

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: P316879

Luminaire Tested: **GAN-SA5B-760-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316879
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-SA5B-760-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29462 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

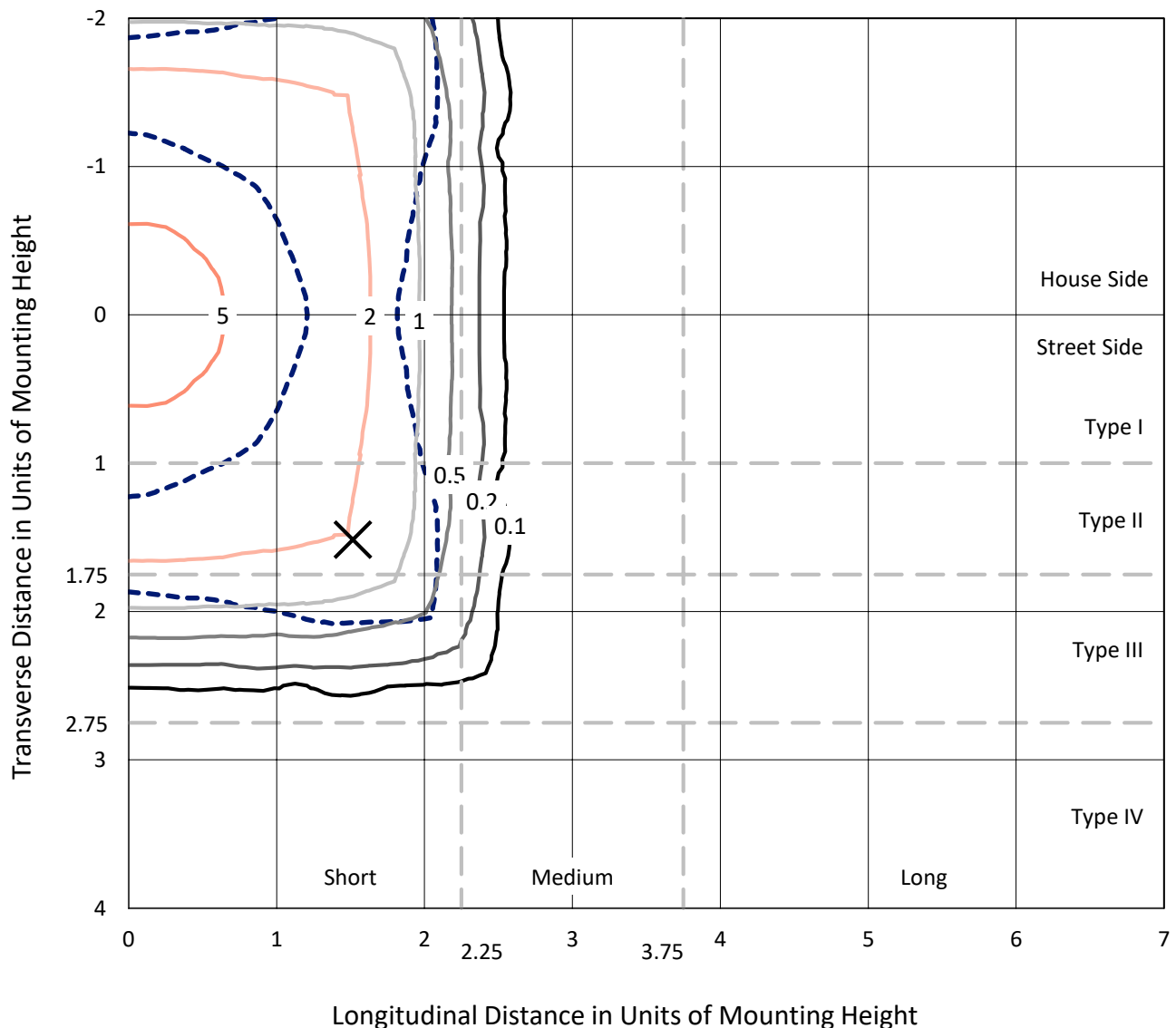
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

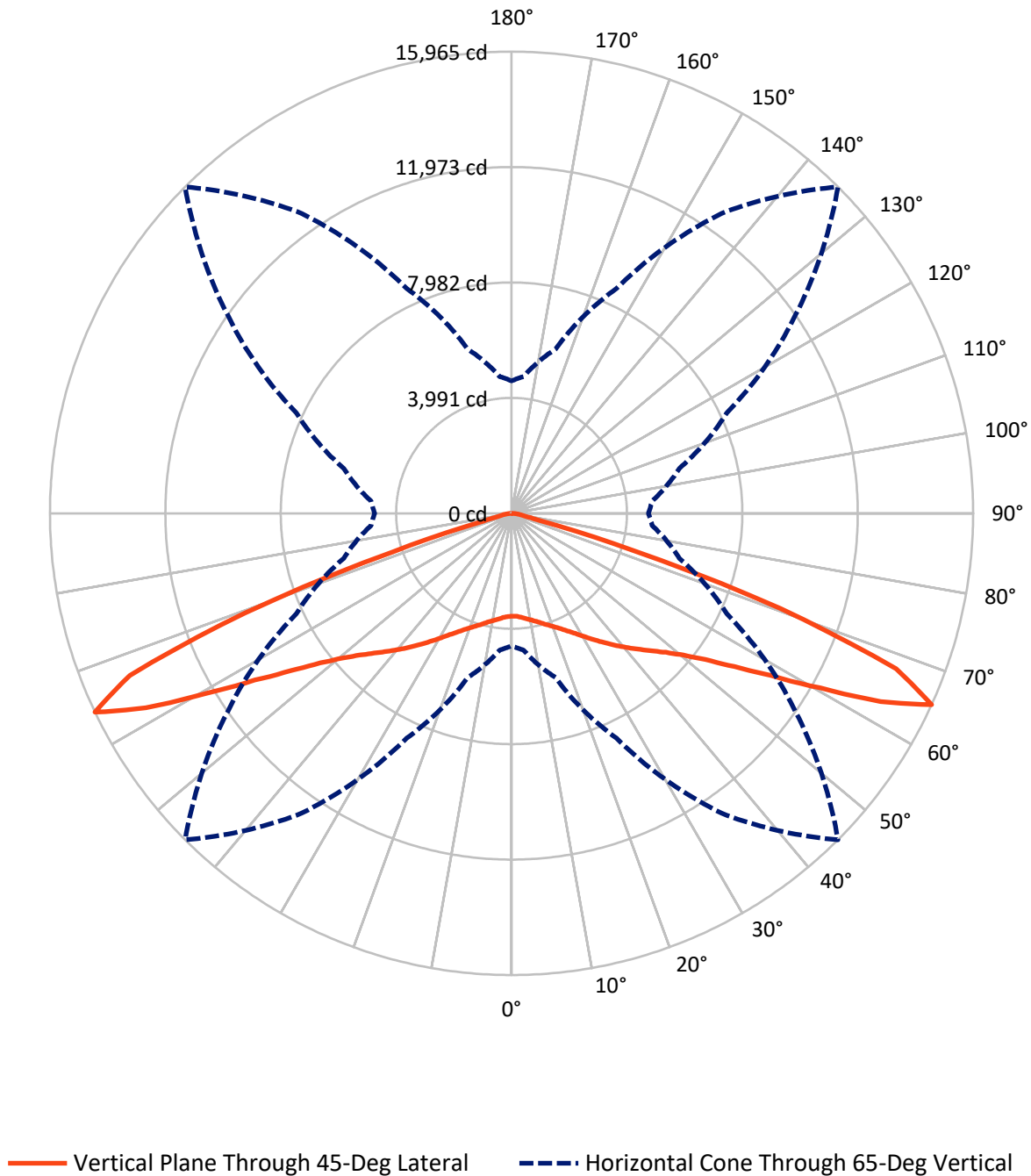
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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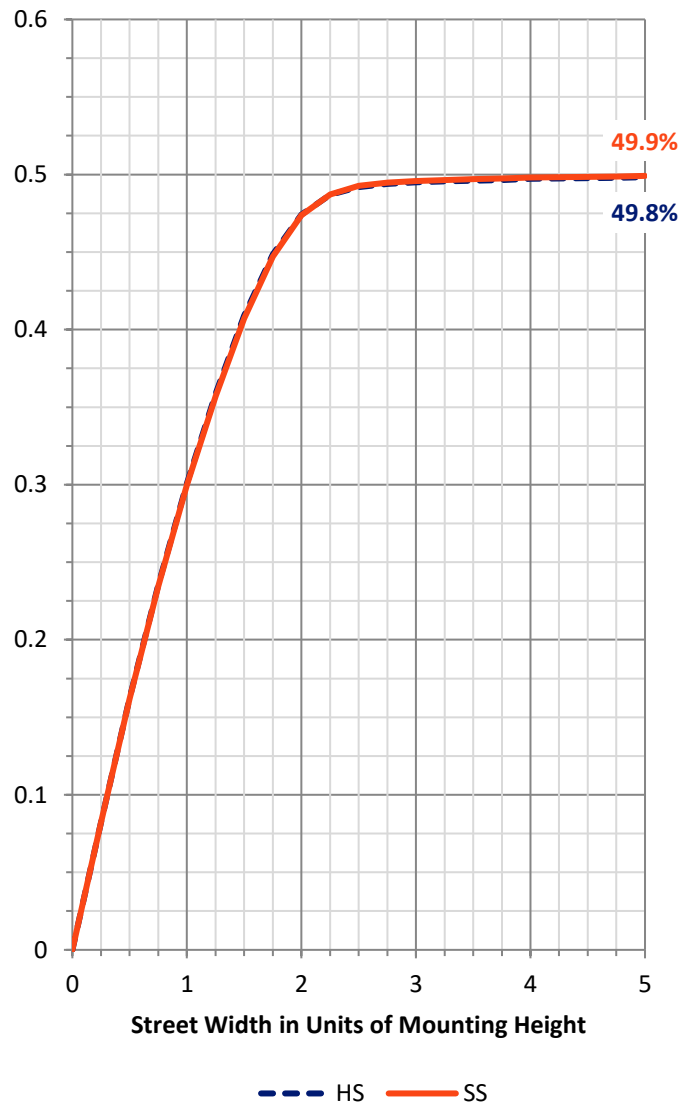
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14731.0	0.0	14731.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14731.0	0.0	14731.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29462.0	0.0	29462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.1	1.2
10°-20°	1122.0	3.8
