

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: P316712

Luminaire Tested: **GAN-SA8A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316712
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-SA8A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 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: 32218 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

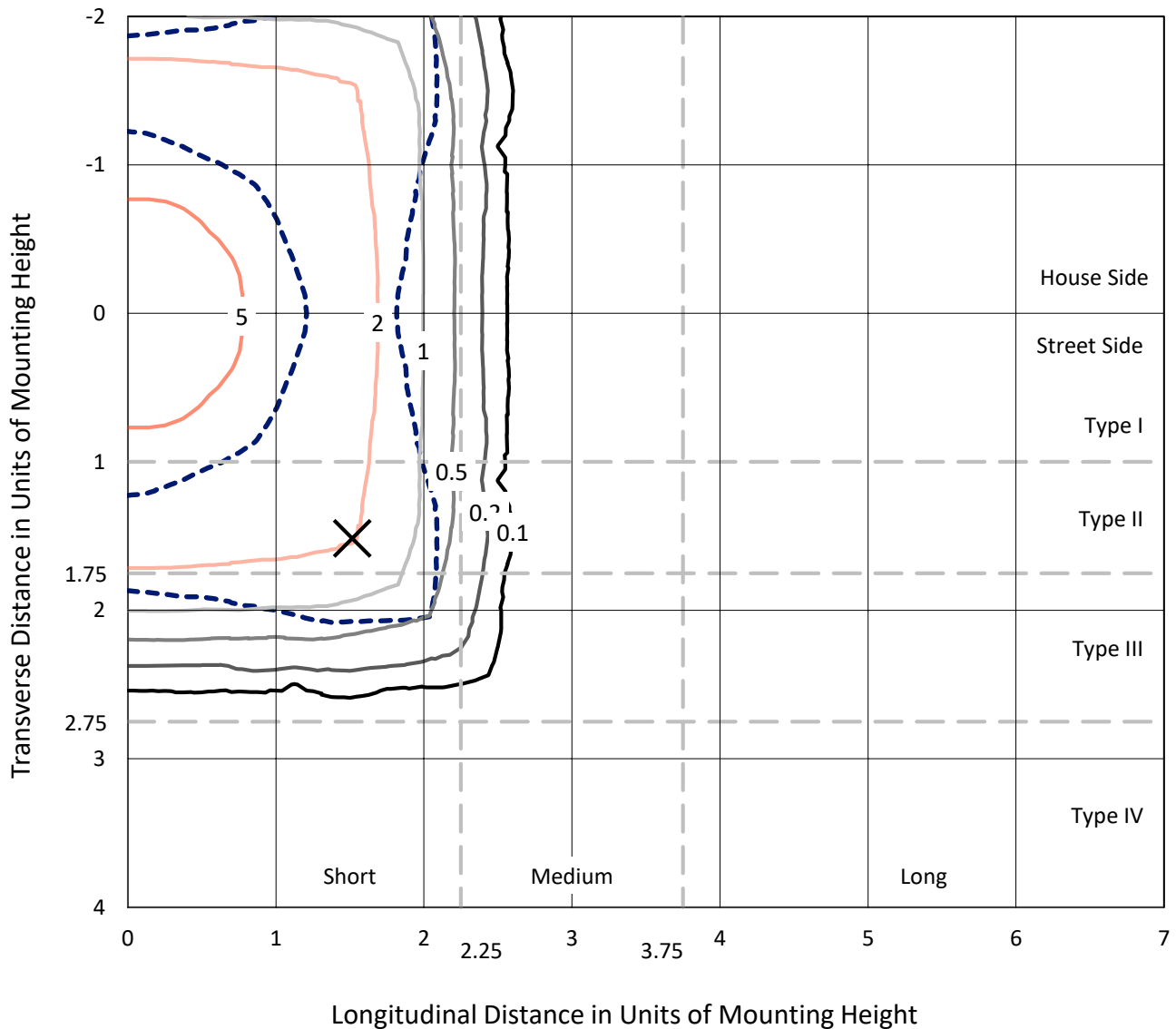
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316712
 CATALOG NUMBER: GAN-SA8A-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

