

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: P316571

Luminaire Tested: **GAN-SA7C-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316571
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-SA7C-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52554 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

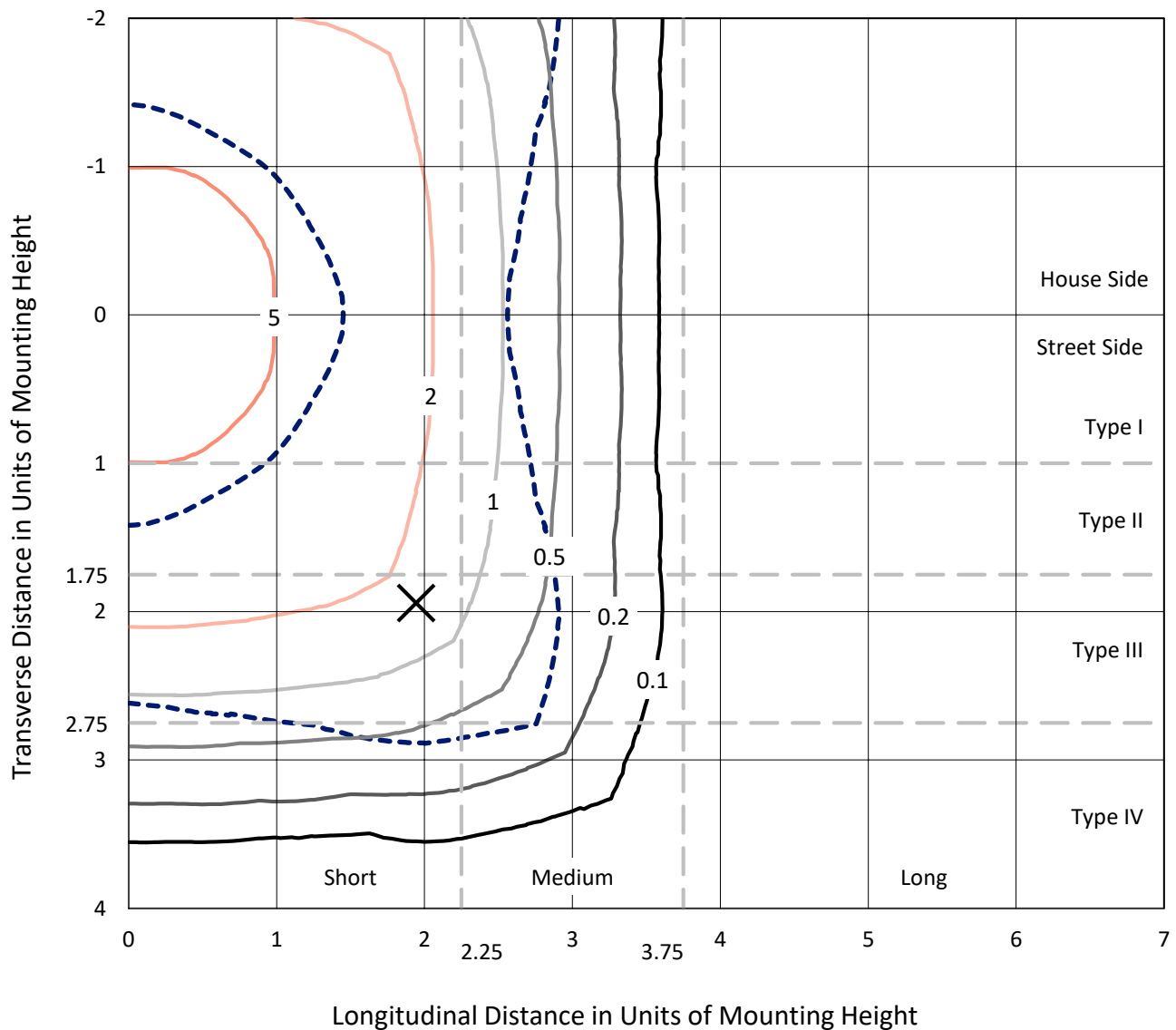
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

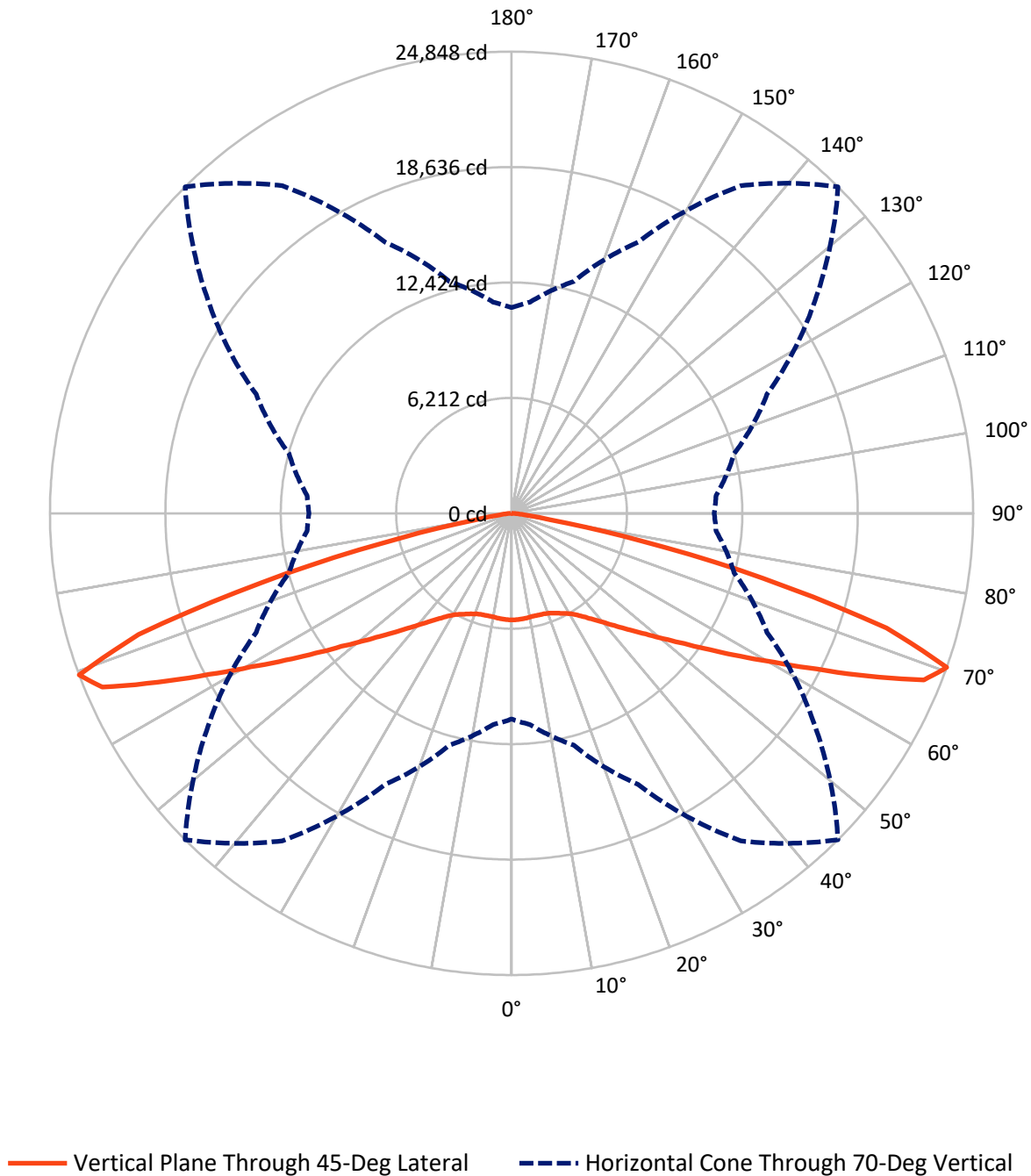
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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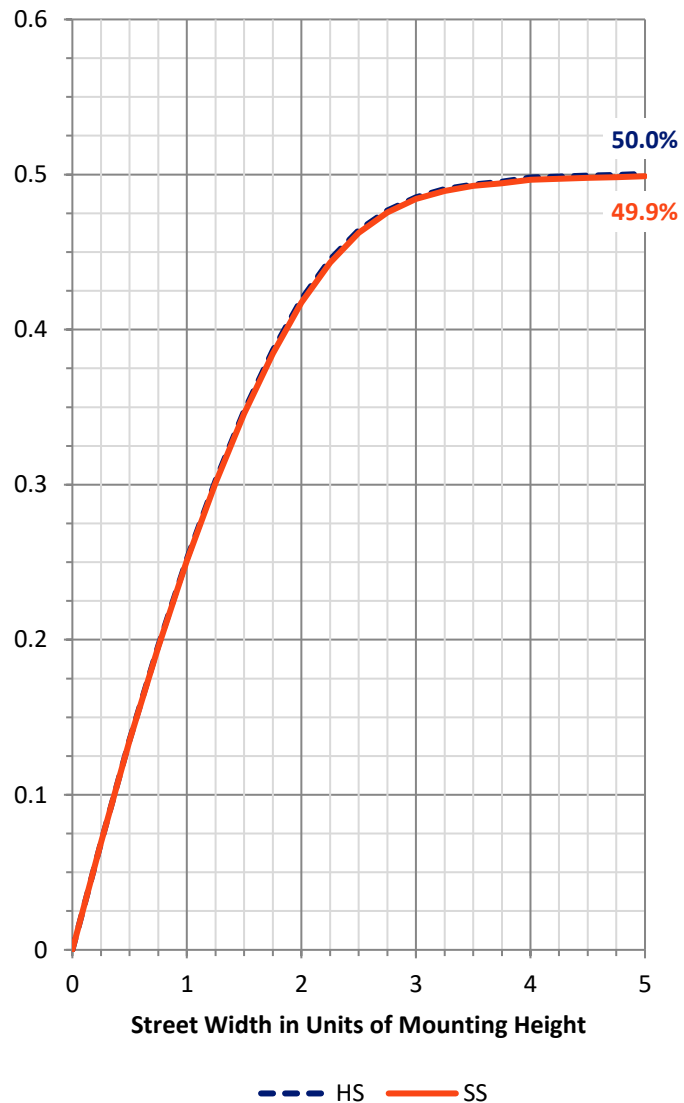
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26277.0	0.0	26277.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26277.0	0.0	26277.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52554.0	0.0	52554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.6	1.0
10°-20°	1595.9	3.0
20°-30°	2716.7	5.2
