

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: McGRAW-EDISON

Report Number: P455484

Luminaire Tested: **GALN-SA6C-830-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-830-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33070 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 321
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

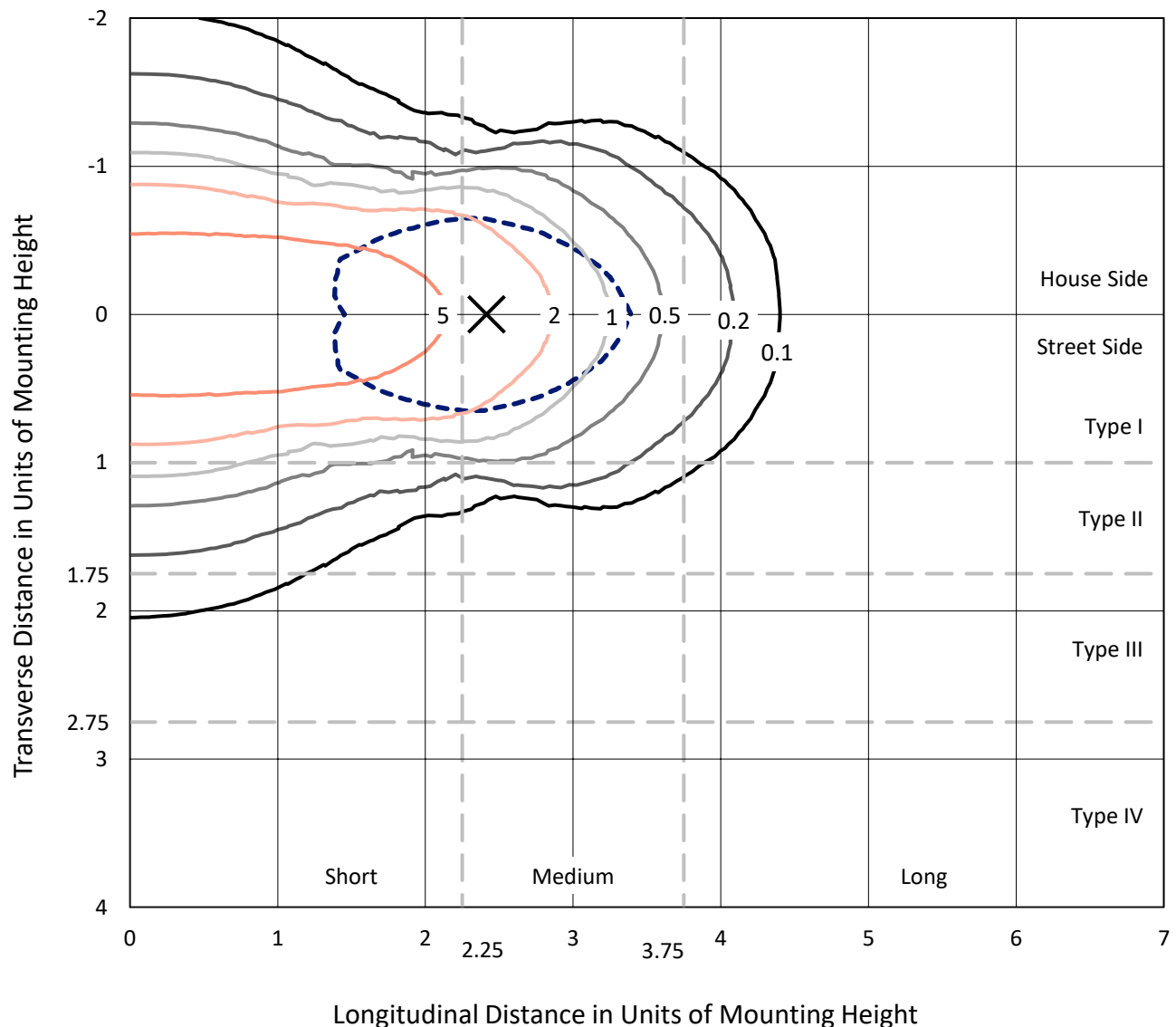


REPORT NUMBER: P455484

CATALOG NUMBER: GALN-SA6C-830-U-T1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



