

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: P316930

Luminaire Tested: **GAN-SA6C-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316930
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-SA6C-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32078 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

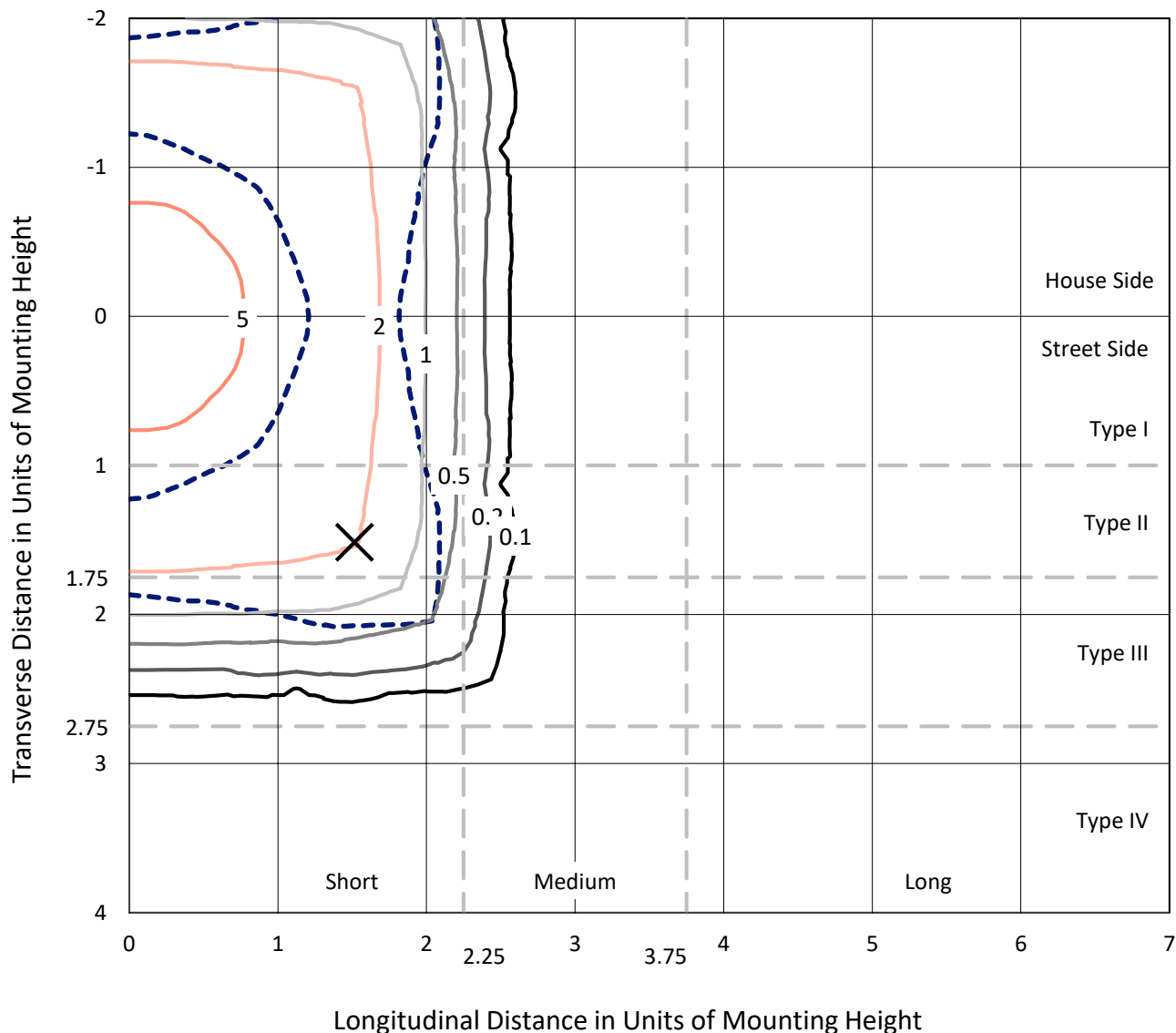
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

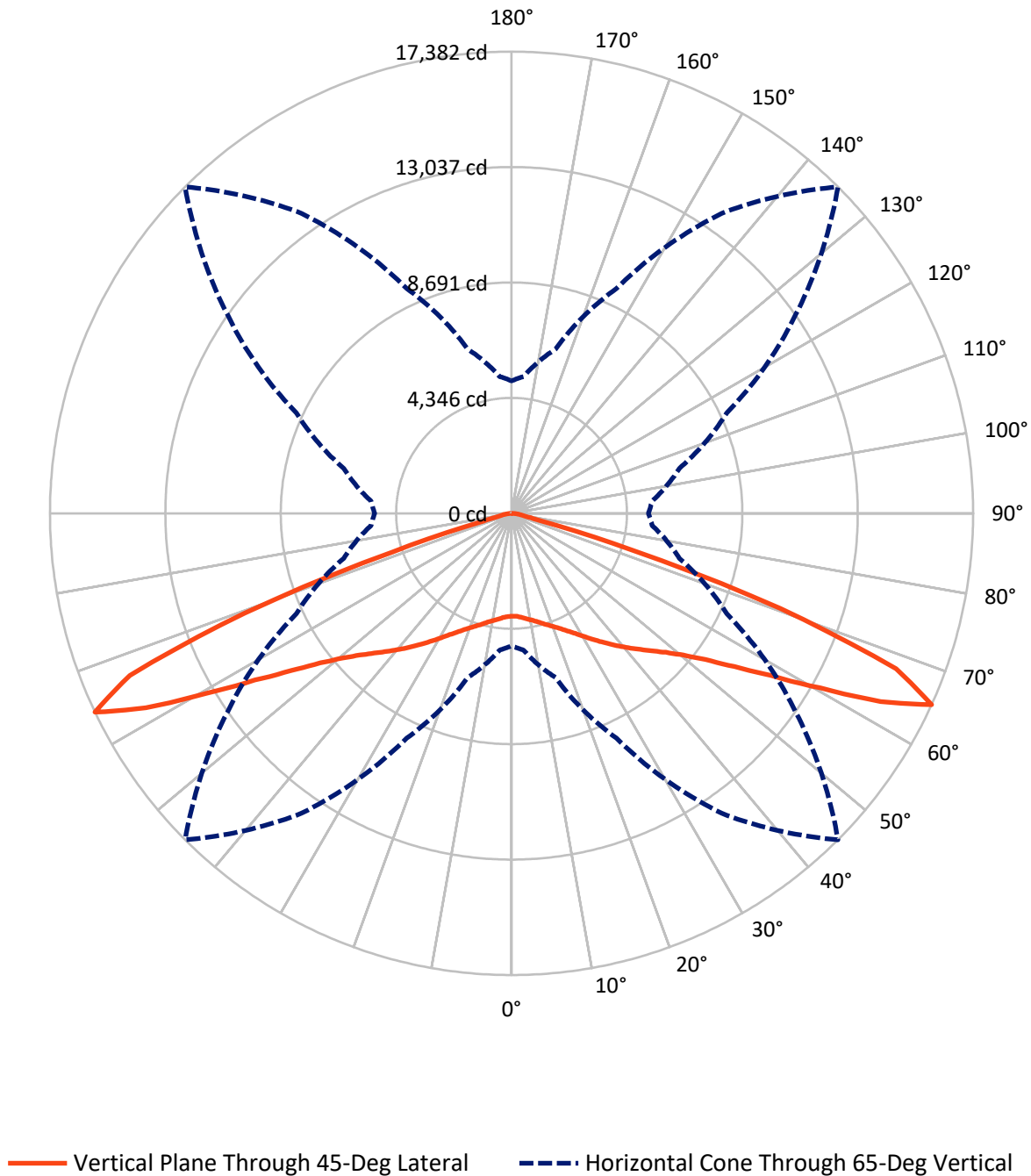
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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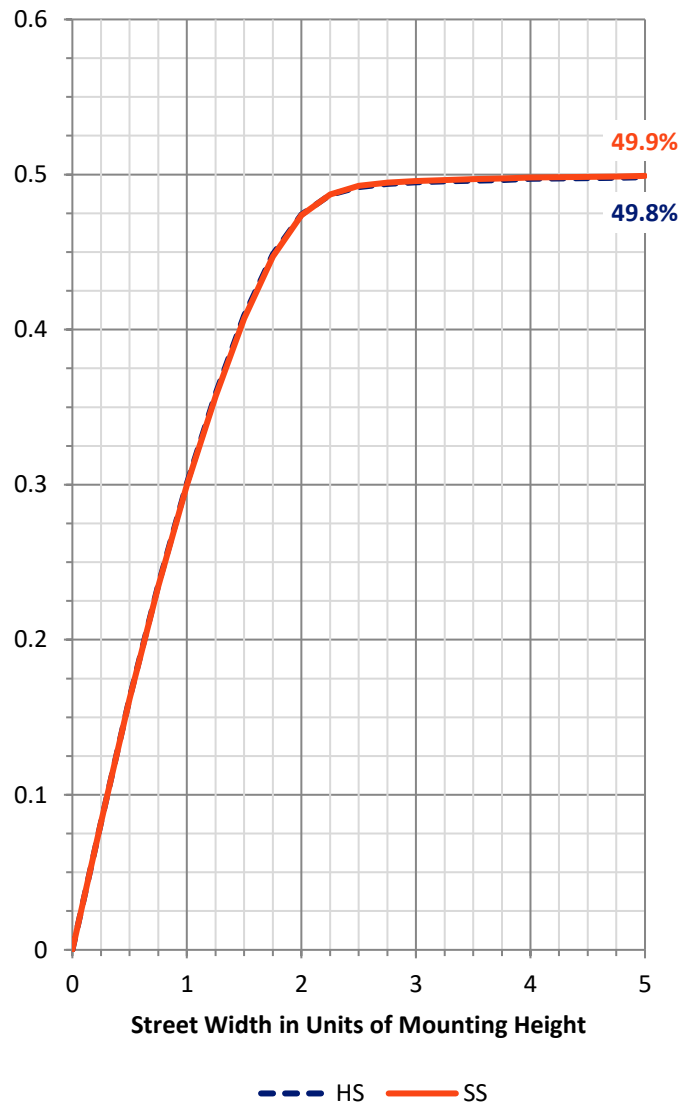
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16039.0	0.0	16039.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16039.0	0.0	16039.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32078.0	0.0	32078.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.1	1.2
