

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208861

Luminaire Tested: UPW-SA2-070-750-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-750-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9770 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



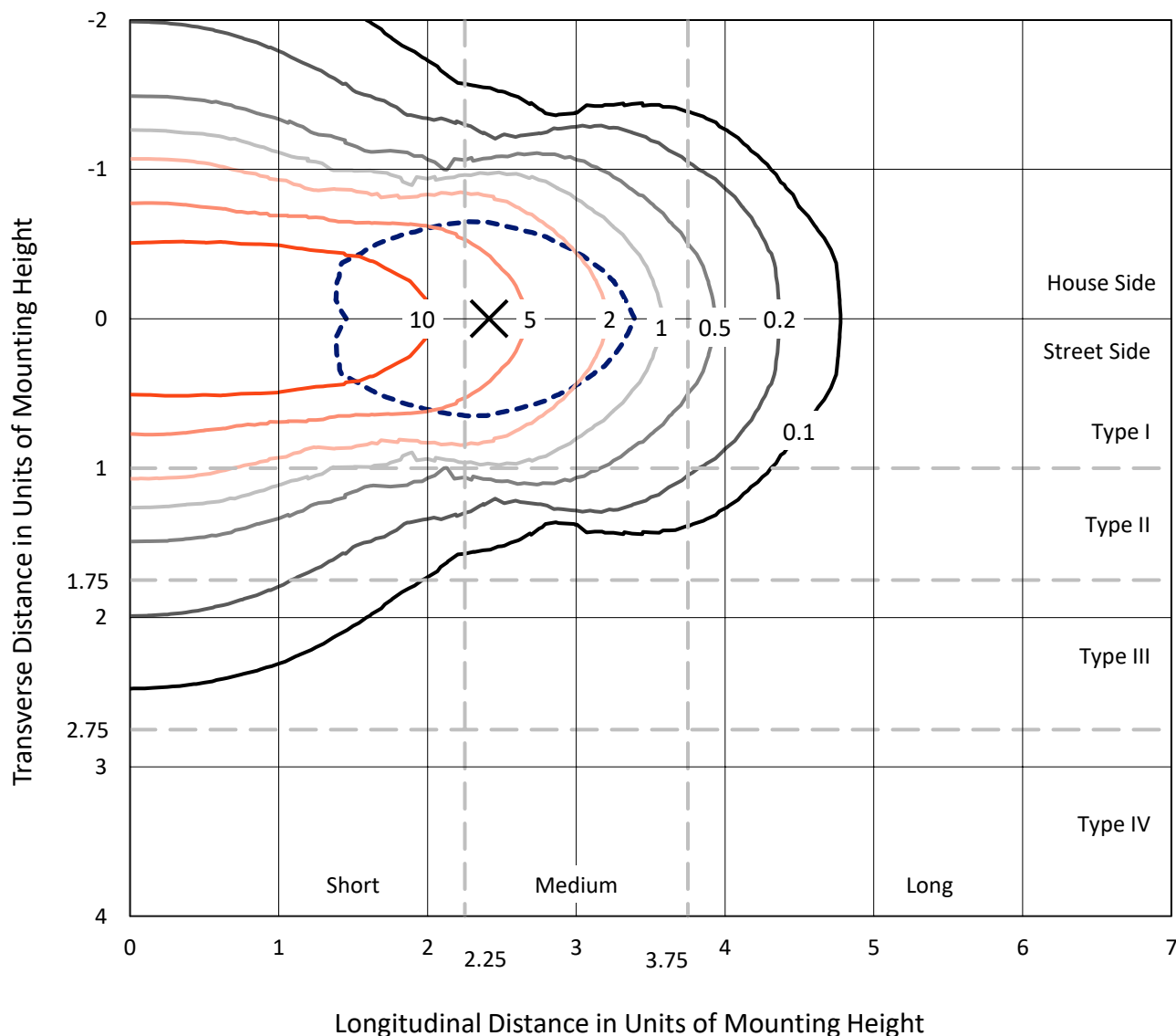
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



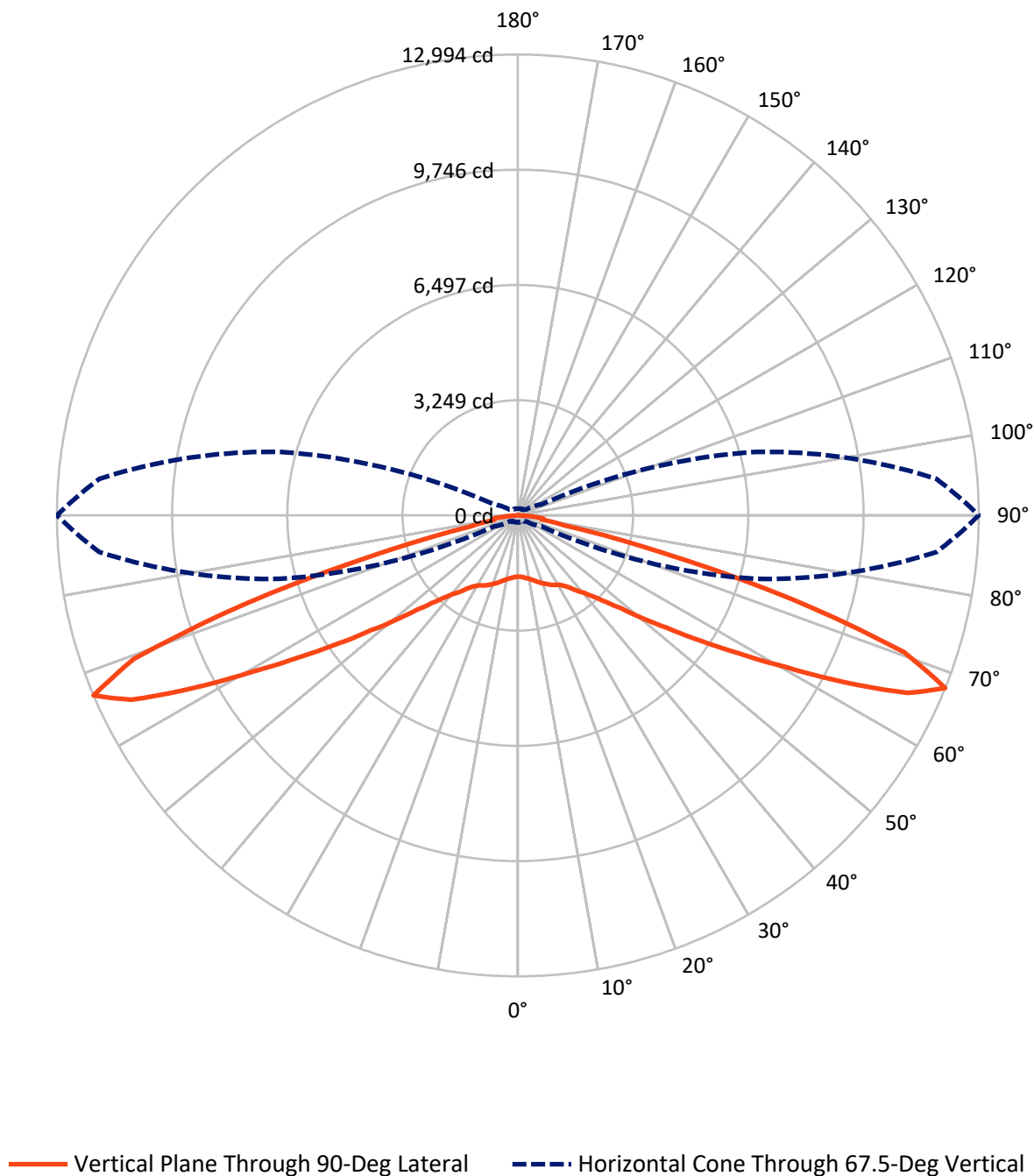
Based on 10 foot mounting height. Maximum calculated value = 18.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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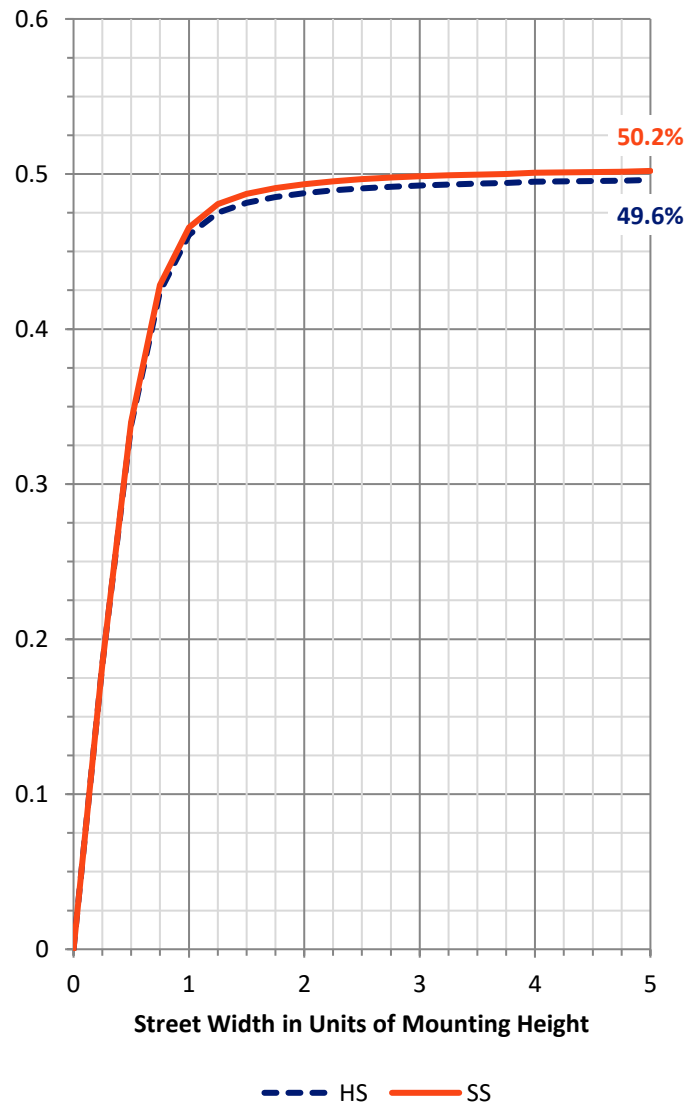
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4885.0	0.0	4885.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4885.0	0.0	4885.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9770.0	0.0	9770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	1.8
