

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209347

Luminaire Tested: UPW-SA2-110-750-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-750-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14828 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 113
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: 28.75 FT



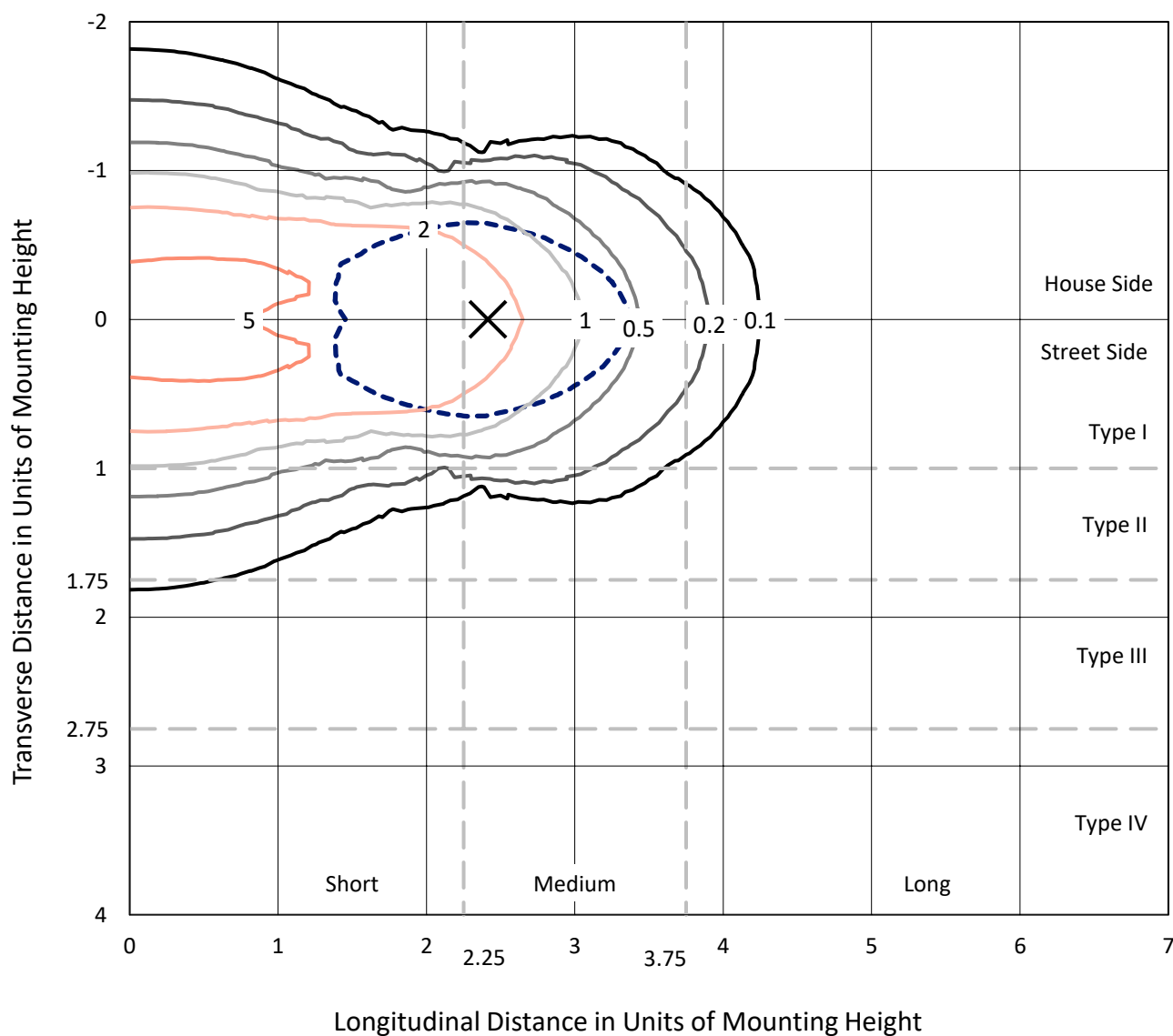
REPORT NUMBER: P1209347

CATALOG NUMBER: UPW-SA2-110-750-U-T1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



