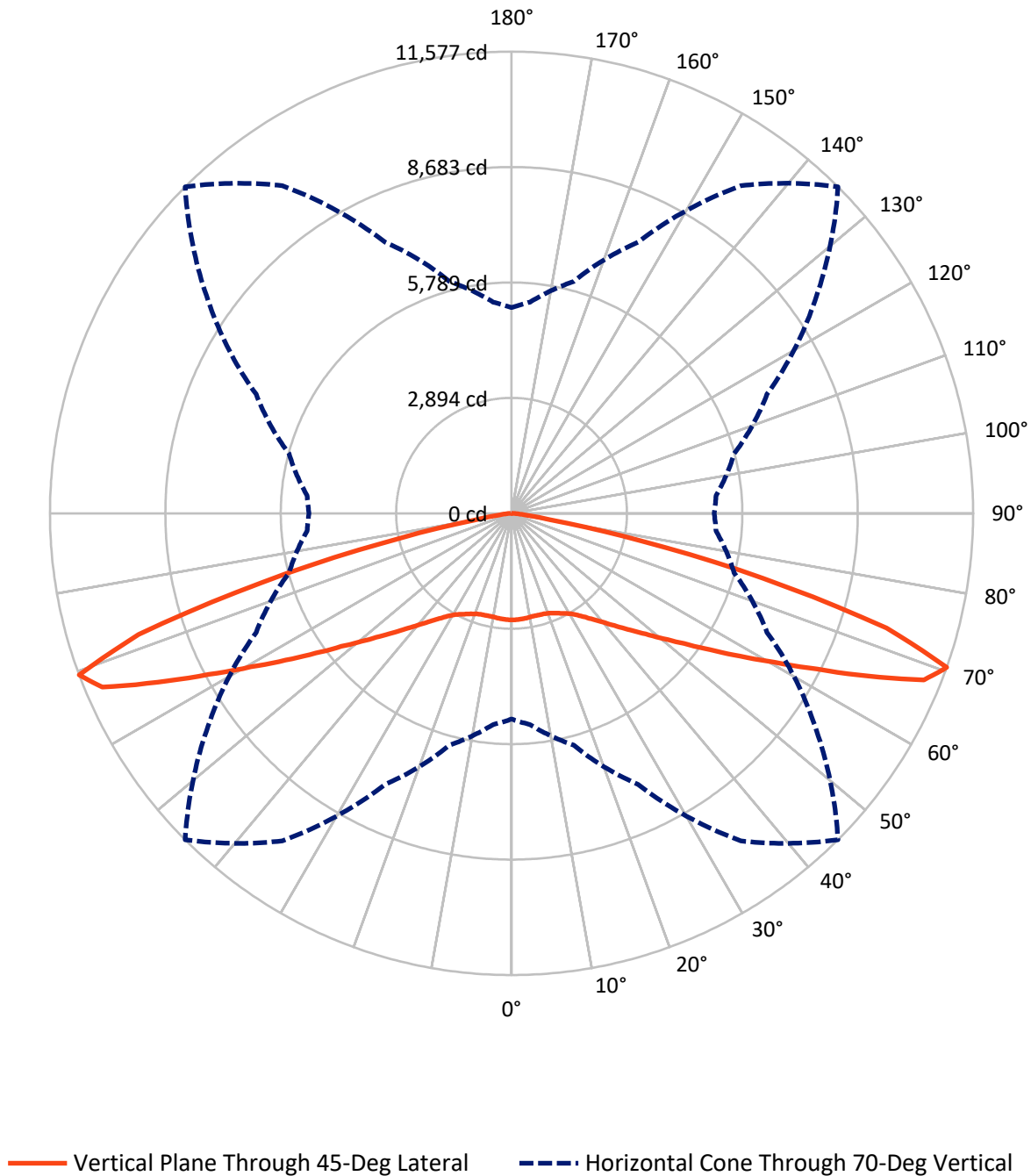
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P316390
CATALOG NUMBER: GAN-SA6A-727-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316390

CATALOG NUMBER: GAN-SA6A-727-U-5MQ

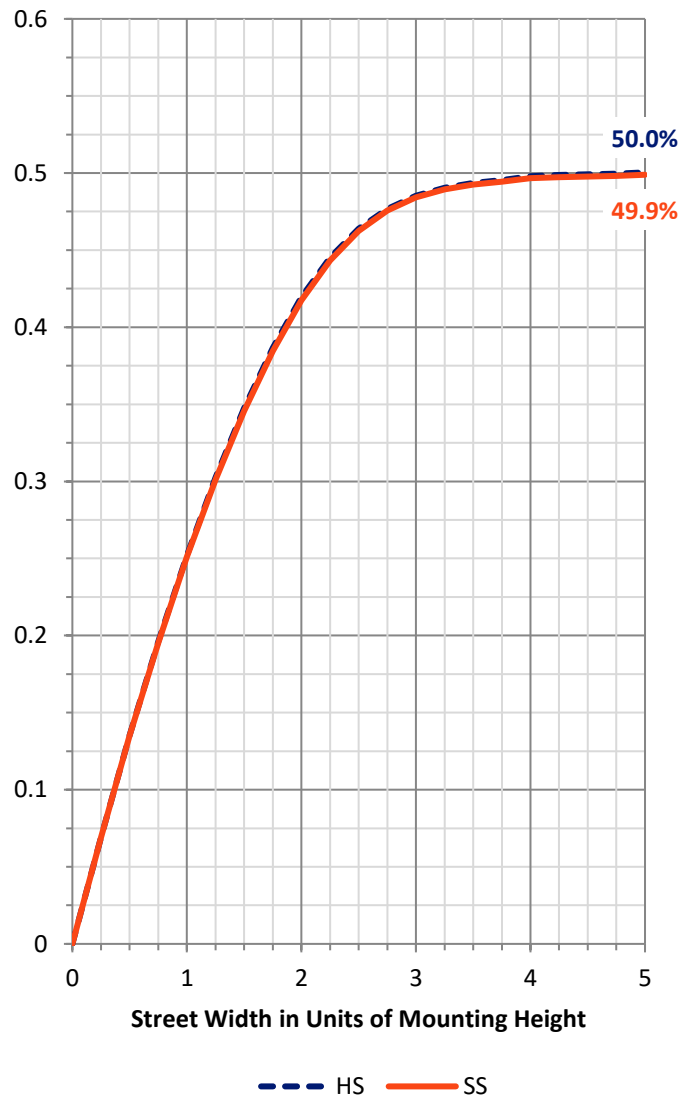
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12243.0	0.0	12243.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12243.0	0.0	12243.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24486.0	0.0	24486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	1.0
10°-20°	743.6	3.0
20°-30°	1265.8	5.2
30°-40°	2007.5	8.2
40°-50°	3266.9	13.3
50°-60°	5386.5	22.0
60°-70°	7907.5	32.3
70°-80°	3496.7	14.3
80°-90°	158.3	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°	24486.0	100.0
0°-180°	24486.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316390

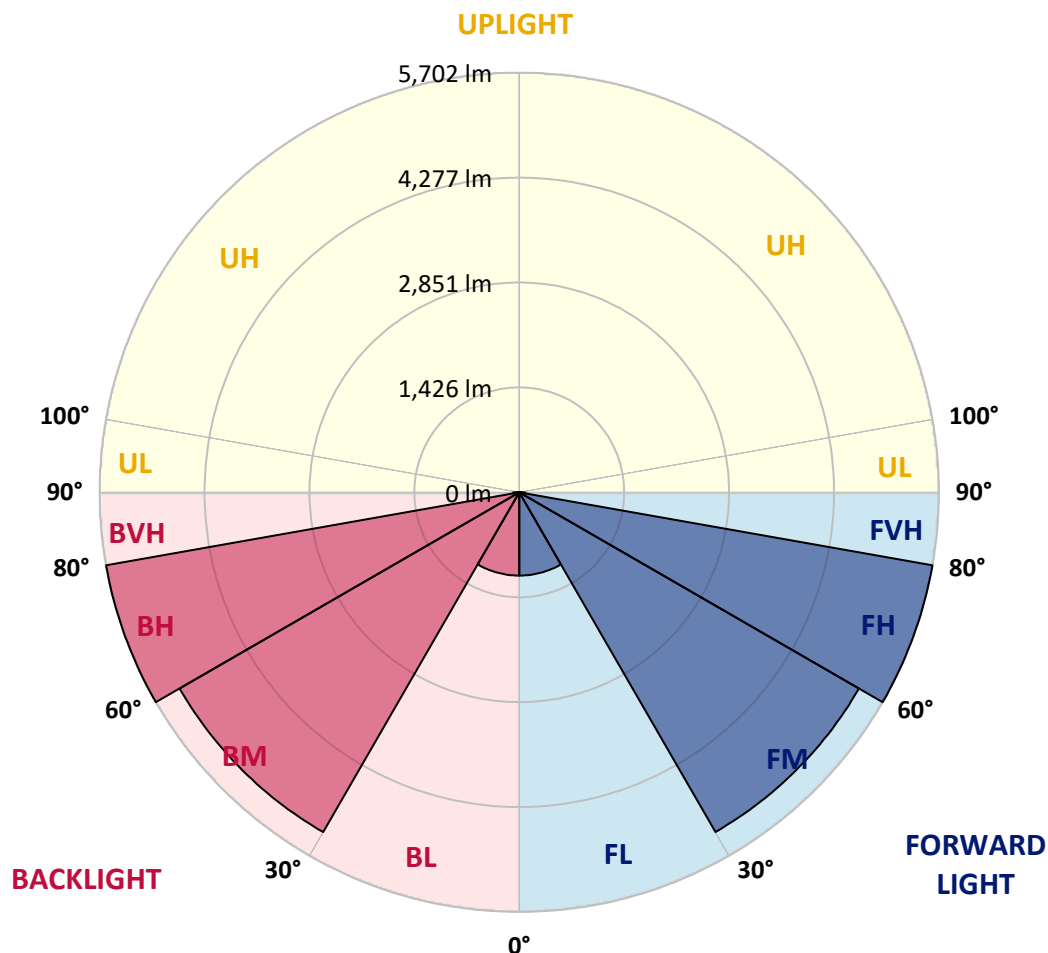
CATALOG NUMBER: GAN-SA6A-727-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1131.3	4.6			
FM	(30°-60°)	5330.4	21.8			
FH	(60°-80°)	5702.1	23.3			G3/7500
FVH	(80°-90°)	79.2	0.3			G1/100
