

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: P316964

Luminaire Tested: **GAN-SA0B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316964
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-SA0B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 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: 46365 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

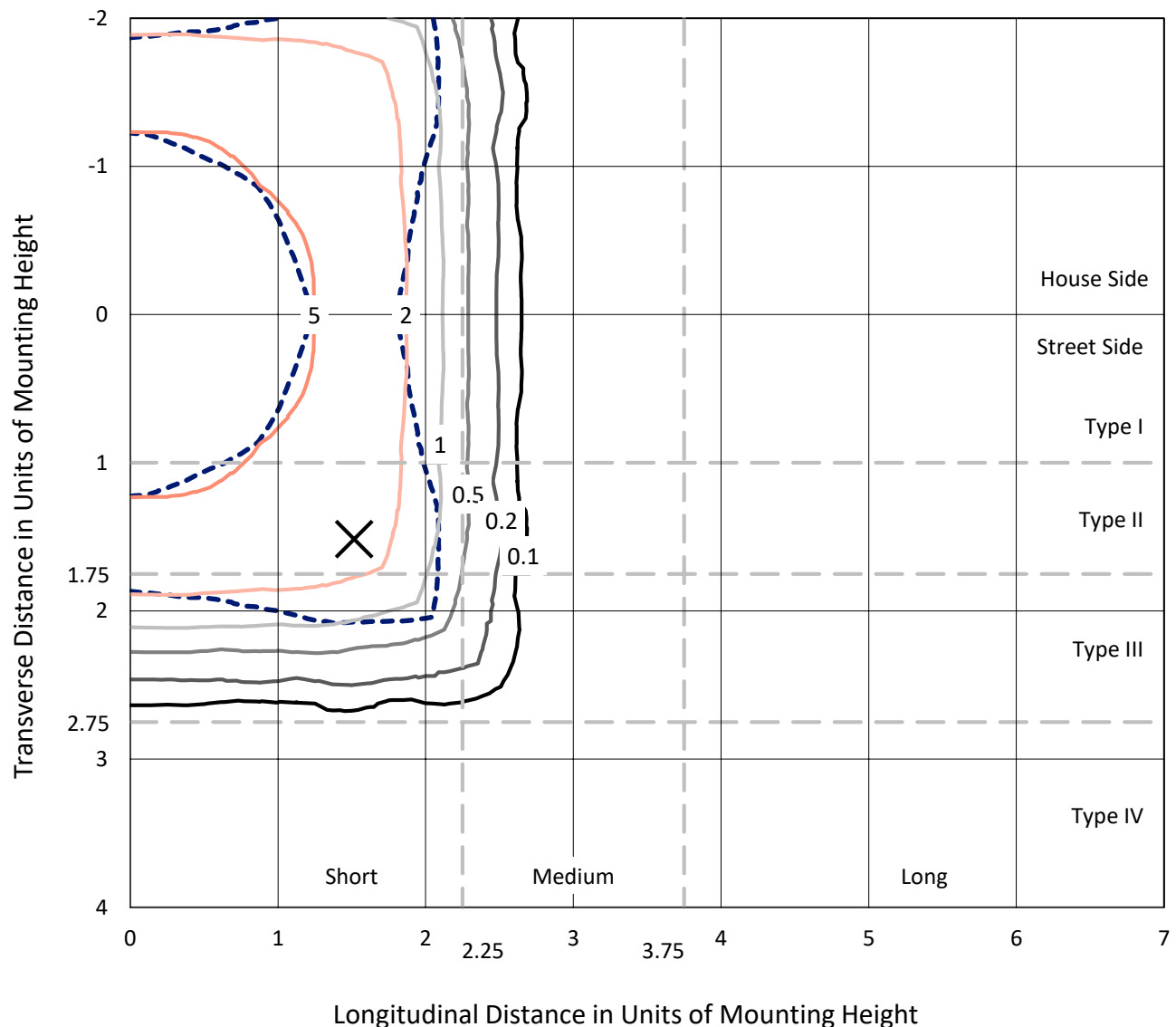
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

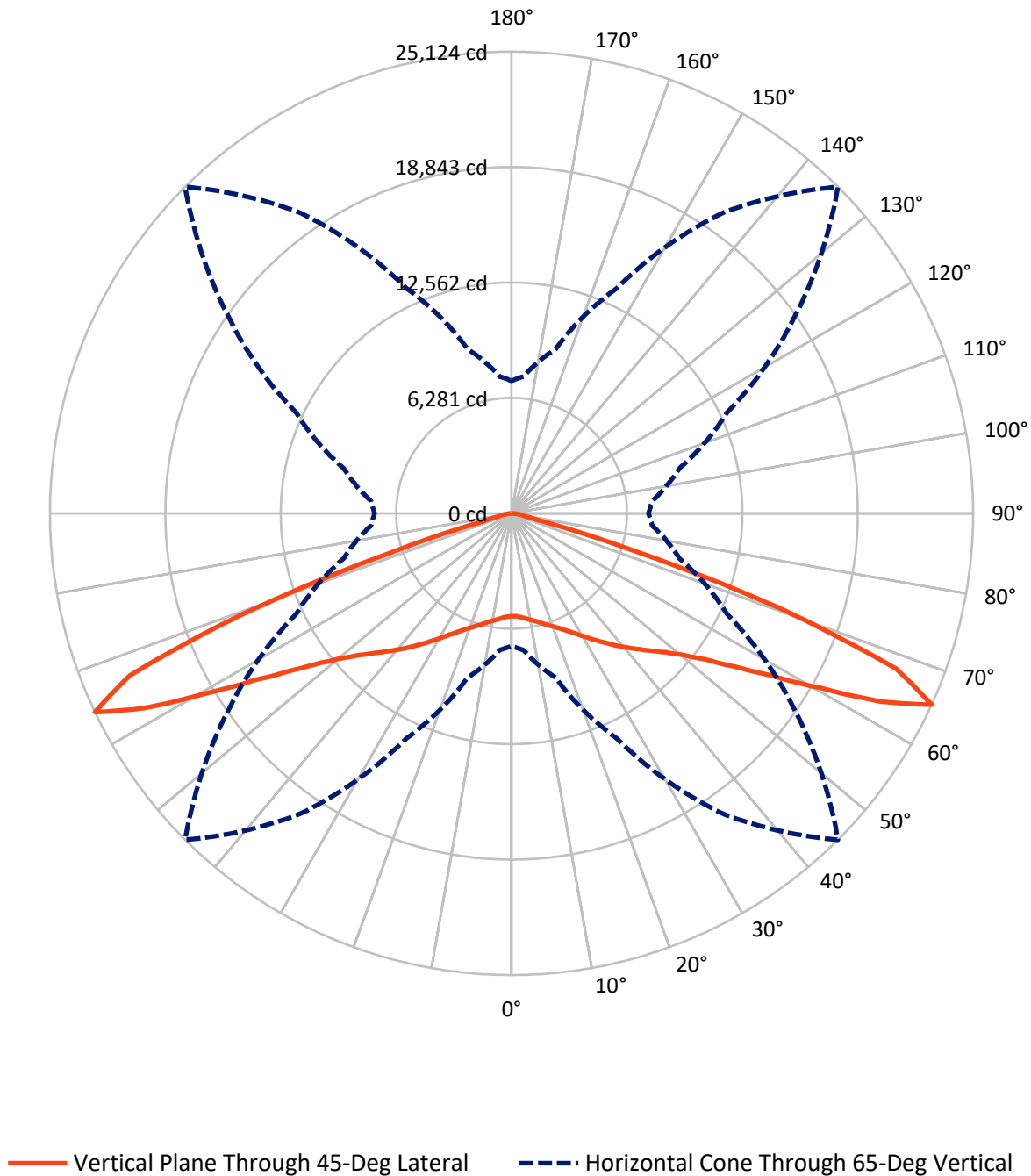
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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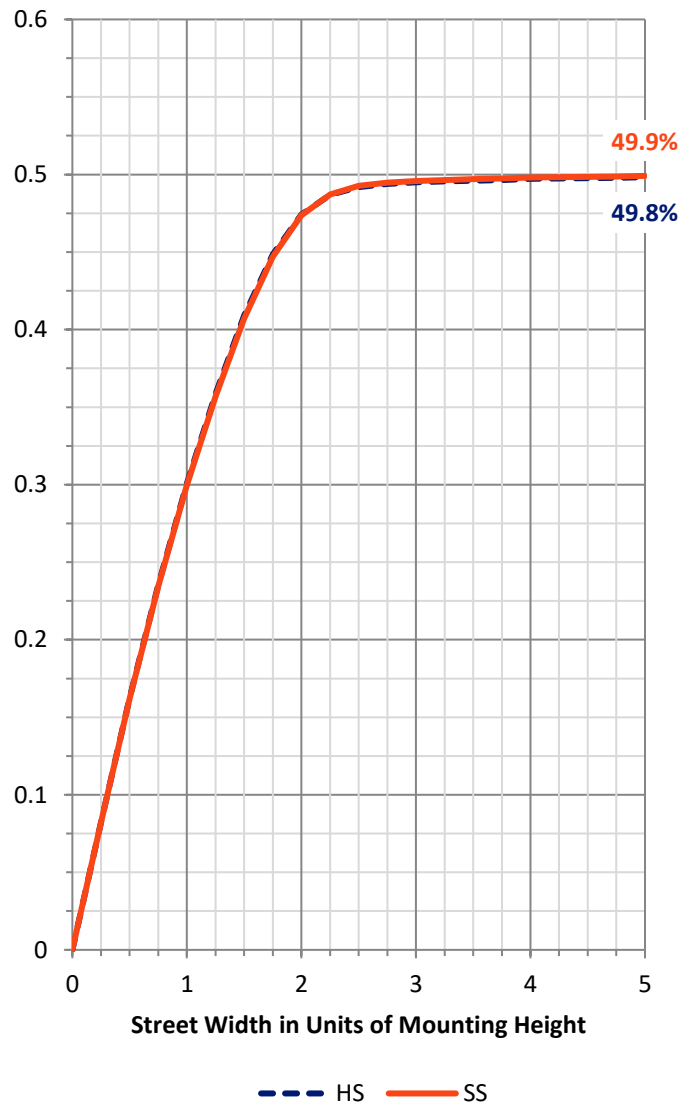
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23182.5	0.0	23182.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23182.5	0.0	23182.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46365.0	0.0	46365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.3	1.2
