

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: P316410

Luminaire Tested: **GAN-SA6C-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316410
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-SA6C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 37165 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

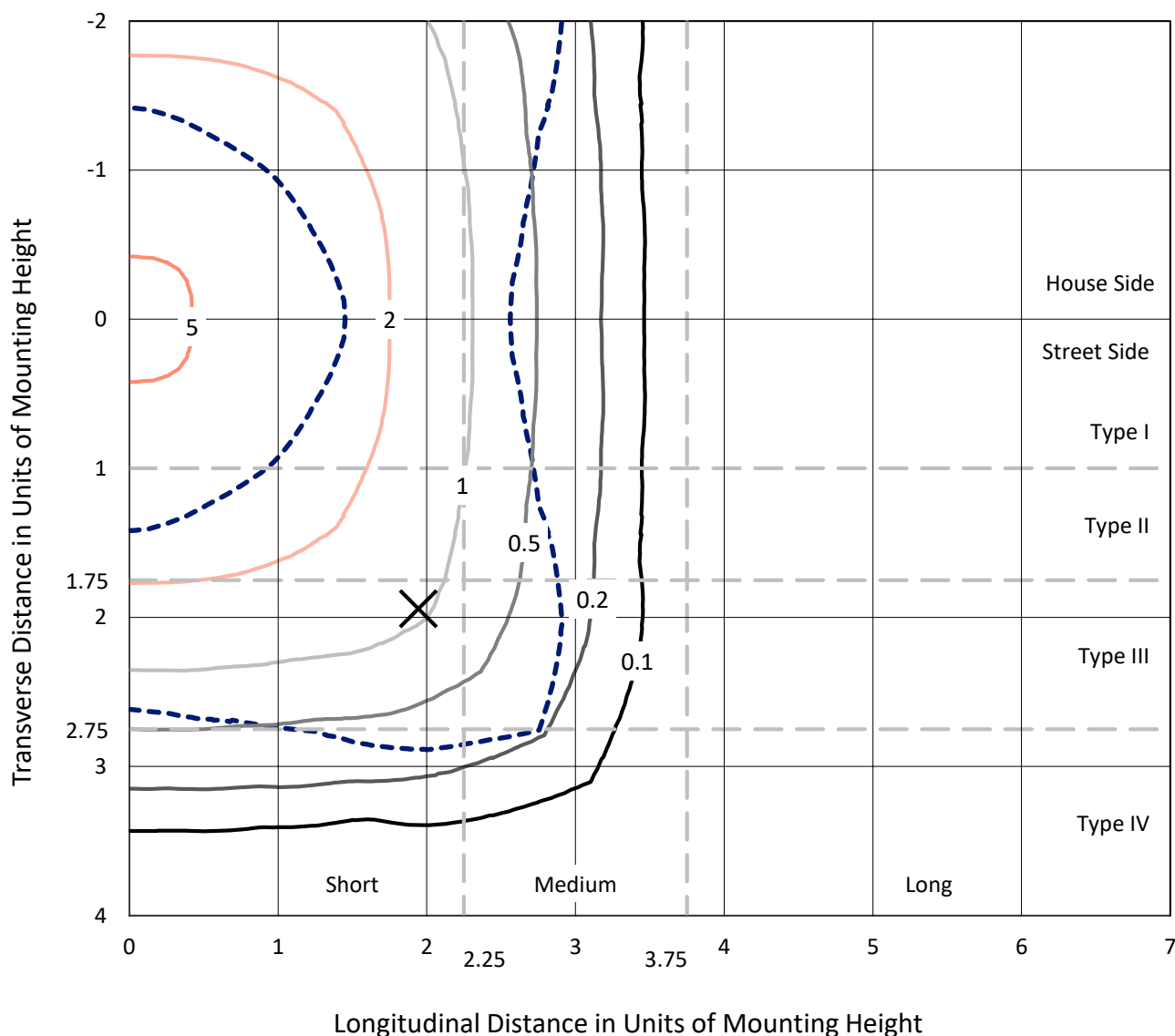
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

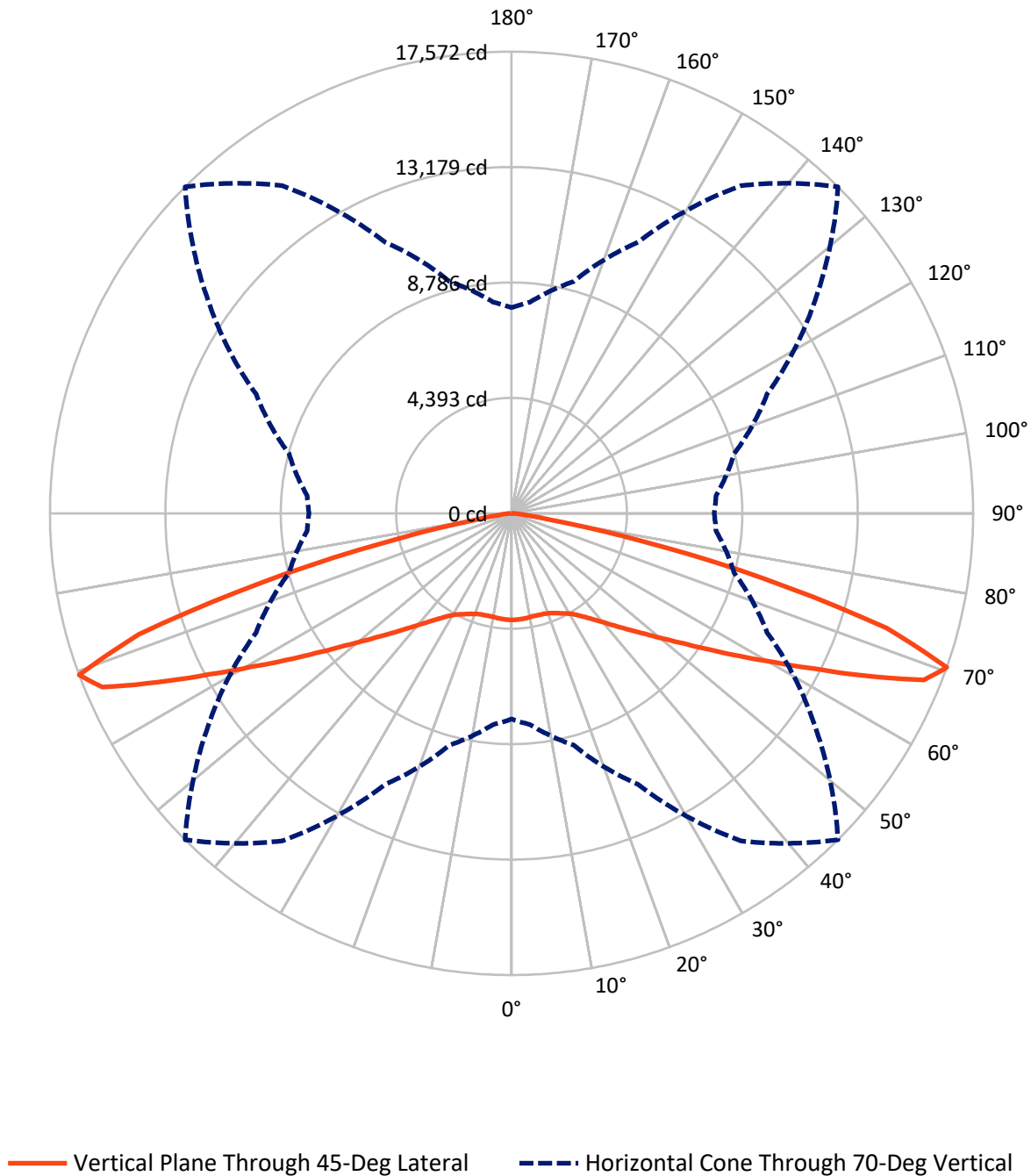
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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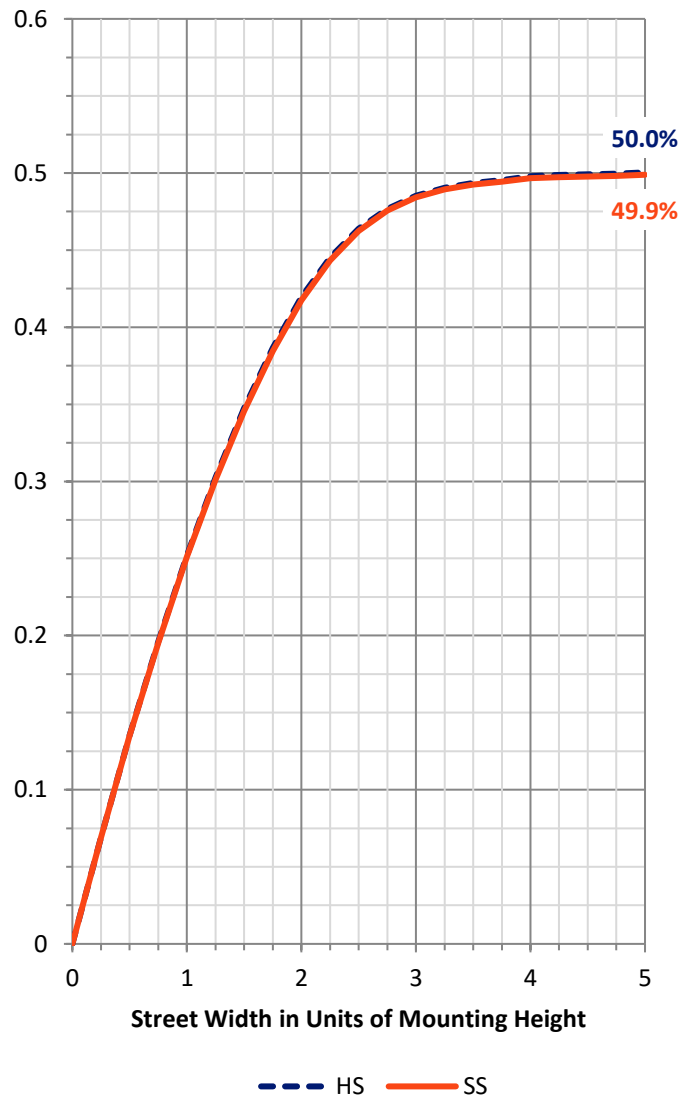
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18582.5	0.0	18582.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18582.5	0.0	18582.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37165.0	0.0	37165.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.4	1.0
10°-20°	1128.6	3.0
20°-30°	1921.2	5.2
