

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: P316740

Luminaire Tested: **GAN-SA6D-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316740
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-SA6D-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 40032 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

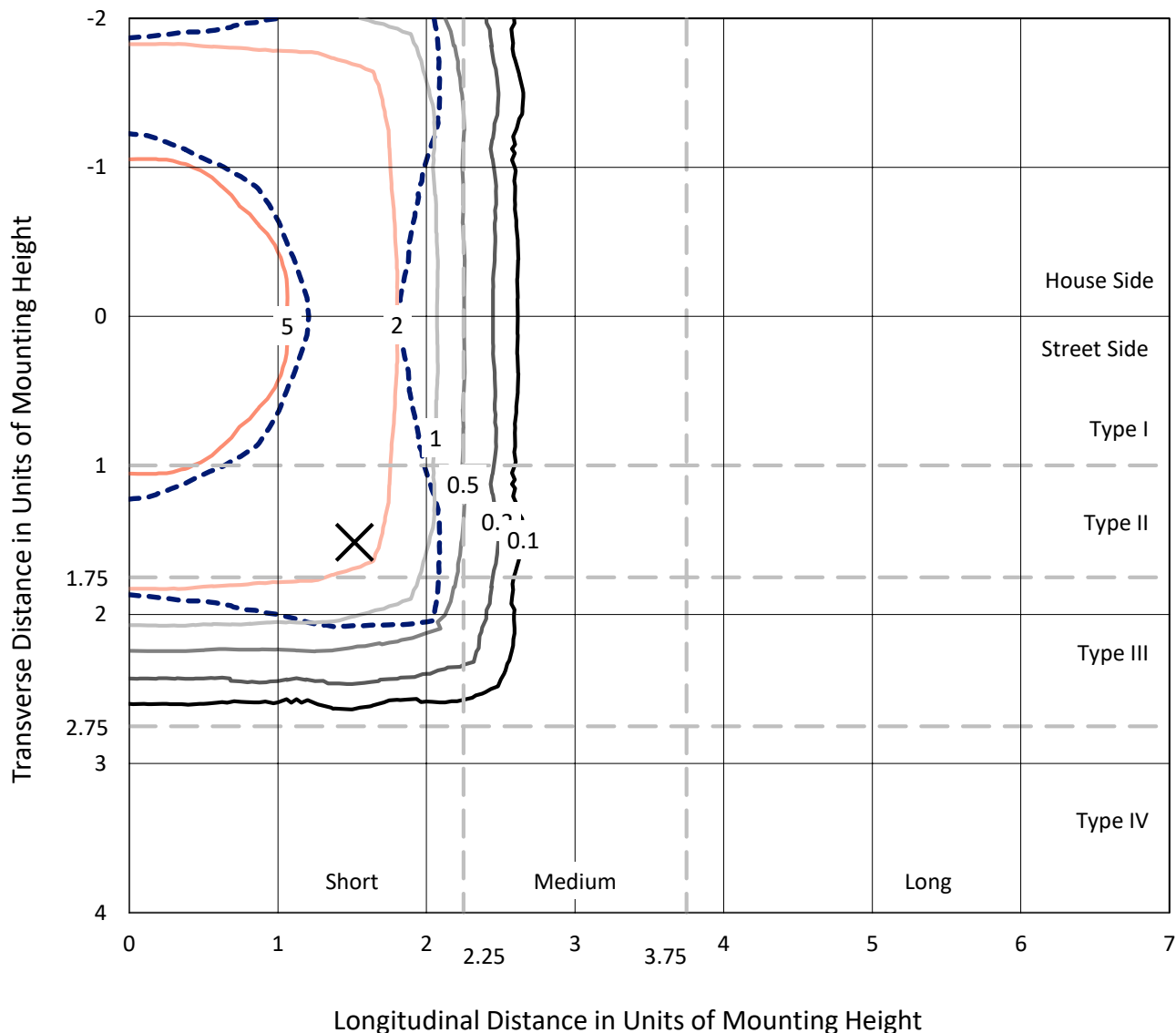
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

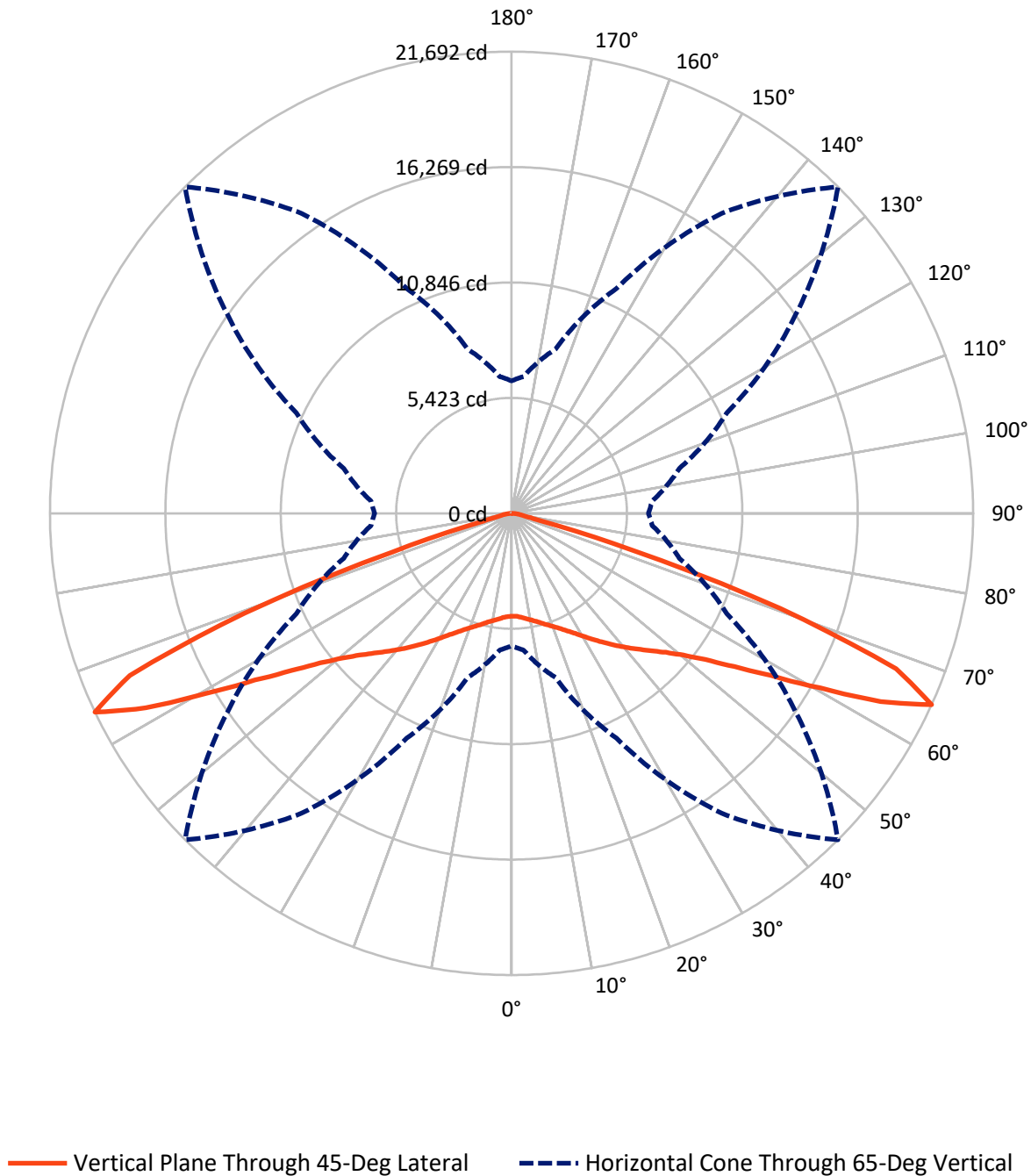
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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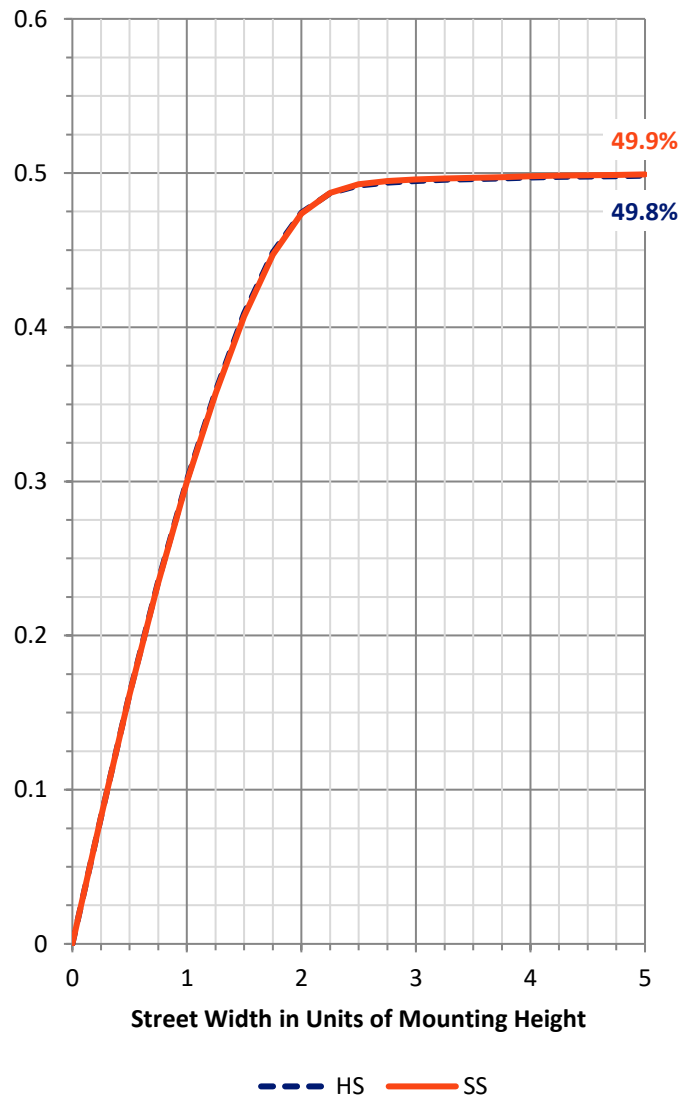
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20016.0	0.0	20016.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20016.0	0.0	20016.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40032.0	0.0	40032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.3	1.2
10°-20°	1524.6	3.8
20°-30°	2860.4	7.1
