

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630057

Luminaire Tested: GWS-SA1C-830-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.2 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

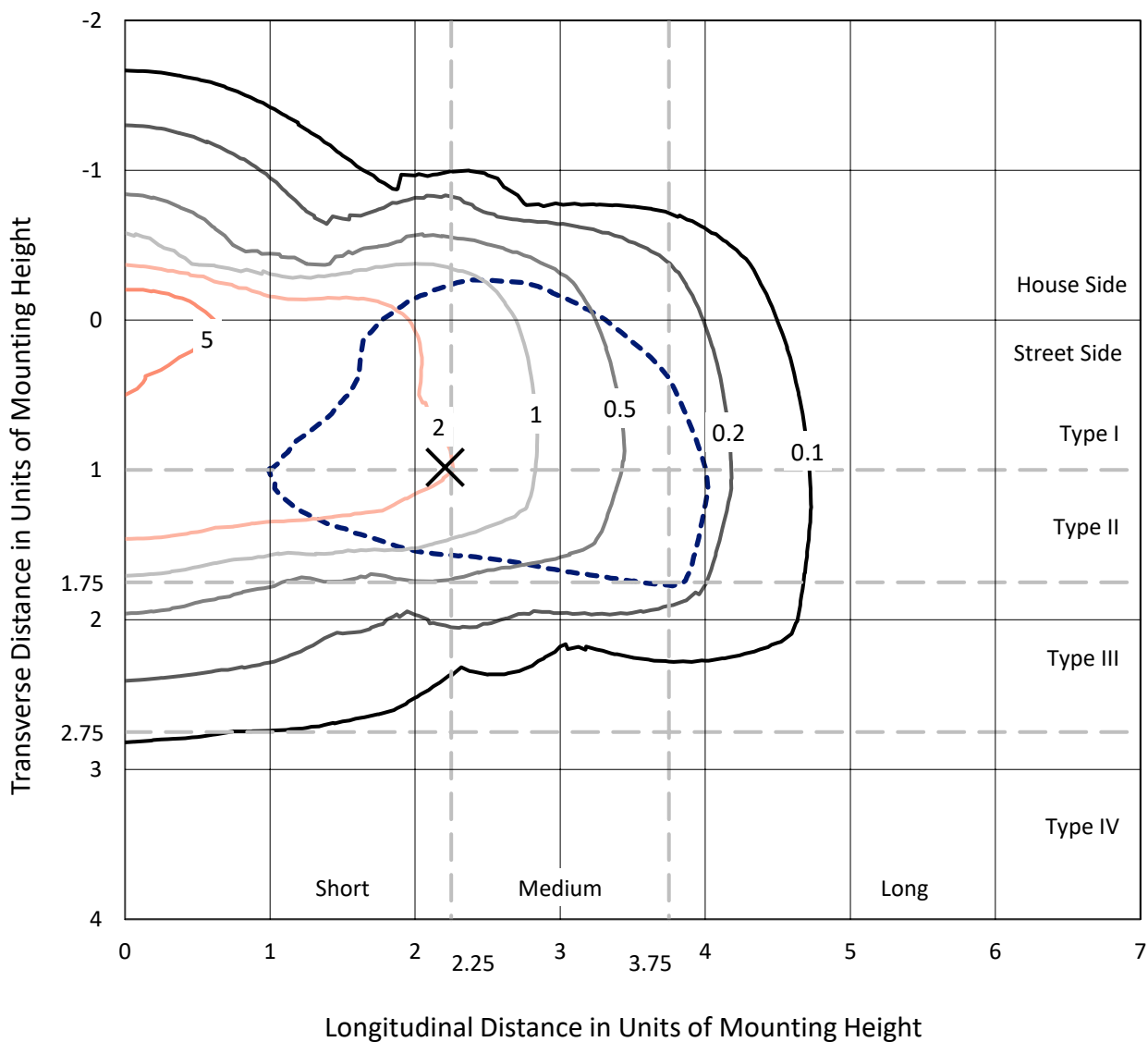
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

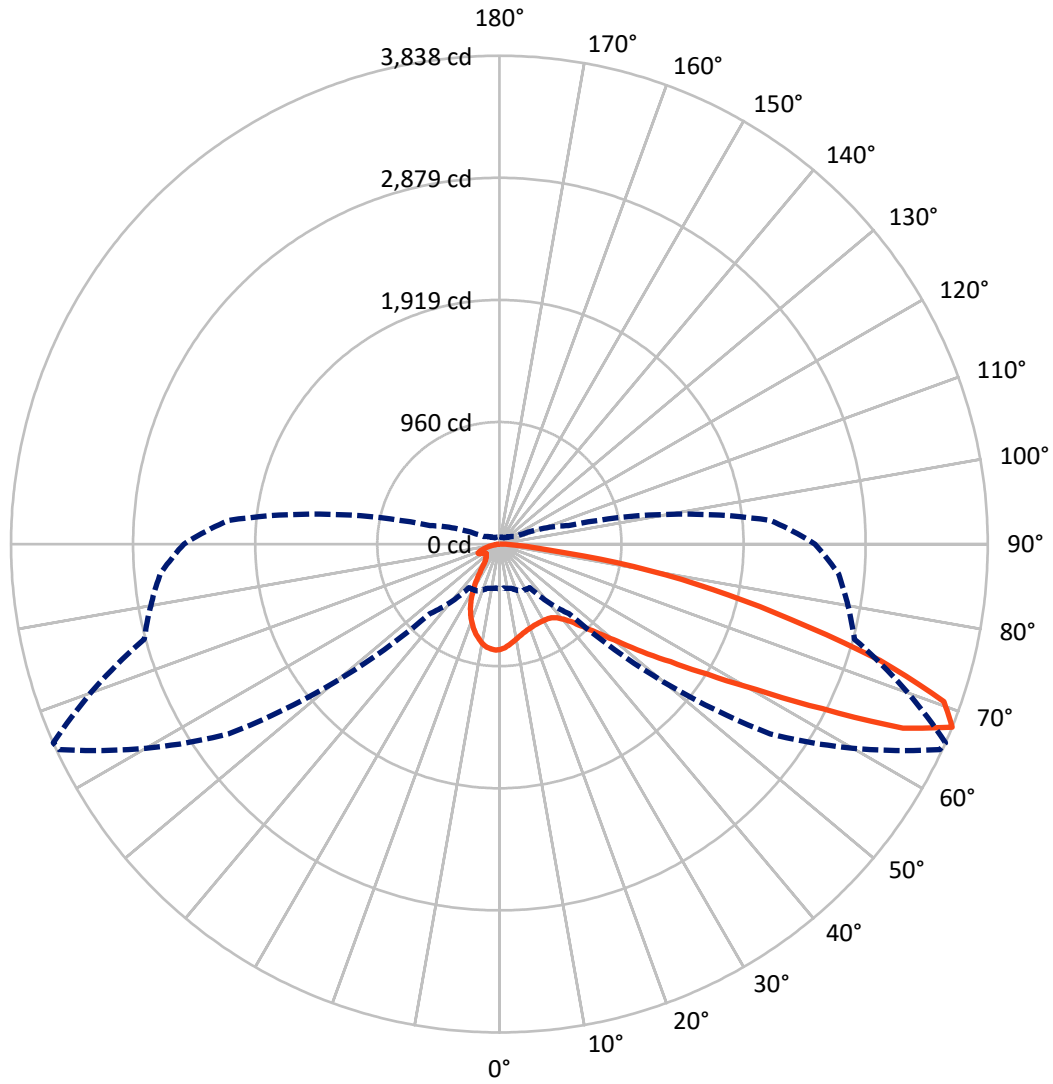
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	761.4	0.0	761.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2990.8	0.0	2990.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	3752.2	0.0	3752.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	1.9
10°-20°	178.8	4.8
20°-30°	245.8	6.6
30°-40°	336.1	9.0
40°-50°	509.2	13.6
50°-60°	791.6	21.1
60°-70°	963.8	25.7
70°-80°	587.1	15.6
80°-90°	67.1	1.8
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°	3752.2	100.0
0°-180°	3752.2	100.0

Coefficient of Utilization



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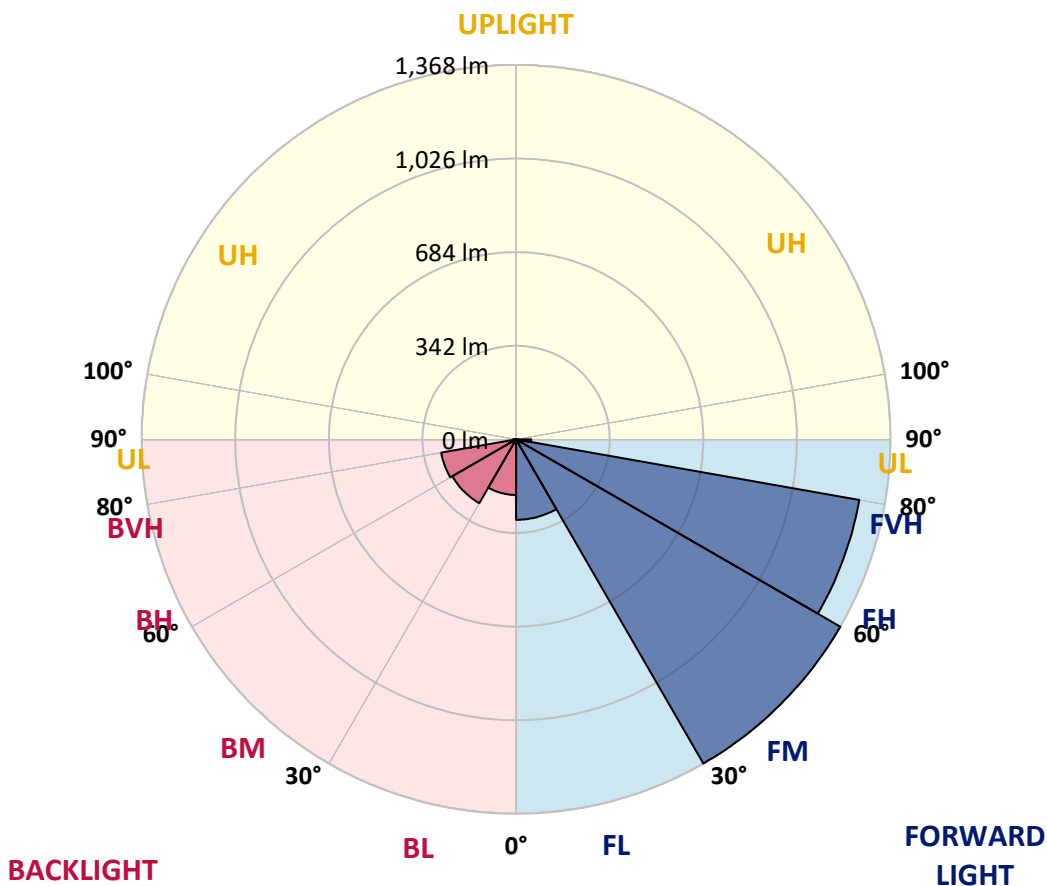
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.0	7.8			
FM (30°-60°)	1367.8	36.5			
FH (60°-80°)	1273.2	33.9			G1/1800
FVH (80°-90°)	55.8	1.5			G1/100
BL (0°-30°)	203.4	5.4	B1/500		
BM (30°-60°)	269.1	7.2	B1/1000		
BH (60°-80°)	277.6	7.4	B1/500		G1/500
