

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: P316741

Luminaire Tested: **GAN-SA7D-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316741
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-SA7D-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 47342 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

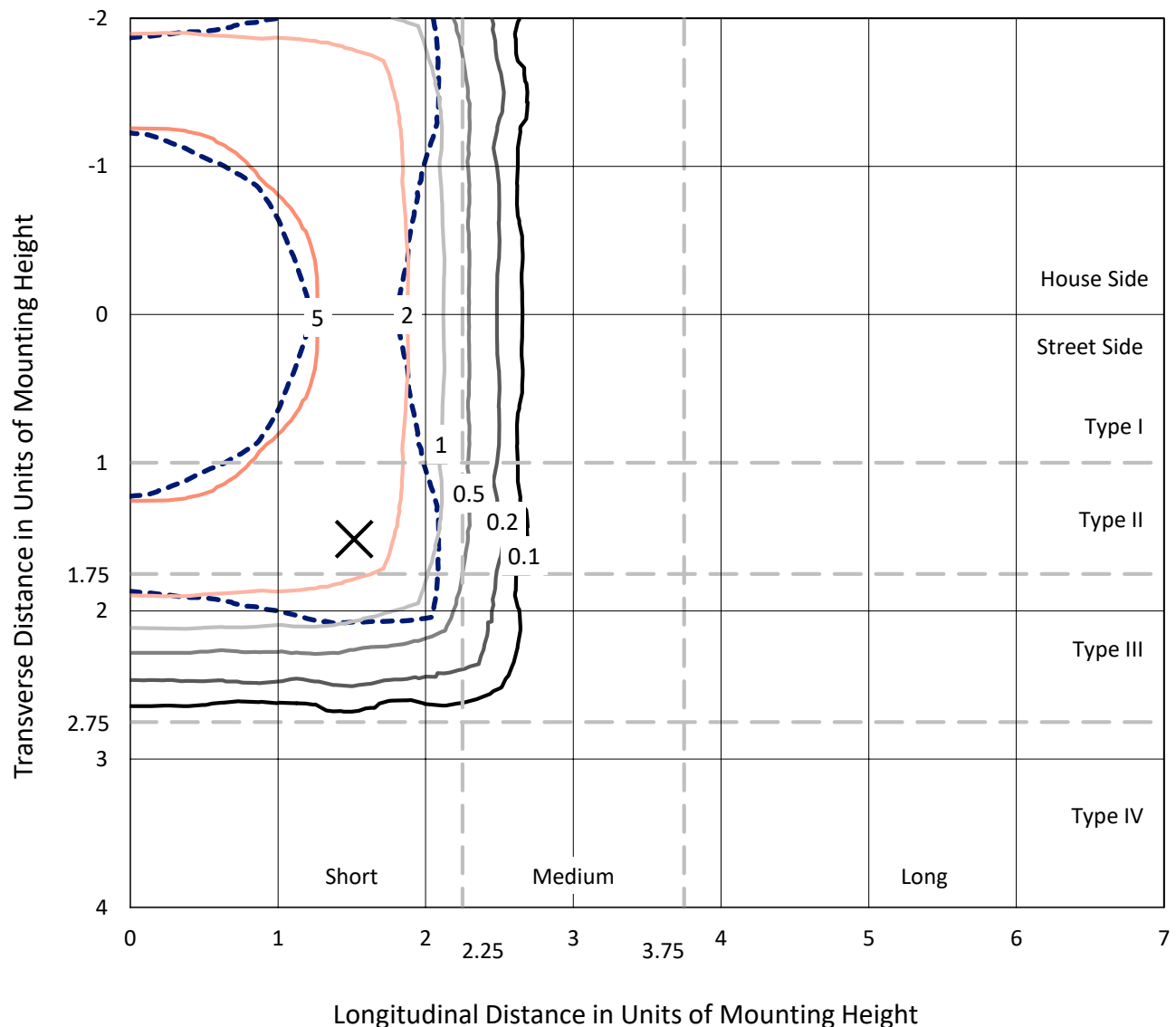
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316741
 CATALOG NUMBER: GAN-SA7D-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

