

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: P629348

Luminaire Tested: GWS-SA1B-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3511.7 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

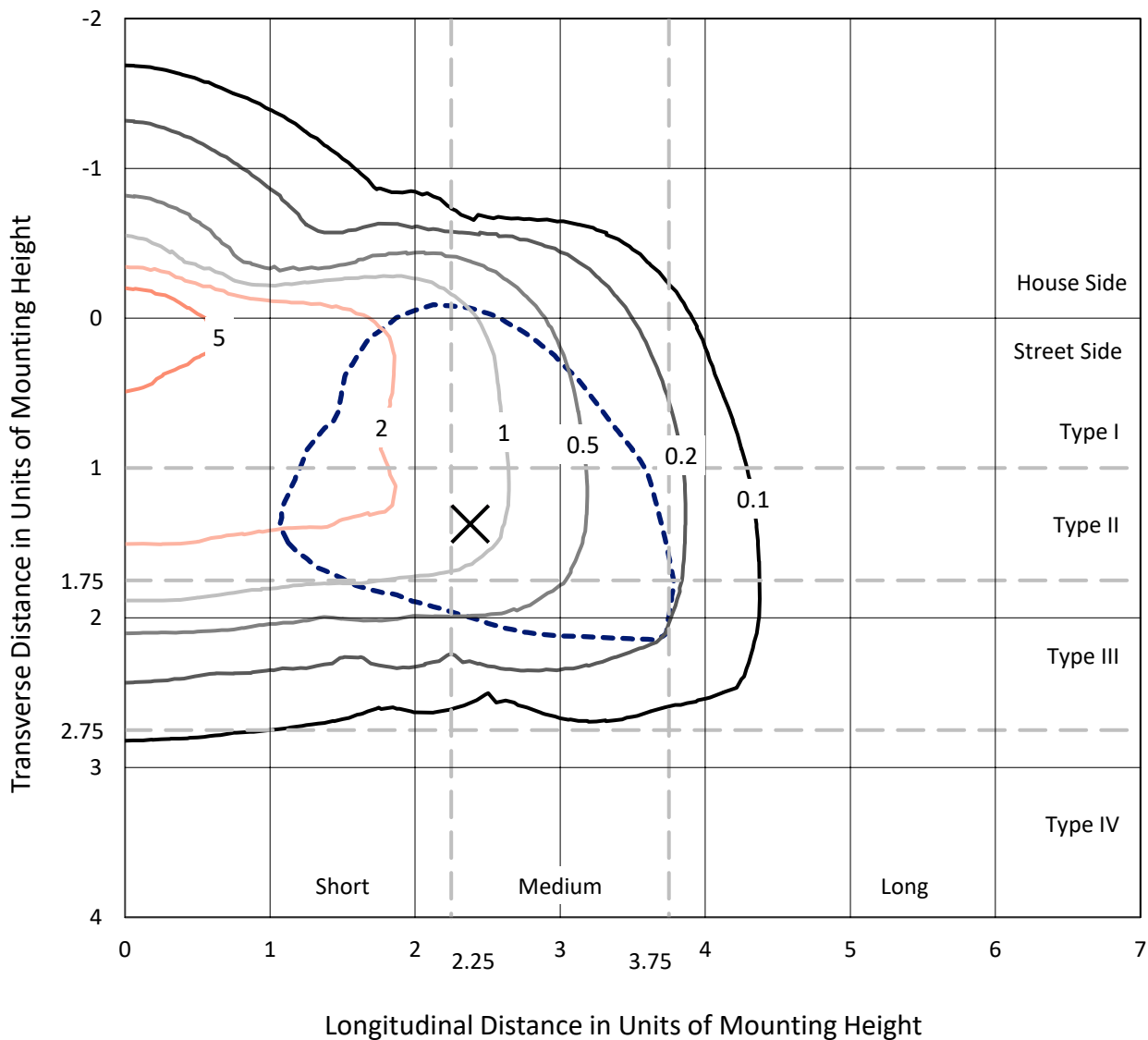
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629348
 CATALOG NUMBER: GWS-SA1B-740-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

