

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: P316734

Luminaire Tested: **GAN-SA0C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316734
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-SA0C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 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: 60393 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

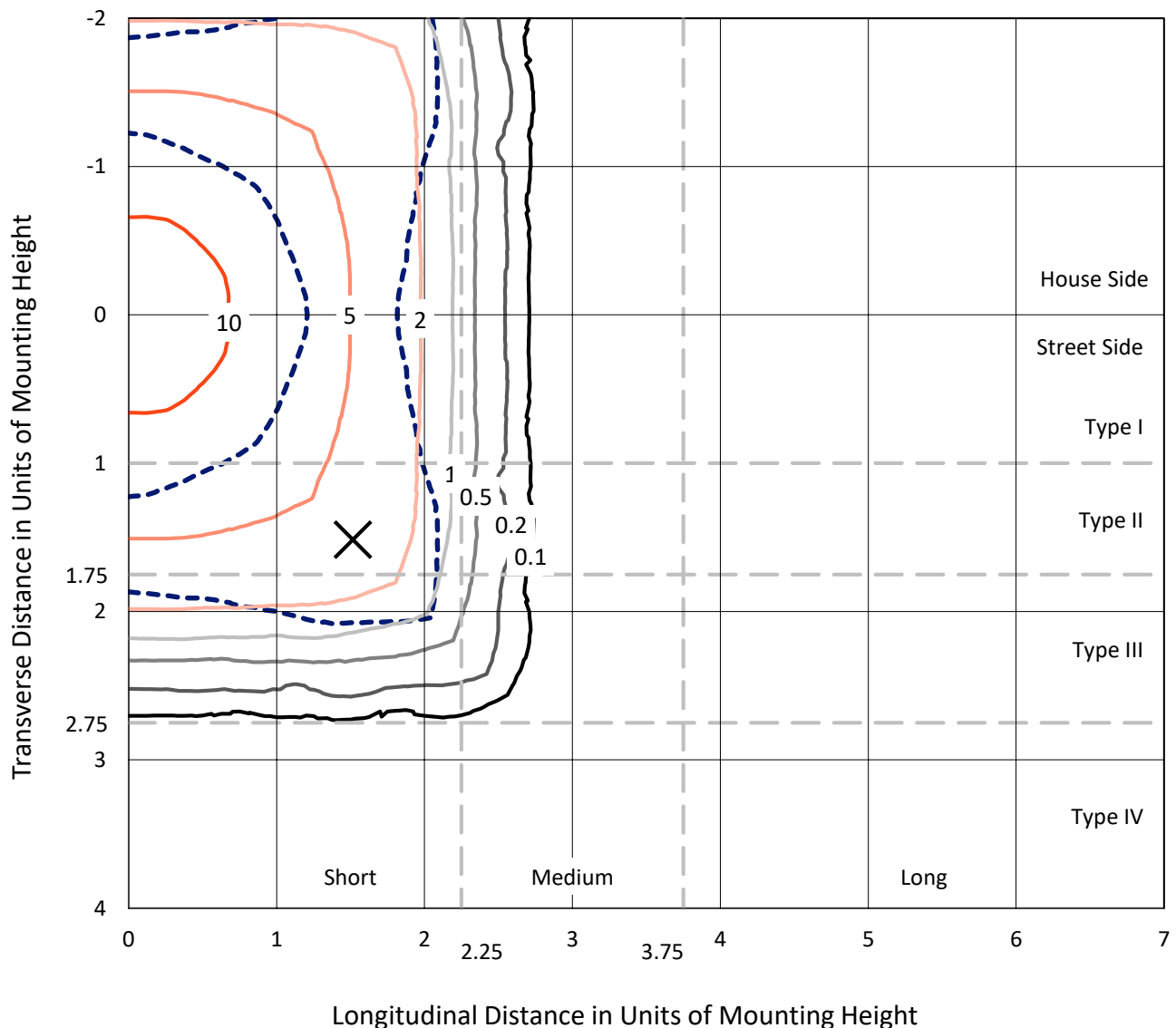
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

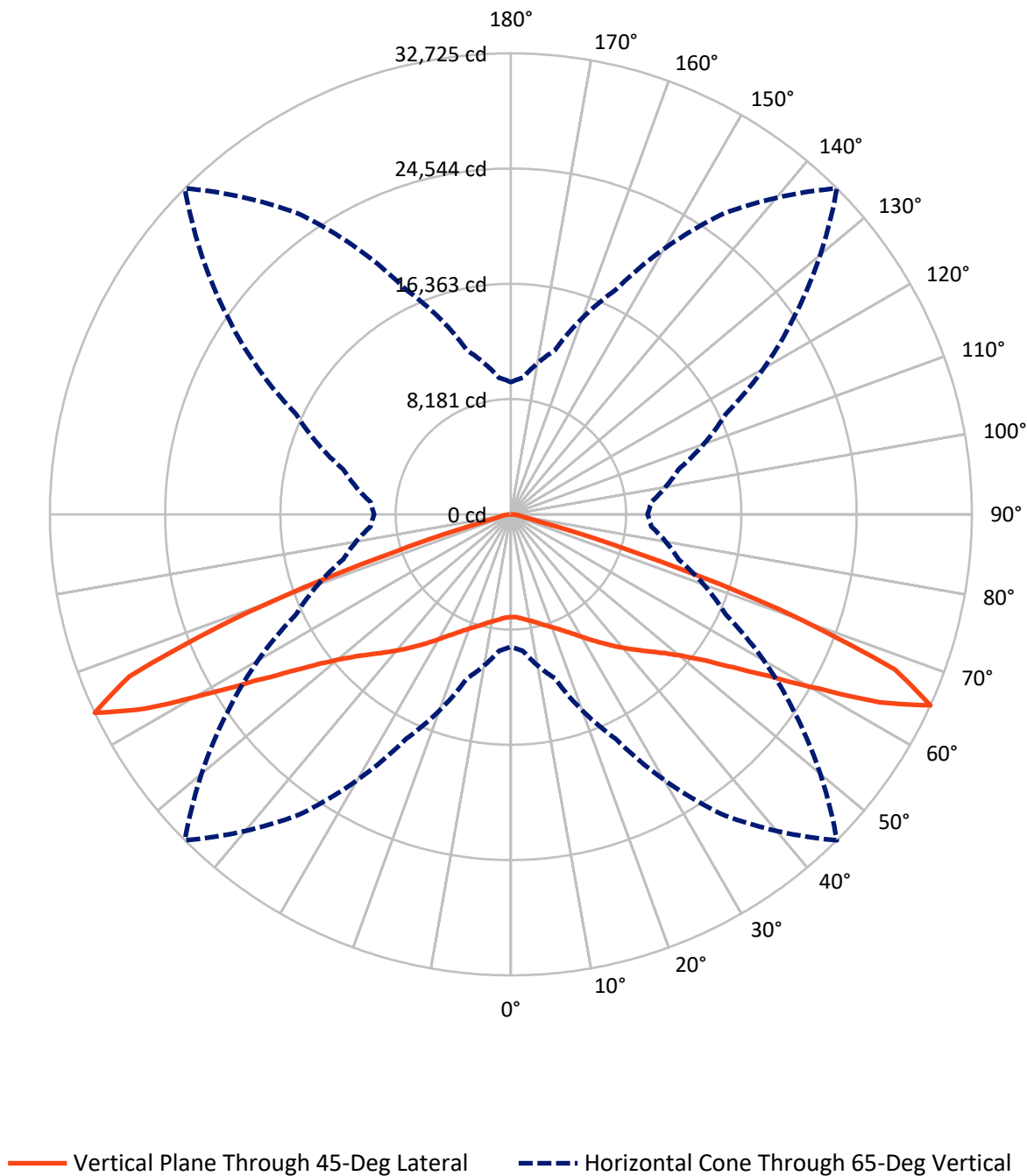
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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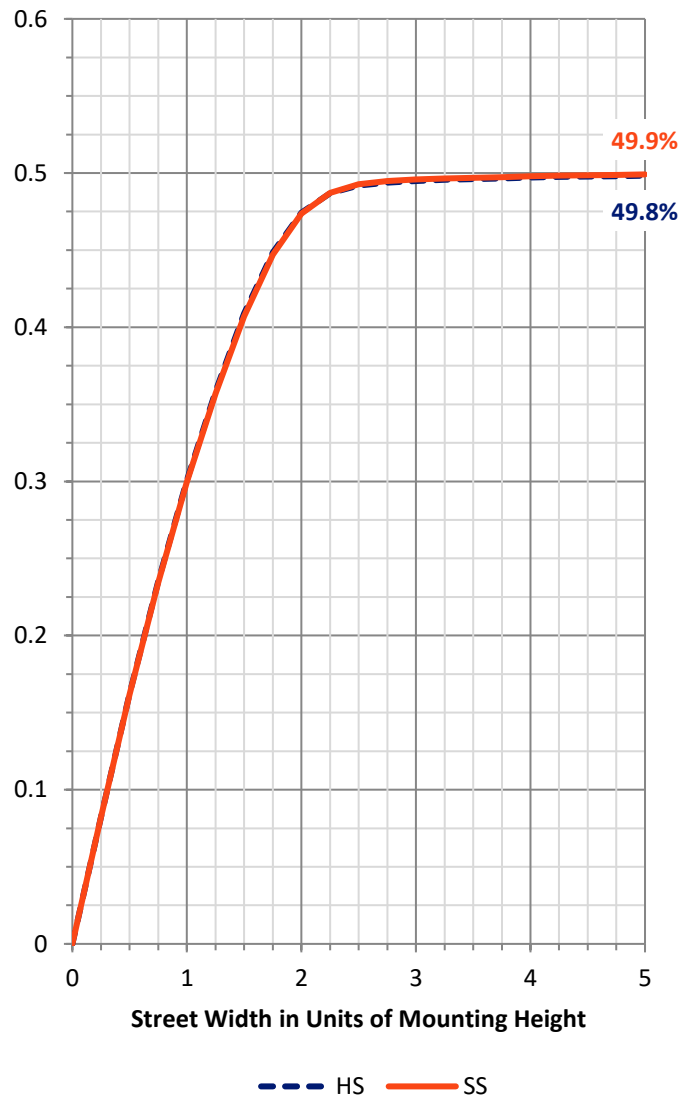
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30196.5	0.0	30196.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30196.5	0.0	30196.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	60393.0	0.0	60393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.5	1.2
10°-20°	2300.0	3.8
