

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: P629619

Luminaire Tested: GWS-SA1C-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629619
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-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3479.2 lumens
Efficiency: N/A
Efficacy: 102.0 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

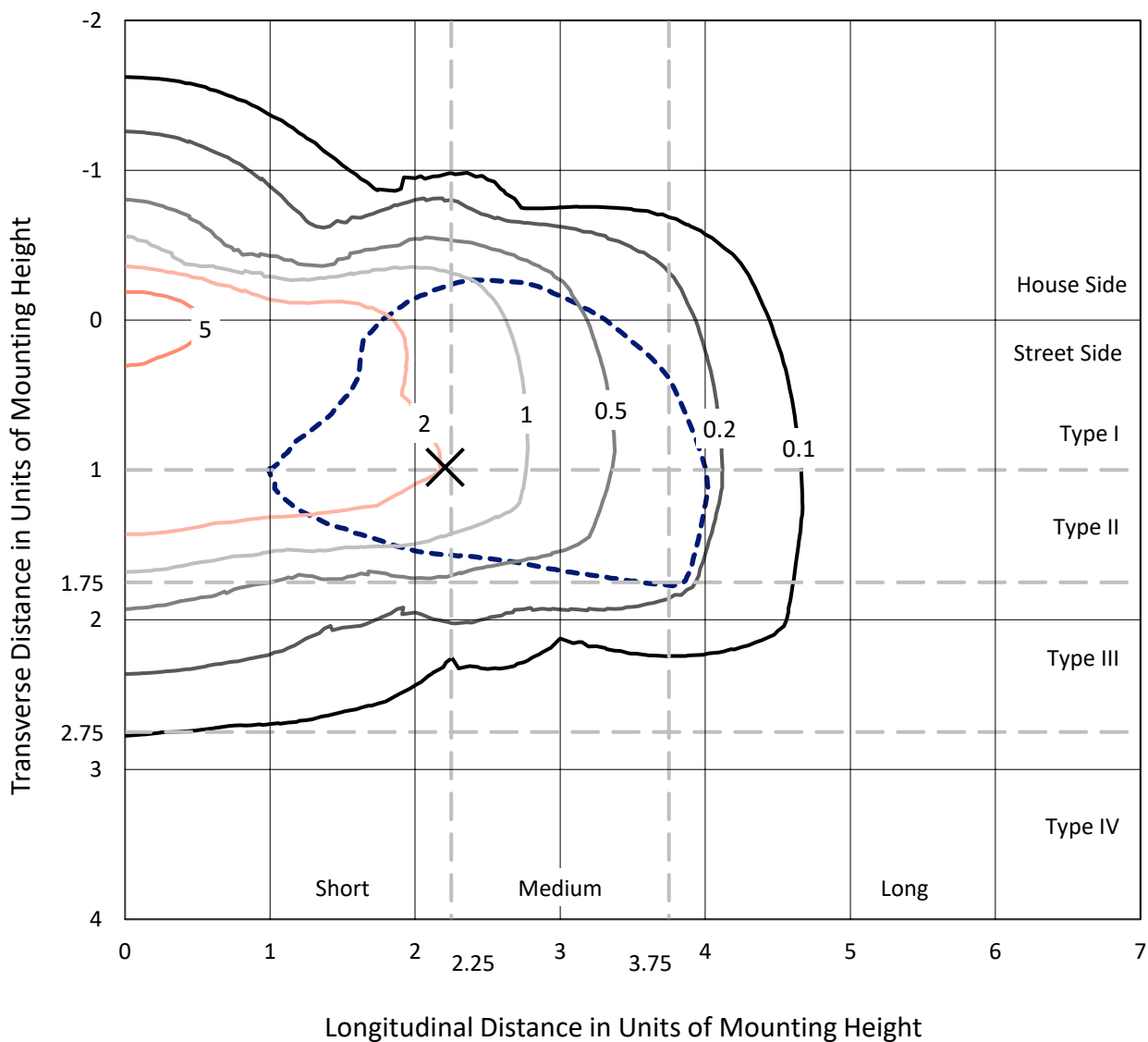
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

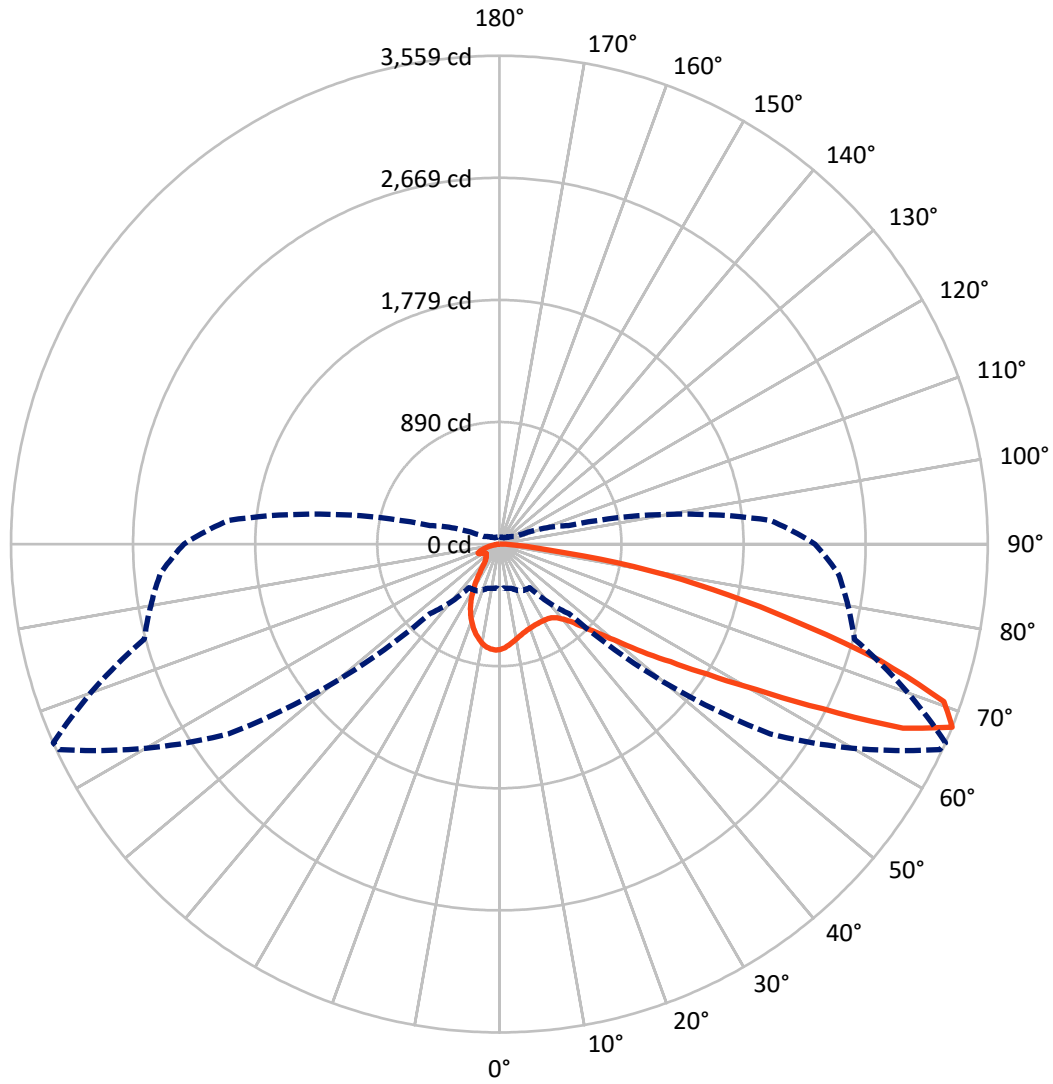
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA1C-722-U-SL2-W

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	706.0	0.0	706.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2773.2	0.0	2773.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	3479.2	0.0	3479.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	1.9
10°-20°	165.8	4.8
20°-30°	227.9	6.6
30°-40°	311.6	9.0
40°-50°	472.2	13.6
50°-60°	734.0	21.1
60°-70°	893.6	25.7
70°-80°	544.4	15.6
80°-90°	62.2	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°	3479.2	100.0
0°-180°	3479.2	100.0

Coefficient of Utilization



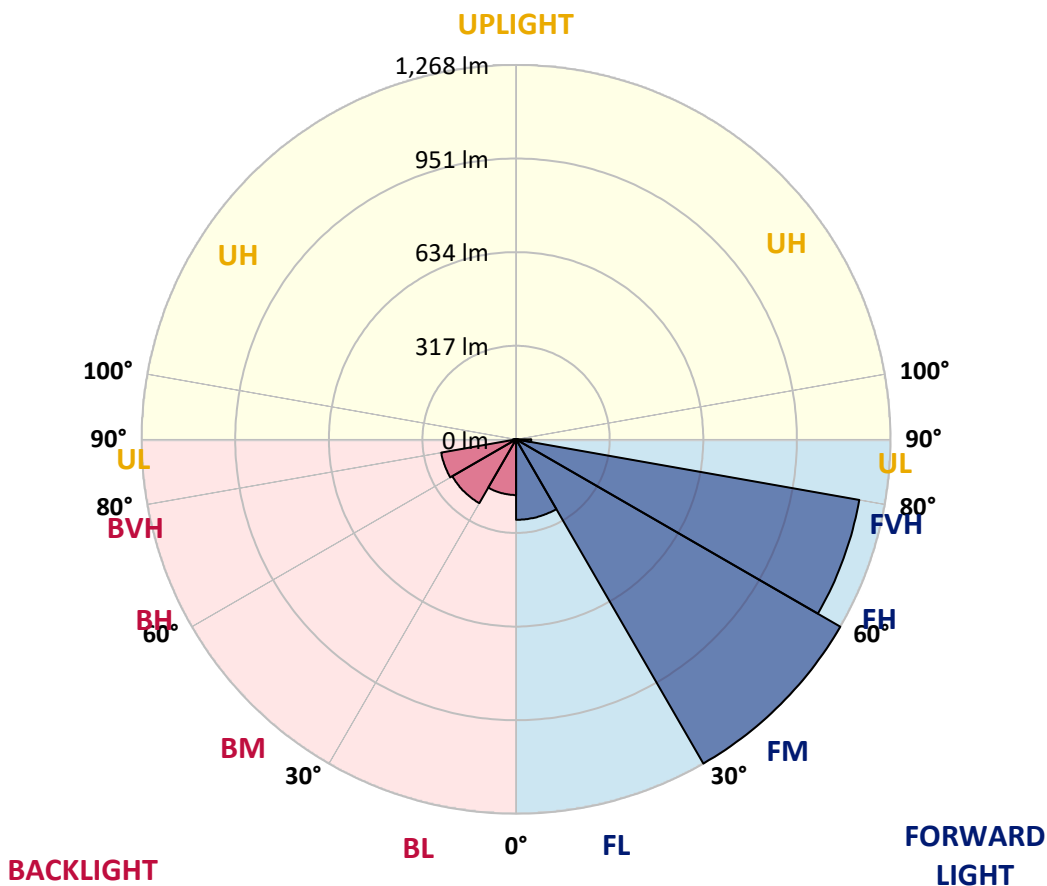
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.6	7.8			
FM (30°-60°)	1268.3	36.5			
FH (60°-80°)	1180.6	33.9			G1/1800
FVH (80°-90°)	51.7	1.5			G1/100
BL (0°-30°)	188.6	5.4	B1/500		
