Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P887646

Luminaire Tested: **TT-D2-830-U-WQ-TC**

Issue Date: 10/9/2024

Report Generated By 670246001

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P887646
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-1)
Test Lab:	INNOVATION CENTER
Issue Date:	10/9/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D2-830-U-WQ-TC
Description:	WQ
	3000K, 80 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:	
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4054 lumens
Efficiency:	N/A
Efficacy:	103.4 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B2 - U0 - G1

Input Watts (W):	39.2
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.972
Total Harmonic Distortion (THDi):	15.9%
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

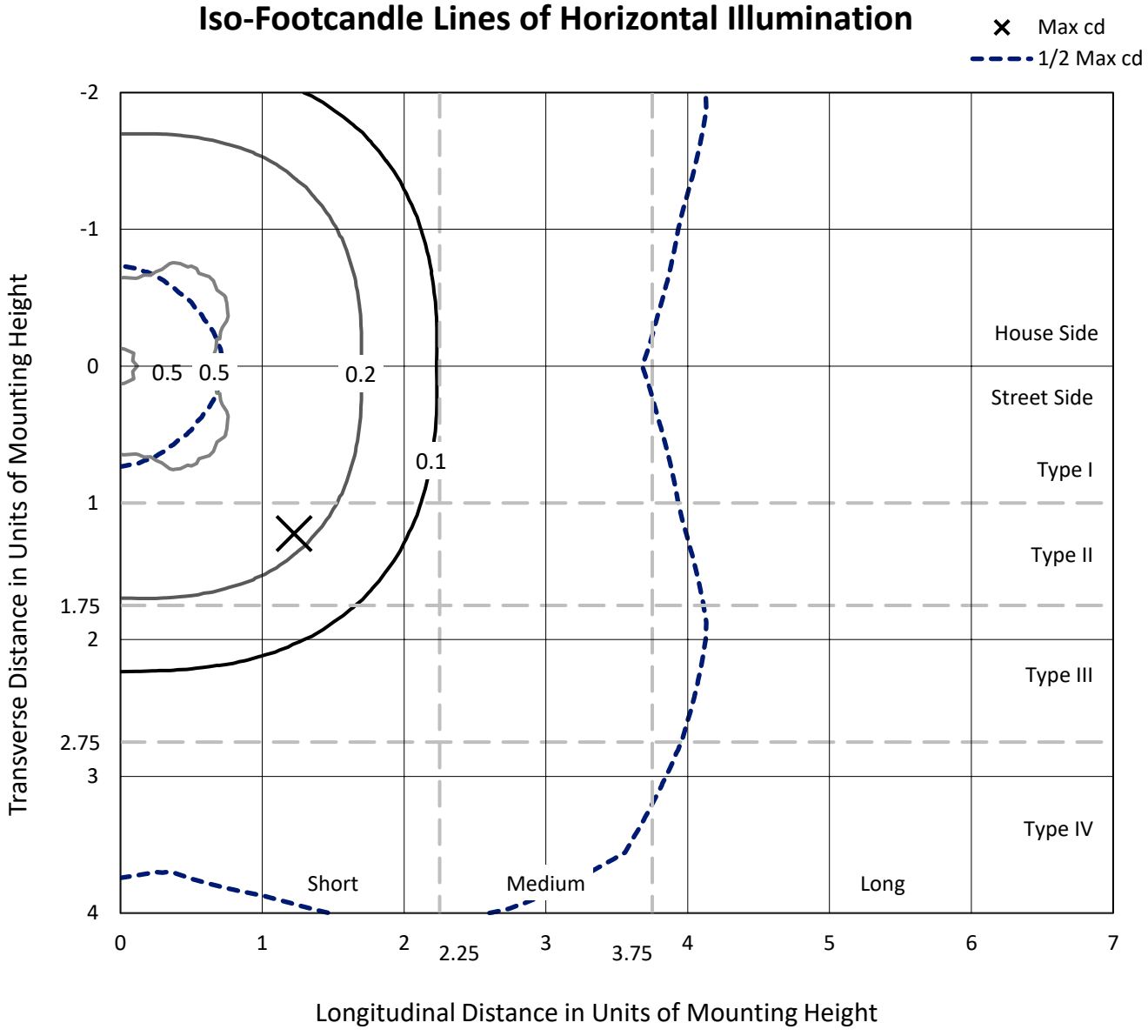


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Iso-Footcandle Lines of Horizontal Illumination