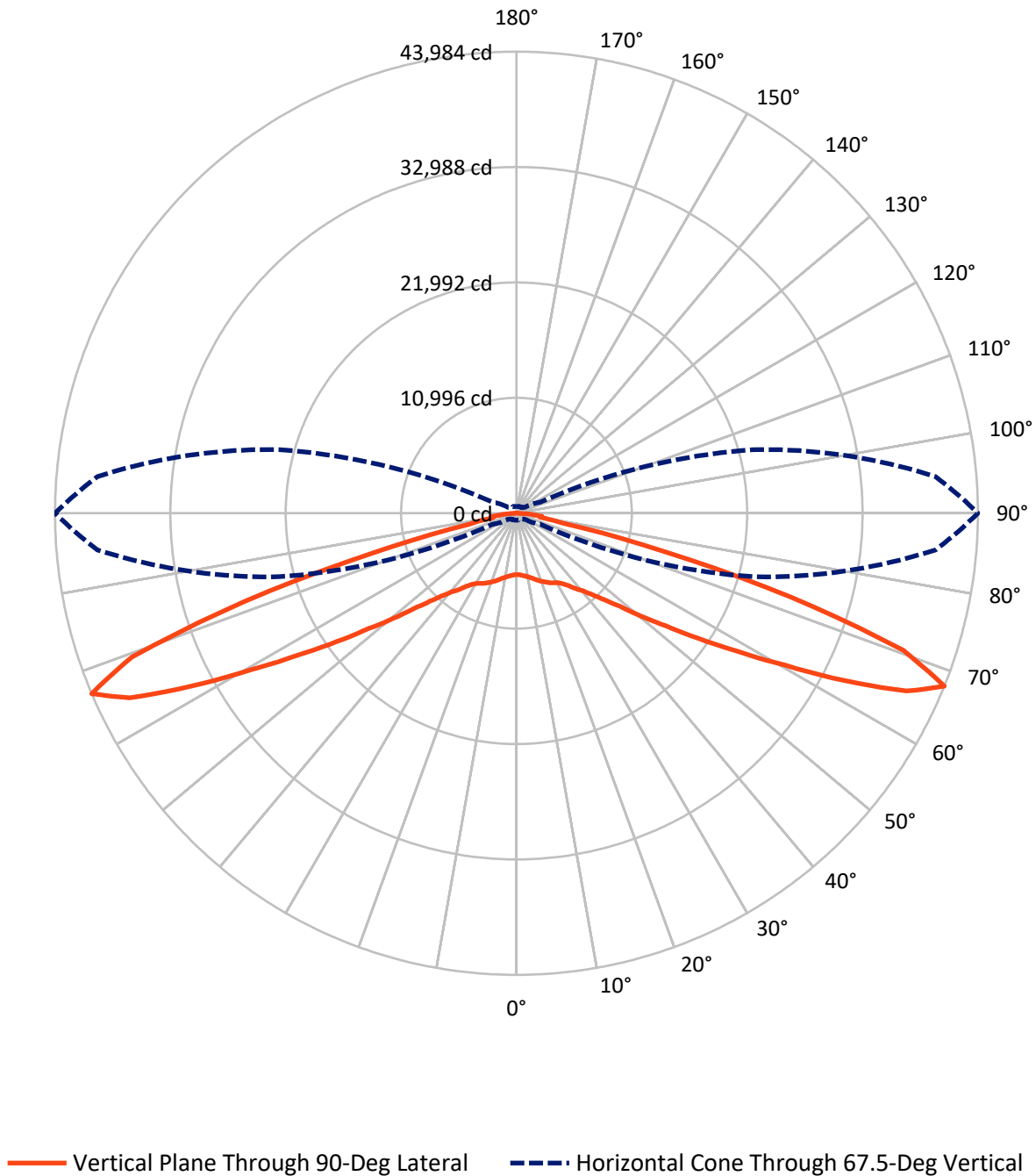
Based on 25 foot mounting height. Maximum calculated value = 9.8 fc