10°-20°	551.7	5.6
20°-30°	923.4	9.5
30°-40°	1251.0	12.8
40°-50°	1584.6	16.2
50°-60°	1979.6	20.3
60°-70°	2326.9	23.8
70°-80°	890.1	9.1
80°-90°	90.2	0.9
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°	9770.0	100.0
0°-180°	9770.0	100.0

Coefficient of Utilization



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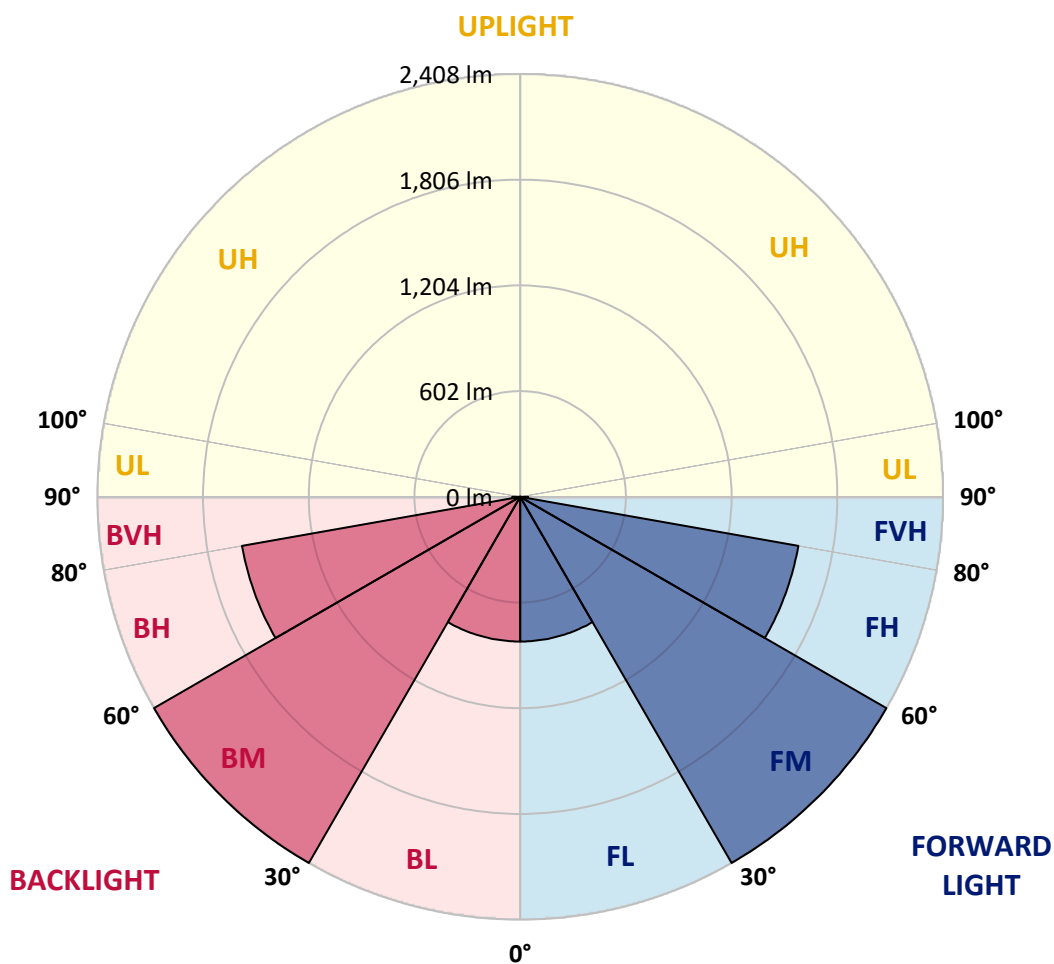
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	823.8	8.4			
FM	(30°-60°)	2407.6	24.6			
FH	(60°-80°)	1608.5	16.5			G1/1800
FVH	(80°-90°)	45.1	0.5			G1/100
BL	(0°-30°)	823.8	8.4	B2/1000		
BM	(30°-60°)	2407.6	24.6	B2/2500		
BH	(60°-80°)	1608.5	16.5	B3/2500		G3/2500
BVH	(80°-90°)	45.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6	1729.6
2.5°	1751.8	1750.7	1751.2	1750.7	1752.3	1751.2	1744.7	1739.3	1735.0	1735.5	1733.9
5°	1789.1	1789.6	1790.2	1787.5	1791.3	1789.1	1778.8	1770.2	1761.5	1758.3	1757.2