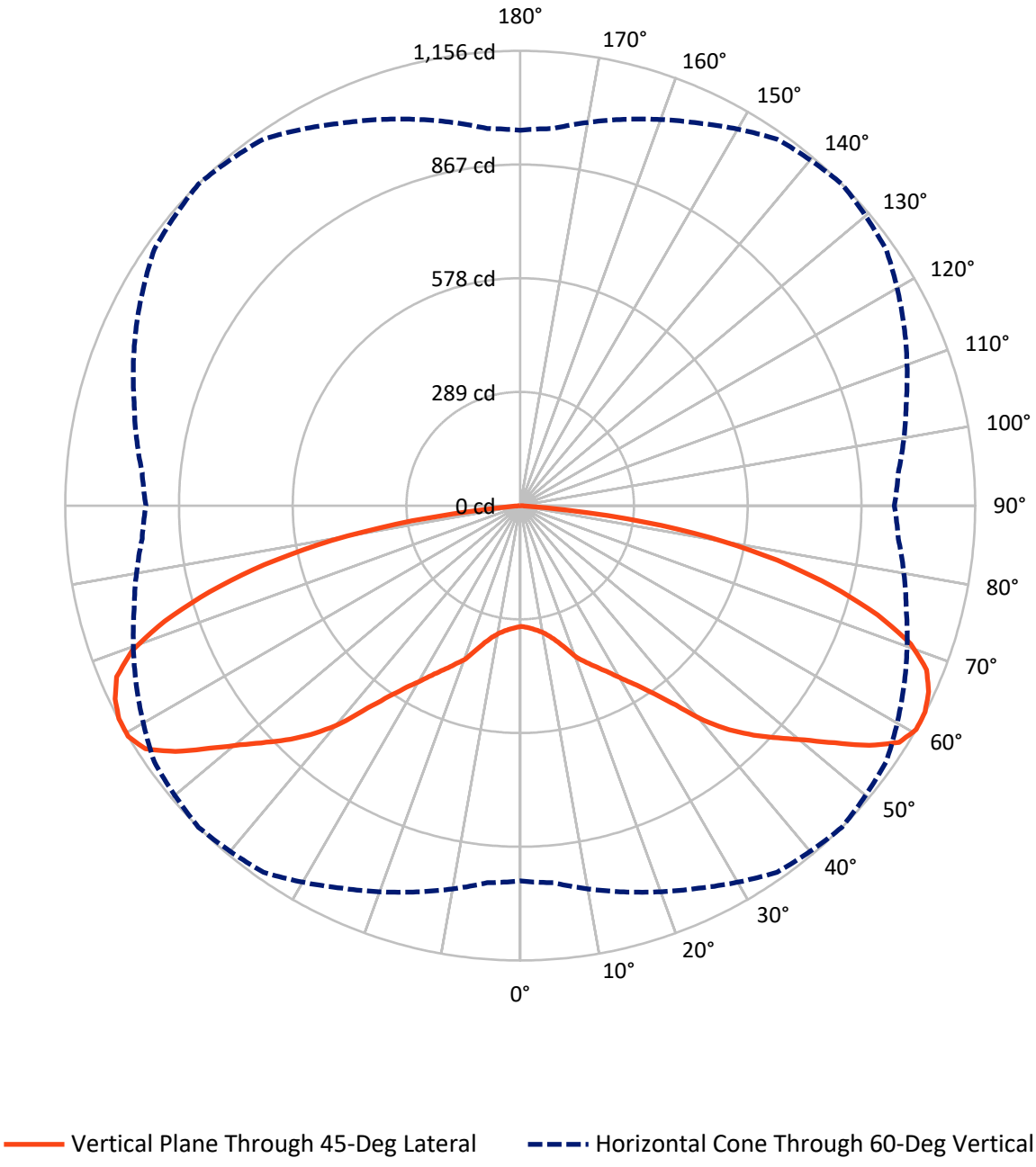
Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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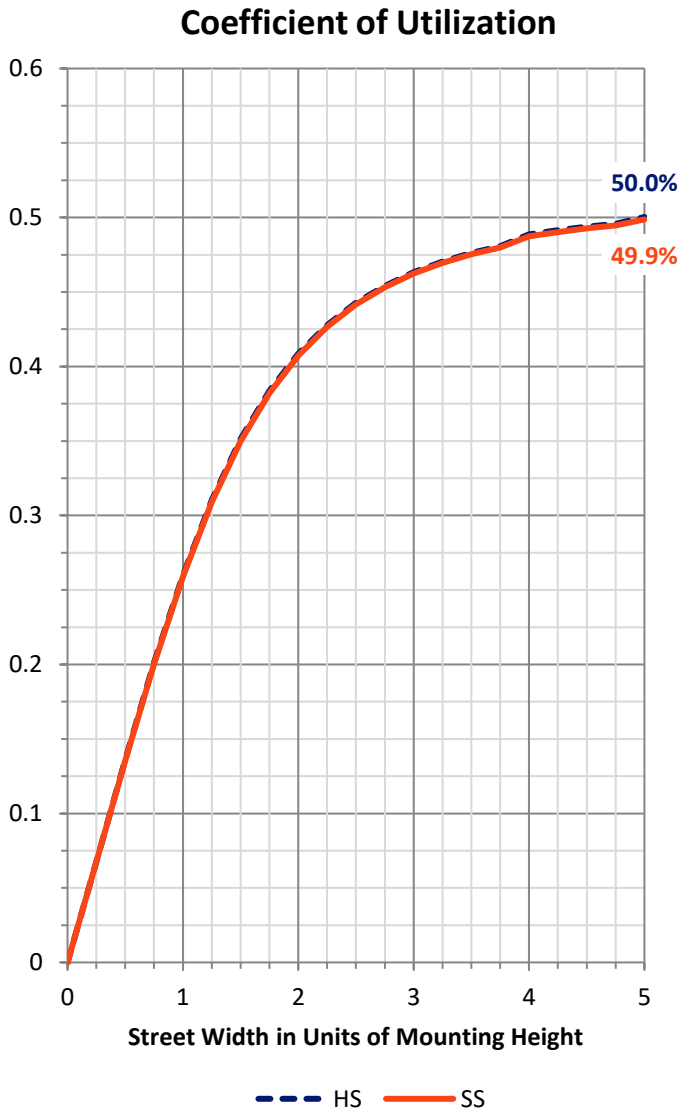
REPORT NUMBER: P887646
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2027.0	0.0	2027.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2027.0	0.0	2027.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4054.0	0.0	4054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.8
10°-20°	103.9	2.6
20°-30°	210.9	5.2
30°-40°	367.9	9.1
40°-50°	614.3	15.2
50°-60°	890.0	22.0
60°-70°	1012.8	25.0
70°-80°	720.8	17.8
80°-90°	103.1	2.5
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°	4054.0	100.0
0°-180°	4054.0	100.0