Type I - Short - N/A

REPORT NUMBER: P455484

CATALOG NUMBER: GALN-SA6C-830-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P455484

CATALOG NUMBER: GALN-SA6C-830-U-T1

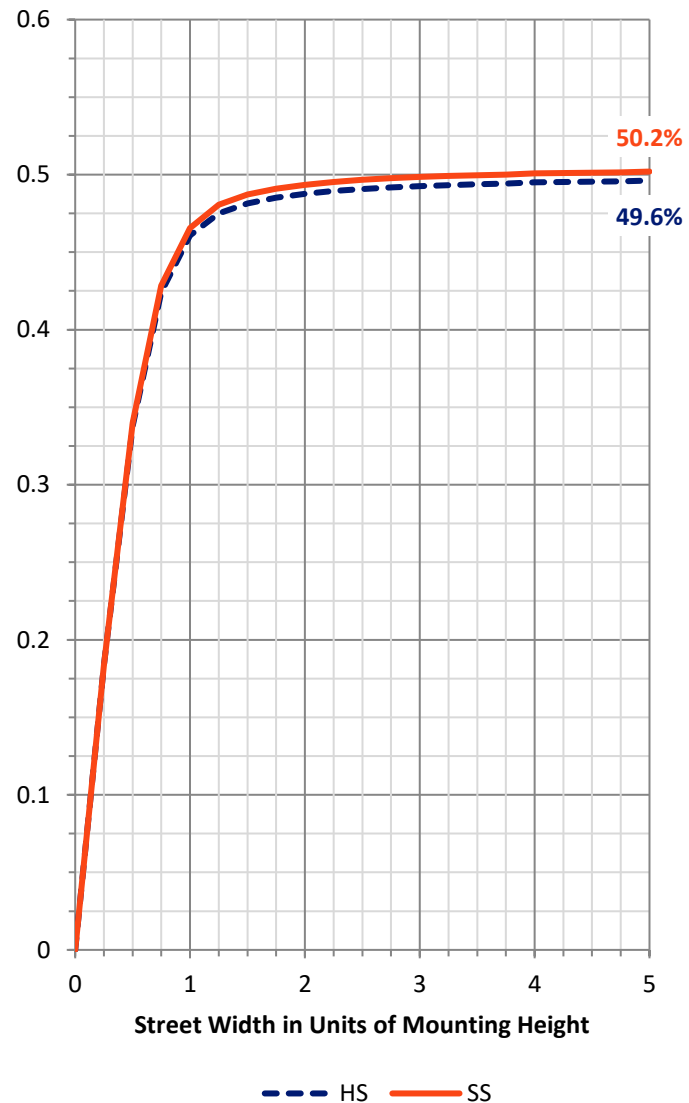
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16535.0	0.0	16535.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16535.0	0.0	16535.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33070.0	0.0	33070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.7	1.8
10°-20°	1867.5	5.6
20°-30°	3125.7	9.5
30°-40°	4234.5	12.8
40°-50°	5363.7	16.2
50°-60°	6700.6	20.3
60°-70°	7876.2	23.8
70°-80°	3013.0	9.1
80°-90°	305.2	0.9
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°	33070.0	100.0
0°-180°	33070.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455484