30°-40°	3047.0	8.2
40°-50°	4958.5	13.3
50°-60°	8175.6	22.0
60°-70°	12002.0	32.3
70°-80°	5307.3	14.3
80°-90°	240.3	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°	37165.0	100.0
0°-180°	37165.0	100.0

Coefficient of Utilization



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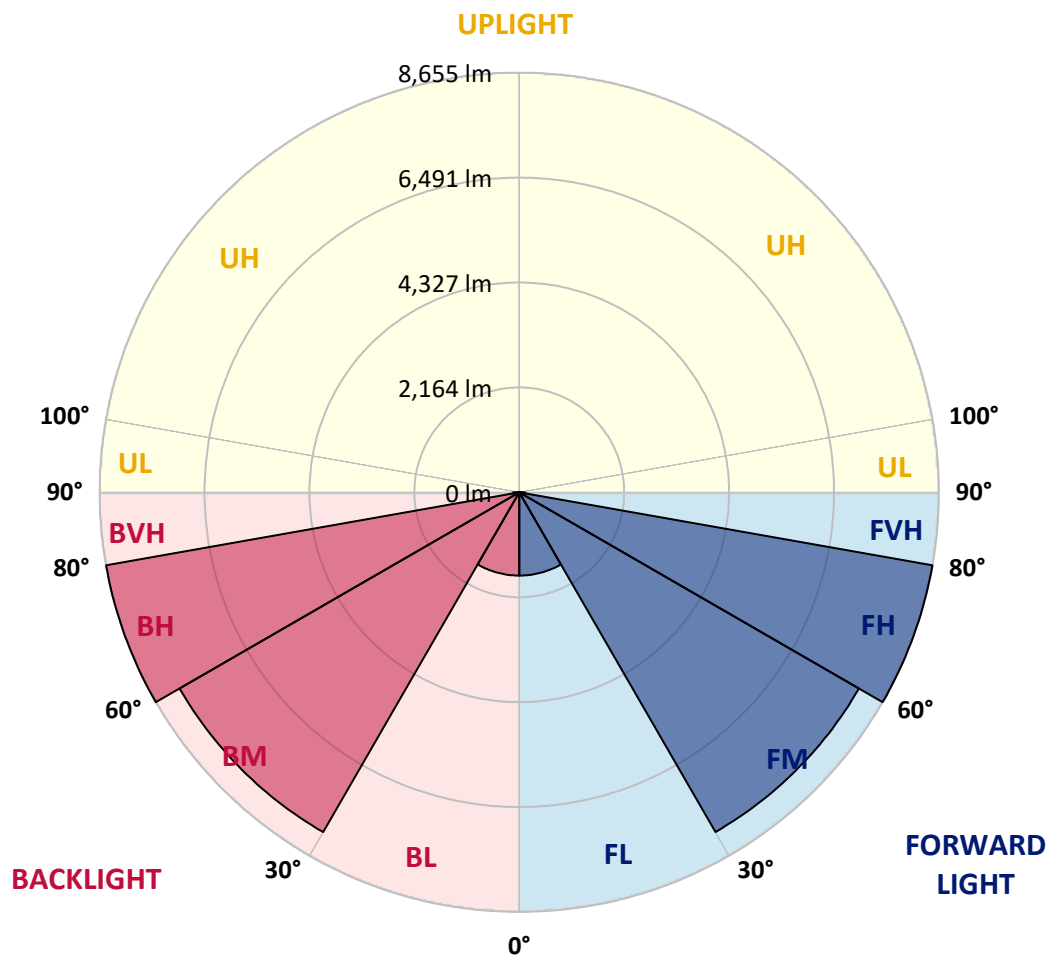
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1717.1	4.6			
FM	(30°-60°)	8090.6	21.8			
FH	(60°-80°)	8654.7	23.3			G4/12000
FVH	(80°-90°)	120.2	0.3			G2/225
BL	(0°-30°)	1717.1	4.6	B3/2500		
BM	(30°-60°)	8090.6	21.8	B4/8500		
BH	(60°-80°)	8654.7	23.3	B5		G4/12000
BVH	(80°-90°)	120.2	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4059.0	4059.0	4059.0	4059.0	4059.0	4059.0	4059.0	4059.0	4059.0	4059.0	4059.0
2.5°	4052.8	4049.2	4057.8	4056.5	4049.2	4050.4	4050.4	4054.1	4054.1	4051.6	4051.6
5°	4038.1	4035.6	4045.5	4045.5	4038.1	4040.5	4043.0	4046.7	4045.5	4043.0	4041.8
