

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: P316583

Luminaire Tested: **GAN-SA9D-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316583
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-SA9D-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 72867 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

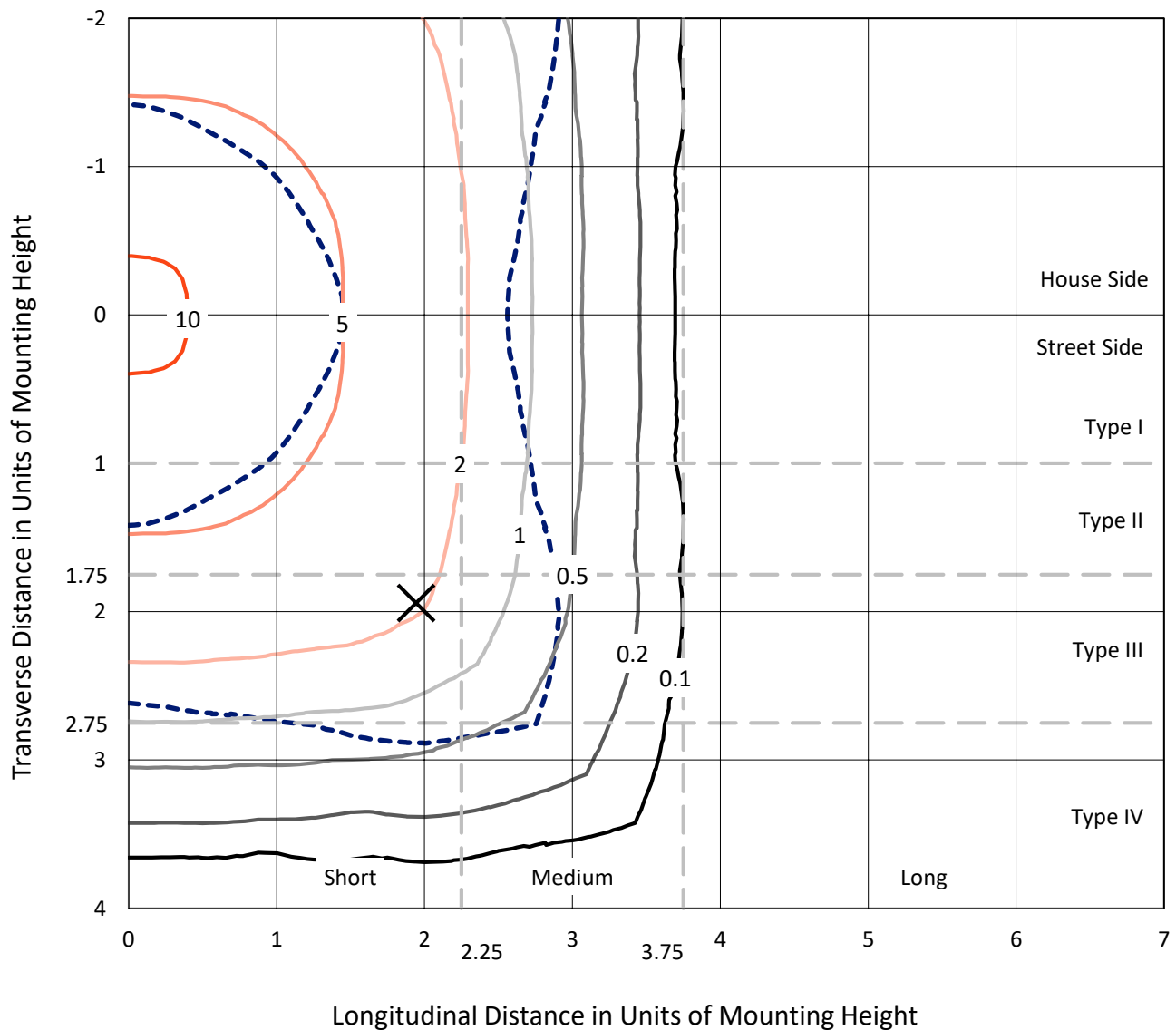
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316583
CATALOG NUMBER: GAN-SA9D-760-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

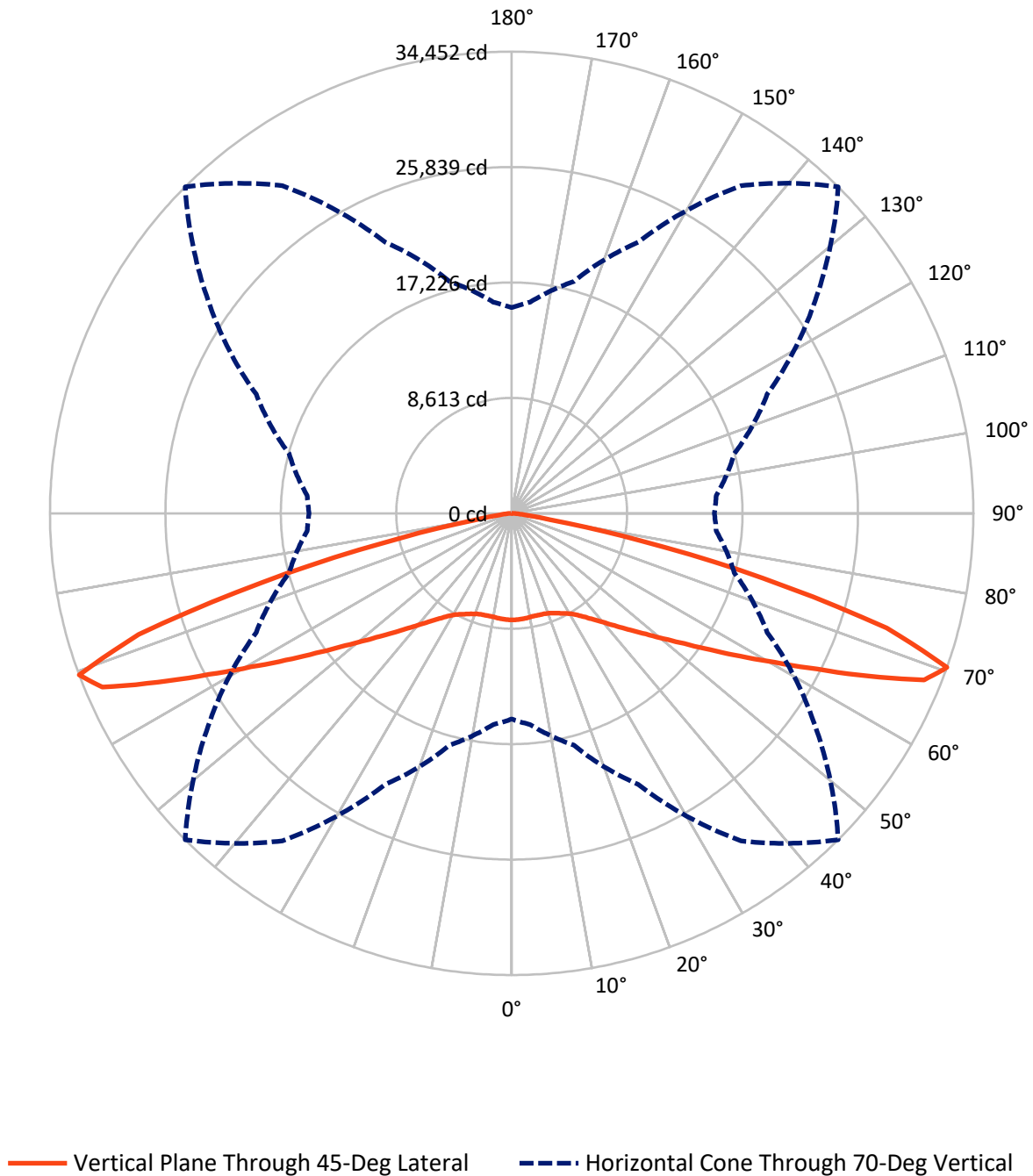
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
Type V - Short - N/A

REPORT NUMBER: P316583
CATALOG NUMBER: GAN-SA9D-760-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316583

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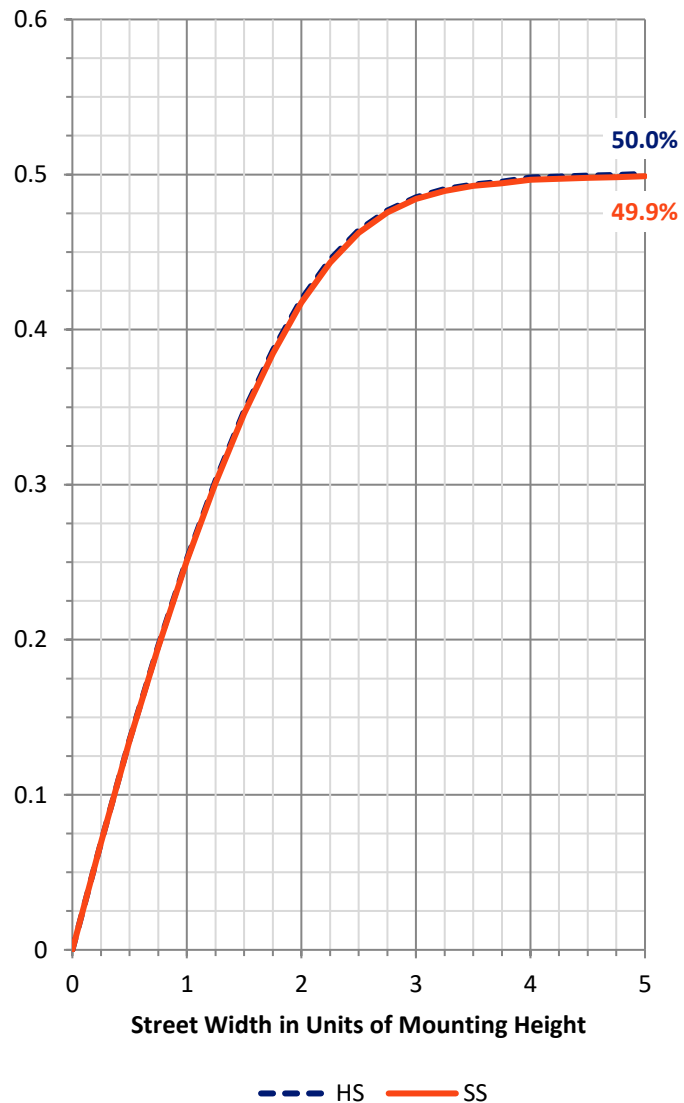
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36433.5	0.0	36433.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36433.5	0.0	36433.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	72867.0	0.0	72867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.7	1.0