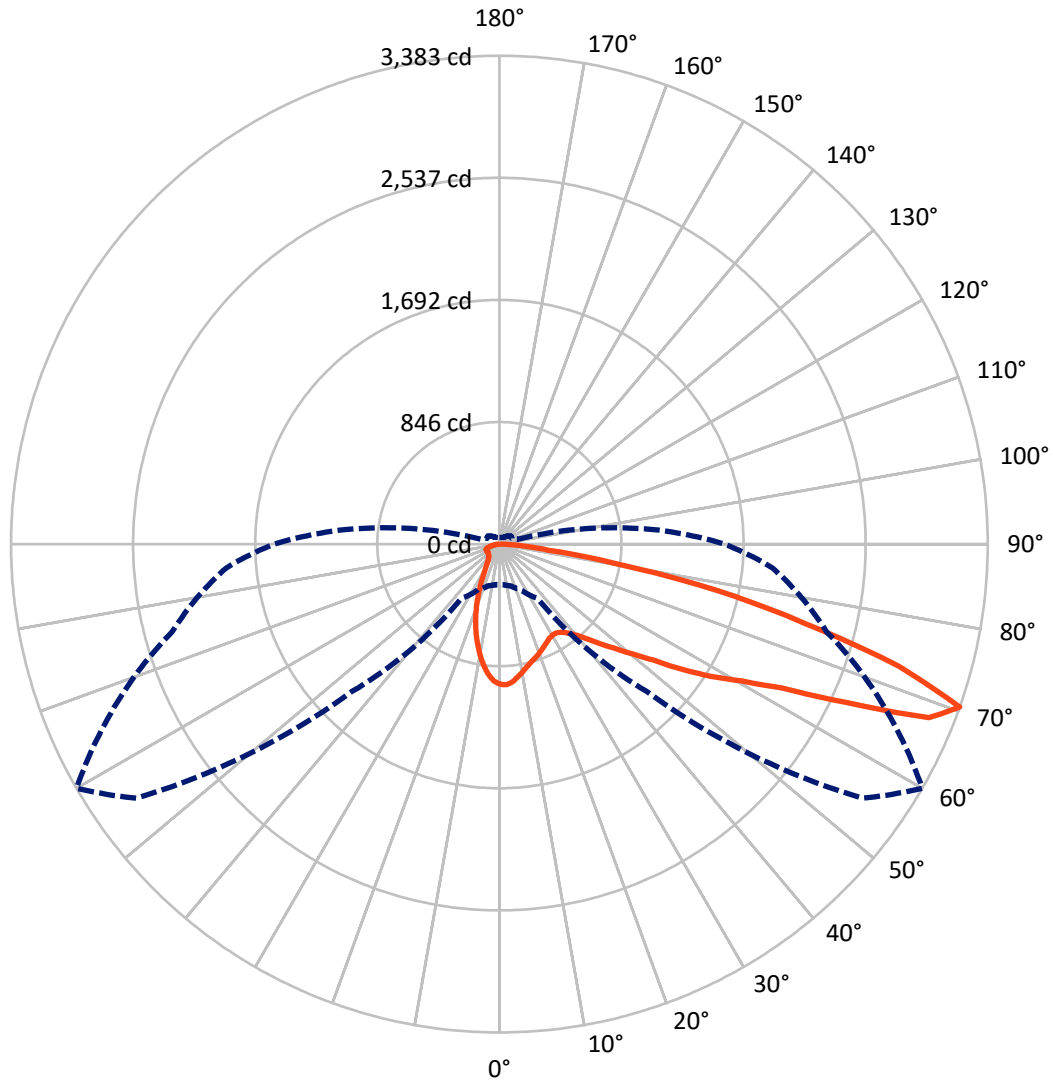
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P629348
CATALOG NUMBER: GWS-SA1B-740-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P629348

CATALOG NUMBER: GWS-SA1B-740-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.6	0.0	600.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2911.1	0.0	2911.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	3511.7	0.0	3511.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	2.4
10°-20°	187.6	5.3
20°-30°	240.3	6.8
30°-40°	315.8	9.0
40°-50°	458.2	13.0
50°-60°	714.9	20.4
60°-70°	936.0	26.7
70°-80°	517.6	14.7
80°-90°	57.4	1.6
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°	3511.7	100.0
0°-180°	3511.7	100.0