20°-30°	2105.1	7.1
30°-40°	3481.5	11.8
40°-50°	5392.4	18.3
50°-60°	8270.4	28.1
60°-70°	7717.2	26.2
70°-80°	898.2	3.0
80°-90°	126.2	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°	29462.0	100.0
0°-180°	29462.0	100.0

Coefficient of Utilization



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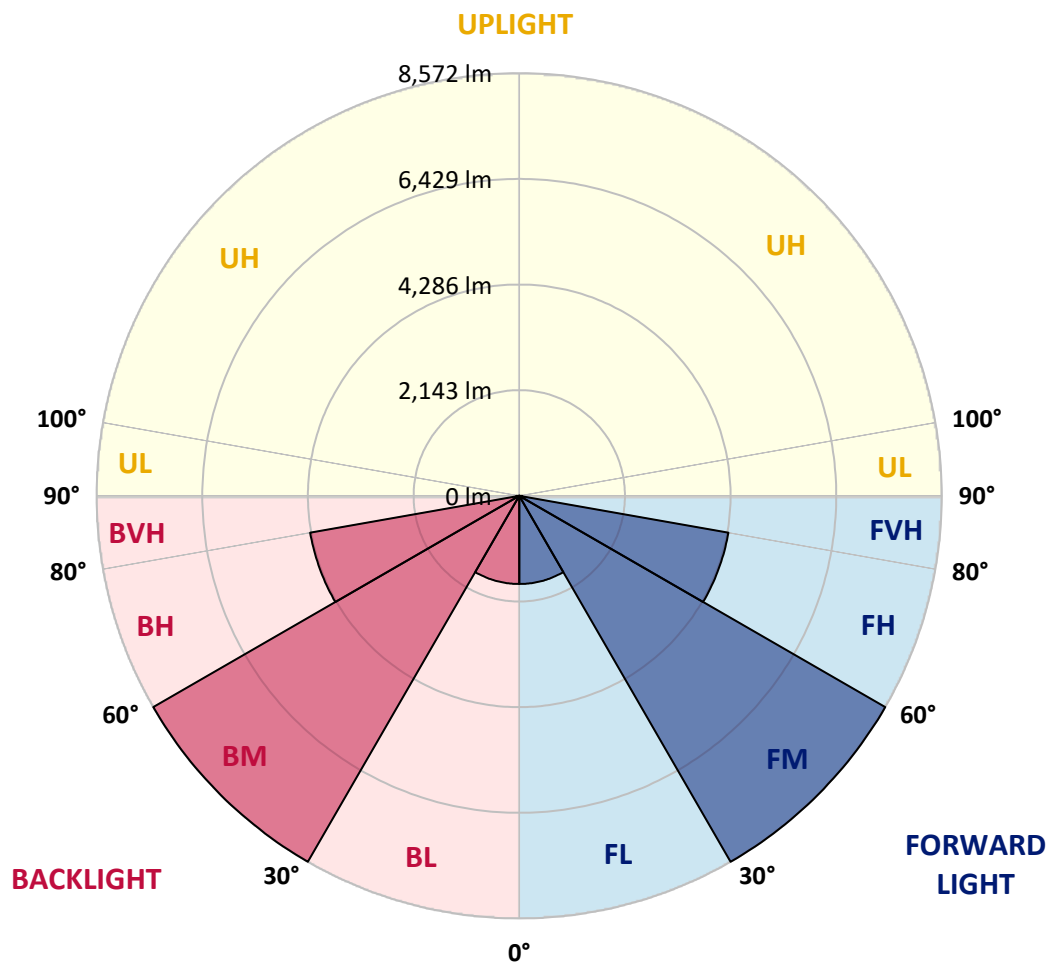
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1788.1	6.1			
FM	(30°-60°)	8572.1	29.1			
FH	(60°-80°)	4307.7	14.6			G2/5000
FVH	(80°-90°)	63.1	0.2			G1/100
BL	(0°-30°)	1788.1	6.1	B3/2500		
BM	(30°-60°)	8572.1	29.1	B5		
BH	(60°-80°)	4307.7	14.6	B4/5000		G2/5000
BVH	(80°-90°)	63.1	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°	3557.9	3557.9	3557.9	3557.9	3557.9	3557.9	3557.9	3557.9	3557.9	3557.9	3557.9
2.5°	3569.6	3567.7	3569.6	3570.6	3564.8	3567.7	3566.7	3571.6	3573.6	3571.6	3571.6
5°	3610.7	3607.8	3611.7	3616.6	3608.8	3610.7	3607.8	3613.7	3615.6	3611.7	3614.6
