

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: P316573

Luminaire Tested: **GAN-SA9C-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316573
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-SA9C-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 66426 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 501
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

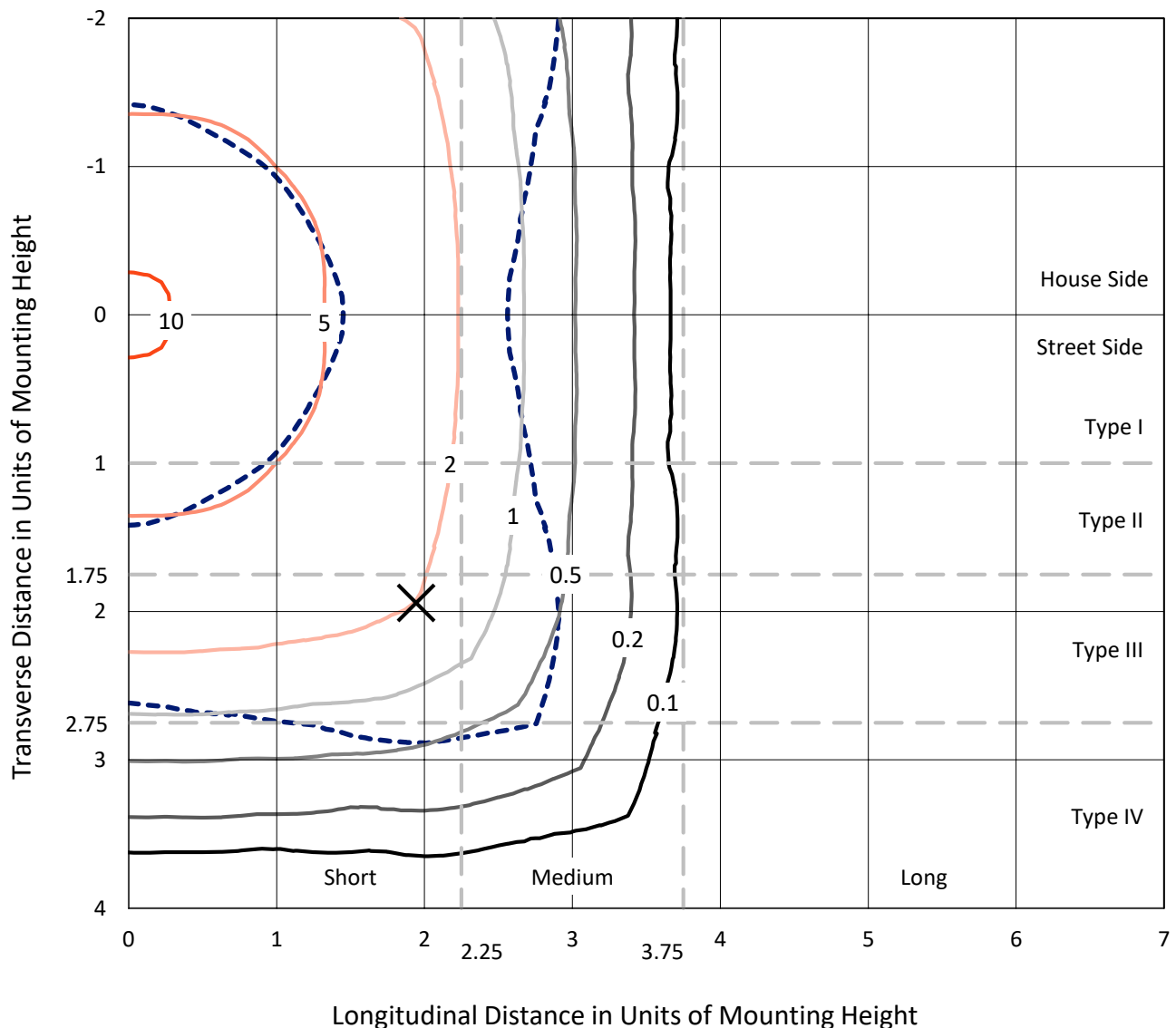


REPORT NUMBER: P316573

CATALOG NUMBER: GAN-SA9C-760-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