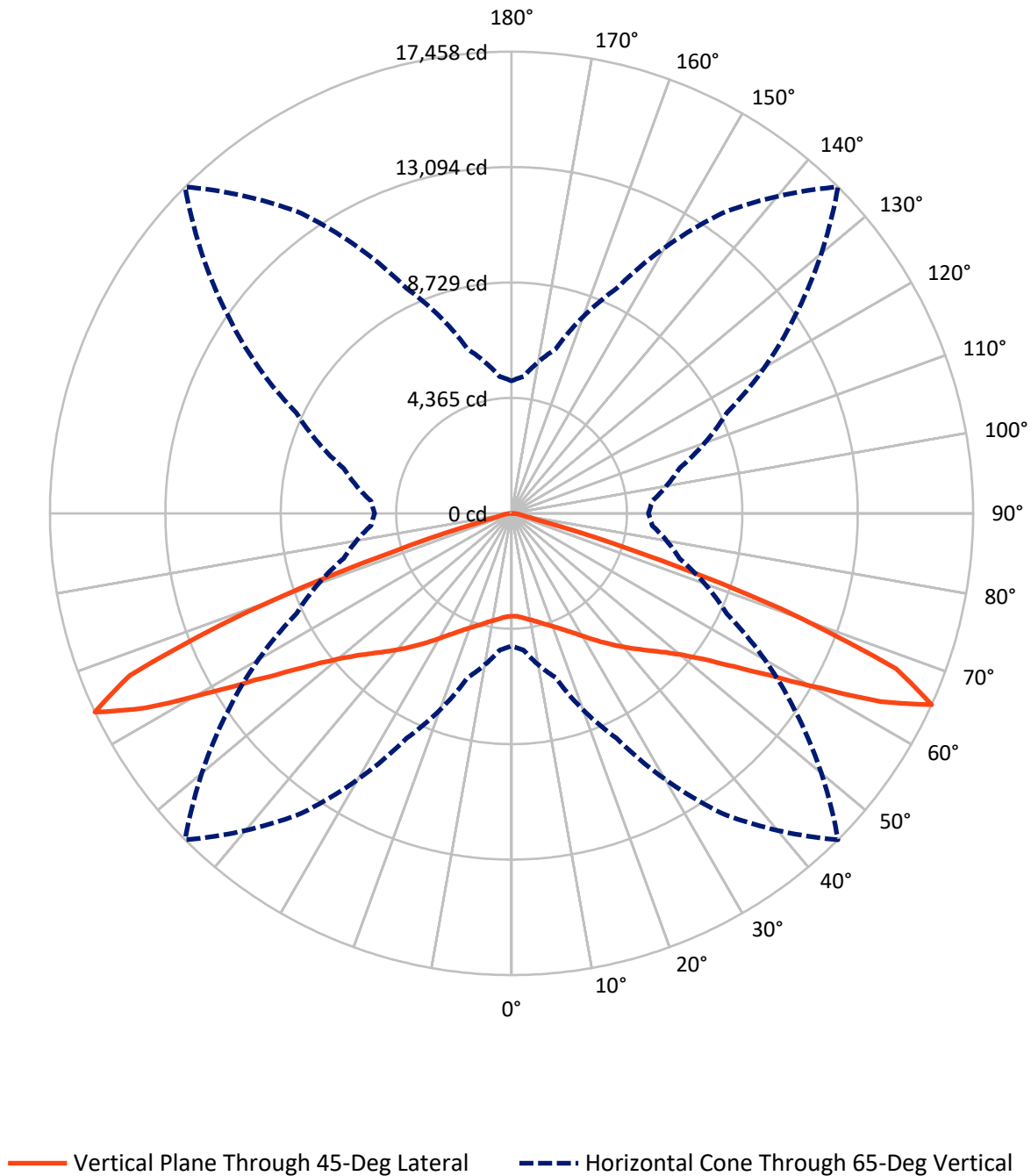
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

