

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: P629808

Luminaire Tested: GWS-SA1C-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2927.4 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

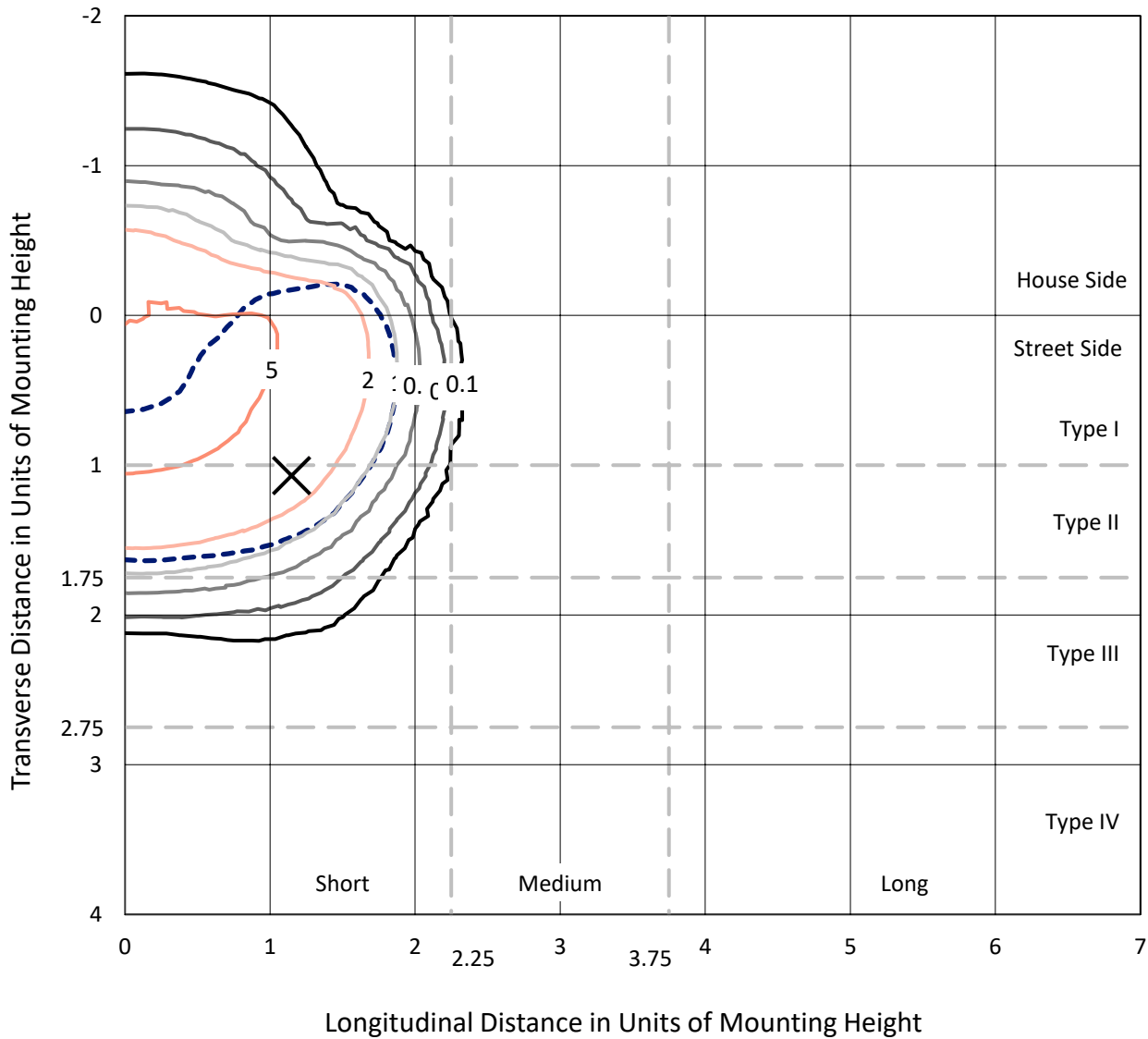
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

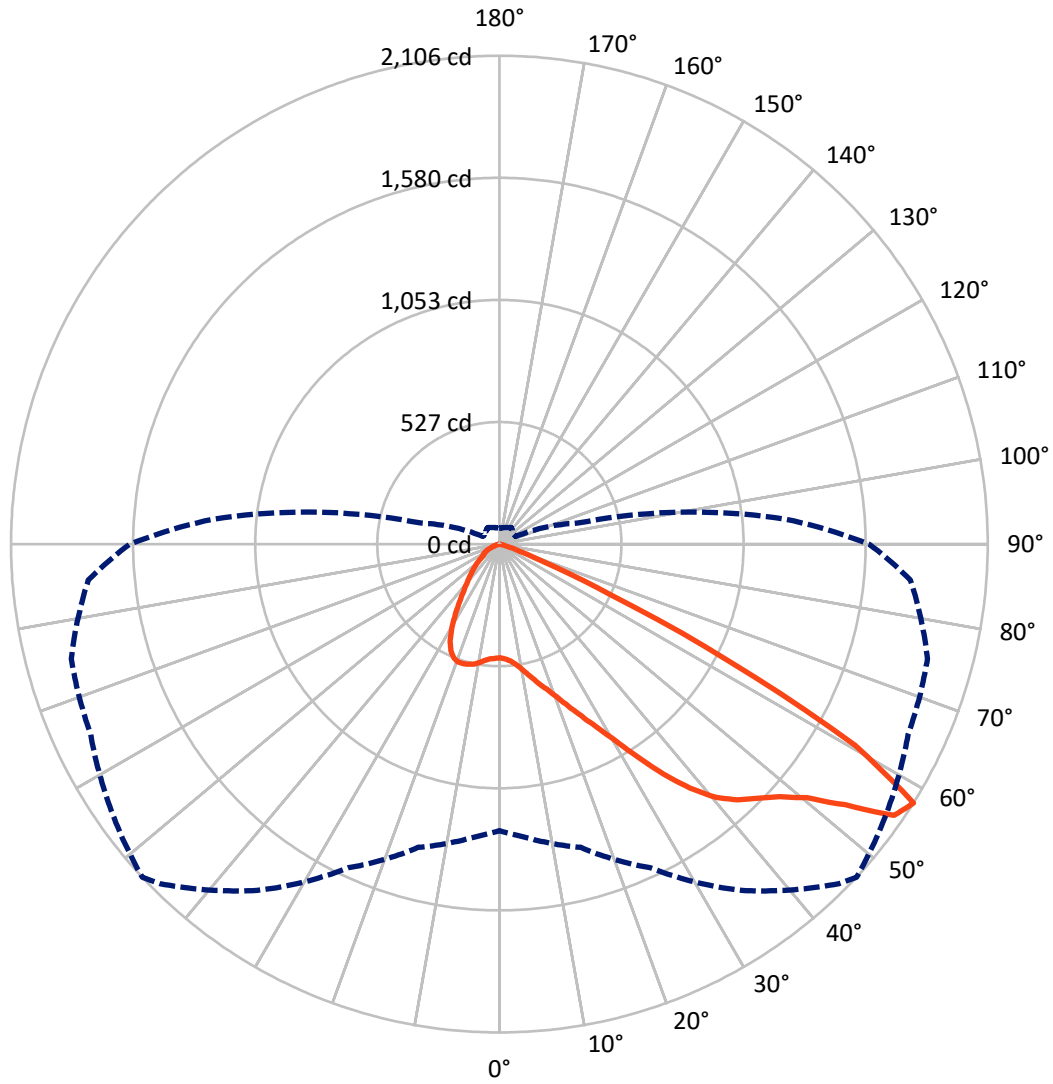
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	635.1	0.0	635.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2292.3	0.0	2292.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	2927.4	0.0	2927.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	1.7
10°-20°	164.5	5.6
20°-30°	305.5	10.4
30°-40°	489.0	16.7
40°-50°	714.8	24.4
50°-60°	882.1	30.1
60°-70°	294.8	10.1
70°-80°	27.5	0.9
80°-90°	0.6	0.0
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°	2927.4	100.0
0°-180°	2927.4	100.0

Coefficient of Utilization



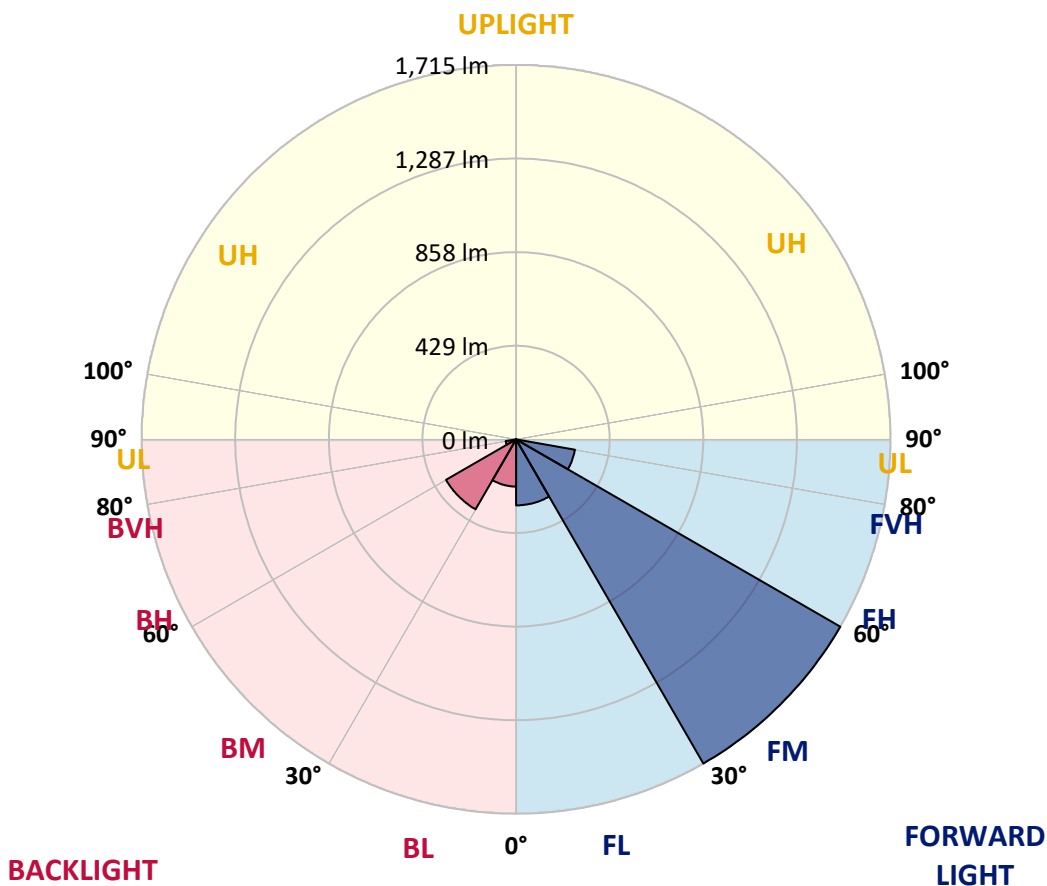
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.5	10.3			
FM (30°-60°)	1715.4	58.6			
FH (60°-80°)	273.9	9.4			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	216.2	7.4	B1/500		
BM (30°-60°)	370.5	12.7	B1/1000		
BH (60°-80°)	48.3	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0