Coefficient of Utilization



REPORT NUMBER: P629348

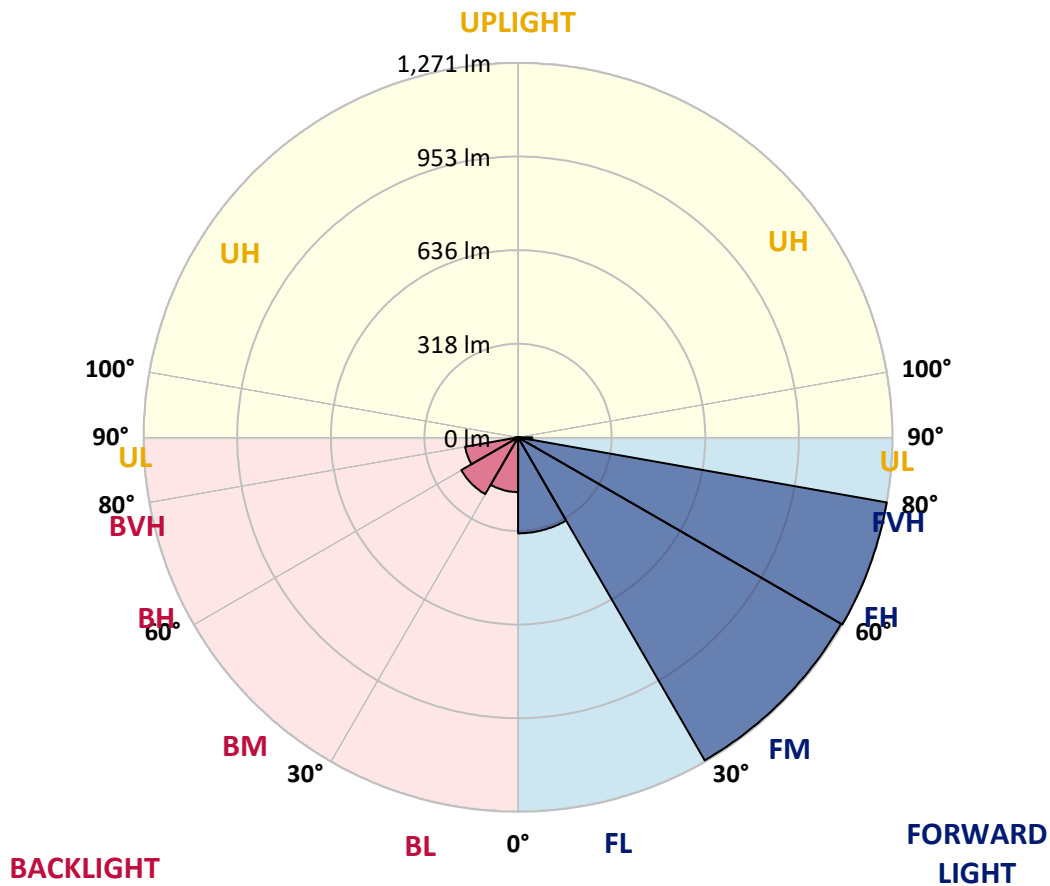
CATALOG NUMBER: GWS-SA1B-740-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.9	9.3			
FM (30°-60°)	1266.3	36.1			
FH (60°-80°)	1271.0	36.2			G1/1800
FVH (80°-90°)	47.9	1.4			G1/100
BL (0°-30°)	185.8	5.3	B1/500		
BM (30°-60°)	222.7	6.3	B1/1000		
BH (60°-80°)	182.5	5.2	B1/500		G1/500
BVH (80°-90°)	9.6	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 III Medium