10°-20°	1765.8	3.8
20°-30°	3312.9	7.1
30°-40°	5478.9	11.8
40°-50°	8486.1	18.3
50°-60°	13015.2	28.1
60°-70°	12144.7	26.2
70°-80°	1413.5	3.0
80°-90°	198.6	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°	46365.0	100.0
0°-180°	46365.0	100.0

Coefficient of Utilization



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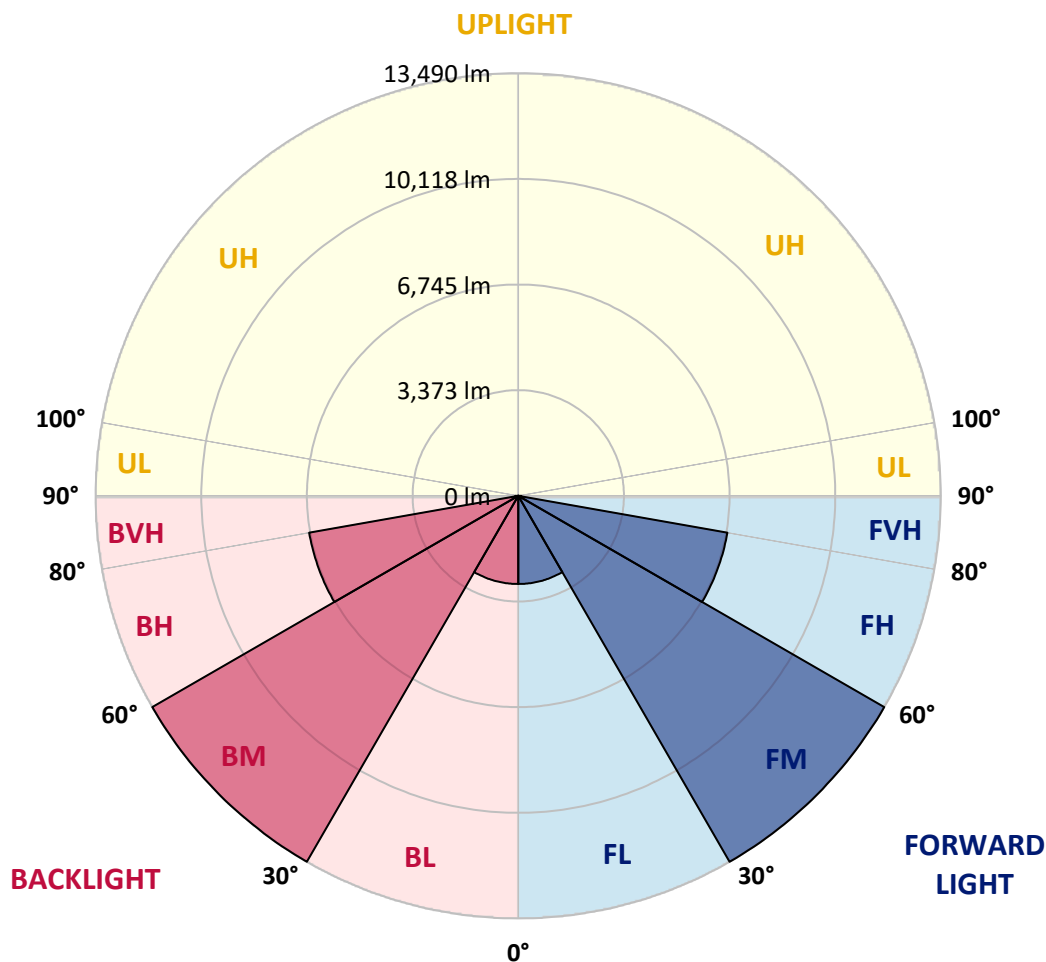
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2814.0	6.1			
FM	(30°-60°)	13490.1	29.1			
FH	(60°-80°)	6779.1	14.6			G3/7500
FVH	(80°-90°)	99.3	0.2			G1/100
BL	(0°-30°)	2814.0	6.1	B4/5000		
BM	(30°-60°)	13490.1	29.1	B5		
BH	(60°-80°)	6779.1	14.6	B5		G3/7500
BVH	(80°-90°)	99.3	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5599.2	5599.2	5599.2	5599.2	5599.2	5599.2	5599.2	5599.2	5599.2	5599.2	5599.2
2.5°	5617.6	5614.6	5617.6	5619.2	5609.9	5614.6	5613.0	5620.7	5623.8	5620.7	5620.7
5°	5682.3	5677.7	5683.8	5691.5	5679.2	5682.3	5677.7	5686.9	5690.0	5683.8	5688.4