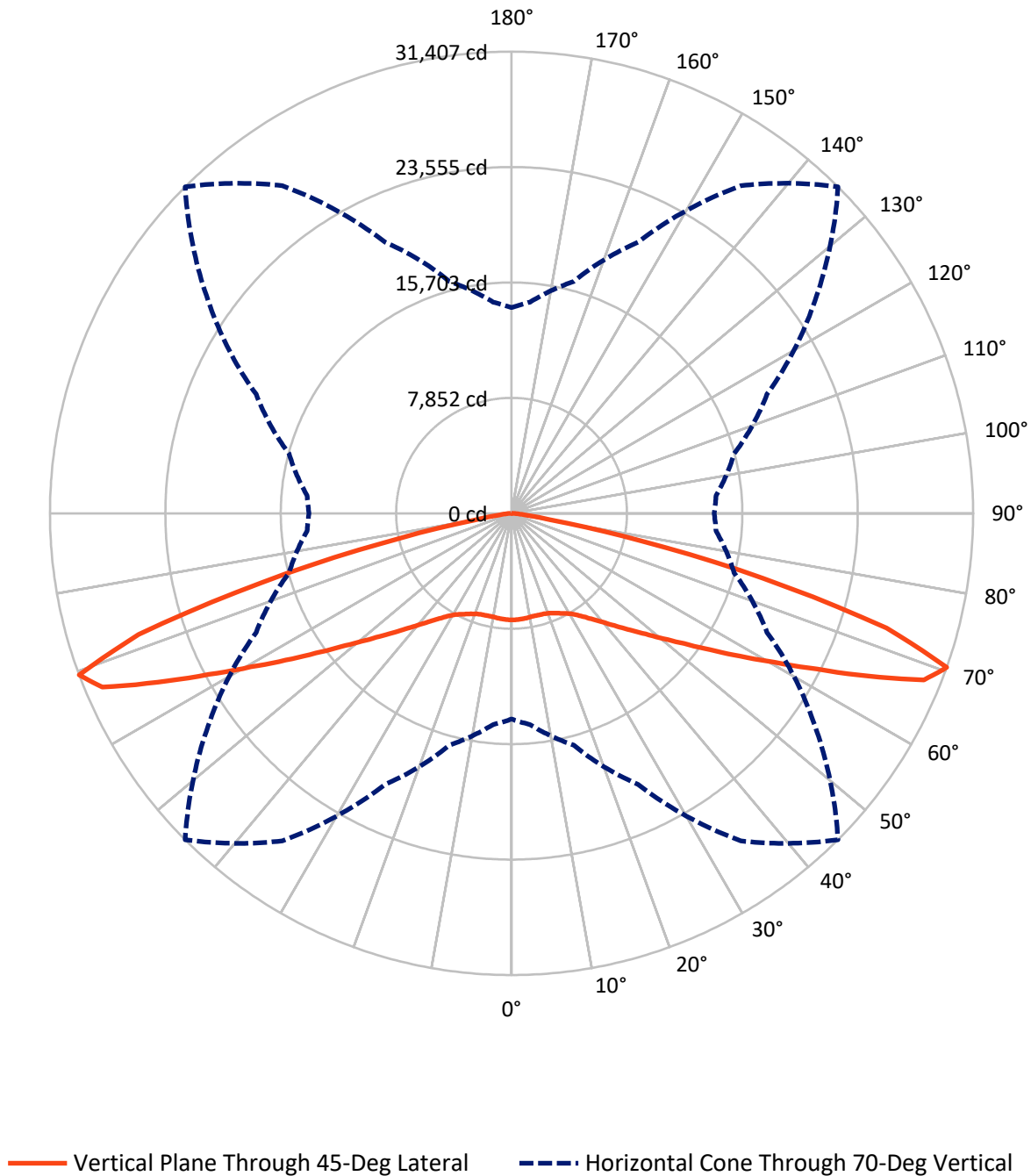
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
Type V - Short - N/A