30°-40°	4730.5	11.8
40°-50°	7327.0	18.3
50°-60°	11237.5	28.1
60°-70°	10485.9	26.2
70°-80°	1220.4	3.0
80°-90°	171.5	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°	40032.0	100.0
0°-180°	40032.0	100.0

Coefficient of Utilization



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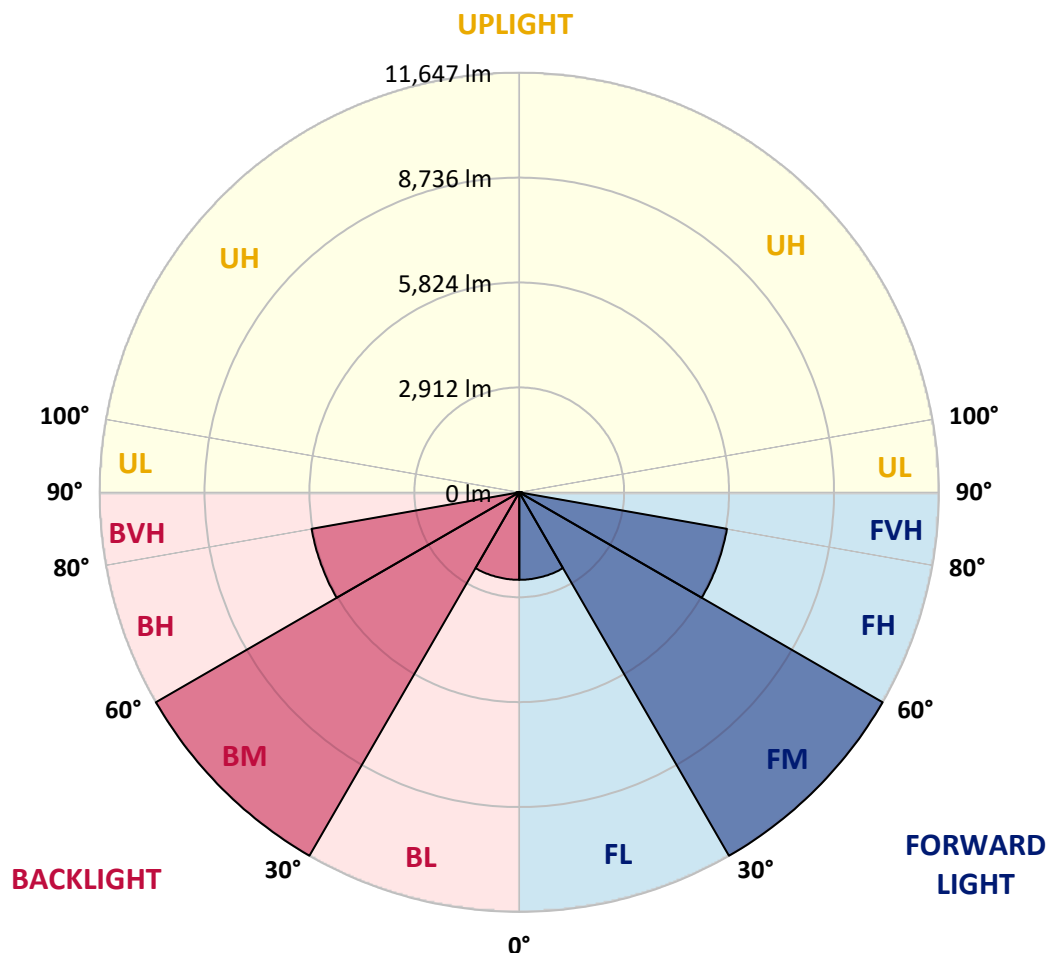
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2429.6	6.1			
FM	(30°-60°)	11647.5	29.1			
FH	(60°-80°)	5853.1	14.6			G3/7500
FVH	(80°-90°)	85.7	0.2			G1/100
BL	(0°-30°)	2429.6	6.1	B3/2500		
BM	(30°-60°)	11647.5	29.1	B5		
BH	(60°-80°)	5853.1	14.6	B5		G3/7500
BVH	(80°-90°)	85.7	0.2			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°	4834.4	4834.4	4834.4	4834.4	4834.4	4834.4	4834.4	4834.4	4834.4	4834.4	4834.4
2.5°	4850.3	4847.7	4850.3	4851.6	4843.7	4847.7	4846.3	4853.0	4855.6	4853.0	4853.0
5°	4906.1	4902.1	4907.5	4914.1	4903.5	4906.1	4902.1	4910.1	4912.8	4907.5	4911.4