BVH (80°-90°)	11.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	776.6	779.3	777.7	788.1	788.6	801.8	809.1	815.4	816.0	824.2	829.7
5°	723.5	725.1	725.1	735.0	741.5	759.1	776.0	794.1	795.5	815.2	830.2
7.5°	680.5	682.1	681.0	694.2	702.7	722.1	743.7	771.4	774.1	805.9	832.1
10°	646.8	646.3	649.0	661.1	672.0	695.3	719.4	750.8	754.9	795.2	834.3
12.5°	623.8	624.4	626.0	638.6	650.4	673.4	698.3	732.5	736.9	782.9	833.2
15°	612.9	611.8	613.2	624.7	635.9	656.1	681.9	717.2	721.6	771.9	833.5
17.5°	610.4	609.6	609.3	617.5	626.0	644.9	669.5	705.4	710.1	764.8	835.2
20°	618.1	617.0	614.0	617.5	621.1	637.0	660.8	696.9	702.1	760.1	838.4
22.5°	639.2	637.2	632.6	628.2	623.6	633.1	655.3	690.6	695.8	757.1	841.7
25°	671.2	669.5	664.6	654.8	637.8	636.1	654.2	687.9	693.1	754.9	843.1
27.5°	715.3	712.8	707.9	693.6	666.0	647.4	658.3	687.6	692.5	752.5	841.7
30°	767.5	765.9	763.2	745.9	709.0	671.2	667.6	689.8	693.6	751.1	839.0
32.5°	820.6	819.0	821.2	813.0	767.5	710.6	687.9	695.8	698.6	750.8	836.5
35°	867.5	869.4	885.2	886.6	842.0	764.0	719.9	709.8	710.3	756.3	837.6
37.5°	916.4	923.8	944.6	962.4	925.2	834.6	767.5	736.1	735.5	770.3	844.5
40°	981.3	984.6	1011.2	1044.6	1021.3	931.5	835.2	779.0	775.2	798.7	862.8
42.5°	1044.6	1052.5	1094.9	1133.2	1125.6	1040.7	920.3	843.4	836.5	849.1	900.6