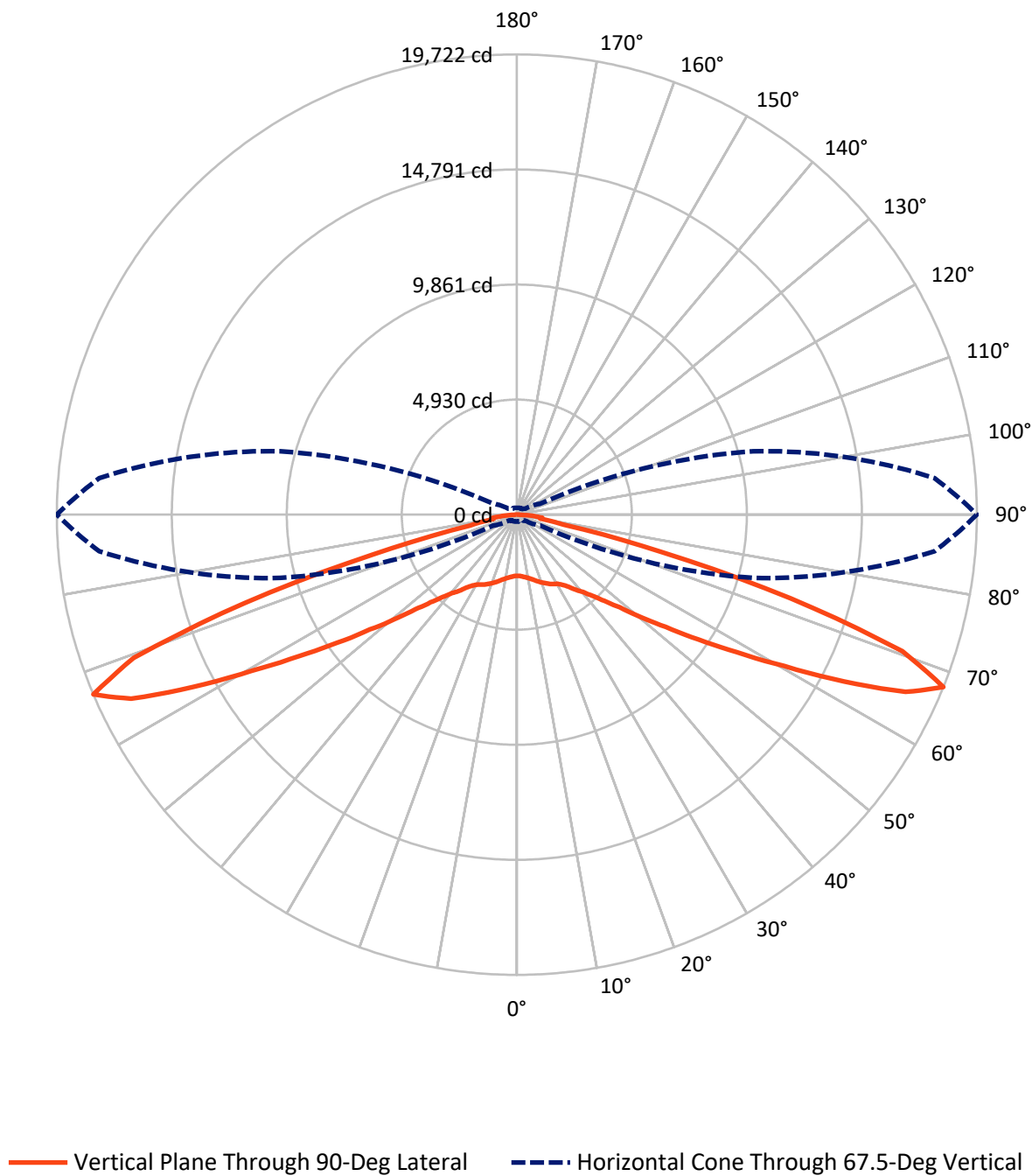
Based on 20 foot mounting height. Maximum calculated value = 6.9 fc