7.5°	4983.2	4984.5	4989.8	5001.8	4995.2	5000.5	4992.5	4993.8	4992.5	4984.5	4985.9
10°	5066.9	5068.2	5077.6	5093.5	5096.2	5096.2	5090.8	5086.9	5081.5	5076.2	5077.6
12.5°	5167.9	5174.6	5181.2	5201.1	5201.1	5211.8	5209.1	5198.5	5189.2	5181.2	5181.2
15°	5304.8	5303.5	5311.4	5331.4	5340.7	5357.9	5357.9	5343.3	5331.4	5323.4	5320.7
17.5°	5448.3	5452.3	5457.6	5481.5	5496.1	5516.1	5518.7	5506.8	5498.8	5488.2	5481.5
20°	5615.7	5622.4	5643.6	5652.9	5666.2	5684.8	5691.5	5688.8	5680.9	5675.5	5676.9
22.5°	5811.1	5828.4	5841.6	5854.9	5870.9	5884.2	5890.8	5900.1	5892.1	5888.2	5885.5
25°	6047.6	6059.6	6086.2	6110.1	6120.7	6124.7	6132.7	6145.9	6144.6	6135.3	6135.3
27.5°	6316.0	6338.6	6371.9	6406.4	6406.4	6393.1	6419.7	6442.3	6434.3	6422.4	6406.4
30°	6641.6	6662.9	6701.4	6749.2	6725.3	6716.0	6751.9	6793.1	6781.1	6761.2	6758.6
32.5°	6992.4	7012.4	7062.9	7114.7	7084.1	7070.8	7109.4	7169.2	7147.9	7108.0	7084.1