20°-30°	4315.3	7.1
30°-40°	7136.6	11.8
40°-50°	11053.6	18.3
50°-60°	16953.1	28.1
60°-70°	15819.2	26.2
70°-80°	1841.1	3.0
80°-90°	258.7	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°	60393.0	100.0
0°-180°	60393.0	100.0

Coefficient of Utilization



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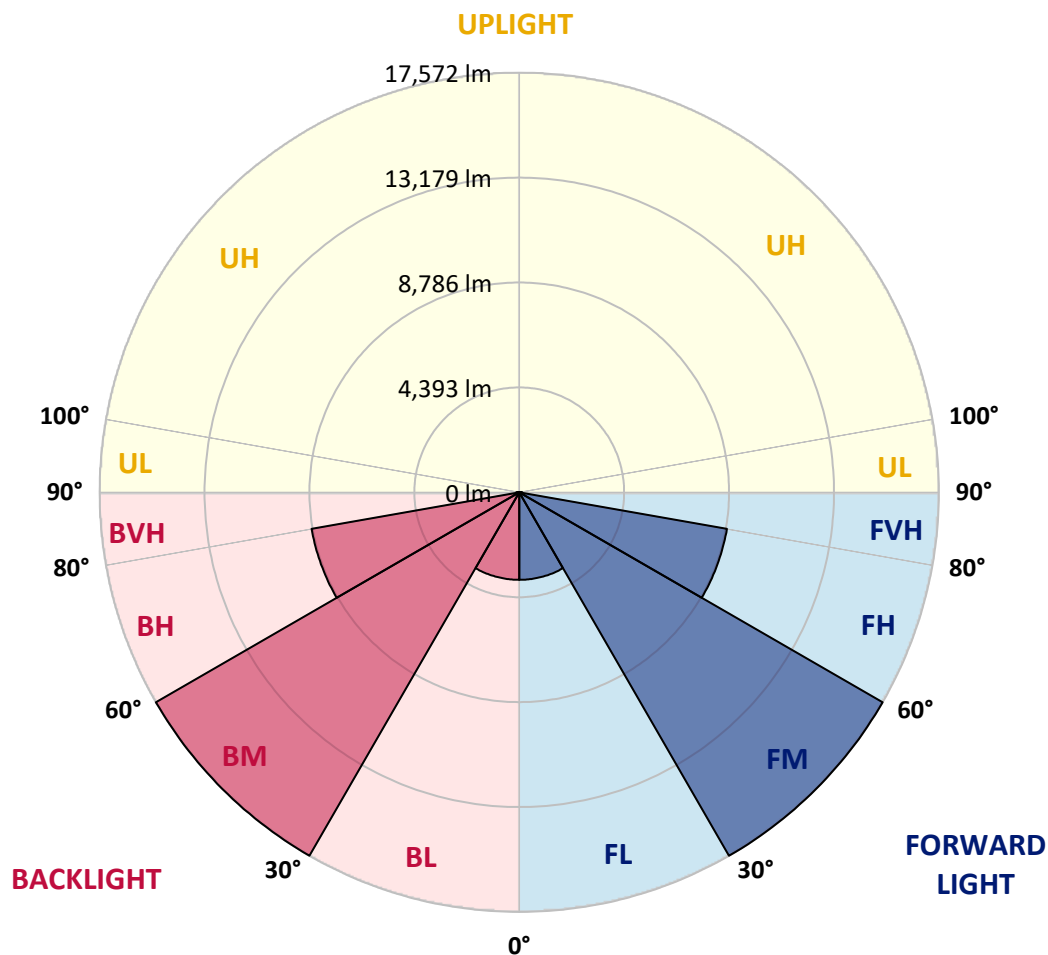
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3665.4	6.1			
FM	(30°-60°)	17571.6	29.1			
FH	(60°-80°)	8830.1	14.6			G4/12000
FVH	(80°-90°)	129.4	0.2			G2/225
BL	(0°-30°)	3665.4	6.1	B4/5000		
BM	(30°-60°)	17571.6	29.1	B5		
BH	(60°-80°)	8830.1	14.6	B5		G4/12000
BVH	(80°-90°)	129.4	0.2			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°	7293.2	7293.2	7293.2	7293.2	7293.2	7293.2	7293.2	7293.2	7293.2	7293.2	7293.2
2.5°	7317.3	7313.3	7317.3	7319.3	7307.3	7313.3	7311.3	7321.3	7325.3	7321.3	7321.3
5°	7401.5	7395.5	7403.5	7413.5	7397.5	7401.5	7395.5	7407.5	7411.5	7403.5	7409.5