10°-20°	1221.7	3.8
20°-30°	2292.1	7.1
30°-40°	3790.6	11.8
40°-50°	5871.2	18.3
50°-60°	9004.7	28.1
60°-70°	8402.4	26.2
70°-80°	977.9	3.0
80°-90°	137.4	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°	32078.0	100.0
0°-180°	32078.0	100.0

Coefficient of Utilization



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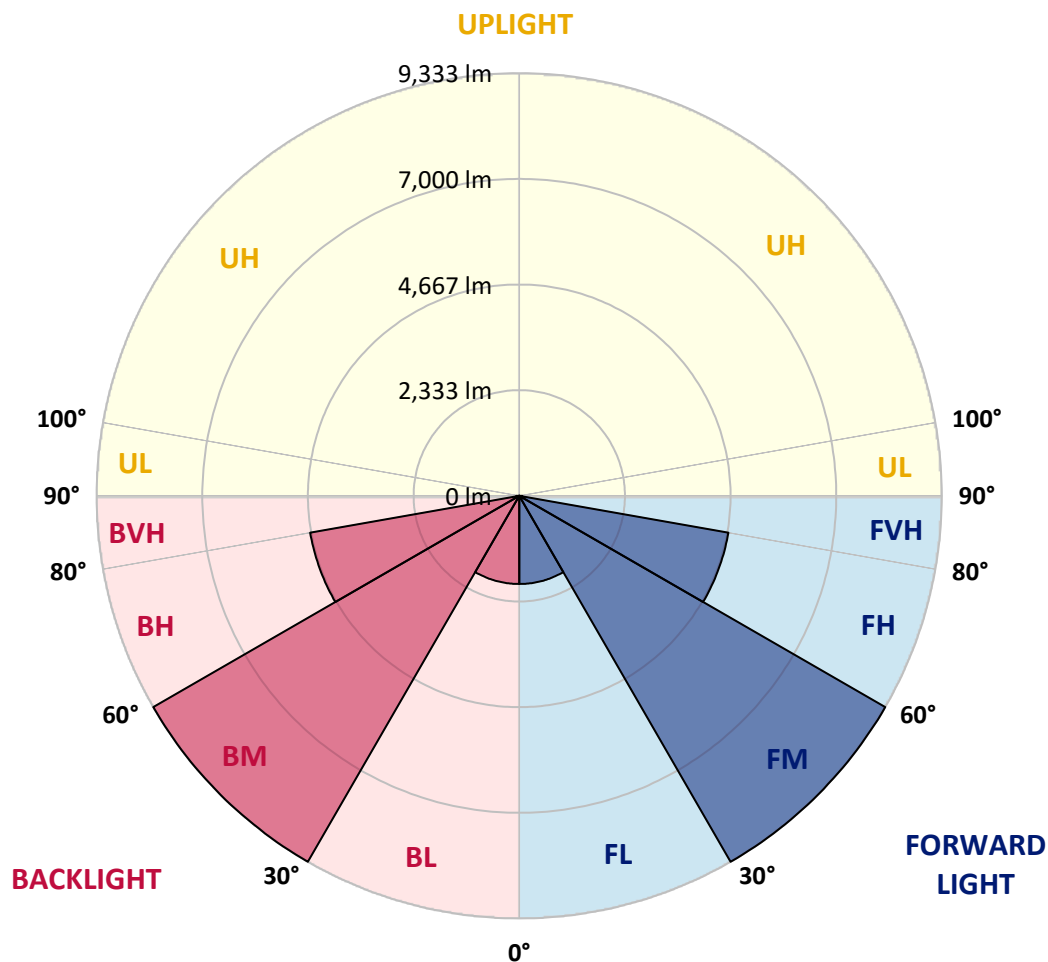
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1946.9	6.1			
FM	(30°-60°)	9333.2	29.1			
FH	(60°-80°)	4690.2	14.6			G2/5000
FVH	(80°-90°)	68.7	0.2			G1/100
BL	(0°-30°)	1946.9	6.1	B3/2500		
BM	(30°-60°)	9333.2	29.1	B5		
BH	(60°-80°)	4690.2	14.6	B4/5000		G2/5000
BVH	(80°-90°)	68.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8
2.5°	3886.6	3884.5	3886.6	3887.7	3881.3	3884.5	3883.4	3888.7	3890.9	3888.7	3888.7
5°	3931.3	3928.1	3932.4	3937.7	3929.2	3931.3	3928.1	3934.5	3936.6	3932.4	3935.6