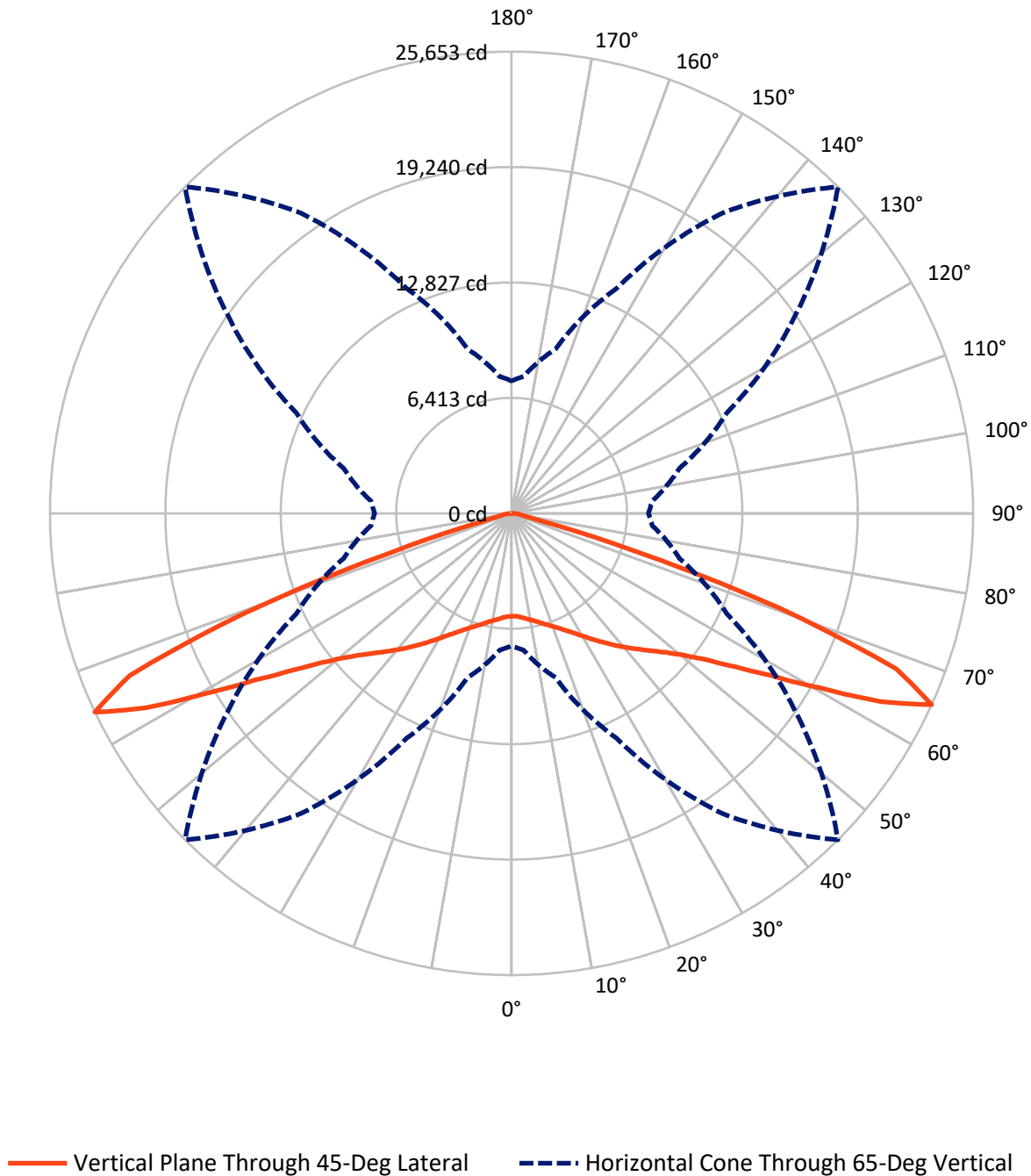
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Short - N/A

REPORT NUMBER: P316741
CATALOG NUMBER: GAN-SA7D-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316741