10°-20°	2212.7	3.0
20°-30°	3766.8	5.2
30°-40°	5974.1	8.2
40°-50°	9721.7	13.3
50°-60°	16029.4	22.0
60°-70°	23531.6	32.3
70°-80°	10405.6	14.3
80°-90°	471.2	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°	72867.0	100.0
0°-180°	72867.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316583

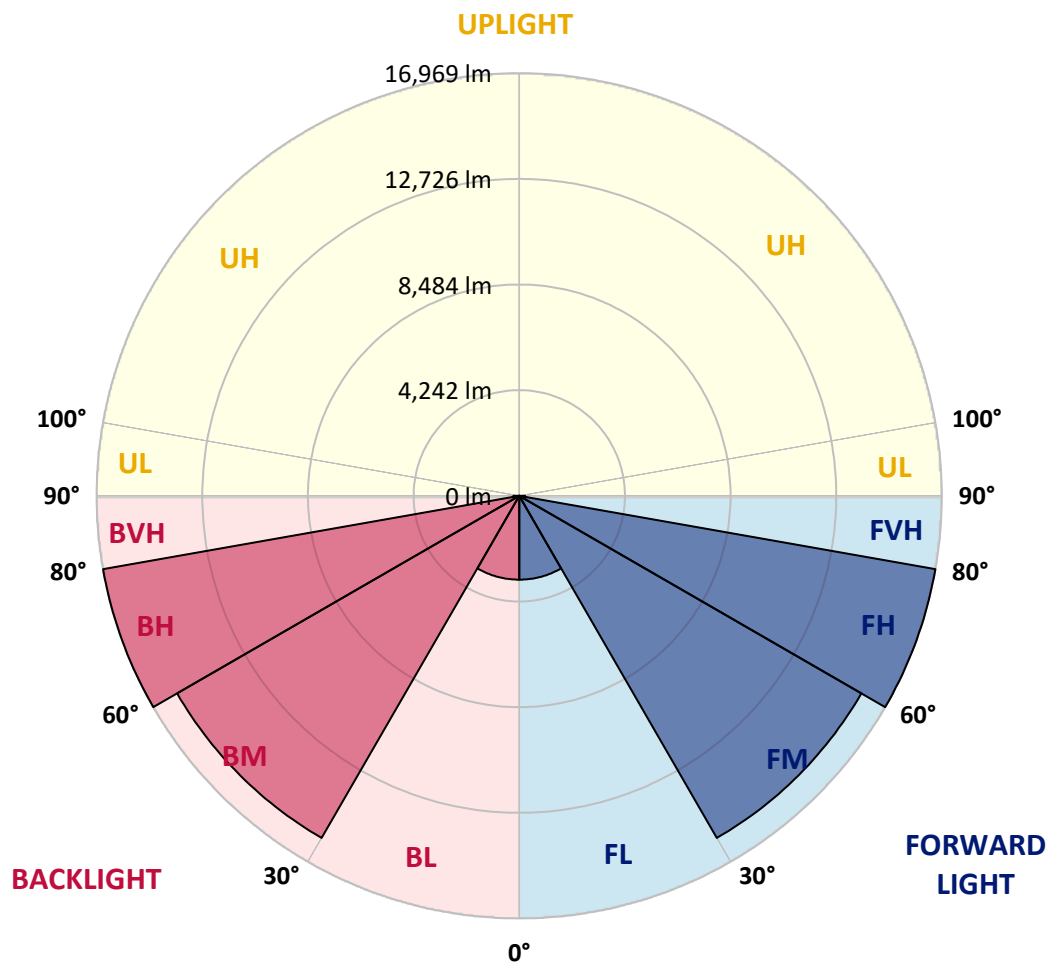
CATALOG NUMBER: GAN-SA9D-760-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3366.6	4.6			
FM	(30°-60°)	15862.6	21.8			
FH	(60°-80°)	16968.6	23.3			G5
FVH	(80°-90°)	235.6	0.3			G3/500
BL	(0°-30°)	3366.6	4.6	B4/5000		
BM	(30°-60°)	15862.6	21.8	B5		
BH	(60°-80°)	16968.6	23.3	B5		G5
BVH	(80°-90°)	235.6	0.3			G3/500
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°	7958.2	7958.2	7958.2	7958.2	7958.2	7958.2	7958.2	7958.2	7958.2	7958.2	7958.2
2.5°	7946.2	7938.9	7955.8	7953.4	7938.9	7941.3	7941.3	7948.6	7948.6	7943.7	7943.7