2.5°	495.1	494.8	494.5	496.5	495.8	495.5	496.2	496.2	496.2	494.1	490.0
5°	507.0	507.0	506.7	508.7	507.0	506.0	506.4	506.4	505.0	501.3	496.2
7.5°	525.7	525.1	524.4	526.4	524.7	524.4	525.1	523.0	520.6	514.5	507.4
10°	552.6	552.6	551.6	553.6	552.2	551.6	551.6	550.2	545.8	536.3	525.7
12.5°	589.6	587.9	585.5	583.8	583.2	582.8	583.2	581.1	576.4	564.1	549.5
15°	630.1	628.7	625.0	622.2	618.5	617.8	619.9	618.2	613.4	596.8	576.0
17.5°	681.0	682.7	673.2	667.4	656.6	655.9	656.6	659.3	655.9	634.5	604.2
20°	724.5	725.9	718.8	714.7	704.8	700.4	701.8	706.2	702.5	677.3	635.2
22.5°	771.1	772.8	765.3	756.8	752.4	752.4	757.5	763.6	758.5	725.6	670.5
25°	826.8	828.2	822.1	810.9	803.0	812.9	820.4	836.7	828.2	783.3	712.3
27.5°	890.7	891.1	882.2	870.7	866.6	884.9	892.4	917.6	914.2	848.2	756.5
30°	959.0	959.4	957.3	949.5	945.8	969.9	980.1	1016.5	1014.1	928.8	816.6
32.5°	1030.1	1030.1	1033.8	1033.1	1037.5	1077.0	1093.3	1134.7	1132.3	1027.3	891.4
35°	1101.4	1101.8	1108.2	1124.5	1142.9	1195.2	1216.6	1266.9	1261.5	1145.3	986.9
37.5°	1182.6	1179.2	1188.1	1212.6	1253.3	1313.8	1334.2	1382.1	1376.0	1265.9	1111.6
40°	1280.5	1274.4	1274.4	1302.9	1349.2	1418.8	1436.2	1460.0	1439.2	1363.4	1234.0