35°	7372.5	7392.4	7464.2	7526.6	7474.8	7452.2	7484.1	7549.2	7512.0	7437.6	7419.0
37.5°	7785.8	7796.4	7889.4	7953.2	7917.3	7857.5	7897.4	7945.2	7913.3	7823.0	7787.1
40°	8215.0	8253.5	8361.1	8435.6	8373.1	8278.8	8345.2	8411.6	8363.8	8248.2	8187.1
42.5°	8716.0	8745.2	8888.7	8955.1	8854.2	8721.3	8811.6	8902.0	8854.2	8742.5	8689.4
45°	9236.9	9282.0	9453.5	9519.9	9373.7	9205.0	9315.3	9473.4	9469.4	9308.6	9252.8
47.5°	9804.3	9849.5	10054.1	10141.8	9983.7	9757.8	9913.3	10136.5	10120.6	9943.8	9898.6
50°	10459.4	10507.2	10762.4	10872.7	10725.2	10462.1	10695.9	10892.6	10863.4	10645.4	10649.4
52.5°	11282.0	11279.3	11596.9	11788.3	11636.8	11404.2	11619.5	11810.9	11689.9	11388.3	11379.0
55°	12002.2	12046.1	12439.4	12802.2	12792.9	12703.8	12790.2	12798.2	12452.7	12051.4	12002.2
57.5°	12475.3	12559.0	13113.1	13769.6	14261.3	14379.5	14212.1	13704.5	12895.2	12253.4	12175.0
60°	12184.3	12311.8	13182.2	14520.4	15968.8	16663.8	15719.0	14144.3	12551.0	11656.7	11550.4