45°	1125.0	1132.7	1180.3	1229.6	1243.6	1164.2	1029.2	934.8	927.9	924.9	969.8
47.5°	1205.5	1213.4	1256.1	1327.3	1376.3	1318.6	1171.0	1055.5	1044.3	1032.5	1074.4
50°	1259.7	1269.0	1309.8	1395.2	1510.2	1511.3	1339.1	1213.7	1199.5	1180.9	1221.7
52.5°	1257.8	1263.8	1302.7	1401.2	1606.5	1732.7	1564.1	1415.2	1403.7	1363.2	1398.8
55°	1159.0	1168.0	1207.2	1330.3	1616.9	1942.7	1894.8	1652.8	1632.3	1559.7	1598.9
57.5°	960.5	968.2	1007.6	1159.5	1524.7	2050.2	2314.7	1955.5	1927.3	1773.8	1818.9
60°	725.1	715.8	734.4	867.5	1304.1	2053.0	2685.3	2366.1	2319.0	2002.6	2040.4
62.5°	544.2	534.9	539.0	576.5	884.1	1887.1	2896.6	2927.8	2850.1	2261.0	2253.6
65°	430.0	424.8	436.6	462.3	515.4	1437.1	2898.3	3535.2	3486.2	2560.5	2472.3
67.5°	350.4	347.1	359.1	406.8	418.0	772.2	2598.8	3818.8	3838.0	2888.4	2675.2
70°	282.2	277.3	296.2	358.9	388.7	467.3	1861.6	3674.3	3705.2	3083.8	2618.0
72.5°	194.9	195.2	204.8	290.7	375.3	403.5	1053.0	3059.5	3126.5	2906.7	2301.5
75°	131.4	132.5	135.2	191.9	345.7	391.4	561.1	2316.3	2363.7	2402.5	1902.4
77.5°	79.4	79.9	86.2	116.1	238.4	365.4	380.2	1679.1	1716.3	1583.8	1179.2
80°	46.0	47.9	53.7	77.7	161.0	274.6	294.3	1029.5	1071.7	704.0	374.7
82.5°	20.3	21.6	29.3	45.2	93.9	233.5	229.7	406.8	400.7	196.3	130.0