7.5°	5771.5	5773.1	5779.2	5793.1	5785.4	5791.5	5782.3	5783.9	5782.3	5773.1	5774.6
10°	5868.5	5870.0	5880.8	5899.3	5902.4	5902.4	5896.2	5891.6	5885.4	5879.3	5880.8
12.5°	5985.5	5993.2	6000.9	6023.9	6023.9	6036.3	6033.2	6020.9	6010.1	6000.9	6000.9
15°	6144.0	6142.5	6151.7	6174.8	6185.5	6205.6	6205.6	6188.6	6174.8	6165.5	6162.5
17.5°	6310.2	6314.8	6321.0	6348.7	6365.6	6388.7	6391.8	6377.9	6368.7	6356.4	6348.7
20°	6504.1	6511.8	6536.5	6547.2	6562.6	6584.2	6591.9	6588.8	6579.6	6573.4	6574.9
22.5°	6730.4	6750.4	6765.8	6781.2	6799.6	6815.0	6822.7	6833.5	6824.3	6819.6	6816.6
25°	7004.3	7018.2	7049.0	7076.7	7089.0	7093.6	7102.8	7118.2	7116.7	7105.9	7105.9
27.5°	7315.2	7341.4	7379.9	7419.9	7419.9	7404.5	7435.3	7461.4	7452.2	7438.4	7419.9
30°	7692.3	7716.9	7761.6	7817.0	7789.3	7778.5	7820.0	7867.8	7853.9	7830.8	7827.7
32.5°	8098.6	8121.7	8180.2	8240.2	8204.8	8189.4	8234.1	8303.3	8278.7	8232.5	8204.8