7.5°	3667.4	3668.4	3672.3	3681.1	3676.2	3680.2	3674.3	3675.3	3674.3	3668.4	3669.4
10°	3729.1	3730.0	3736.9	3748.6	3750.6	3750.6	3746.7	3743.7	3739.8	3735.9	3736.9
12.5°	3803.4	3808.3	3813.2	3827.8	3827.8	3835.7	3833.7	3825.9	3819.0	3813.2	3813.2
15°	3904.1	3903.1	3909.0	3923.7	3930.5	3943.2	3943.2	3932.5	3923.7	3917.8	3915.9
17.5°	4009.7	4012.7	4016.6	4034.2	4044.9	4059.6	4061.6	4052.8	4046.9	4039.1	4034.2
20°	4133.0	4137.9	4153.5	4160.3	4170.1	4183.8	4188.7	4186.8	4180.9	4177.0	4178.0
22.5°	4276.7	4289.4	4299.2	4309.0	4320.7	4330.5	4335.4	4342.3	4336.4	4333.5	4331.5
25°	4450.8	4459.6	4479.2	4496.8	4504.6	4507.5	4513.4	4523.2	4522.2	4515.4	4515.4
27.5°	4648.4	4665.0	4689.4	4714.9	4714.9	4705.1	4724.6	4741.3	4735.4	4726.6	4714.9
30°	4888.0	4903.6	4932.0	4967.2	4949.6	4942.7	4969.1	4999.5	4990.7	4976.0	4974.0
32.5°	5146.2	5160.8	5198.0	5236.1	5213.6	5203.9	5232.2	5276.2	5260.6	5231.2	5213.6