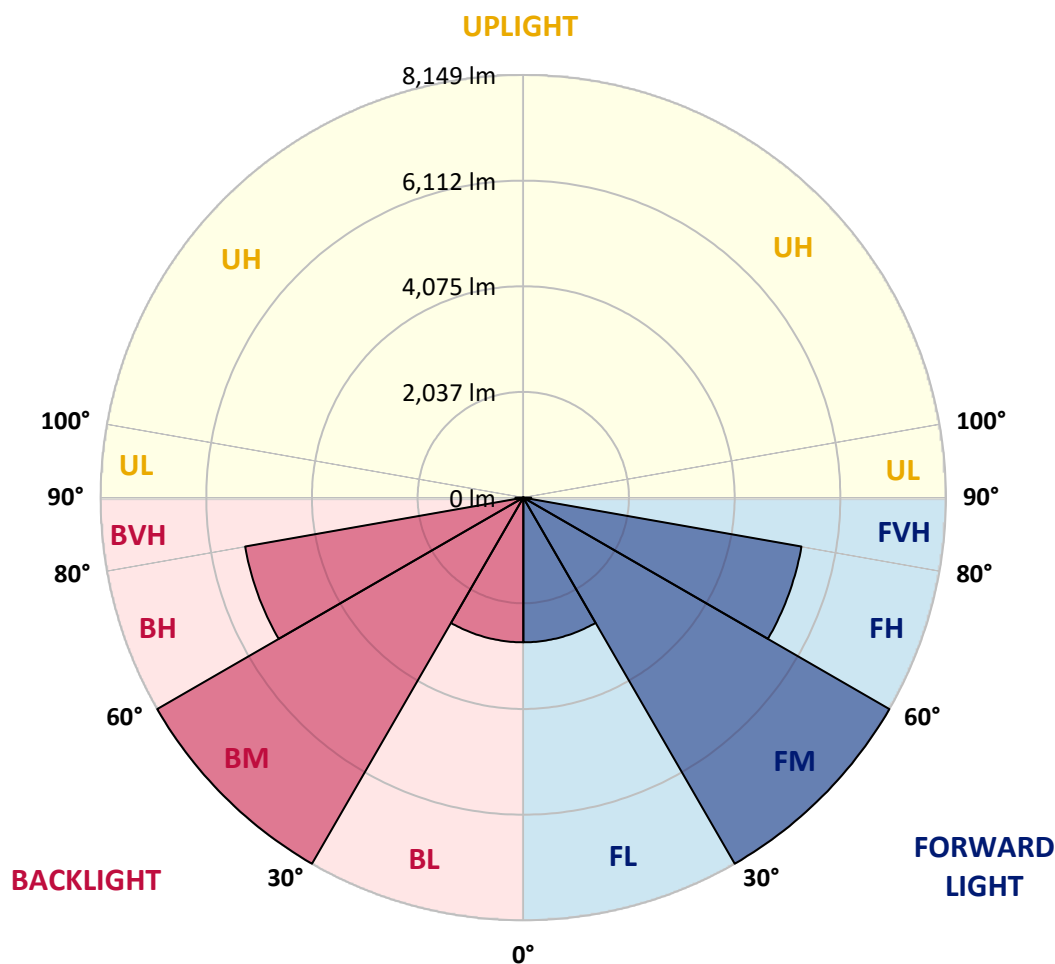
CATALOG NUMBER: GALN-SA6C-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2788.4	8.4			
FM	(30°-60°)	8149.3	24.6			
FH	(60°-80°)	5444.6	16.5			G3/7500
FVH	(80°-90°)	152.6	0.5			G2/225
BL	(0°-30°)	2788.4	8.4	B4/5000		
BM	(30°-60°)	8149.3	24.6	B4/8500		
BH	(60°-80°)	5444.6	16.5	B5		G5
BVH	(80°-90°)	152.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short