30°-40°	4308.7	8.2
40°-50°	7011.6	13.3
50°-60°	11560.9	22.0
60°-70°	16971.7	32.3
70°-80°	7504.9	14.3
80°-90°	339.9	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°	52554.0	100.0
0°-180°	52554.0	100.0

Coefficient of Utilization



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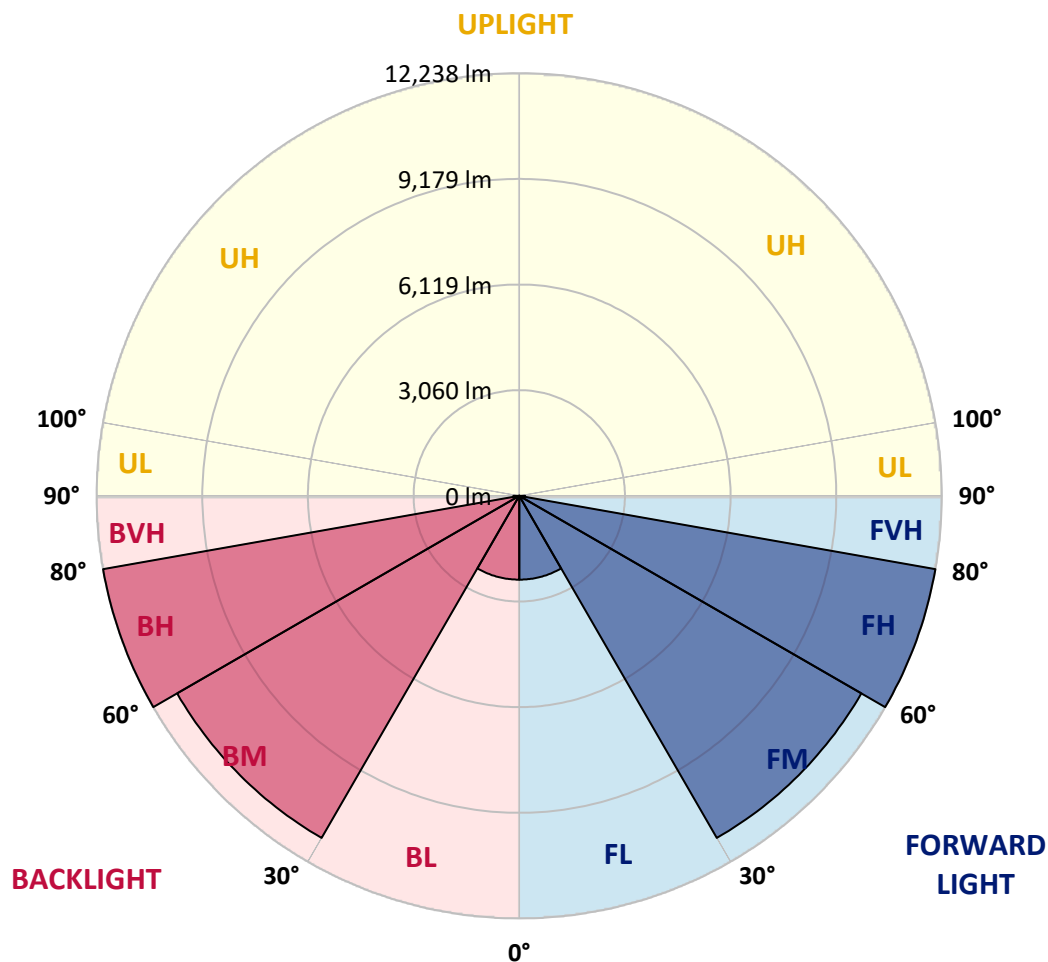
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2428.1	4.6			
FM	(30°-60°)	11440.6	21.8			
FH	(60°-80°)	12238.3	23.3			G5
FVH	(80°-90°)	169.9	0.3			G2/225
BL	(0°-30°)	2428.1	4.6	B3/2500		
BM	(30°-60°)	11440.6	21.8	B5		
BH	(60°-80°)	12238.3	23.3	B5		G5
BVH	(80°-90°)	169.9	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5739.7	5739.7	5739.7	5739.7	5739.7	5739.7	5739.7	5739.7	5739.7	5739.7	5739.7
2.5°	5731.0	5725.8	5738.0	5736.2	5725.8	5727.5	5727.5	5732.8	5732.8	5729.3	5729.3
5°	5710.1	5706.7	5720.6	5720.6	5710.1	5713.6	5717.1	5722.3	5720.6	5717.1	5715.4