7.5°	1819.9	1822.6	1824.3	1827.0	1833.5	1833.5	1828.1	1815.6	1796.7	1785.9	1785.3
10°	1850.8	1852.9	1857.8	1866.5	1877.3	1887.6	1885.4	1868.6	1844.3	1825.9	1821.6
12.5°	1861.6	1864.3	1880.5	1905.4	1929.8	1949.8	1949.8	1936.3	1904.9	1876.7	1868.6
15°	1823.7	1828.6	1857.8	1910.8	1974.7	2018.5	2028.2	2009.3	1975.8	1932.5	1922.7
17.5°	1748.5	1760.4	1803.2	1881.6	1987.7	2078.5	2106.7	2097.5	2054.2	1999.0	1987.7
20°	1667.9	1680.9	1726.3	1830.2	1976.8	2113.7	2195.4	2197.6	2144.0	2063.9	2047.2
22.5°	1579.2	1588.9	1647.4	1769.1	1944.4	2121.8	2271.7	2309.0	2236.5	2128.9	2105.1
25°	1479.6	1490.5	1551.6	1683.1	1883.2	2112.6	2341.5	2423.7	2333.4	2198.1	2167.8
27.5°	1384.4	1388.8	1454.2	1587.9	1802.6	2088.8	2392.9	2529.2	2440.5	2255.5	2217.0
30°	1293.0	1303.3	1361.2	1493.2	1710.1	2042.3	2437.2	2649.3	2555.7	2315.5	2266.3