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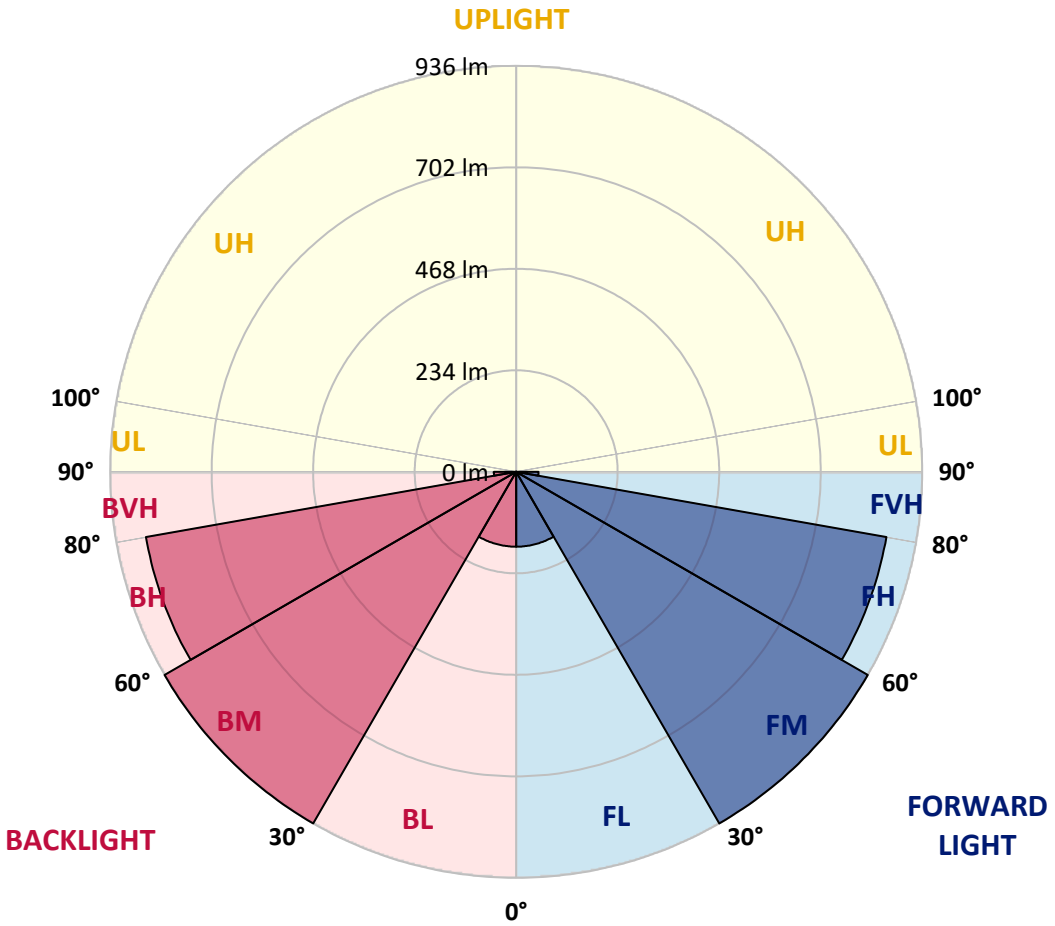
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	172.6	4.3			
FM	(30°-60°)	936.0	23.1			
FH	(60°-80°)	866.8	21.4			G1/1800
FVH	(80°-90°)	51.6	1.3			G1/100
BL	(0°-30°)	172.6	4.3	B1/500		
BM	(30°-60°)	936.0	23.1	B1/1000		
BH	(60°-80°)	866.8	21.4	B2/1000		G1/1800
BVH	(80°-90°)	51.6	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	306.9	306.9	306.9	306.9	306.9	*306.9*	306.9	306.9	306.9	306.9	306.9
2.5°	310.6	310.6	310.6	310.6	310.6	*309.8*	309.8	310.6	310.6	310.6	311.3
5°	314.3	315.0	314.3	315.0	314.3	*314.3*	314.3	315.0	315.0	315.0	315.0
7.5°	320.2	320.2	319.5	320.2	319.5	*320.2*	320.2	321.0	321.0	321.0	321.0
10°	329.9	329.9	329.9	329.9	329.1	*329.1*	329.9	330.6	331.4	331.4	331.4
12.5°	342.5	342.5	342.5	344.0	342.5	*341.8*	341.8	343.3	344.0	343.3	342.5
15°	357.4	357.4	358.1	359.6	359.6	*359.6*	358.9	358.9	359.6	358.1	357.4
17.5°	377.4	377.4	377.4	380.4	382.6	*383.4*	381.2	379.7	379.7	378.2	376.7
20°	403.4	404.2	404.2	407.2	410.9	*412.4*	410.1	407.2	406.4	404.2	403.4
22.5°	425.0	426.5	427.2	429.5	432.4	*433.2*	433.2	430.2	429.5	428.0	425.0
25°	445.8	447.3	448.0	452.5	455.5	*455.5*	456.2	452.5	451.0	448.8	445.8
27.5°	468.8	468.8	469.6	475.5	480.7	*480.0*	480.0	477.0	474.0	470.3	469.6
30°	493.4	494.8	494.8	502.3	508.2	*510.4*	507.5	504.5	500.0	496.3	494.1
32.5°	521.6	522.3	525.3	535.7	541.6	*543.9*	542.4	537.2	529.8	526.0	523.8
35°	553.5	554.3	561.7	575.8	584.7	*587.0*	587.0	576.6	566.9	558.7	555.0
37.5°	598.1	600.3	612.2	630.1	647.2	*643.4*	649.4	630.8	615.9	604.8	599.6