BM (30°-60°)	249.5	7.2	B1/1000		
BH (60°-80°)	257.4	7.4	B1/500		G1/500
BVH (80°-90°)	10.5	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





REPORT NUMBER: P629619
 CATALOG NUMBER: GWS-SA1C-722-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
2.5°	720.1	722.6	721.1	730.7	731.2	743.4	750.3	756.1	756.6	764.2	769.3
5°	670.8	672.4	672.4	681.5	687.6	703.8	719.6	736.3	737.6	755.9	769.8
7.5°	631.0	632.5	631.5	643.7	651.5	669.6	689.6	715.2	717.8	747.2	771.6
10°	599.8	599.3	601.8	613.0	623.1	644.7	667.0	696.2	700.0	737.3	773.6
12.5°	578.4	579.0	580.5	592.1	603.1	624.4	647.5	679.2	683.3	725.9	772.6
15°	568.3	567.3	568.5	579.2	589.6	608.4	632.3	665.0	669.1	715.8	772.9
17.5°	566.0	565.2	565.0	572.6	580.5	598.0	620.8	654.1	658.4	709.2	774.4
20°	573.1	572.1	569.3	572.6	575.9	590.6	612.7	646.2	651.0	704.8	777.4
22.5°	592.7	590.9	586.6	582.5	578.2	587.1	607.6	640.4	645.2	702.1	780.5
25°	622.4	620.8	616.3	607.1	591.4	589.9	606.6	637.8	642.7	700.0	781.7
27.5°	663.2	660.9	656.4	643.2	617.5	600.3	610.4	637.6	642.2	697.7	780.5
30°	711.7	710.2	707.6	691.6	657.4	622.4	619.1	639.6	643.2	696.5	777.9
32.5°	760.9	759.4	761.4	753.8	711.7	658.9	637.8	645.2	647.7	696.2	775.7
35°	804.3	806.1	820.8	822.1	780.7	708.4	667.5	658.1	658.6	701.3	776.7
37.5°	849.8	856.6	875.9	892.4	857.9	773.9	711.7	682.5	682.0	714.2	783.0