BL	(0°-30°)	1131.3	4.6	B3/2500		
BM	(30°-60°)	5330.4	21.8	B4/8500		
BH	(60°-80°)	5702.1	23.3	B5		G3/7500
BVH	(80°-90°)	79.2	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





REPORT NUMBER: P316390

CATALOG NUMBER: GAN-SA6A-727-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3	2674.3
2.5°	2670.2	2667.8	2673.4	2672.6	2667.8	2668.6	2668.6	2671.0	2671.0	2669.4	2669.4
5°	2660.5	2658.9	2665.3	2665.3	2660.5	2662.1	2663.7	2666.1	2665.3	2663.7	2662.9
7.5°	2648.3	2647.5	2654.0	2654.0	2650.8	2652.4	2650.8	2651.6	2649.9	2648.3	2645.9
10°	2628.1	2629.7	2635.4	2637.0	2637.0	2637.8	2636.2	2632.1	2629.7	2627.3	2624.8
12.5°	2609.4	2608.6	2616.7	2620.8	2627.3	2634.5	2629.7	2618.3	2613.5	2608.6	2607.0
15°	2597.3	2598.1	2606.2	2613.5	2624.8	2640.2	2634.5	2616.7	2607.0	2601.3	2599.7
17.5°	2594.8	2596.5	2607.0	2620.0	2632.1	2649.1	2645.9	2628.1	2611.9	2601.3	2598.9
20°	2600.5	2601.3	2617.5	2636.2	2657.2	2673.4	2666.1	2646.7	2624.8	2608.6	2604.6
22.5°	2611.0	2614.3	2634.5	2663.7	2696.1	2718.0	2709.1	2675.9	2641.8	2621.6	2615.9