REPORT NUMBER: P316573
CATALOG NUMBER: GAN-SA9C-760-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316573

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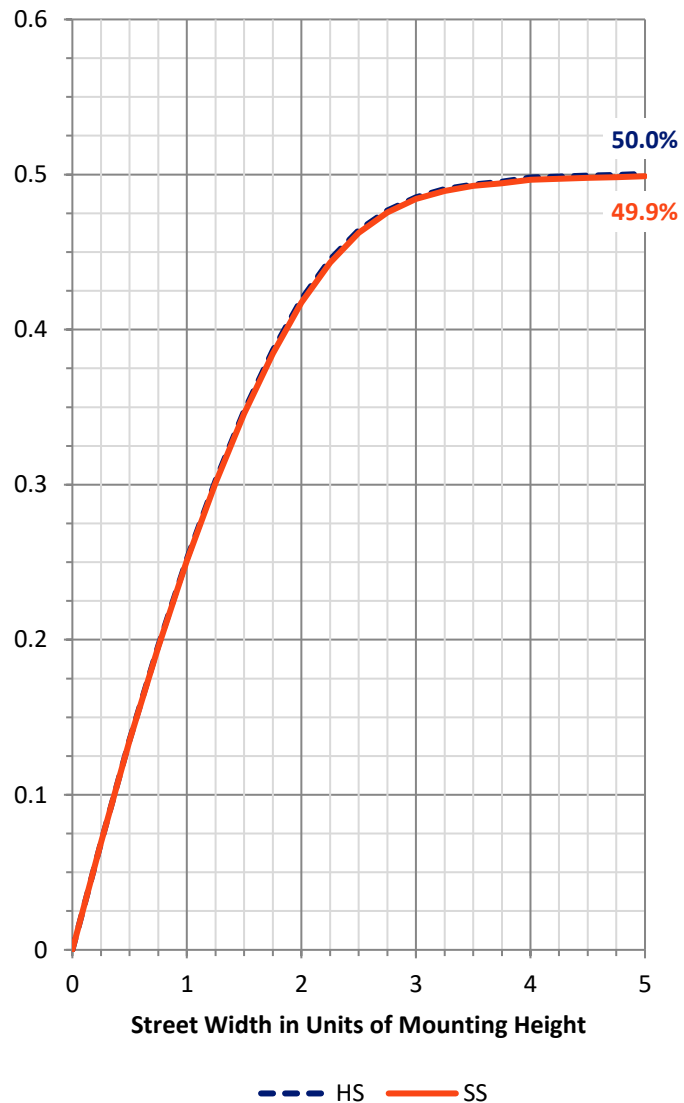
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33213.0	0.0	33213.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33213.0	0.0	33213.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66426.0	0.0	66426.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.1	1.0
10°-20°	2017.1	3.0
20°-30°	3433.8	5.2
30°-40°	5446.0	8.2
40°-50°	8862.4	13.3
50°-60°	14612.5	22.0
60°-70°	21451.6	32.3
70°-80°	9485.8	14.3
80°-90°	429.6	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°	66426.0	100.0
0°-180°	66426.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316573