7.5°	7517.7	7519.8	7527.8	7545.8	7535.8	7543.8	7531.8	7533.8	7531.8	7519.8	7521.8
10°	7644.0	7646.1	7660.1	7684.1	7688.2	7688.2	7680.1	7674.1	7666.1	7658.1	7660.1
12.5°	7796.4	7806.4	7816.5	7846.5	7846.5	7862.6	7858.6	7842.5	7828.5	7816.5	7816.5
15°	8002.9	8000.9	8012.9	8043.0	8057.0	8083.1	8083.1	8061.0	8043.0	8031.0	8027.0
17.5°	8219.4	8225.4	8233.4	8269.5	8291.6	8321.6	8325.7	8307.6	8295.6	8279.5	8269.5
20°	8472.0	8482.0	8514.1	8528.1	8548.2	8576.2	8586.3	8582.3	8570.2	8562.2	8564.2
22.5°	8766.7	8792.8	8812.8	8832.9	8856.9	8877.0	8887.0	8901.0	8889.0	8883.0	8879.0
25°	9123.5	9141.6	9181.7	9217.8	9233.8	9239.8	9251.8	9271.9	9269.9	9255.9	9255.9
27.5°	9528.5	9562.6	9612.7	9664.8	9664.8	9644.8	9684.9	9718.9	9706.9	9688.9	9664.8
30°	10019.7	10051.7	10109.9	10182.0	10146.0	10131.9	10186.0	10248.2	10230.2	10200.1	10196.1
32.5°	10548.9	10579.0	10655.2	10733.3	10687.2	10667.2	10725.3	10815.5	10783.5	10723.3	10687.2