25°	2644.3	2645.1	2672.6	2712.3	2751.2	2776.4	2765.8	2718.8	2675.1	2652.4	2645.1
27.5°	2713.2	2715.6	2743.1	2789.3	2822.6	2838.8	2832.3	2794.2	2756.9	2732.6	2735.0
30°	2812.8	2816.1	2846.9	2897.9	2918.2	2922.2	2920.6	2902.8	2868.7	2836.3	2838.8
32.5°	2934.4	2936.0	2977.3	3023.5	3039.7	3043.0	3039.7	3023.5	2983.0	2939.2	2941.7
35°	3090.8	3095.6	3135.4	3179.9	3192.9	3199.4	3193.7	3172.6	3130.5	3087.5	3085.9
37.5°	3283.7	3284.5	3325.8	3372.0	3388.2	3389.8	3383.3	3369.6	3316.9	3278.0	3275.6
40°	3507.3	3510.6	3559.2	3608.6	3615.1	3607.8	3616.7	3608.6	3554.3	3509.8	3517.0
42.5°	3779.6	3786.9	3845.3	3893.9	3875.2	3871.2	3876.9	3879.3	3835.5	3781.2	3776.4
45°	4096.5	4103.0	4175.9	4214.8	4202.6	4175.9	4187.2	4206.7	4145.9	4078.6	4085.1
47.5°	4457.9	4474.1	4551.9	4588.4	4558.4	4521.9	4543.8	4573.0	4501.7	4418.2	4414.1
50°	4859.8	4880.1	4983.8	5034.9	5004.9	4937.6	4974.1	4993.6	4890.6	4782.9	4773.9
52.5°	5288.5	5308.8	5439.3	5544.6	5525.2	5420.6	5471.7	5451.4	5333.1	5188.0	5176.7
55°	5774.0	5782.1	5923.1	6093.2	6112.7	6035.7	6032.5	5999.2	5824.2	5656.4	5648.3