REPORT NUMBER: P316712
CATALOG NUMBER: GAN-SA8A-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316712

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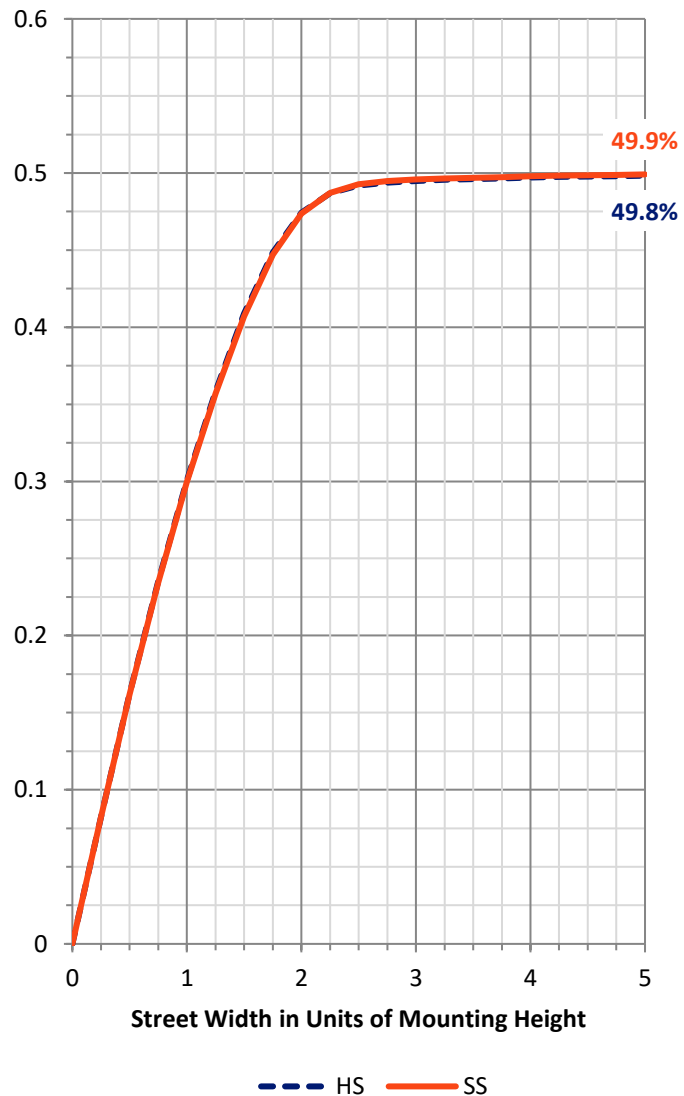
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16109.0	0.0	16109.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16109.0	0.0	16109.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32218.0	0.0	32218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.7	1.2
10°-20°	1227.0	3.8
20°-30°	2302.1	7.1
30°-40°	3807.2	11.8
40°-50°	5896.8	18.3
50°-60°	9044.0	28.1
60°-70°	8439.1	26.2
70°-80°	982.2	3.0
80°-90°	138.0	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°	32218.0	100.0
0°-180°	32218.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316712