7.5°	4019.6	4018.4	4028.2	4028.2	4023.3	4025.8	4023.3	4024.6	4022.1	4019.6	4015.9
10°	3988.9	3991.3	4000.0	4002.4	4002.4	4003.6	4001.2	3995.0	3991.3	3987.7	3984.0
12.5°	3960.6	3959.4	3971.7	3977.8	3987.7	3998.7	3991.3	3974.1	3966.7	3959.4	3956.9
15°	3942.1	3943.4	3955.7	3966.7	3984.0	4007.3	3998.7	3971.7	3956.9	3948.3	3945.8
17.5°	3938.5	3940.9	3956.9	3976.6	3995.0	4020.9	4015.9	3988.9	3964.3	3948.3	3944.6
20°	3947.1	3948.3	3972.9	4001.2	4033.2	4057.8	4046.7	4017.2	3984.0	3959.4	3953.2
22.5°	3963.1	3968.0	3998.7	4043.0	4092.2	4125.4	4111.9	4061.5	4009.8	3979.0	3970.4
25°	4013.5	4014.7	4056.5	4116.8	4175.8	4214.0	4198.0	4126.6	4060.2	4025.8	4014.7
27.5°	4118.0	4121.7	4163.5	4233.7	4284.1	4308.7	4298.8	4241.0	4184.5	4147.6	4151.2
30°	4269.3	4274.2	4321.0	4398.5	4429.2	4435.4	4432.9	4405.9	4354.2	4305.0	4308.7
32.5°	4453.8	4456.3	4519.0	4589.1	4613.7	4618.6	4613.7	4589.1	4527.6	4461.2	4464.9