Type I - Short - N/A

REPORT NUMBER: P1209347

CATALOG NUMBER: UPW-SA2-110-750-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1209347

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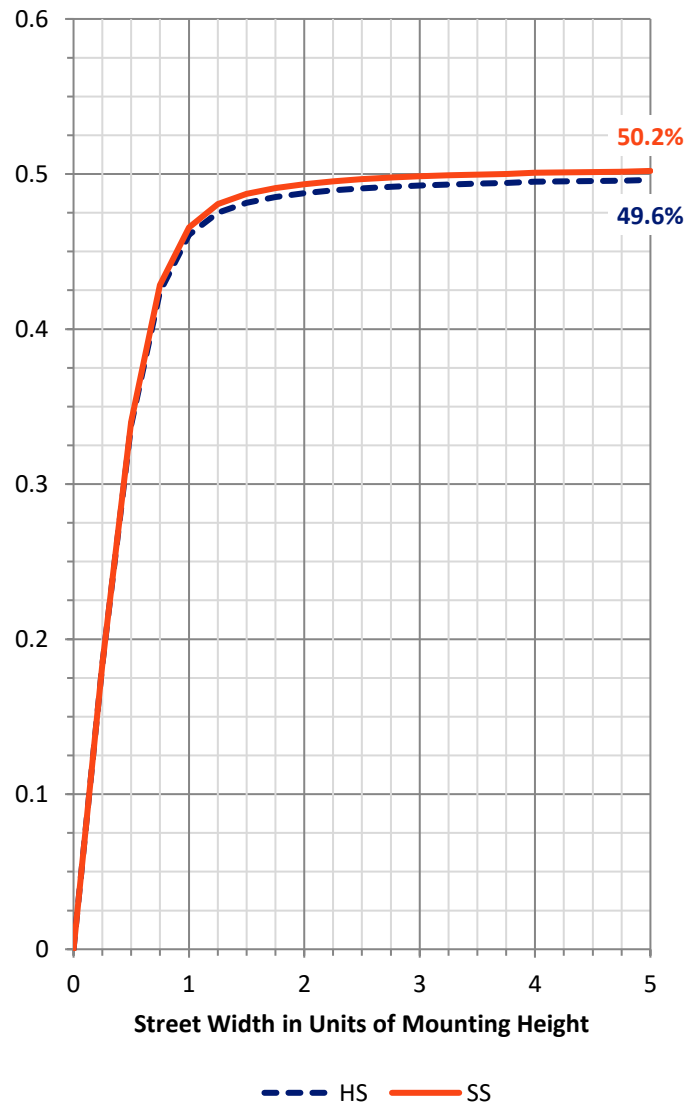
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7414.0	0.0	7414.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7414.0	0.0	7414.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14828.0	0.0	14828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.7	1.8
10°-20°	837.3	5.6
20°-30°	1401.5	9.5
30°-40°	1898.7	12.8
40°-50°	2405.0	16.2
50°-60°	3004.4	20.3
60°-70°	3531.5	23.8
70°-80°	1351.0	9.1
80°-90°	136.9	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°	14828.0	100.0
0°-180°	14828.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209347