40°	653.8	656.1	673.9	694.0	717.0	*717.7*	720.0	694.7	675.4	661.3	655.3
42.5°	695.4	702.1	724.4	750.4	770.5	*778.7*	774.2	751.2	725.2	707.3	700.6
45°	739.3	746.0	772.7	801.7	823.2	*832.2*	824.7	802.4	774.9	751.9	743.7
47.5°	783.1	789.8	817.3	849.2	876.0	*881.9*	877.5	850.7	818.8	793.5	785.4
50°	826.2	834.4	861.1	901.3	931.0	*935.4*	932.5	902.0	861.9	835.9	830.7
52.5°	864.1	876.7	916.1	957.0	997.1	*1001.6*	999.3	956.2	910.9	877.5	862.6
55°	910.2	918.3	959.2	1026.1	1059.5	*1075.9*	1064.7	1021.6	960.7	922.8	911.7
57.5°	951.0	958.5	997.1	1061.7	1112.3	*1135.3*	1116.7	1062.5	998.6	956.2	953.3
60°	*954.0*	*962.2*	*1016.4*	*1072.9*	*1137.5*	*1156.1*	*1135.3*	*1076.6*	*1015.7*	*964.4*	*951.0*
62.5°	936.9	947.3	999.3	1084.0	1143.5	*1154.6*	1137.5	1077.3	1003.0	952.5	937.7
65°	934.7	939.2	984.5	1072.9	1118.2	*1140.5*	1119.0	1069.2	988.9	940.6	928.0
67.5°	879.0	877.5	938.4	1017.2	1089.2	*1113.8*	1087.0	1018.7	943.6	884.9	870.1
70°	805.4	801.7	861.9	948.8	1020.9	*1052.8*	1019.4	951.8	869.3	807.6	796.5
72.5°	707.3	700.6	762.3	855.2	924.3	*949.6*	922.8	858.2	770.5	711.8	694.7
75°	580.3	571.4	639.7	728.9	792.0	*818.8*	788.3	737.8	650.9	590.7	567.7
77.5°	434.7	422.8	487.4	580.3	636.0	*668.0*	635.3	587.7	502.3	442.8	424.3
80°	279.4	263.8	315.8	408.6	456.9	*488.2*	451.0	412.4	329.9	280.9	267.5
82.5°	113.7	100.3	134.5	202.1	240.0	*276.4*	237.8	204.3	144.1	112.2	103.3
85°	8.2	4.5	6.7	8.2	6.7	*12.6*	5.2	6.7	5.9	5.9	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	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)