35°	8538.8	8561.9	8645.0	8717.3	8657.3	8631.1	8668.1	8743.5	8700.4	8614.2	8592.7
37.5°	9017.5	9029.8	9137.5	9211.4	9169.8	9100.6	9146.7	9202.1	9165.2	9060.5	9019.0
40°	9514.6	9559.2	9683.9	9770.1	9697.7	9588.4	9665.4	9742.4	9686.9	9553.0	9482.3
42.5°	10094.8	10128.7	10294.9	10371.8	10254.9	10101.0	10205.6	10310.3	10254.9	10125.6	10064.0
45°	10698.1	10750.5	10949.0	11025.9	10856.6	10661.2	10788.9	10972.1	10967.5	10781.2	10716.6
47.5°	11355.3	11407.6	11644.7	11746.2	11563.1	11301.4	11481.5	11740.1	11721.6	11516.9	11464.6
50°	12114.1	12169.5	12465.0	12592.7	12421.9	12117.2	12388.0	12615.8	12582.0	12329.5	12334.2
52.5°	13066.8	13063.7	13431.5	13653.1	13477.7	13208.4	13457.7	13679.3	13539.3	13189.9	13179.1
55°	13900.9	13951.7	14407.3	14827.5	14816.7	14713.6	14813.6	14822.8	14422.7	13957.9	13900.9
57.5°	14448.9	14545.8	15187.6	15947.9	16517.4	16654.3	16460.4	15872.5	14935.2	14191.8	14101.0
60°	14111.8	14259.5	15267.6	16817.5	18495.1	19300.0	18205.7	16381.9	14536.6	13500.8	13377.7