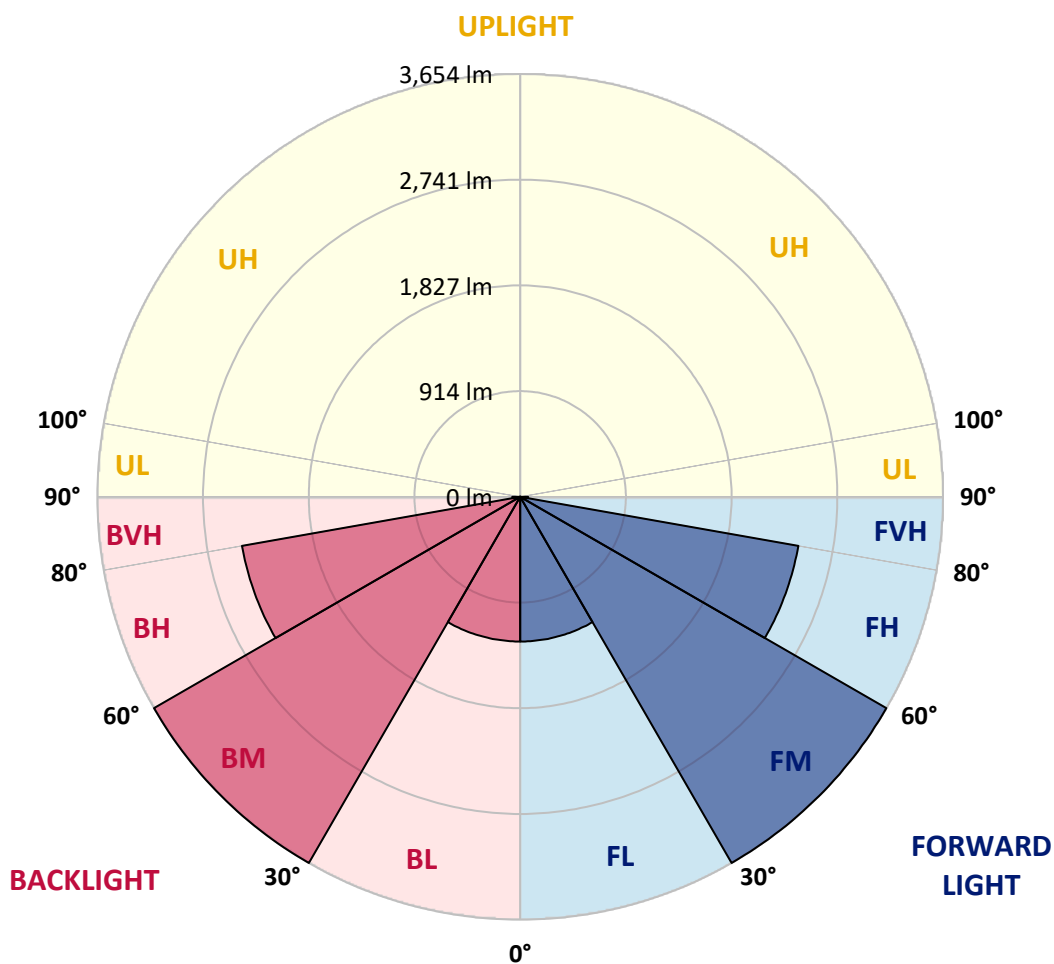
CATALOG NUMBER: UPW-SA2-110-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1250.3	8.4			
FM	(30°-60°)	3654.0	24.6			
FH	(60°-80°)	2441.3	16.5			G2/5000
FVH	(80°-90°)	68.4	0.5			G1/100
BL	(0°-30°)	1250.3	8.4	B3/2500		
BM	(30°-60°)	3654.0	24.6	B3/5000		
BH	(60°-80°)	2441.3	16.5	B3/2500		G3/2500
BVH	(80°-90°)	68.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