7.5°	5684.1	5682.3	5696.2	5696.2	5689.3	5692.8	5689.3	5691.0	5687.5	5684.1	5678.8
10°	5640.6	5644.1	5656.2	5659.7	5659.7	5661.4	5658.0	5649.3	5644.1	5638.8	5633.6
12.5°	5600.6	5598.8	5616.2	5624.9	5638.8	5654.5	5644.1	5619.7	5609.3	5598.8	5595.4
15°	5574.5	5576.2	5593.6	5609.3	5633.6	5666.7	5654.5	5616.2	5595.4	5583.2	5579.7
17.5°	5569.3	5572.7	5595.4	5623.2	5649.3	5685.8	5678.8	5640.6	5605.8	5583.2	5578.0
20°	5581.4	5583.2	5618.0	5658.0	5703.2	5738.0	5722.3	5680.6	5633.6	5598.8	5590.1
22.5°	5604.0	5611.0	5654.5	5717.1	5786.7	5833.6	5814.5	5743.2	5670.1	5626.7	5614.5
25°	5675.4	5677.1	5736.2	5821.5	5904.9	5958.9	5936.3	5835.4	5741.5	5692.8	5677.1
27.5°	5823.2	5828.4	5887.6	5986.7	6058.0	6092.8	6078.9	5997.1	5917.1	5864.9	5870.2
30°	6037.1	6044.1	6110.2	6219.8	6263.2	6271.9	6268.5	6230.2	6157.1	6087.6	6092.8
32.5°	6298.0	6301.5	6390.2	6489.4	6524.1	6531.1	6524.1	6489.4	6402.4	6308.5	6313.7
35°	6633.7	6644.2	6729.4	6825.0	6852.9	6866.8	6854.6	6809.4	6718.9	6626.8	6623.3