32.5°	1196.2	1208.6	1271.4	1405.0	1617.6	1972.5	2464.3	2780.8	2716.4	2412.9	2360.4
35°	1103.1	1111.2	1174.5	1304.4	1527.3	1891.4	2469.1	2929.0	2923.6	2560.6	2490.8
37.5°	1007.9	1019.8	1083.6	1208.1	1431.5	1805.3	2444.8	3086.4	3173.5	2765.6	2690.4
40°	916.5	926.7	989.5	1115.0	1322.8	1700.4	2386.9	3230.3	3465.1	2976.6	2870.0
42.5°	816.9	819.6	888.3	1016.0	1216.2	1578.7	2303.6	3358.6	3790.3	3259.6	3127.0
45°	703.8	710.9	774.7	900.2	1093.9	1442.3	2190.5	3464.6	4202.5	3651.8	3471.1
47.5°	590.8	596.7	655.2	779.0	960.3	1286.0	2016.3	3557.7	4625.6	4150.1	3913.1
50°	480.4	483.7	531.3	641.1	809.9	1121.5	1800.5	3587.4	5103.8	4855.5	4553.1
52.5°	379.8	384.7	420.9	506.9	649.2	927.3	1567.3	3513.8	5662.2	5691.9	5265.6
55°	307.8	309.5	336.5	399.8	507.5	723.9	1286.0	3308.8	6262.7	6763.6	6219.9
57.5°	265.1	266.2	281.3	316.5	390.6	545.9	997.6	2920.9	6802.1	8019.3	7320.3