62.5°	10220.2	10435.5	11709.9	14157.6	17438.6	19470.4	16811.3	13438.7	11182.3	9950.5	9768.4
65°	6224.4	6451.6	7987.7	11652.7	17200.7	21692.2	16313.0	11154.4	8161.8	6629.7	6433.0
67.5°	2074.3	2140.8	3045.7	6441.0	13518.4	19490.3	13541.0	6677.5	3552.0	2354.7	2285.6
70°	811.9	818.6	966.1	1867.0	6383.8	13386.9	7044.3	1900.3	1009.9	798.6	815.9
72.5°	596.7	599.3	640.5	780.0	1663.7	5897.5	1723.5	784.0	623.2	559.4	559.4
75°	479.7	479.7	509.0	568.7	745.5	1352.8	756.1	562.1	487.7	446.5	441.2
77.5°	378.7	386.7	409.3	447.8	505.0	651.1	523.6	445.2	393.3	354.8	346.8
80°	281.7	289.7	326.9	345.5	362.8	451.8	386.7	348.2	311.0	265.8	257.8
82.5°	184.7	192.7	239.2	249.8	245.8	295.0	260.5	256.5	228.6	171.4	163.4
85°	120.9	123.6	159.5	166.1	152.8	134.2	166.1	175.4	159.5	111.6	107.6
87.5°	57.1	57.1	81.1	75.7	69.1	55.8	75.7	89.0	90.4	54.5	53.2
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)