37.5°	7047.7	7049.4	7138.1	7237.3	7272.0	7275.5	7261.6	7232.0	7119.0	7035.5	7030.3
40°	7527.7	7534.7	7639.0	7745.1	7759.1	7743.4	7762.5	7745.1	7628.6	7532.9	7548.6
42.5°	8112.1	8127.8	8253.0	8357.4	8317.4	8308.7	8320.8	8326.1	8232.1	8115.6	8105.2
45°	8792.2	8806.1	8962.7	9046.1	9020.0	8962.7	8987.0	9028.7	8898.3	8753.9	8767.8
47.5°	9567.9	9602.7	9769.7	9848.0	9783.6	9705.3	9752.3	9814.9	9661.9	9482.7	9474.0
50°	10430.6	10474.1	10696.7	10806.3	10742.0	10597.6	10675.9	10717.6	10496.7	10265.4	10246.3
52.5°	11350.7	11394.2	11674.2	11900.3	11858.6	11634.2	11743.8	11700.3	11446.4	11135.0	11110.7
55°	12392.6	12410.0	12712.6	13077.9	13119.6	12954.4	12947.4	12876.1	12500.4	12140.4	12123.0
57.5°	13464.0	13476.2	13867.5	14298.8	14495.4	14495.4	14300.6	14149.3	13650.1	13232.7	13189.2
60°	14620.6	14664.1	15097.2	15683.3	16142.5	16278.2	15933.8	15521.6	14978.9	14469.3	14418.9