60°	240.7	241.3	249.9	270.5	309.5	418.7	714.7	2373.4	7334.4	9416.7	8688.0
62.5°	225.6	225.6	231.6	242.9	261.8	321.4	517.7	1712.3	7699.0	10834.7	10373.8
65°	211.0	211.0	215.3	223.4	233.7	262.9	382.5	1116.6	7689.9	11867.5	12069.3
67.5°	194.2	194.2	197.5	205.6	211.5	226.1	295.4	731.4	6907.6	11844.8	12994.4
70°	174.2	174.2	178.5	185.6	190.4	199.6	233.2	500.4	5074.6	10113.6	11556.4
72.5°	154.2	154.7	157.4	164.5	168.3	173.7	193.7	350.6	3112.9	6886.5	8080.5
75°	132.0	133.1	135.8	142.8	146.1	148.2	163.4	249.9	1574.9	3712.9	4227.4
77.5°	106.6	108.7	110.4	117.9	120.1	123.3	134.7	180.7	691.4	1334.1	1346.0
80°	77.9	80.6	85.5	92.5	94.1	96.3	102.8	128.2	313.2	609.2	661.6
82.5°	57.3	61.1	55.2	64.4	64.4	61.7	72.5	86.0	143.9	603.2	721.7
85°	31.4	31.9	28.7	33.0	35.2	34.6	38.4	42.2	69.8	402.5	415.0
87.5°	7.6	8.1	8.7	10.3	12.4	12.4	13.5	11.9	22.7	130.4	74.7
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)