85°	3.6	4.4	6.3	14.2	34.5	123.2	178.2	179.6	168.9	74.5	53.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	26.8	48.2	47.9	21.1	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	833.2	825.8	832.4	833.2	831.9	830.8	822.6	815.4	814.6	807.0	807.0
5°	836.2	829.4	832.7	826.4	816.5	806.4	788.9	776.8	771.4	761.5	761.5
7.5°	840.4	833.2	829.4	813.8	790.8	768.6	740.4	716.9	707.3	693.4	692.8
10°	844.2	835.2	822.0	791.6	754.9	719.6	678.6	645.2	622.5	605.8	605.8
12.5°	843.9	832.1	806.1	761.2	710.6	659.4	604.7	554.3	524.2	498.2	496.5
15°	843.4	827.2	785.9	725.9	658.9	588.0	513.5	447.8	403.2	377.7	375.6
17.5°	842.8	820.9	763.2	685.7	595.9	499.3	401.0	329.8	292.6	277.0	277.6
20°	842.8	813.8	738.8	639.4	523.4	393.1	294.3	242.5	233.2	234.0	234.9
22.5°	840.4	805.0	711.7	589.1	442.6	289.1	217.1	199.5	204.5	212.1	213.2
25°	834.6	790.5	680.2	533.2	346.5	210.5	177.1	173.8	182.9	192.4	195.2
27.5°	825.6	773.8	644.9	467.8	255.1	169.2	155.8	155.5	162.6	169.7	172.2
30°	816.0	755.2	607.7	395.0	184.8	147.3	142.1	142.1	145.6	150.0	149.5
32.5°	804.8	736.3	567.7	319.2	150.6	134.9	133.3	132.5	133.0	134.7	134.7
35°	795.2	719.6	526.7	239.0	134.9	128.1	126.5	124.5	123.7	122.6	123.2
37.5°	791.6	706.5	484.2	180.1	127.3	123.2	120.4	117.7	115.8	115.2	115.0
40°	797.4	701.0	441.8	148.4	121.8	118.0	115.0	111.4	109.8	109.8	109.8