7.5°	3993.1	3994.1	3998.4	4008.0	4002.7	4006.9	4000.5	4001.6	4000.5	3994.1	3995.2
10°	4060.2	4061.2	4068.7	4081.5	4083.6	4083.6	4079.3	4076.1	4071.9	4067.6	4068.7
12.5°	4141.1	4146.4	4151.7	4167.7	4167.7	4176.2	4174.1	4165.6	4158.1	4151.7	4151.7
15°	4250.8	4249.7	4256.1	4272.1	4279.5	4293.4	4293.4	4281.7	4272.1	4265.7	4263.5
17.5°	4365.8	4369.0	4373.2	4392.4	4404.1	4420.1	4422.2	4412.6	4406.2	4397.7	4392.4
20°	4499.9	4505.3	4522.3	4529.8	4540.4	4555.3	4560.6	4558.5	4552.1	4547.9	4548.9
22.5°	4656.5	4670.3	4681.0	4691.6	4704.4	4715.0	4720.4	4727.8	4721.4	4718.2	4716.1
25°	4846.0	4855.6	4876.9	4896.1	4904.6	4907.8	4914.2	4924.8	4923.7	4916.3	4916.3
27.5°	5061.1	5079.2	5105.8	5133.5	5133.5	5122.9	5144.2	5162.3	5155.9	5146.3	5133.5
30°	5322.0	5339.0	5369.9	5408.2	5389.1	5381.6	5410.4	5443.4	5433.8	5417.8	5415.7
32.5°	5603.1	5619.1	5659.5	5701.1	5676.6	5665.9	5696.8	5744.7	5727.7	5695.7	5676.6