40°	909.9	913.0	937.6	968.6	947.0	863.7	774.4	722.4	718.8	740.6	800.0
42.5°	968.6	975.9	1015.3	1050.8	1043.7	965.0	853.3	782.0	775.7	787.3	835.1
45°	1043.2	1050.3	1094.4	1140.1	1153.1	1079.5	954.3	866.8	860.4	857.6	899.3
47.5°	1117.8	1125.2	1164.8	1230.7	1276.2	1222.6	1085.8	978.7	968.3	957.4	996.2
50°	1168.1	1176.7	1214.5	1293.7	1400.3	1401.3	1241.7	1125.4	1112.2	1095.0	1132.8
52.5°	1166.3	1171.9	1207.9	1299.3	1489.6	1606.6	1450.3	1312.2	1301.6	1264.0	1297.0
55°	1074.7	1083.0	1119.3	1233.5	1499.3	1801.3	1756.9	1532.5	1513.5	1446.2	1482.5
57.5°	890.6	897.7	934.3	1075.2	1413.7	1901.1	2146.3	1813.3	1787.1	1644.7	1686.6
60°	672.4	663.7	681.0	804.3	1209.2	1903.6	2489.9	2194.0	2150.3	1856.9	1891.9
62.5°	504.6	496.0	499.8	534.5	819.8	1749.8	2685.9	2714.8	2642.7	2096.5	2089.7
65°	398.7	393.9	404.8	428.7	477.9	1332.5	2687.4	3278.0	3232.6	2374.2	2292.5
67.5°	324.9	321.8	333.0	377.2	387.6	716.0	2409.7	3541.0	3558.7	2678.3	2480.5
70°	261.7	257.1	274.6	332.8	360.4	433.3	1726.2	3407.0	3435.6	2859.5	2427.5
72.5°	180.7	181.0	189.9	269.6	348.0	374.1	976.4	2836.9	2899.1	2695.3	2134.1
75°	121.8	122.8	125.4	177.9	320.6	363.0	520.3	2147.8	2191.7	2227.7	1764.0
77.5°	73.6	74.1	80.0	107.6	221.1	338.8	352.5	1556.9	1591.4	1468.6	1093.4
80°	42.6	44.4	49.7	72.1	149.2	254.6	272.9	954.6	993.7	652.8	347.5
82.5°	18.8	20.1	27.2	41.9	87.1	216.5	213.0	377.2	371.6	182.0	120.6