35°	11122.3	11152.3	11260.6	11354.8	11276.6	11242.5	11290.7	11388.9	11332.8	11220.5	11192.4
37.5°	11745.7	11761.8	11902.1	11998.3	11944.2	11854.0	11914.1	11986.3	11938.2	11801.9	11747.7
40°	12393.3	12451.4	12613.8	12726.0	12631.8	12489.5	12589.7	12690.0	12617.8	12443.4	12351.2
42.5°	13149.0	13193.1	13409.7	13509.9	13357.5	13157.1	13293.4	13429.7	13357.5	13189.1	13109.0
45°	13934.9	14003.1	14261.7	14361.9	14141.4	13886.8	14053.2	14291.7	14285.7	14043.2	13959.0
47.5°	14790.9	14859.1	15167.8	15300.1	15061.6	14720.8	14955.3	15292.1	15268.0	15001.4	14933.3
50°	15779.3	15851.4	16236.3	16402.7	16180.2	15783.3	16136.1	16432.8	16388.7	16059.9	16065.9
52.5°	17020.2	17016.2	17495.3	17784.0	17555.4	17204.6	17529.4	17818.1	17635.6	17180.6	17166.5
55°	18106.8	18172.9	18766.3	19313.6	19299.6	19165.2	19295.6	19307.6	18786.4	18180.9	18106.8
57.5°	18820.4	18946.7	19782.7	20773.0	21514.8	21693.2	21440.6	20674.8	19453.9	18485.6	18367.4
60°	18381.4	18573.9	19887.0	21905.7	24090.9	25139.4	23714.0	21338.4	18934.7	17585.5	17425.1