35°	5907.6	5923.6	5981.1	6031.2	5989.6	5971.5	5997.1	6049.3	6019.4	5959.8	5944.9
37.5°	6238.8	6247.3	6321.9	6373.0	6344.2	6296.3	6328.2	6366.6	6341.0	6268.6	6239.9
40°	6582.7	6613.6	6699.9	6759.5	6709.4	6633.8	6687.1	6740.3	6702.0	6609.4	6560.4
42.5°	6984.2	7007.6	7122.6	7175.8	7094.9	6988.4	7060.8	7133.2	7094.9	7005.5	6962.9
45°	7401.6	7437.8	7575.1	7628.4	7511.3	7376.0	7464.4	7591.1	7587.9	7459.1	7414.4
47.5°	7856.3	7892.5	8056.4	8126.7	8000.0	7819.0	7943.6	8122.5	8109.7	7968.1	7931.9
50°	8381.2	8419.6	8624.0	8712.4	8594.2	8383.3	8570.8	8728.4	8704.9	8530.3	8533.5
52.5°	9040.3	9038.2	9292.7	9446.0	9324.7	9138.3	9310.8	9464.1	9367.2	9125.5	9118.1
55°	9617.5	9652.6	9967.8	10258.5	10251.0	10179.7	10248.9	10255.3	9978.5	9656.9	9617.5
57.5°	9996.6	10063.6	10507.7	11033.7	11427.7	11522.4	11388.3	10981.5	10333.0	9818.7	9755.9
60°	9763.4	9865.6	10563.0	11635.3	12796.0	13352.9	12595.8	11334.0	10057.2	9340.6	9255.4