35°	5425.9	5440.5	5493.3	5539.3	5501.2	5484.5	5508.0	5555.9	5528.5	5473.8	5460.1
37.5°	5730.0	5737.8	5806.3	5853.2	5826.8	5782.8	5812.2	5847.4	5823.9	5757.4	5731.0
40°	6045.9	6074.3	6153.5	6208.2	6162.3	6092.8	6141.7	6190.6	6155.4	6070.4	6025.4
42.5°	6414.6	6436.1	6541.7	6590.6	6516.3	6418.5	6485.0	6551.5	6516.3	6434.2	6395.0
45°	6798.0	6831.2	6957.4	7006.3	6898.7	6774.5	6855.7	6972.1	6969.1	6850.8	6809.7
47.5°	7215.6	7248.8	7399.4	7464.0	7347.6	7181.3	7295.8	7460.1	7448.3	7318.3	7285.0
50°	7697.7	7732.9	7920.7	8001.9	7893.3	7699.7	7871.8	8016.5	7995.0	7834.6	7837.6
52.5°	8303.1	8301.1	8534.9	8675.7	8564.2	8393.1	8551.5	8692.3	8603.3	8381.3	8374.5
55°	8833.2	8865.4	9154.9	9421.9	9415.1	9349.5	9413.1	9419.0	9164.7	8869.3	8833.2
57.5°	9181.3	9242.9	9650.8	10133.9	10495.7	10582.8	10459.6	10086.0	9490.4	9018.0	8960.3
60°	8967.1	9061.0	9701.6	10686.4	11752.4	12263.9	11568.6	10409.7	9237.1	8578.9	8500.6
