

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: P628902

Luminaire Tested: GWS-SA1A-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628902  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

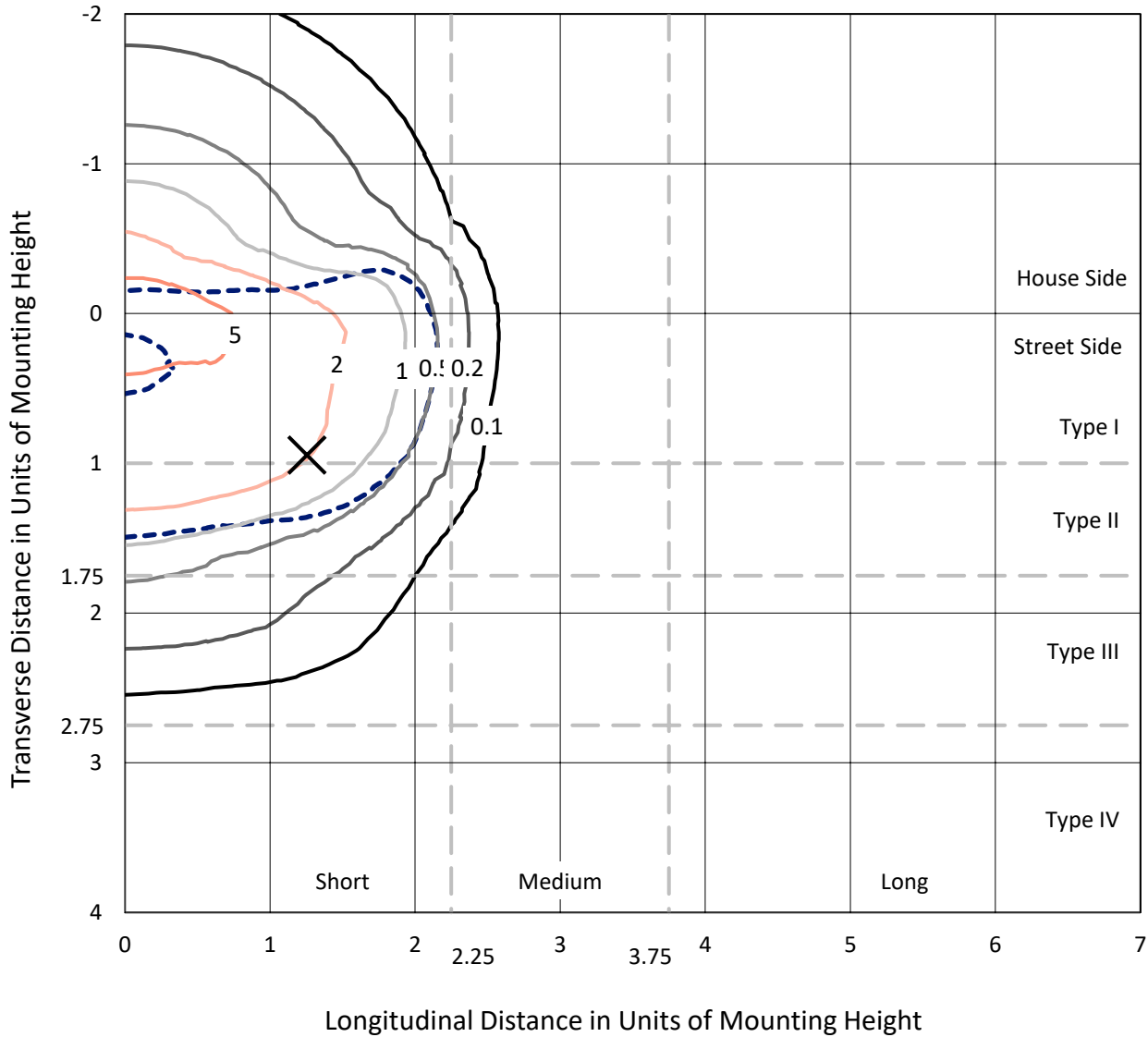
Lumens per Lamp: N/A  
Luminaire Lumens: 2477.6 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

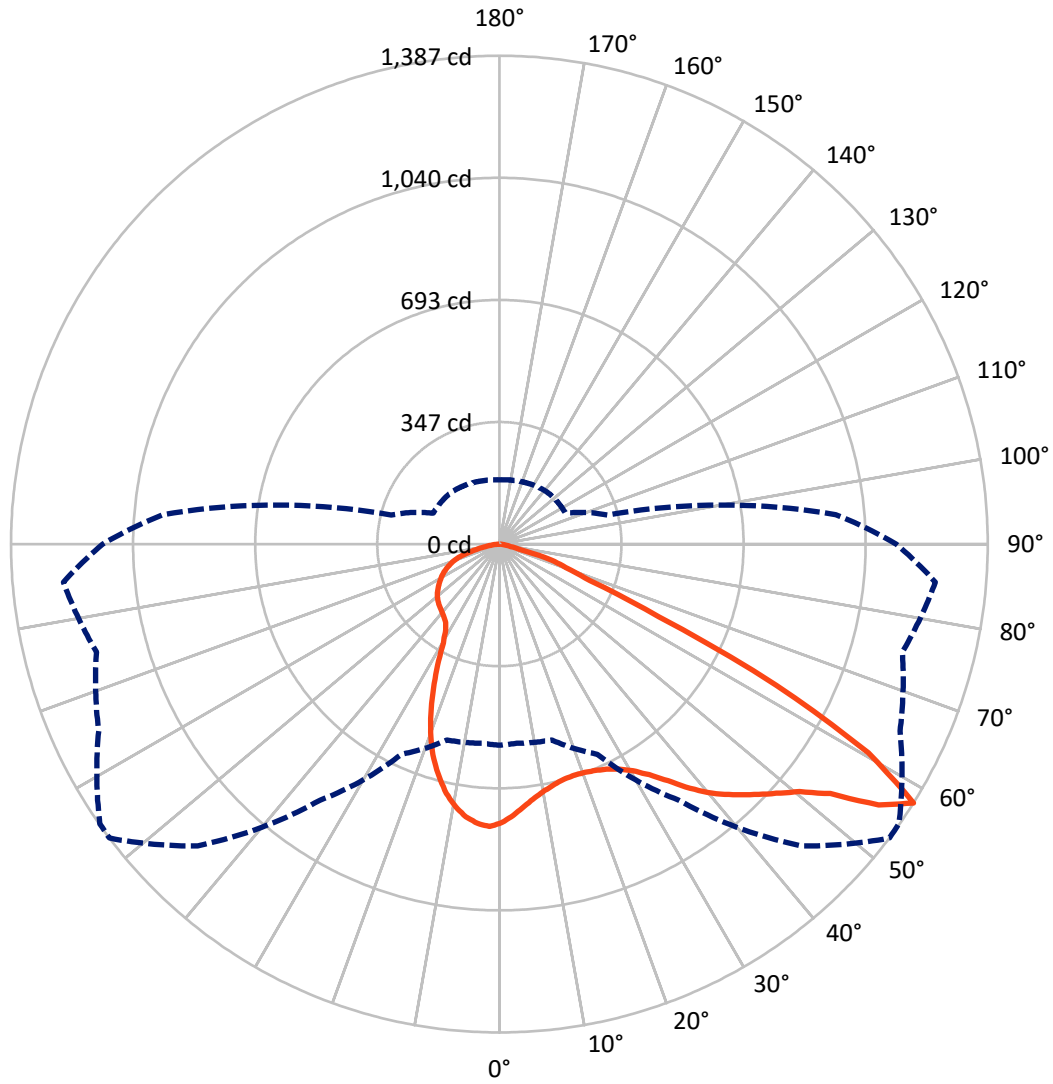
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	774.6	0.0	774.6
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	1703.0	0.0	1703.0
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	2477.6	0.0	2477.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.5	2.9
10°-20°	187.7	7.6
20°-30°	276.6	11.2
30°-40°	387.1	15.6
40°-50°	508.9	20.5
50°-60°	596.6	24.1
60°-70°	351.5	14.2
70°-80°	87.4	3.5
80°-90°	10.3	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°	2477.6	100.0
0°-180°	2477.6	100.0

**Coefficient of Utilization**



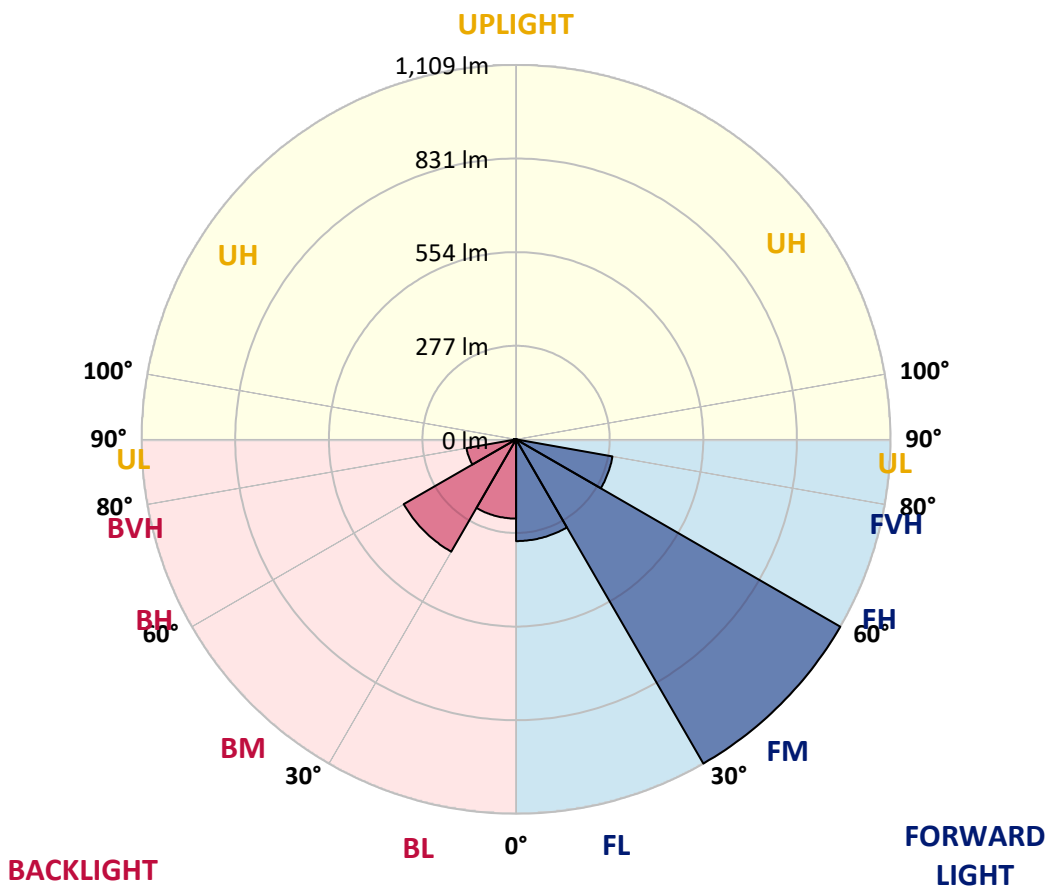
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.2	12.2			
FM (30°-60°)	1108.5	44.7			
FH (60°-80°)	289.8	11.7			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	234.6	9.5	B1/500		
BM (30°-60°)	384.1	15.5	B1/1000		
BH (60°-80°)	149.1	6.0	B1/500		G1/500
BVH (80°-90°)	6.8	0.3			G0/10