62.5°	11837.0	12086.4	13562.3	16397.3	20197.3	22550.6	19470.9	15564.7	12951.3	11524.6	11313.8
65°	7209.0	7472.2	9251.4	13496.2	19921.8	25123.9	18893.7	12919.0	9453.0	7678.5	7450.7
67.5°	2402.5	2479.5	3527.6	7459.9	15657.0	22573.6	15683.2	7733.9	4114.0	2727.2	2647.2
70°	940.4	948.1	1118.9	2162.4	7393.7	15504.7	8158.6	2200.9	1169.7	925.0	945.0
72.5°	691.0	694.1	741.8	903.4	1926.9	6830.4	1996.2	908.1	721.8	648.0	648.0
75°	555.6	555.6	589.5	658.7	863.4	1566.8	875.7	651.0	564.8	517.1	511.0
77.5°	438.6	447.9	474.0	518.7	584.8	754.1	606.4	515.6	455.6	410.9	401.7
80°	326.3	335.5	378.6	400.2	420.2	523.3	447.9	403.2	360.1	307.8	298.6
82.5°	213.9	223.2	277.0	289.3	284.7	341.7	301.7	297.0	264.7	198.5	189.3
85°	140.1	143.1	184.7	192.4	177.0	155.4	192.4	203.2	184.7	129.3	124.7
87.5°	66.2	66.2	93.9	87.7	80.0	64.6	87.7	103.1	104.7	63.1	61.6
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)