85°	3.3	4.1	5.8	13.2	32.0	114.2	165.2	166.5	156.6	69.0	50.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	24.9	44.7	44.4	19.5	17.3
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°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
2.5°	772.6	765.8	771.9	772.6	771.3	770.3	762.7	756.1	755.4	748.2	748.2
5°	775.4	769.1	772.1	766.3	757.1	747.7	731.5	720.3	715.2	706.1	706.1
7.5°	779.2	772.6	769.1	754.6	733.3	712.7	686.6	664.7	655.9	642.9	642.4
10°	782.8	774.4	762.2	734.0	700.0	667.3	629.2	598.2	577.2	561.7	561.7
12.5°	782.5	771.6	747.5	705.9	658.9	611.4	560.7	514.0	486.1	461.9	460.4
15°	782.0	767.0	728.7	673.1	610.9	545.2	476.2	415.2	373.9	350.3	348.2
17.5°	781.5	761.2	707.6	635.8	552.6	463.0	371.8	305.8	271.3	256.9	257.4
20°	781.5	754.6	685.0	592.9	485.3	364.5	272.9	224.9	216.3	217.0	217.8
22.5°	779.2	746.5	659.9	546.2	410.4	268.0	201.3	185.0	189.6	196.7	197.7
25°	773.9	733.0	630.7	494.4	321.3	195.2	164.2	161.2	169.5	178.4	181.0
27.5°	765.5	717.5	598.0	433.8	236.6	156.9	144.4	144.2	150.8	157.4	159.6
30°	756.6	700.3	563.5	366.3	171.3	136.6	131.7	131.7	135.0	139.1	138.6
32.5°	746.2	682.8	526.4	295.9	139.6	125.1	123.6	122.8	123.4	124.9	124.9
35°	737.3	667.3	488.3	221.6	125.1	118.8	117.3	115.5	114.7	113.7	114.2
37.5°	734.0	655.1	449.0	167.0	118.0	114.2	111.7	109.1	107.4	106.9	106.6