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°	53°	55°	65°	75°	85°
0°	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2
2.5°	745.7	747.8	748.2	754.7	755.1	764.5	770.7	769.5	775.9	783.9	790.1
5°	710.0	710.3	712.3	720.1	724.2	736.5	747.0	747.0	759.5	775.7	789.7
7.5°	680.6	680.4	682.3	690.9	697.7	712.5	726.7	728.4	745.9	769.7	792.4
10°	653.3	654.8	656.9	667.3	676.1	694.4	711.3	714.0	736.1	765.5	796.2
12.5°	635.8	636.0	639.1	650.8	662.1	681.7	699.4	702.7	728.2	761.6	798.9
15°	624.5	624.8	628.1	641.0	654.2	674.0	692.1	695.9	723.6	760.9	804.1
17.5°	619.5	619.3	622.5	635.4	649.8	670.4	689.8	694.4	725.7	765.7	813.3
20°	619.5	619.8	621.4	633.1	647.7	669.6	692.1	697.7	733.8	776.6	827.4
22.5°	628.3	629.1	630.0	637.9	649.4	670.8	698.2	705.7	751.3	794.7	846.0
25°	645.4	645.6	646.4	652.9	658.1	674.4	708.2	719.4	778.7	821.2	869.4
27.5°	668.3	671.3	672.1	676.3	676.3	683.1	723.8	740.1	815.6	859.4	899.2
30°	700.5	701.5	703.0	707.5	702.5	699.6	746.7	767.6	858.3	905.4	935.1
32.5°	728.6	730.9	738.8	746.3	737.4	728.2	780.5	805.1	899.4	953.4	973.2
35°	752.6	758.2	773.4	790.1	783.9	774.7	825.4	851.0	933.2	987.8	1007.0
37.5°	781.6	786.0	806.8	833.9	839.5	835.2	880.0	898.3	955.7	996.6	1025.3
40°	811.0	817.6	844.5	882.1	903.6	906.7	930.5	942.8	963.4	979.5	1021.8