35°	4691.2	4698.6	4758.9	4826.5	4846.2	4856.0	4847.4	4815.4	4751.5	4686.3	4683.8
37.5°	4984.0	4985.2	5047.9	5118.0	5142.6	5145.1	5135.2	5114.3	5034.4	4975.3	4971.7
40°	5323.4	5328.4	5402.2	5477.2	5487.0	5476.0	5489.5	5477.2	5394.8	5327.1	5338.2
42.5°	5736.7	5747.8	5836.3	5910.1	5881.9	5875.7	5884.3	5888.0	5821.6	5739.2	5731.8
45°	6217.6	6227.5	6338.2	6397.2	6378.8	6338.2	6355.4	6384.9	6292.7	6190.6	6200.4
47.5°	6766.2	6790.8	6908.9	6964.3	6918.7	6863.4	6896.6	6940.9	6832.6	6706.0	6699.8
50°	7376.3	7407.1	7564.5	7642.0	7596.5	7494.4	7549.7	7579.3	7423.0	7259.5	7245.9
52.5°	8027.0	8057.7	8255.8	8415.7	8386.1	8227.5	8305.0	8274.2	8094.6	7874.5	7857.2
55°	8763.7	8776.0	8990.1	9248.4	9277.9	9161.0	9156.1	9105.7	8840.0	8585.4	8573.1
57.5°	9521.4	9530.0	9806.8	10111.8	10250.8	10250.8	10113.1	10006.0	9653.0	9357.8	9327.1
60°	10339.4	10370.1	10676.4	11090.9	11415.6	11511.6	11268.0	10976.5	10592.8	10232.4	10196.7