42.5°	819.8	705.1	398.6	134.1	118.0	113.6	109.2	105.9	105.4	105.9	106.2
45°	860.9	721.0	353.7	127.0	114.7	109.2	104.0	101.6	101.6	102.1	102.1
47.5°	934.2	762.6	309.3	122.6	111.4	105.7	100.2	97.7	97.4	98.0	98.0
50°	1061.3	837.6	269.4	119.6	108.9	102.9	97.4	94.2	93.3	93.1	93.1
52.5°	1221.4	967.6	243.9	117.4	105.9	99.9	94.4	90.1	88.4	87.6	87.6
55°	1414.9	1140.9	243.9	115.8	102.1	96.4	90.1	85.7	83.2	82.1	82.1
57.5°	1634.2	1342.6	286.0	114.4	99.1	92.2	85.4	81.0	78.3	76.6	76.6
60°	1857.3	1555.9	390.3	112.5	96.4	87.0	80.2	76.1	72.5	70.6	70.3
62.5°	2088.6	1790.7	527.8	113.6	94.4	82.1	74.7	70.1	67.1	65.1	64.9
65°	2300.4	2014.4	647.9	122.1	94.7	77.7	68.4	64.3	61.9	59.4	59.1
67.5°	2480.3	2137.8	563.6	139.3	100.5	72.5	62.1	58.0	55.8	54.2	53.9
70°	2354.4	1949.5	319.7	150.0	108.4	67.1	55.0	52.3	50.1	49.0	48.7
72.5°	2013.3	1650.6	213.8	132.5	98.8	59.9	48.5	46.3	44.6	43.2	43.0
75°	1630.9	1309.0	163.4	108.7	76.9	48.7	41.6	40.0	38.3	37.0	36.7
77.5°	964.9	756.3	120.4	86.0	54.2	38.0	34.5	33.1	31.5	30.4	30.1
80°	307.9	262.8	76.4	59.1	35.9	29.3	26.6	25.5	23.8	22.4	22.2
82.5°	117.4	101.6	40.5	30.1	23.8	20.0	17.8	16.7	15.6	14.2	14.0
85°	52.0	48.7	22.4	16.2	12.9	9.9	8.8	8.2	6.8	5.7	5.5
87.5°	18.3	18.3	9.6	4.7	2.7	1.4	0.8	0.3	0.0	0.0	0.0
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)