42.5°	841.0	852.5	889.4	933.2	971.3	978.4	973.0	978.2	960.9	955.9	1005.3
45°	877.7	891.3	933.0	988.9	1039.1	1050.2	1014.7	1009.9	960.5	946.9	995.1
47.5°	921.1	934.6	974.5	1039.5	1103.8	1111.9	1057.5	1048.7	975.1	960.7	1008.9
50°	959.4	968.8	1004.5	1077.3	1164.0	1168.8	1104.6	1094.0	1011.4	998.9	1051.8
52.5°	920.5	919.4	956.9	1046.6	1195.3	1253.1	1177.2	1166.9	1081.4	1062.3	1118.3
55°	780.9	769.1	802.6	890.8	1107.9	1327.9	1307.3	1286.8	1174.9	1126.1	1180.7
57.5°	571.0	567.6	575.8	658.5	887.5	1212.0	1386.9	1385.1	1255.6	1184.5	1242.8
60°	446.5	441.5	419.8	422.1	604.9	946.7	1203.6	1258.9	1305.6	1219.5	1286.2
62.5°	396.4	392.7	381.4	350.3	360.3	634.8	882.3	933.0	1140.9	1077.1	1104.8
65°	328.2	327.2	336.6	335.3	302.0	350.5	498.0	549.1	717.3	726.3	717.3
67.5°	238.6	236.7	260.5	307.4	290.7	264.6	277.6	295.3	367.8	330.3	297.4
70°	155.1	152.4	166.2	222.1	260.2	230.6	200.0	197.1	202.3	125.7	136.0
72.5°	104.1	100.9	100.7	122.2	157.2	155.4	154.9	153.5	137.0	99.3	110.1
75°	58.0	55.5	54.8	52.8	56.3	57.3	61.1	63.2	68.4	75.3	83.4
77.5°	9.8	9.6	12.1	15.4	21.3	27.3	33.8	35.7	44.0	52.1	57.3
80°	5.4	5.6	7.3	9.0	11.9	16.3	20.9	22.1	27.1	31.5	35.7
82.5°	2.9	2.9	3.8	4.8	6.5	8.5	11.3	12.3	15.6	18.4	21.3
85°	1.0	1.0	1.5	1.9	2.7	3.5	4.4	5.0	6.9	9.4	10.6
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.9	2.7