CATALOG NUMBER: GAN-SA7D-727-U-5NQ

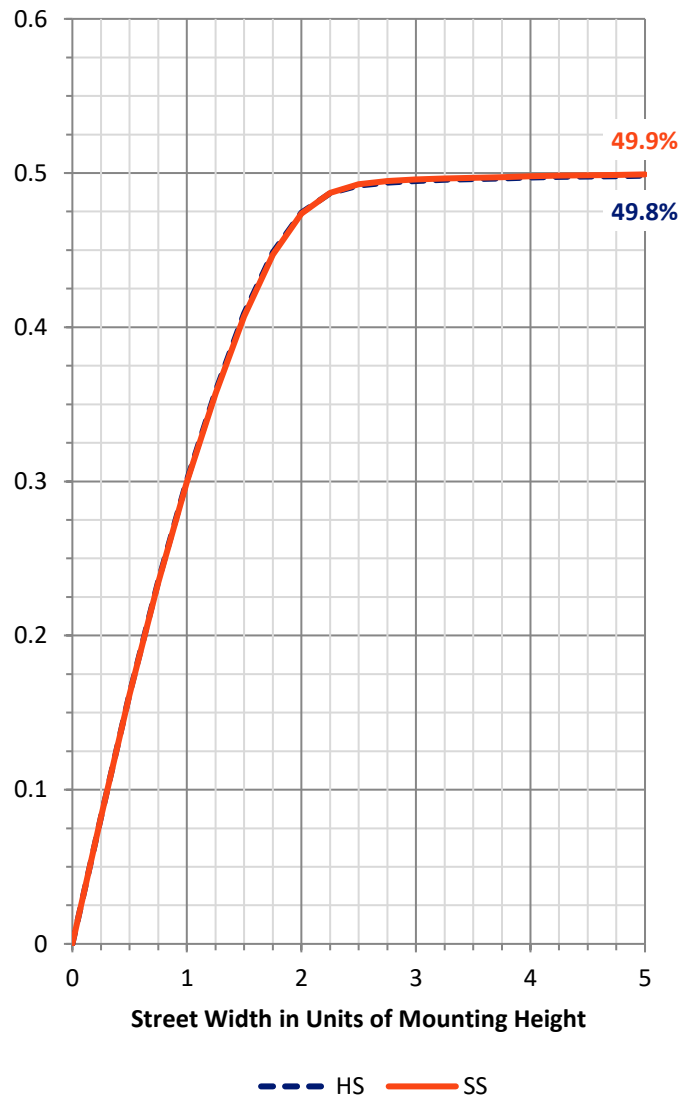
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23671.0	0.0	23671.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23671.0	0.0	23671.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47342.0	0.0	47342.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.9	1.2
10°-20°	1803.0	3.8
20°-30°	3382.7	7.1
30°-40°	5594.3	11.8
40°-50°	8664.9	18.3
50°-60°	13289.5	28.1
60°-70°	12400.6	26.2
70°-80°	1443.2	3.0
80°-90°	202.8	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°	47342.0	100.0
0°-180°	47342.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316741