5°	7917.2	7912.4	7931.7	7931.7	7917.2	7922.0	7926.9	7934.1	7931.7	7926.9	7924.4
7.5°	7881.0	7878.6	7897.9	7897.9	7888.3	7893.1	7888.3	7890.7	7885.9	7881.0	7873.8
10°	7820.8	7825.6	7842.5	7847.3	7847.3	7849.7	7844.9	7832.8	7825.6	7818.3	7811.1
12.5°	7765.3	7762.9	7787.0	7799.0	7818.3	7840.0	7825.6	7791.8	7777.3	7762.9	7758.0
15°	7729.1	7731.5	7755.6	7777.3	7811.1	7856.9	7840.0	7787.0	7758.0	7741.2	7736.3
17.5°	7721.9	7726.7	7758.0	7796.6	7832.8	7883.5	7873.8	7820.8	7772.5	7741.2	7733.9
20°	7738.8	7741.2	7789.4	7844.9	7907.6	7955.8	7934.1	7876.2	7811.1	7762.9	7750.8
22.5°	7770.1	7779.8	7840.0	7926.9	8023.3	8088.4	8061.9	7963.0	7861.7	7801.5	7784.6
25°	7869.0	7871.4	7953.4	8071.6	8187.3	8262.1	8230.7	8090.8	7960.6	7893.1	7871.4
27.5°	8074.0	8081.2	8163.2	8300.7	8399.5	8447.8	8428.5	8315.1	8204.2	8131.8	8139.1
30°	8370.6	8380.2	8471.9	8623.8	8684.1	8696.2	8691.3	8638.3	8537.0	8440.5	8447.8
32.5°	8732.3	8737.2	8860.1	8997.6	9045.8	9055.5	9045.8	8997.6	8877.0	8746.8	8754.0