REPORT NUMBER: P1209347

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2625.0	2625.0	2625.0	2625.0	2625.0	2625.0	2625.0	2625.0	2625.0	2625.0	2625.0
2.5°	2658.7	2657.0	2657.9	2657.0	2659.5	2657.9	2648.0	2639.8	2633.2	2634.0	2631.6
5°	2715.3	2716.2	2717.0	2712.9	2718.6	2715.3	2699.7	2686.6	2673.5	2668.5	2666.9
7.5°	2762.1	2766.2	2768.7	2772.8	2782.7	2782.7	2774.5	2755.6	2726.8	2710.4	2709.6
10°	2808.9	2812.2	2819.6	2832.8	2849.2	2864.8	2861.5	2836.0	2799.1	2771.2	2764.6
12.5°	2825.4	2829.5	2854.1	2891.9	2928.8	2959.2	2959.2	2938.7	2891.1	2848.4	2836.0
15°	2767.9	2775.3	2819.6	2900.1	2997.0	3063.5	3078.3	3049.5	2998.6	2932.9	2918.1
17.5°	2653.8	2671.8	2736.7	2855.7	3016.7	3154.6	3197.3	3183.4	3117.7	3033.9	3016.7
20°	2531.4	2551.1	2620.1	2777.7	3000.3	3208.0	3332.0	3335.3	3254.0	3132.4	3107.0
22.5°	2396.8	2411.5	2500.2	2685.0	2951.0	3220.3	3447.7	3504.4	3394.4	3231.0	3194.9
25°	2245.7	2262.1	2354.9	2554.4	2858.2	3206.3	3553.7	3678.5	3541.4	3336.1	3290.1
27.5°	2101.2	2107.7	2207.1	2409.9	2735.9	3170.2	3631.7	3838.6	3703.9	3423.1	3364.8
30°	1962.4	1978.0	2065.9	2266.2	2595.5	3099.6	3699.0	4020.9	3878.8	3514.3	3439.5
32.5°	1815.4	1834.3	1929.6	2132.4	2455.1	2993.7	3740.1	4220.4	4122.7	3662.1	3582.4
35°	1674.2	1686.5	1782.6	1979.6	2317.9	2870.5	3747.4	4445.4	4437.2	3886.2	3780.3
37.5°	1529.7	1547.8	1644.6	1833.5	2172.6	2740.0	3710.5	4684.3	4816.5	4197.4	4083.3
40°	1390.9	1406.5	1501.8	1692.3	2007.6	2580.7	3622.6	4902.7	5259.1	4517.6	4355.9
42.5°	1239.8	1243.9	1348.2	1542.0	1845.8	2395.9	3496.2	5097.3	5752.5	4947.1	4745.9
45°	1068.2	1078.9	1175.8	1366.3	1660.2	2189.0	3324.6	5258.2	6378.2	5542.3	5268.1
47.5°	896.6	905.7	994.3	1182.4	1457.4	1951.7	3060.2	5399.5	7020.3	6298.6	5938.9
50°	729.1	734.1	806.3	973.0	1229.2	1702.1	2732.6	5444.6	7746.1	7369.3	6910.3
52.5°	576.4	583.8	638.8	769.4	985.3	1407.3	2378.7	5333.0	8593.5	8638.7	7991.6
55°	467.2	469.7	510.7	606.8	770.2	1098.6	1951.7	5021.8	9504.9	10265.2	9440.0
57.5°	402.3	404.0	427.0	480.3	592.8	828.5	1514.1	4433.1	10323.5	12171.0	11110.1
60°	365.4	366.2	379.3	410.5	469.7	635.5	1084.7	3602.1	11131.5	14291.9	13185.8
62.5°	342.4	342.4	351.4	368.7	397.4	487.7	785.8	2598.7	11684.9	16443.9	15744.4
65°	320.2	320.2	326.8	339.1	354.7	399.0	580.5	1694.7	11670.9	18011.4	18317.6
67.5°	294.8	294.8	299.7	312.0	321.0	343.2	448.3	1110.1	10483.6	17976.9	19721.7
70°	264.4	264.4	271.0	281.6	289.0	303.0	353.9	759.5	7701.8	15349.4	17539.3
72.5°	234.0	234.8	238.9	249.6	255.4	263.6	293.9	532.1	4724.5	10451.6	12263.8
75°	200.3	202.0	206.1	216.8	221.7	225.0	248.0	379.3	2390.2	5635.1	6416.0
77.5°	161.8	165.0	167.5	179.0	182.3	187.2	204.5	274.2	1049.4	2024.8	2042.9
80°	118.2	122.3	129.7	140.4	142.9	146.2	156.0	194.6	475.4	924.5	1004.2
82.5°	87.0	92.8	83.8	97.7	97.7	93.6	110.0	130.6	218.4	915.5	1095.3
85°	47.6	48.4	43.5	50.1	53.4	52.5	58.3	64.0	105.9	610.9	629.8
87.5°	11.5	12.3	13.1	15.6	18.9	18.9	20.5	18.1	34.5	197.9	113.3
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)