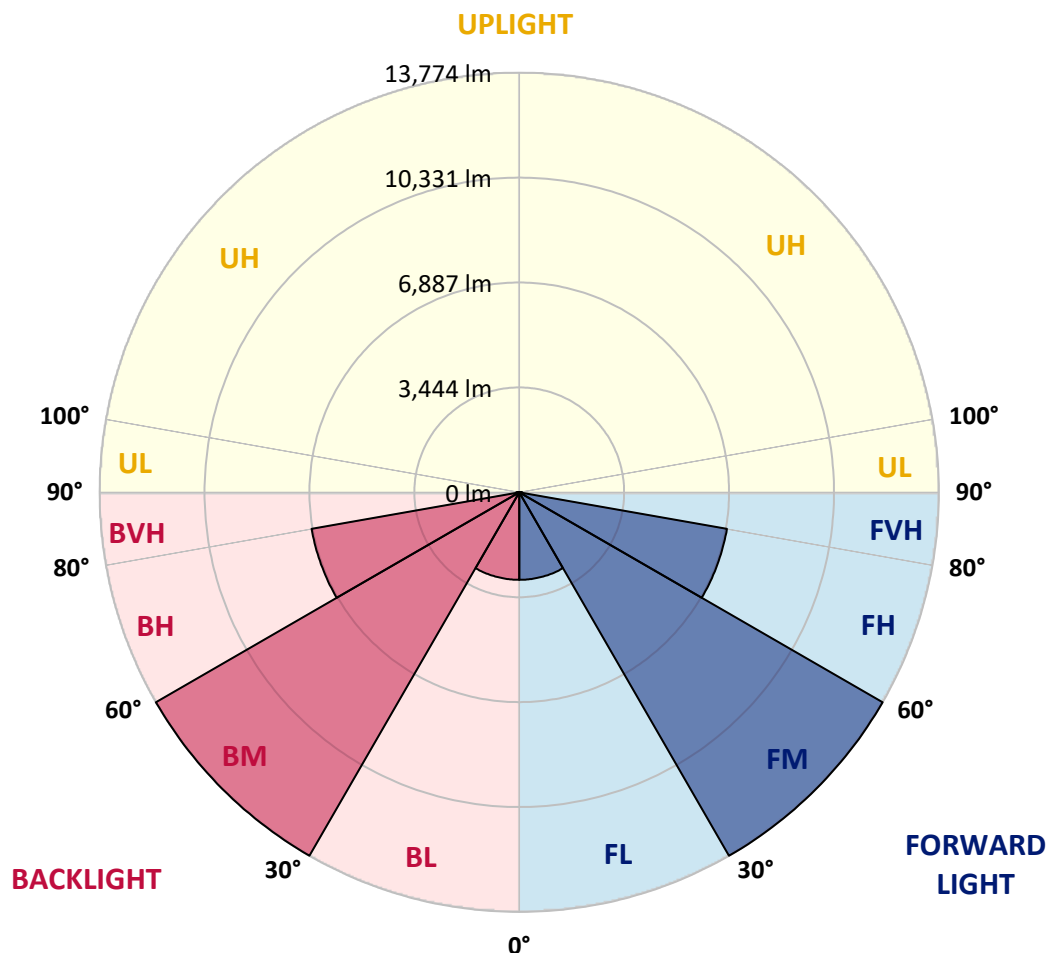
CATALOG NUMBER: GAN-SA7D-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2873.3	6.1			
FM	(30°-60°)	13774.4	29.1			
FH	(60°-80°)	6921.9	14.6			G3/7500
FVH	(80°-90°)	101.4	0.2			G2/225
BL	(0°-30°)	2873.3	6.1	B4/5000		
BM	(30°-60°)	13774.4	29.1	B5		
BH	(60°-80°)	6921.9	14.6	B5		G3/7500
BVH	(80°-90°)	101.4	0.2			G2/225
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: P316741