62.5°	8189.6	8362.1	9383.2	11344.6	13973.7	15601.8	13471.1	10768.6	8960.5	7973.4	7827.5
65°	4987.6	5169.7	6400.6	9337.4	13783.1	17382.2	13071.8	8938.1	6540.1	5312.4	5154.8
67.5°	1662.2	1715.4	2440.6	5161.2	10832.4	15617.8	10850.5	5350.7	2846.3	1886.9	1831.5
70°	650.6	655.9	774.1	1496.1	5115.4	10727.0	5644.6	1522.7	809.3	640.0	653.8
72.5°	478.1	480.2	513.2	625.1	1333.2	4725.7	1381.1	628.2	499.4	448.3	448.3
75°	384.4	384.4	407.8	455.7	597.4	1084.0	605.9	450.4	390.8	357.8	353.5
77.5°	303.5	309.9	328.0	358.8	404.6	521.8	419.5	356.7	315.2	284.3	277.9
80°	225.7	232.1	261.9	276.9	290.7	362.0	309.9	279.0	249.2	213.0	206.6
82.5°	148.0	154.4	191.7	200.2	197.0	236.4	208.7	205.5	183.1	137.4	131.0
85°	96.9	99.0	127.8	133.1	122.5	107.5	133.1	140.6	127.8	89.4	86.3
87.5°	45.8	45.8	65.0	60.7	55.4	44.7	60.7	71.3	72.4	43.7	42.6
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)