62.5°	7521.7	7680.1	8618.0	10419.5	12834.1	14329.4	12372.5	9890.4	8229.7	7323.2	7189.2
65°	4580.9	4748.1	5878.7	8576.0	12659.0	15964.6	12005.7	8209.2	6006.8	4879.2	4734.4
67.5°	1526.6	1575.5	2241.5	4740.3	9949.0	14344.1	9965.7	4914.4	2614.2	1733.0	1682.1
70°	597.5	602.4	711.0	1374.1	4698.2	9852.2	5184.3	1398.5	743.3	587.8	600.5
72.5°	439.1	441.1	471.4	574.1	1224.4	4340.3	1268.4	577.0	458.7	411.7	411.7
75°	353.1	353.1	374.6	418.6	548.6	995.6	556.5	413.7	358.9	328.6	324.7
77.5°	278.7	284.6	301.2	329.6	371.6	479.2	385.3	327.6	289.5	261.1	255.3
80°	207.3	213.2	240.6	254.3	267.0	332.5	284.6	256.2	228.8	195.6	189.7
82.5°	135.9	141.8	176.0	183.9	180.9	217.1	191.7	188.8	168.2	126.2	120.3
85°	89.0	91.0	117.4	122.2	112.5	98.8	122.2	129.1	117.4	82.2	79.2
87.5°	42.1	42.1	59.7	55.7	50.9	41.1	55.7	65.5	66.5	40.1	39.1
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)