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5717.1	5717.1	5717.1	5717.1	5717.1	5717.1	5717.1	5717.1	5717.1	5717.1	5717.1
2.5°	5736.0	5732.9	5736.0	5737.6	5728.1	5732.9	5731.3	5739.1	5742.3	5739.1	5739.1
5°	5802.0	5797.3	5803.6	5811.4	5798.9	5802.0	5797.3	5806.7	5809.9	5803.6	5808.3
7.5°	5893.2	5894.7	5901.0	5915.2	5907.3	5913.6	5904.2	5905.7	5904.2	5894.7	5896.3
10°	5992.2	5993.7	6004.7	6023.6	6026.7	6026.7	6020.4	6015.7	6009.4	6003.2	6004.7
12.5°	6111.6	6119.5	6127.3	6150.9	6150.9	6163.5	6160.3	6147.7	6136.7	6127.3	6127.3
15°	6273.5	6271.9	6281.3	6304.9	6315.9	6336.3	6336.3	6319.0	6304.9	6295.5	6292.3
17.5°	6443.2	6447.9	6454.2	6482.5	6499.8	6523.3	6526.5	6512.3	6502.9	6490.3	6482.5
20°	6641.2	6649.1	6674.2	6685.2	6700.9	6722.9	6730.8	6727.6	6718.2	6711.9	6713.5
22.5°	6872.2	6892.6	6908.3	6924.1	6942.9	6958.6	6966.5	6977.5	6968.1	6963.4	6960.2
25°	7151.9	7166.1	7197.5	7225.8	7238.4	7243.1	7252.5	7268.2	7266.7	7255.7	7255.7
27.5°	7469.4	7496.1	7535.4	7576.2	7576.2	7560.5	7592.0	7618.7	7609.2	7595.1	7576.2
30°	7854.4	7879.5	7925.1	7981.7	7953.4	7942.4	7984.8	8033.5	8019.4	7995.8	7992.7
32.5°	8269.3	8292.8	8352.6	8413.9	8377.7	8362.0	8407.6	8478.3	8453.1	8406.0	8377.7
35°	8718.7	8742.3	8827.2	8901.0	8839.7	8813.0	8850.7	8927.7	8883.7	8795.7	8773.7
37.5°	9207.5	9220.0	9330.0	9405.5	9363.0	9292.3	9339.5	9396.0	9358.3	9251.5	9209.0
40°	9715.1	9760.6	9887.9	9975.9	9902.1	9790.5	9869.1	9947.6	9891.1	9754.4	9682.1
42.5°	10307.5	10342.1	10511.8	10590.4	10471.0	10313.8	10420.7	10527.5	10471.0	10339.0	10276.1
45°	10923.6	10977.0	11179.7	11258.3	11085.4	10885.8	11016.3	11203.3	11198.6	11008.4	10942.4
47.5°	11594.6	11648.0	11890.0	11993.7	11806.7	11539.6	11723.4	11987.5	11968.6	11759.6	11706.2
50°	12369.3	12425.9	12727.6	12858.1	12683.6	12372.5	12649.1	12881.7	12847.1	12589.4	12594.1
52.5°	13342.1	13339.0	13714.6	13940.8	13761.7	13486.7	13741.3	13967.6	13824.6	13467.8	13456.8
55°	14193.9	14245.7	14710.9	15139.9	15128.9	15023.6	15125.8	15135.2	14726.6	14252.0	14193.9
57.5°	14753.3	14852.3	15507.6	16284.0	16865.4	17005.3	16807.3	16207.0	15249.9	14490.9	14398.2
60°	14409.2	14560.0	15589.4	17171.9	18884.8	19706.7	18589.4	16727.1	14842.9	13785.3	13659.5
62.5°	12086.5	12341.1	13848.1	16742.8	20622.9	23025.7	19881.1	15892.7	13224.2	11767.5	11552.2
65°	7360.9	7629.7	9446.3	13780.6	20341.6	25653.3	19291.8	13191.2	9652.2	7840.3	7607.7
67.5°	2453.1	2531.7	3601.9	7617.1	15987.0	23049.3	16013.7	7896.8	4200.6	2784.7	2703.0
70°	960.2	968.0	1142.5	2208.0	7549.5	15831.4	8330.6	2247.3	1194.3	944.5	964.9
72.5°	705.6	708.8	757.5	922.5	1967.5	6974.4	2038.2	927.2	737.0	661.6	661.6
75°	567.3	567.3	601.9	672.6	881.6	1599.8	894.2	664.7	576.7	528.0	521.7
77.5°	447.9	457.3	484.0	529.6	597.2	770.0	619.2	526.5	465.2	419.6	410.2
80°	333.2	342.6	386.6	408.6	429.0	534.3	457.3	411.7	367.7	314.3	304.9
82.5°	218.4	227.9	282.9	295.4	290.7	348.9	308.0	303.3	270.3	202.7	193.3
85°	143.0	146.2	188.6	196.4	180.7	158.7	196.4	207.4	188.6	132.0	127.3
87.5°	67.6	67.6	95.9	89.6	81.7	66.0	89.6	105.3	106.9	64.4	62.9
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)