REPORT NUMBER: P629348
 CATALOG NUMBER: GWS-SA1B-740-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	958.1	959.1	962.0	966.1	970.2	972.2	977.4	975.8	974.8	972.8	970.2
5°	915.7	917.8	920.3	928.3	937.3	944.5	956.1	957.3	957.9	958.9	954.8
7.5°	861.8	862.3	868.4	879.0	890.8	903.1	922.4	927.8	932.4	937.6	934.2
10°	802.2	803.4	808.1	823.2	843.5	861.8	887.7	896.7	906.5	917.8	913.2
12.5°	753.3	753.6	761.0	777.2	799.3	824.0	856.4	867.2	880.0	897.7	893.6
15°	714.5	714.5	721.5	735.4	760.8	789.8	828.4	842.2	859.7	883.6	876.4
17.5°	683.7	684.0	688.3	703.0	725.6	757.7	803.4	822.2	841.5	873.1	862.3
20°	667.5	666.2	667.0	676.0	695.3	726.4	778.5	800.4	826.3	865.9	849.4
22.5°	666.7	664.4	661.1	661.9	673.2	698.9	751.8	778.3	810.9	860.0	836.3
25°	679.9	677.3	671.4	664.7	663.7	679.1	726.6	756.7	795.0	857.4	823.7
27.5°	701.9	700.2	692.4	682.4	671.9	671.4	707.6	738.9	783.4	860.0	814.7
30°	731.2	728.2	723.3	710.4	694.5	678.1	700.2	729.4	775.7	868.2	810.9
32.5°	764.4	762.6	758.0	745.1	728.2	701.9	706.1	731.5	775.7	882.6	811.7
35°	799.6	799.3	799.3	790.8	772.1	739.5	729.4	749.0	787.5	905.7	819.9
37.5°	833.8	833.5	841.7	844.8	823.5	788.3	769.3	783.9	813.5	939.9	840.2
40°	861.5	862.5	880.5	895.9	884.1	851.5	824.8	832.2	855.6	988.4	875.6
42.5°	889.5	892.3	919.3	946.6	951.2	922.9	895.9	900.3	916.0	1052.7	928.6
45°	920.1	921.4	959.1	997.2	1019.5	1002.8	980.7	986.6	990.2	1132.1	1007.4
47.5°	949.6	953.0	1001.8	1054.0	1096.3	1094.8	1082.5	1080.7	1081.4	1228.7	1100.7
50°	990.0	994.9	1052.2	1115.1	1177.3	1205.8	1209.4	1195.8	1190.1	1336.1	1216.9
52.5°	1066.5	1066.5	1117.9	1179.9	1263.4	1334.0	1358.2	1335.8	1317.8	1449.6	1340.2
55°	1162.4	1166.5	1207.3	1257.4	1363.3	1468.9	1550.6	1525.9	1475.1	1573.2	1469.4
57.5°	1205.0	1210.2	1274.9	1352.8	1494.1	1622.3	1735.6	1726.9	1652.6	1701.7	1603.5
60°	1128.0	1138.7	1227.9	1358.4	1612.5	1869.7	1949.6	1924.2	1818.1	1836.6	1749.0
62.5°	940.9	952.7	1051.6	1233.8	1596.1	2137.2	2287.0	2193.2	2024.7	2006.9	1942.7
65°	561.4	560.9	679.9	921.4	1393.4	2211.5	2820.9	2645.9	2343.8	2240.7	2142.1
67.5°	356.9	356.1	381.0	488.2	927.3	2029.5	3164.2	3209.6	2777.2	2412.6	2158.5
70°	281.6	281.3	299.3	348.1	458.6	1444.2	3068.6	3383.3	3039.0	2347.1	1900.6
72.5°	205.3	205.8	233.6	291.6	353.8	725.1	2484.8	2894.9	2795.2	2071.9	1542.9
75°	147.5	148.3	165.0	223.3	326.3	396.5	1652.4	2176.8	2126.7	1660.8	1061.4
77.5°	93.8	94.8	109.5	156.5	263.6	320.1	1001.8	1536.7	1414.9	935.8	377.4
80°	57.3	60.6	73.0	116.6	210.7	240.2	500.8	809.6	708.6	256.7	126.9
82.5°	29.5	32.1	43.9	72.2	145.2	210.9	283.4	340.2	219.4	107.4	67.6
85°	9.2	10.8	15.4	29.3	69.1	130.8	187.6	169.1	100.7	50.6	31.3