62.5°	15650.3	15700.7	16363.4	17236.5	17974.0	18468.0	17626.1	16954.8	15966.8	15149.4	15053.7
65°	15780.7	15916.4	16881.7	18462.7	20113.4	21099.5	19485.5	17831.4	16031.2	14895.4	14798.0
67.5°	14411.9	14641.5	15946.0	18407.1	21817.9	23934.6	20673.4	17330.5	14876.3	13620.5	13512.7
70°	11074.2	11408.1	12912.6	16100.8	21523.9	24847.7	19929.0	15172.0	12403.0	11051.6	10900.2
72.5°	6075.4	6212.8	7566.0	11025.5	17255.7	21115.2	16622.6	11218.5	8225.2	6692.9	6438.9
75°	1927.2	1975.9	2664.6	4511.8	9761.0	13985.8	10559.3	5506.6	3031.6	2235.0	2208.9
77.5°	855.7	861.0	963.6	1316.7	3362.1	7085.9	4038.7	1499.3	1033.1	902.7	932.3
80°	540.9	540.9	596.6	652.2	914.9	2057.6	1092.3	713.1	608.8	565.3	577.5
82.5°	259.2	287.0	387.9	417.4	502.7	692.2	560.1	466.1	407.0	302.6	281.8
85°	170.5	142.6	245.2	276.5	292.2	332.2	325.3	307.9	266.1	151.3	168.7
87.5°	76.5	73.1	127.0	116.5	109.6	83.5	125.2	154.8	149.6	74.8	74.8
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)