57.5°	6273.1	6278.8	6461.2	6662.1	6753.7	6753.7	6662.9	6592.4	6359.9	6165.4	6145.1
60°	6812.0	6832.3	7034.1	7307.2	7521.1	7584.3	7423.9	7231.8	6979.0	6741.5	6718.0
62.5°	7291.8	7315.3	7624.1	8030.9	8374.5	8604.6	8212.4	7899.6	7439.3	7058.4	7013.8
65°	7352.6	7415.8	7865.5	8602.2	9371.2	9830.7	9078.7	8308.0	7469.3	6940.1	6894.7
67.5°	6714.8	6821.8	7429.6	8576.2	10165.4	11151.6	9632.2	8074.6	6931.2	6346.1	6295.8
70°	5159.7	5315.3	6016.3	7501.7	10028.4	11577.1	9285.3	7068.9	5778.8	5149.2	5078.6
72.5°	2830.7	2894.7	3525.2	5137.0	8039.8	9838.0	7744.8	5226.9	3832.3	3118.3	3000.0
75°	897.9	920.6	1241.5	2102.1	4547.8	6516.3	4919.8	2565.7	1412.5	1041.3	1029.2
77.5°	398.7	401.1	449.0	613.5	1566.5	3301.5	1881.7	698.5	481.4	420.6	434.4
80°	252.0	252.0	278.0	303.9	426.3	958.7	508.9	332.3	283.6	263.4	269.0
82.5°	120.7	133.7	180.7	194.5	234.2	322.5	260.9	217.2	189.6	141.0	131.3
85°	79.4	66.5	114.3	128.9	136.1	154.8	151.5	143.4	124.0	70.5	78.6
87.5°	35.7	34.0	59.2	54.3	51.1	38.9	58.3	72.1	69.7	34.8	34.8
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)