87.5°	2.3	2.3	2.6	2.6	2.8	5.9	36.2	38.3	26.7	15.9	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629348
 CATALOG NUMBER: GWS-SA1B-740-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	965.1	958.9	956.3	956.1	949.6	940.4	934.2	929.9	927.3	926.8	926.8
5°	947.8	939.9	929.3	921.4	904.2	886.7	872.0	863.8	854.3	853.0	852.8
7.5°	925.0	913.4	893.4	871.0	841.0	811.9	787.3	770.6	753.9	750.8	749.7
10°	900.3	884.6	850.5	811.1	766.2	722.8	685.0	655.4	635.9	622.0	619.5
12.5°	875.9	855.1	805.0	746.4	684.7	625.4	568.6	520.3	485.4	465.1	461.5
15°	853.0	824.0	755.4	680.6	600.5	519.3	438.8	376.2	327.1	309.6	305.5
17.5°	832.2	796.0	707.3	612.5	512.6	406.5	315.0	259.2	230.5	221.7	219.7
20°	811.4	767.2	658.5	540.9	419.3	300.4	230.2	204.0	193.2	189.9	188.8
22.5°	789.1	735.6	605.3	470.2	325.0	224.8	188.3	176.8	173.4	173.7	173.4
25°	766.7	703.5	549.6	393.4	242.0	182.4	164.4	160.1	160.8	163.2	163.7
27.5°	748.2	675.0	494.9	309.1	189.1	157.0	148.5	148.3	151.1	154.2	154.7
30°	734.8	649.5	440.9	237.7	155.7	139.5	136.2	137.7	141.1	143.4	144.1
32.5°	725.3	627.7	383.3	186.8	136.4	127.2	125.6	127.2	129.2	131.6	132.1
35°	722.0	611.8	326.8	152.4	123.3	118.2	117.2	117.9	119.0	120.2	120.8
37.5°	729.4	603.8	267.7	132.6	115.4	112.3	110.7	110.2	110.5	111.0	111.3
40°	751.5	607.4	219.4	121.0	110.2	107.4	104.8	103.8	103.5	104.1	103.8
42.5°	789.6	622.6	184.5	114.3	106.1	102.0	99.2	98.1	98.1	99.4	99.4
45°	845.3	652.4	159.3	109.5	102.5	97.4	94.3	93.8	94.8	96.9	97.1
47.5°	927.0	696.0	144.1	105.9	99.2	93.3	90.2	89.9	92.0	95.3	95.6
50°	1023.9	759.0	135.9	103.3	96.9	89.9	86.8	87.1	89.4	93.0	93.8
52.5°	1140.5	844.8	136.4	102.3	95.6	87.9	84.8	84.3	86.6	90.2	91.0
55°	1261.0	949.1	146.5	102.5	93.8	86.8	82.7	80.9	83.0	85.6	85.8
57.5°	1393.6	1066.8	171.4	102.0	91.5	85.8	80.9	76.8	78.1	79.7	80.4
60°	1543.2	1205.3	225.1	103.0	90.4	83.5	77.3	71.9	71.7	72.7	73.0
62.5°	1743.1	1393.6	285.5	104.8	92.8	80.7	71.9	66.3	65.3	65.8	66.0
65°	1895.9	1483.5	266.4	103.3	97.6	78.6	66.8	60.9	58.8	58.3	58.3
67.5°	1833.8	1364.6	185.5	99.2	99.9	78.9	62.7	55.2	52.7	51.4	51.1
70°	1560.4	1108.4	129.0	95.1	97.4	78.4	58.3	50.6	47.3	45.5	45.2
72.5°	1232.8	846.3	104.3	86.8	88.4	70.7	51.9	45.5	42.7	40.3	40.3
75°	793.4	516.4	87.1	77.3	72.2	55.0	45.0	40.6	37.8	35.5	35.5
77.5°	267.0	191.7	67.6	65.5	54.0	41.4	37.8	34.9	32.6	30.6	30.3
80°	108.4	91.0	49.6	49.6	37.8	31.6	29.5	28.3	26.7	24.2	24.2
82.5°	62.9	55.2	34.7	30.1	25.2	21.8	20.6	19.3	19.3	17.5	17.5
85°	30.3	30.6	20.8	18.5	14.4	12.6	12.1	11.3	11.0	10.0	9.8
87.5°	16.4	16.7	10.5	8.2	5.7	4.9	4.1	3.9	3.6	3.3	3.3
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)