62.5°	11067.5	11103.2	11571.8	12189.3	12710.8	13060.1	12464.8	11990.0	11291.4	10713.3	10645.6
65°	11159.8	11255.7	11938.4	13056.4	14223.7	14921.1	13779.7	12609.9	11336.9	10533.7	10464.8
67.5°	10191.8	10354.1	11276.6	13017.1	15429.1	16926.0	14619.8	12255.7	10520.2	9632.1	9555.9
70°	7831.4	8067.6	9131.5	11386.1	15221.2	17571.8	14093.3	10729.3	8771.1	7815.4	7708.4
72.5°	4296.4	4393.6	5350.5	7797.0	12202.8	14932.2	11755.1	7933.5	5816.7	4733.0	4553.5
75°	1362.8	1397.3	1884.4	3190.6	6902.8	9890.4	7467.3	3894.2	2143.9	1580.5	1562.1
77.5°	605.2	608.8	681.4	931.1	2377.6	5011.0	2856.1	1060.3	730.6	638.4	659.3
80°	382.5	382.5	421.9	461.2	647.0	1455.1	772.4	504.3	430.5	399.7	408.4
82.5°	183.3	202.9	274.3	295.2	355.5	489.5	396.1	329.6	287.8	214.0	199.3
85°	120.5	100.9	173.4	195.6	206.6	234.9	230.0	217.7	188.2	107.0	119.3
87.5°	54.1	51.7	89.8	82.4	77.5	59.0	88.6	109.5	105.8	52.9	52.9
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)