REPORT NUMBER: P455484

CATALOG NUMBER: GALN-SA6C-830-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5854.4	5854.4	5854.4	5854.4	5854.4	5854.4	5854.4	5854.4	5854.4	5854.4	5854.4
2.5°	5929.5	5925.8	5927.7	5925.8	5931.3	5927.7	5905.7	5887.4	5872.7	5874.6	5869.1
5°	6055.9	6057.7	6059.5	6050.4	6063.2	6055.9	6021.1	5991.8	5962.5	5951.5	5947.8
7.5°	6160.2	6169.4	6174.9	6184.0	6206.0	6206.0	6187.7	6145.6	6081.5	6044.9	6043.0
10°	6264.6	6271.9	6288.4	6317.7	6354.3	6389.1	6381.8	6325.0	6242.6	6180.4	6165.7
12.5°	6301.2	6310.4	6365.3	6449.6	6532.0	6599.7	6599.7	6553.9	6447.7	6352.5	6325.0
15°	6173.1	6189.5	6288.4	6467.9	6684.0	6832.3	6865.3	6801.2	6687.6	6541.1	6508.2
17.5°	5918.5	5958.8	6103.5	6369.0	6727.9	7035.6	7130.8	7099.7	6953.2	6766.4	6727.9
20°	5645.7	5689.6	5843.4	6195.0	6691.3	7154.6	7431.1	7438.4	7257.1	6986.1	6929.3
22.5°	5345.3	5378.3	5576.1	5988.1	6581.4	7182.1	7689.3	7815.7	7570.3	7205.9	7125.3
25°	5008.4	5045.0	5251.9	5696.9	6374.5	7150.9	7925.5	8203.9	7898.1	7440.3	7337.7
27.5°	4686.1	4700.7	4922.3	5374.6	6101.6	7070.4	8099.5	8561.0	8260.6	7634.4	7504.4
30°	4376.6	4411.4	4607.4	5054.2	5788.5	6912.9	8249.7	8967.5	8650.7	7837.6	7671.0
32.5°	4048.8	4091.0	4303.4	4755.7	5475.4	6676.6	8341.2	9412.5	9194.6	8167.3	7989.6
35°	3733.9	3761.3	3975.6	4415.1	5169.5	6402.0	8357.7	9914.2	9895.9	8667.2	8431.0
37.5°	3411.6	3451.9	3667.9	4089.1	4845.4	6110.8	8275.3	10447.1	10742.0	9361.2	9106.7
40°	3102.1	3136.9	3349.3	3774.2	4477.3	5755.5	8079.4	10934.2	11729.0	10075.4	9714.6
42.5°	2765.1	2774.3	3006.9	3439.0	4116.6	5343.5	7797.3	11368.2	12829.5	11033.1	10584.5
45°	2382.4	2406.2	2622.3	3047.2	3702.7	4882.0	7414.6	11727.2	14224.9	12360.8	11749.1
47.5°	1999.7	2019.8	2217.6	2637.0	3250.4	4352.8	6825.0	12042.1	15657.0	14047.3	13245.2
50°	1626.1	1637.1	1798.3	2170.0	2741.3	3796.1	6094.3	12142.8	17275.8	16435.2	15411.6
52.5°	1285.5	1302.0	1424.7	1715.9	2197.5	3138.7	5305.1	11893.8	19165.6	19266.3	17823.3
55°	1042.0	1047.5	1139.0	1353.3	1717.7	2450.2	4352.8	11199.8	21198.2	22893.9	21053.6
57.5°	897.3	901.0	952.2	1071.3	1322.1	1847.7	3376.8	9886.8	23024.0	27144.2	24778.3
60°	814.9	816.7	846.0	915.6	1047.5	1417.4	2419.0	8033.6	24825.9	31874.3	29407.6
62.5°	763.6	763.6	783.8	822.2	886.3	1087.7	1752.5	5795.8	26060.1	36673.9	35113.7
65°	714.2	714.2	728.8	756.3	791.1	890.0	1294.7	3779.6	26029.0	40169.7	40852.8
67.5°	657.4	657.4	668.4	695.9	716.0	765.5	999.8	2475.8	23381.1	40092.8	43984.1
70°	589.7	589.7	604.3	628.1	644.6	675.7	789.3	1693.9	17176.9	34232.9	39116.8
72.5°	521.9	523.7	532.9	556.7	569.5	587.8	655.6	1186.6	10536.9	23309.6	27351.1
75°	446.8	450.5	459.6	483.4	494.4	501.8	553.0	846.0	5330.7	12567.7	14309.2
77.5°	360.8	368.1	373.6	399.2	406.5	417.5	456.0	611.6	2340.3	4515.8	4556.1
80°	263.7	272.9	289.3	313.1	318.6	326.0	347.9	434.0	1060.3	2062.0	2239.6
82.5°	194.1	206.9	186.8	217.9	217.9	208.8	245.4	291.2	487.1	2041.8	2442.9
85°	106.2	108.0	97.1	111.7	119.0	117.2	130.0	142.8	236.2	1362.4	1404.5
87.5°	25.6	27.5	29.3	34.8	42.1	42.1	45.8	40.3	76.9	441.3	252.7
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)