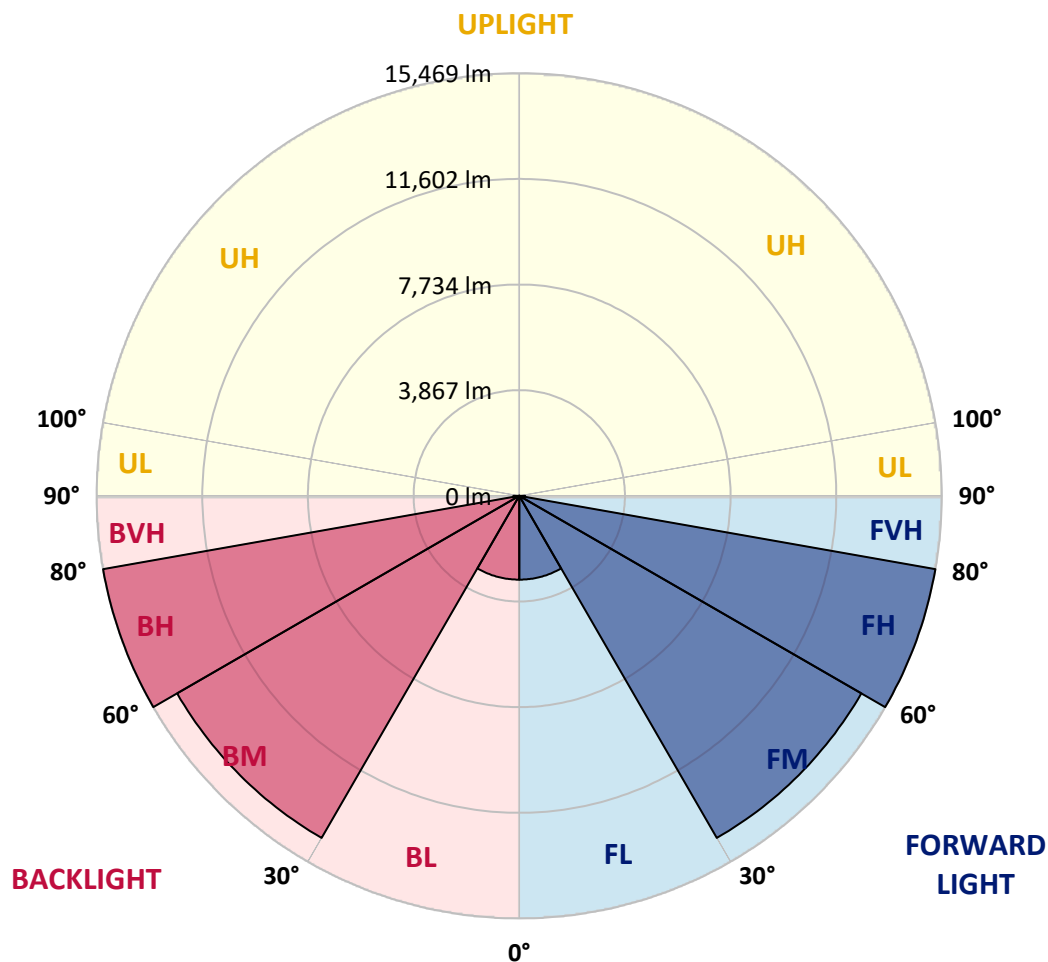
CATALOG NUMBER: GAN-SA9C-760-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3069.1	4.6			
FM	(30°-60°)	14460.5	21.8			
FH	(60°-80°)	15468.7	23.3			G5
FVH	(80°-90°)	214.8	0.3			G2/225
BL	(0°-30°)	3069.1	4.6	B4/5000		
BM	(30°-60°)	14460.5	21.8	B5		
BH	(60°-80°)	15468.7	23.3	B5		G5
BVH	(80°-90°)	214.8	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