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°	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2	791.2
2.5°	795.3	789.7	797.4	801.0	802.2	803.1	797.6	793.9	792.6	788.7	786.4
5°	798.3	794.5	801.8	801.8	796.6	791.2	780.1	772.4	767.0	760.5	759.5
7.5°	803.3	800.5	804.5	796.4	783.2	768.6	749.5	734.4	722.3	714.4	714.6
10°	809.9	806.6	803.5	785.3	761.3	734.4	705.0	683.1	663.1	654.0	648.9
12.5°	814.3	809.5	796.4	766.3	731.1	695.0	653.5	621.0	592.0	578.9	577.8
15°	819.7	811.0	784.7	741.7	692.7	643.5	590.1	544.9	505.7	485.3	484.2
17.5°	826.8	812.4	770.7	713.6	652.3	579.7	512.6	455.6	413.9	398.1	400.8
20°	836.8	814.1	754.9	682.3	602.0	507.1	423.5	371.2	355.1	354.1	352.0
22.5°	848.1	815.1	737.4	647.3	541.1	429.8	349.9	327.6	327.4	332.6	333.9
25°	860.8	816.0	717.6	606.4	475.2	352.6	309.5	302.8	308.0	317.8	319.1
27.5°	877.1	817.6	693.6	561.6	405.2	304.7	287.1	285.5	291.7	300.9	300.5
30°	901.1	823.7	668.1	510.1	333.2	281.9	273.6	273.8	276.3	280.7	281.3
32.5°	925.5	833.1	643.3	452.1	291.9	269.0	265.3	264.8	264.8	266.7	267.1
35°	948.6	843.7	616.4	391.6	271.9	261.5	259.0	257.7	257.1	256.7	256.1
37.5°	961.5	848.9	590.1	332.0	261.3	256.5	254.0	252.3	250.0	248.4	247.9
40°	955.9	842.9	559.7	287.4	254.8	251.7	248.8	246.5	243.4	241.9	241.1
42.5°	937.1	824.1	526.5	266.3	249.6	246.5	242.9	239.2	237.1	235.8	235.6