62.5°	15418.4	15743.2	17665.7	21358.4	26308.1	29373.4	25361.9	20273.9	16869.8	15011.4	14736.8
65°	9390.2	9733.0	12050.5	17579.5	25949.3	32725.3	24610.1	16827.7	12313.1	10001.6	9704.9
67.5°	3129.4	3229.6	4594.8	9716.9	20394.2	29403.4	20428.2	10073.8	5358.7	3552.4	3448.1
70°	1224.9	1234.9	1457.4	2816.7	9630.7	20195.7	10627.1	2866.8	1523.6	1204.8	1230.9
72.5°	900.1	904.1	966.3	1176.8	2509.9	8897.0	2600.1	1182.8	940.2	844.0	844.0
75°	723.7	723.7	767.8	858.0	1124.7	2040.8	1140.7	848.0	735.7	673.6	665.6
77.5°	571.3	583.4	617.5	675.6	761.8	982.3	789.9	671.6	593.4	535.3	523.2
80°	425.0	437.0	493.2	521.2	547.3	681.6	583.4	525.2	469.1	400.9	388.9
82.5°	278.7	290.7	360.9	376.9	370.9	445.1	392.9	386.9	344.8	258.6	246.6
85°	182.4	186.4	240.6	250.6	230.5	202.5	250.6	264.6	240.6	168.4	162.4
87.5°	86.2	86.2	122.3	114.3	104.2	84.2	114.3	134.3	136.3	82.2	80.2
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)