REPORT NUMBER: P316573

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7254.8	7254.8	7254.8	7254.8	7254.8	7254.8	7254.8	7254.8	7254.8	7254.8	7254.8
2.5°	7243.8	7237.2	7252.6	7250.4	7237.2	7239.4	7239.4	7246.0	7246.0	7241.6	7241.6
5°	7217.4	7213.0	7230.6	7230.6	7217.4	7221.8	7226.2	7232.8	7230.6	7226.2	7224.0
7.5°	7184.4	7182.2	7199.8	7199.8	7191.0	7195.4	7191.0	7193.2	7188.8	7184.4	7177.8
10°	7129.4	7133.8	7149.2	7153.6	7153.6	7155.8	7151.4	7140.4	7133.8	7127.2	7120.6
12.5°	7078.9	7076.7	7098.7	7109.7	7127.2	7147.0	7133.8	7103.1	7089.9	7076.7	7072.3
15°	7045.9	7048.1	7070.1	7089.9	7120.6	7162.4	7147.0	7098.7	7072.3	7056.9	7052.5
17.5°	7039.3	7043.7	7072.3	7107.5	7140.4	7186.6	7177.8	7129.4	7085.5	7056.9	7050.3
20°	7054.7	7056.9	7100.9	7151.4	7208.6	7252.6	7232.8	7180.0	7120.6	7076.7	7065.7
22.5°	7083.3	7092.1	7147.0	7226.2	7314.1	7373.5	7349.3	7259.1	7166.8	7111.9	7096.5
25°	7173.4	7175.6	7250.4	7358.1	7463.6	7531.8	7503.2	7375.7	7257.0	7195.4	7175.6
27.5°	7360.3	7366.9	7441.6	7566.9	7657.1	7701.0	7683.4	7580.1	7479.0	7413.0	7419.6
30°	7630.7	7639.5	7723.0	7861.5	7916.5	7927.5	7923.1	7874.7	7782.4	7694.4	7701.0
32.5°	7960.4	7964.8	8077.0	8202.3	8246.2	8255.0	8246.2	8202.3	8092.3	7973.6	7980.2
35°	8384.7	8397.9	8505.6	8626.6	8661.7	8679.3	8663.9	8606.8	8492.5	8375.9	8371.5
37.5°	8908.0	8910.2	9022.3	9147.6	9191.6	9195.9	9178.4	9141.0	8998.1	8892.6	8886.0
40°	9514.7	9523.5	9655.4	9789.5	9807.1	9787.3	9811.5	9789.5	9642.2	9521.3	9541.1
42.5°	10253.4	10273.2	10431.5	10563.4	10512.8	10501.8	10517.2	10523.8	10405.1	10257.8	10244.6
45°	11113.0	11130.5	11328.4	11433.9	11401.0	11328.4	11359.2	11411.9	11247.1	11064.6	11082.2
47.5°	12093.5	12137.4	12348.5	12447.4	12366.1	12267.1	12326.5	12405.6	12212.2	11985.7	11974.7
50°	13183.9	13238.8	13520.2	13658.7	13577.4	13394.9	13493.8	13546.6	13267.4	12975.0	12950.8
52.5°	14346.8	14401.8	14755.7	15041.5	14988.8	14705.2	14843.7	14788.7	14467.7	14074.2	14043.4
55°	15663.7	15685.7	16068.2	16529.8	16582.6	16373.8	16365.0	16274.8	15800.0	15344.9	15322.9
57.5°	17017.9	17033.3	17527.9	18073.1	18321.5	18321.5	18075.3	17884.1	17253.1	16725.5	16670.5
60°	18479.8	18534.8	19082.2	19823.1	20403.4	20574.9	20139.6	19618.6	18932.7	18288.6	18224.8
62.5°	19781.3	19845.0	20682.6	21786.2	22718.4	23342.7	22278.7	21430.1	20181.4	19148.2	19027.2
65°	19946.2	20117.6	21337.8	23336.1	25422.4	26668.9	24628.8	22538.1	20262.7	18827.2	18704.1
67.5°	18216.0	18506.2	20155.0	23265.8	27576.9	30252.3	26130.3	21905.0	18803.0	17215.7	17079.4
70°	13997.3	14419.4	16321.0	20350.7	27205.3	31406.5	25189.4	19176.7	15676.9	13968.7	13777.4
72.5°	7679.0	7852.7	9563.1	13935.7	21810.4	26688.7	21010.2	14179.7	10396.3	8459.5	8138.5
75°	2435.8	2497.4	3368.0	5702.7	12337.5	17677.4	13346.5	6960.2	3831.8	2825.0	2792.0
77.5°	1081.6	1088.2	1217.9	1664.2	4249.5	8956.3	5104.7	1895.0	1305.9	1141.0	1178.3
80°	683.7	683.7	754.1	824.4	1156.4	2600.7	1380.6	901.3	769.4	714.5	729.9
82.5°	327.6	362.7	490.2	527.6	635.3	875.0	707.9	589.2	514.4	382.5	356.1
85°	215.4	180.3	310.0	349.5	369.3	419.9	411.1	389.1	336.4	191.3	213.2
87.5°	96.7	92.3	160.5	147.3	138.5	105.5	158.3	195.7	189.1	94.5	94.5
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)