42.5°	1388.6	1382.8	1375.3	1400.5	1439.2	1493.6	1507.9	1501.4	1484.4	1455.5	1373.3
45°	1498.0	1489.2	1494.3	1509.6	1532.0	1557.8	1563.3	1533.4	1525.5	1533.7	1488.5
47.5°	1581.3	1575.2	1587.7	1609.1	1627.5	1631.2	1627.5	1586.0	1585.4	1614.2	1568.4
50°	1609.1	1609.8	1644.5	1691.4	1721.0	1724.0	1718.9	1671.3	1664.9	1673.4	1611.5
52.5°	1611.9	1614.6	1665.2	1754.6	1835.1	1871.8	1867.8	1816.4	1753.2	1744.1	1676.8
55°	1546.3	1562.2	1632.9	1763.4	1934.7	2052.0	2065.6	1967.3	1873.5	1865.7	1817.1
57.5°	1236.0	1268.6	1353.9	1539.8	1823.6	2070.6	2106.0	2035.3	1944.6	1911.3	1779.4
60°	738.8	779.3	861.2	1089.2	1387.9	1701.9	1762.8	1772.6	1730.8	1634.6	1365.1
62.5°	317.1	313.7	414.6	589.3	825.5	1081.7	1109.2	1152.1	1188.4	1087.8	828.5
65°	108.7	118.3	164.5	265.8	413.2	502.3	526.8	565.2	616.8	509.1	303.5
67.5°	67.3	71.4	94.8	157.0	222.9	219.5	208.7	202.5	197.1	134.9	83.3
70°	48.9	52.3	66.6	108.1	149.9	105.4	91.4	74.1	82.2	75.8	59.1
72.5°	33.0	35.7	45.9	65.6	76.8	51.3	47.6	54.0	65.2	62.2	48.3
75°	19.7	21.4	26.2	31.9	31.3	26.5	26.8	38.1	50.0	46.6	34.3
77.5°	13.6	14.3	17.3	20.7	15.3	8.2	7.5	10.5	17.0	17.0	11.6
80°	3.4	4.4	4.4	2.7	2.4	2.0	2.0	3.1	4.8	3.4	1.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