40°	739.4	650.0	409.7	137.6	112.9	109.4	106.6	103.3	101.8	101.8	101.8
42.5°	760.2	653.8	369.6	124.4	109.4	105.3	101.3	98.2	97.7	98.2	98.5
45°	798.2	668.5	327.9	117.8	106.3	101.3	96.4	94.2	94.2	94.7	94.7
47.5°	866.3	707.1	286.8	113.7	103.3	98.0	92.9	90.6	90.4	90.9	90.9
50°	984.0	776.7	249.8	110.9	101.0	95.4	90.4	87.3	86.6	86.3	86.3
52.5°	1132.5	897.2	226.1	108.9	98.2	92.6	87.6	83.5	82.0	81.2	81.2
55°	1312.0	1057.9	226.1	107.4	94.7	89.3	83.5	79.4	77.2	76.1	76.1
57.5°	1515.3	1245.0	265.2	106.1	91.9	85.5	79.2	75.1	72.6	71.1	71.1
60°	1722.1	1442.7	361.9	104.3	89.3	80.7	74.4	70.6	67.3	65.5	65.2
62.5°	1936.6	1660.5	489.4	105.3	87.6	76.1	69.3	65.0	62.2	60.4	60.2
65°	2133.1	1867.8	600.8	113.2	87.8	72.1	63.5	59.6	57.4	55.1	54.8
67.5°	2299.8	1982.3	522.6	129.2	93.1	67.3	57.6	53.8	51.8	50.3	50.0
70°	2183.1	1807.7	296.5	139.1	100.5	62.2	51.0	48.5	46.4	45.4	45.2
72.5°	1866.8	1530.5	198.2	122.8	91.6	55.6	44.9	42.9	41.4	40.1	39.8
75°	1512.2	1213.7	151.5	100.8	71.3	45.2	38.6	37.1	35.5	34.3	34.0
77.5°	894.7	701.3	111.7	79.7	50.3	35.3	32.0	30.7	29.2	28.2	27.9
80°	285.5	243.7	70.8	54.8	33.2	27.2	24.6	23.6	22.1	20.8	20.6
82.5°	108.9	94.2	37.6	27.9	22.1	18.5	16.5	15.5	14.5	13.2	12.9
85°	48.2	45.2	20.8	15.0	11.9	9.1	8.1	7.6	6.3	5.3	5.1
87.5°	17.0	17.0	8.9	4.3	2.5	1.3	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)