35°	9197.8	9212.2	9330.4	9463.0	9501.6	9520.9	9504.0	9441.3	9315.9	9188.1	9183.3
37.5°	9771.7	9774.1	9897.1	10034.6	10082.8	10087.6	10068.3	10027.3	9870.6	9754.8	9747.6
40°	10437.3	10447.0	10591.7	10738.8	10758.1	10736.3	10762.9	10738.8	10577.2	10444.5	10466.3
42.5°	11247.6	11269.3	11442.9	11587.6	11532.2	11520.1	11537.0	11544.2	11414.0	11252.4	11238.0
45°	12190.5	12209.8	12426.9	12542.6	12506.4	12426.9	12460.6	12518.5	12337.6	12137.5	12156.8
47.5°	13266.1	13314.3	13545.8	13654.4	13565.1	13456.6	13521.7	13608.5	13396.3	13147.9	13135.9
50°	14462.2	14522.5	14831.2	14983.1	14893.9	14693.8	14802.3	14860.1	14553.9	14233.1	14206.6
52.5°	15738.0	15798.3	16186.5	16500.0	16442.1	16131.1	16283.0	16222.7	15870.6	15438.9	15405.2
55°	17182.5	17206.6	17626.2	18132.7	18190.5	17961.4	17951.8	17852.9	17332.0	16832.8	16808.7
57.5°	18668.0	18684.9	19227.5	19825.6	20098.1	20098.1	19828.0	19618.2	18926.1	18347.3	18287.0
60°	20271.7	20332.0	20932.5	21745.2	22381.9	22570.0	22092.5	21520.9	20768.5	20061.9	19992.0