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°	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0
2.5°	492.4	488.4	491.1	490.4	492.4	493.1	490.0	489.4	489.7	485.6	484.3
5°	497.2	492.4	493.8	492.4	494.8	496.8	495.8	497.2	498.9	495.8	494.5
7.5°	507.4	502.6	502.3	500.2	503.6	505.0	504.7	508.4	511.8	509.8	507.7
10°	525.1	518.6	517.9	516.2	517.2	518.3	514.5	515.2	518.3	515.9	514.9
12.5°	546.8	539.0	537.3	533.2	533.2	528.1	520.0	518.3	520.6	518.9	517.2
15°	570.3	559.7	557.0	549.9	543.1	533.5	525.1	523.0	524.7	522.7	521.3
17.5°	596.4	584.5	575.7	563.1	548.2	536.9	527.4	523.0	520.3	516.2	515.9
20°	622.2	606.6	591.7	571.6	551.9	534.9	519.3	507.7	497.9	491.7	489.4
22.5°	652.2	629.0	604.9	576.7	548.5	522.7	495.1	475.4	458.4	452.7	449.9
25°	684.1	654.2	618.2	581.5	536.9	495.5	458.1	428.9	406.4	399.0	395.9
27.5°	719.4	678.3	631.8	580.4	513.2	456.7	407.1	370.8	348.7	341.9	344.3
30°	764.3	709.6	648.8	569.9	477.5	402.4	344.3	313.7	297.0	290.6	290.9
32.5°	824.1	754.4	673.6	547.5	431.6	340.5	289.5	267.1	255.9	247.4	246.7
35°	909.8	822.8	696.7	511.5	375.9	285.5	248.4	230.8	215.1	205.3	207.0
37.5°	1012.4	908.7	709.2	462.9	313.3	242.6	217.5	199.5	181.8	167.2	168.9