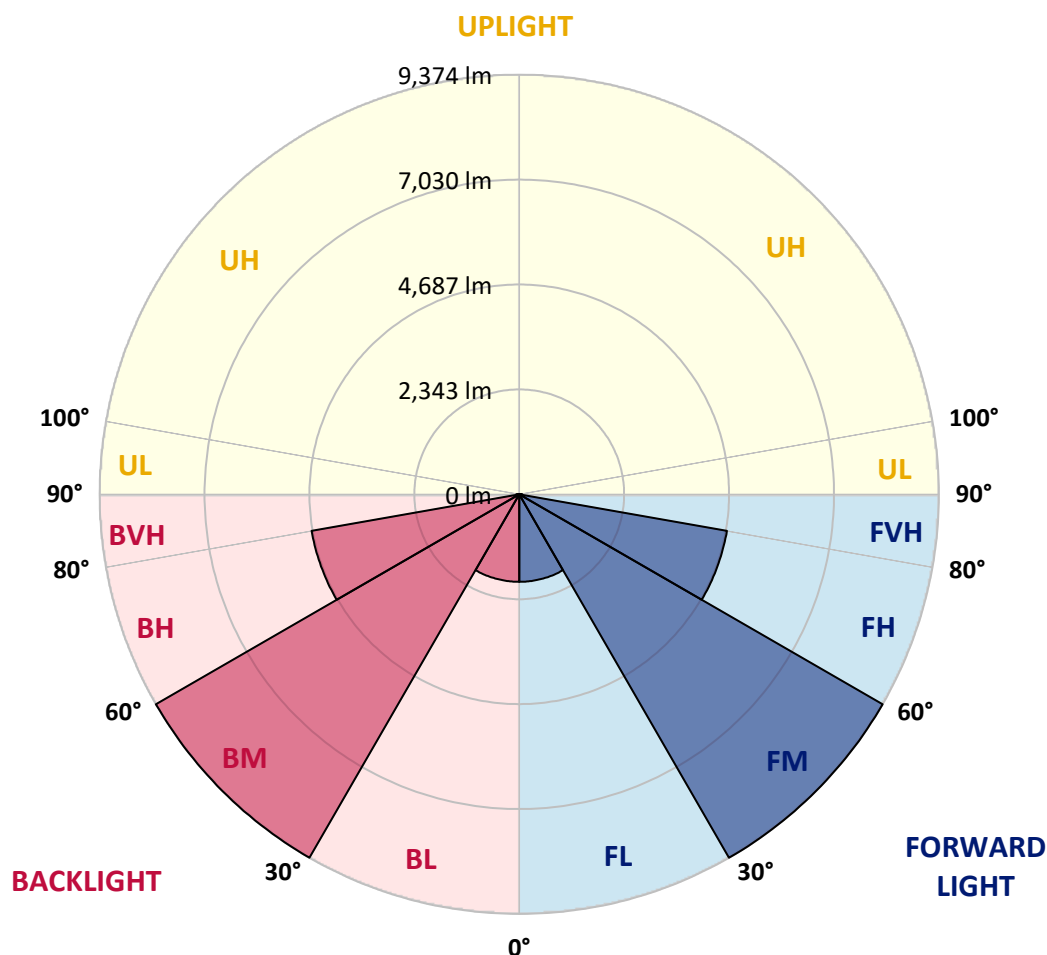
CATALOG NUMBER: GAN-SA8A-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1955.4	6.1			
FM	(30°-60°)	9374.0	29.1			
FH	(60°-80°)	4710.6	14.6			G2/5000
FVH	(80°-90°)	69.0	0.2			G1/100
BL	(0°-30°)	1955.4	6.1	B3/2500		
BM	(30°-60°)	9374.0	29.1	B5		
BH	(60°-80°)	4710.6	14.6	B4/5000		G2/5000
BVH	(80°-90°)	69.0	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-G2