62.5°	21699.4	21769.3	22688.1	23898.7	24921.3	25606.1	24438.9	23508.1	22138.3	21004.9	20872.2
65°	21880.3	22068.4	23406.8	25598.9	27887.5	29254.9	27016.9	24723.5	22227.5	20652.8	20517.7
67.5°	19982.3	20300.7	22109.4	25521.7	30250.8	33185.7	28664.0	24029.0	20626.2	18885.1	18735.6
70°	15354.5	15817.5	17903.6	22324.0	29843.3	34451.8	27631.9	21036.2	17197.0	15323.2	15113.4
72.5°	8423.6	8614.2	10490.4	15287.0	23925.3	29276.6	23047.5	15554.7	11404.4	9279.8	8927.7
75°	2672.0	2739.6	3694.5	6255.6	13533.8	19391.5	14640.7	7635.1	4203.4	3098.9	3062.7
77.5°	1186.5	1193.7	1336.0	1825.6	4661.6	9824.8	5599.7	2078.8	1432.5	1251.6	1292.6
80°	750.0	750.0	827.2	904.3	1268.5	2852.9	1514.5	988.7	844.1	783.8	800.6
82.5°	359.3	397.9	537.8	578.8	696.9	959.8	776.5	646.3	564.3	419.6	390.7
85°	236.3	197.7	340.0	383.4	405.1	460.6	451.0	426.8	369.0	209.8	233.9
87.5°	106.1	101.3	176.0	161.6	151.9	115.8	173.6	214.6	207.4	103.7	103.7
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)