40°	1134.0	1021.2	708.2	399.0	256.2	213.4	191.7	170.6	148.5	135.3	136.6
42.5°	1269.6	1127.6	686.1	331.3	212.4	189.6	166.9	140.4	118.9	110.8	111.1
45°	1387.2	1213.9	647.4	261.3	178.8	166.5	141.0	113.8	104.3	98.6	98.2
47.5°	1474.2	1277.1	592.0	205.6	151.6	145.5	115.9	102.0	94.5	89.7	89.0
50°	1522.8	1299.2	530.8	161.1	128.1	123.4	103.7	92.4	87.3	84.3	83.6
52.5°	1588.1	1325.7	487.0	127.1	107.4	100.9	95.5	86.0	82.6	80.2	79.2
55°	1691.4	1377.0	448.9	100.9	89.4	88.0	90.1	82.2	80.2	76.5	75.1
57.5°	1594.2	1237.0	348.7	78.2	75.4	80.5	87.0	78.5	73.4	70.0	68.6
60°	1121.8	822.4	175.4	62.9	67.3	75.4	81.9	71.0	65.9	66.6	65.9
62.5°	618.5	411.5	78.8	52.7	58.5	66.6	70.0	61.5	58.1	63.9	64.9
65°	202.2	140.0	45.5	40.8	46.2	54.4	60.5	58.5	57.8	64.6	66.6
67.5°	62.2	46.2	30.9	29.2	31.9	40.1	51.0	63.2	68.0	70.0	71.0
70°	46.6	36.4	26.5	24.8	26.2	30.6	43.2	52.7	49.6	50.0	49.3
72.5°	37.4	28.9	22.8	21.7	21.7	21.1	22.8	28.5	32.3	34.0	34.0
75°	26.2	20.4	17.3	16.0	12.6	10.2	9.2	9.2	8.2	7.8	7.5
77.5°	8.8	7.5	6.8	5.4	3.7	3.1	2.7	2.4	1.7	1.0	0.7
80°	1.4	1.0	0.7	0.7	0.7	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.0	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)