45°	917.3	801.4	486.5	254.0	244.6	240.9	236.7	232.5	230.2	229.6	229.4
47.5°	916.7	790.1	444.0	244.2	238.6	234.8	229.6	225.4	222.9	222.1	221.3
50°	944.2	801.6	396.0	235.6	232.3	228.3	222.5	217.9	214.8	213.7	213.5
52.5°	1001.4	844.8	353.0	227.1	224.0	219.4	214.6	210.0	206.2	204.4	204.2
55°	1063.1	899.6	326.4	218.3	214.2	210.2	205.8	200.8	196.6	193.7	193.3
57.5°	1126.9	959.4	318.2	207.3	204.2	201.4	196.2	190.8	186.0	183.3	182.7
60°	1179.4	1011.0	333.4	195.6	193.9	190.4	185.6	180.4	177.0	175.0	174.5
62.5°	987.4	823.1	269.2	182.9	182.9	179.1	173.7	170.0	167.7	166.2	165.8
65°	626.6	509.6	183.7	170.2	170.0	164.9	160.4	157.9	156.8	154.5	154.1
67.5°	273.0	232.9	157.0	157.2	156.4	151.0	146.4	144.5	142.4	139.9	139.7
70°	141.6	144.3	140.5	142.8	141.4	134.9	130.5	127.6	123.2	120.7	120.9
72.5°	114.3	117.2	121.4	124.9	121.8	116.6	109.7	106.1	100.5	97.8	98.0
75°	87.2	90.3	94.3	98.0	95.5	89.0	84.7	81.1	74.7	71.5	72.2
77.5°	60.1	61.7	66.5	66.3	65.5	63.6	57.1	53.0	46.3	42.5	43.0
80°	37.3	38.4	40.7	41.7	41.3	38.8	33.6	30.4	26.5	24.2	24.4
82.5°	22.5	23.1	25.2	25.4	25.2	23.4	19.4	17.1	14.6	13.3	13.3
85°	11.5	11.9	13.1	13.1	11.9	10.0	9.0	7.9	6.5	5.8	5.8
87.5°	3.1	3.1	4.0	3.3	2.7	2.5	1.3	1.0	0.4	0.2	0.2
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)