Type V Short





REPORT NUMBER: P316712

CATALOG NUMBER: GAN-SA8A-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7
2.5°	3903.6	3901.4	3903.6	3904.6	3898.2	3901.4	3900.4	3905.7	3907.8	3905.7	3905.7
5°	3948.5	3945.3	3949.6	3954.9	3946.3	3948.5	3945.3	3951.7	3953.8	3949.6	3952.8
7.5°	4010.5	4011.6	4015.9	4025.5	4020.1	4024.4	4018.0	4019.1	4018.0	4011.6	4012.7
10°	4077.9	4079.0	4086.4	4099.3	4101.4	4101.4	4097.1	4093.9	4089.7	4085.4	4086.4
12.5°	4159.2	4164.5	4169.9	4185.9	4185.9	4194.5	4192.3	4183.8	4176.3	4169.9	4169.9
15°	4269.3	4268.3	4274.7	4290.7	4298.2	4312.1	4312.1	4300.3	4290.7	4284.3	4282.2
17.5°	4384.8	4388.0	4392.3	4411.6	4423.3	4439.4	4441.5	4431.9	4425.5	4416.9	4411.6
20°	4519.6	4524.9	4542.0	4549.5	4560.2	4575.2	4580.5	4578.4	4572.0	4567.7	4568.8
22.5°	4676.8	4690.7	4701.4	4712.1	4724.9	4735.6	4741.0	4748.4	4742.0	4738.8	4736.7
25°	4867.2	4876.8	4898.2	4917.4	4926.0	4929.2	4935.6	4946.3	4945.2	4937.7	4937.7
27.5°	5083.2	5101.4	5128.1	5155.9	5155.9	5145.2	5166.6	5184.8	5178.4	5168.7	5155.9
30°	5345.2	5362.3	5393.3	5431.8	5412.6	5405.1	5434.0	5467.1	5457.5	5441.5	5439.3
32.5°	5627.6	5643.6	5684.2	5725.9	5701.3	5690.6	5721.7	5769.8	5752.7	5720.6	5701.3
35°	5933.4	5949.5	6007.2	6057.5	6015.8	5997.6	6023.3	6075.7	6045.7	5985.8	5970.9
37.5°	6266.0	6274.6	6349.4	6400.8	6371.9	6323.8	6355.9	6394.4	6368.7	6296.0	6267.1
40°	6611.5	6642.5	6729.1	6789.0	6738.7	6662.8	6716.3	6769.7	6731.2	6638.2	6589.0
42.5°	7014.7	7038.2	7153.7	7207.2	7125.9	7018.9	7091.7	7164.4	7125.9	7036.0	6993.3
45°	7433.9	7470.2	7608.2	7661.7	7544.0	7408.2	7497.0	7624.3	7621.0	7491.6	7446.7
47.5°	7890.5	7926.9	8091.6	8162.2	8034.9	7853.1	7978.2	8157.9	8145.1	8002.8	7966.5
50°	8417.8	8456.3	8661.6	8750.4	8631.7	8419.9	8608.2	8766.4	8742.9	8567.5	8570.7
52.5°	9079.8	9077.7	9333.3	9487.3	9365.3	9178.2	9351.4	9505.4	9408.1	9165.4	9157.9
55°	9659.5	9694.7	10011.3	10303.3	10295.8	10224.1	10293.6	10300.1	10022.0	9699.0	9659.5
57.5°	10040.2	10107.6	10553.5	11081.8	11477.6	11572.7	11438.0	11029.4	10378.1	9861.6	9798.5
60°	9806.0	9908.6	10609.1	11686.1	12851.8	13411.2	12650.8	11383.4	10101.1	9381.4	9295.8
62.5°	8225.3	8398.5	9424.2	11394.1	14034.7	15669.9	13529.9	10815.5	8999.6	8008.2	7861.7
65°	5009.4	5192.3	6428.6	9378.2	13843.2	17458.0	13128.8	8977.1	6568.7	5335.6	5177.3
67.5°	1669.4	1722.9	2451.2	5183.7	10879.7	15685.9	10897.9	5374.1	2858.7	1895.1	1839.5
70°	653.4	658.8	777.5	1502.6	5137.7	10773.8	5669.3	1529.3	812.8	642.8	656.7
72.5°	480.2	482.3	515.5	627.8	1339.0	4746.3	1387.1	631.0	501.6	450.2	450.2
75°	386.1	386.1	409.6	457.7	600.0	1088.7	608.5	452.4	392.5	359.3	355.1
77.5°	304.8	311.2	329.4	360.4	406.4	524.0	421.4	358.3	316.6	285.5	279.1
80°	226.7	233.1	263.1	278.1	292.0	363.6	311.2	280.2	250.3	213.9	207.5
82.5°	148.7	155.1	192.5	201.1	197.9	237.4	209.6	206.4	183.9	138.0	131.5
85°	97.3	99.5	128.3	133.7	123.0	108.0	133.7	141.2	128.3	89.8	86.6
87.5°	46.0	46.0	65.2	61.0	55.6	44.9	61.0	71.7	72.7	43.8	42.8
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)