

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: P1208780

Luminaire Tested: UPW-SA2-070-730-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8897 lumens
Efficiency: N/A
Efficacy: 134.8 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



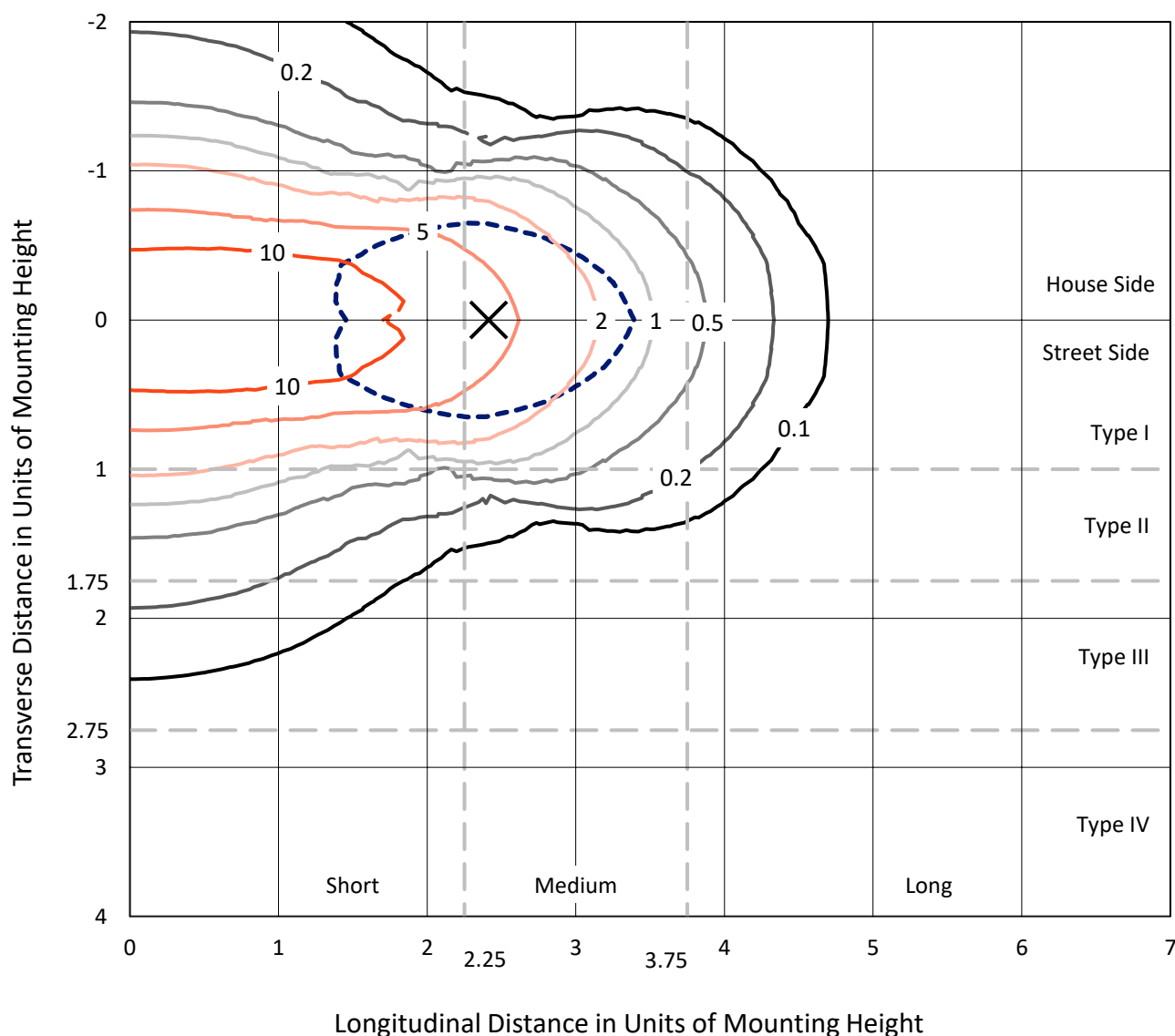
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



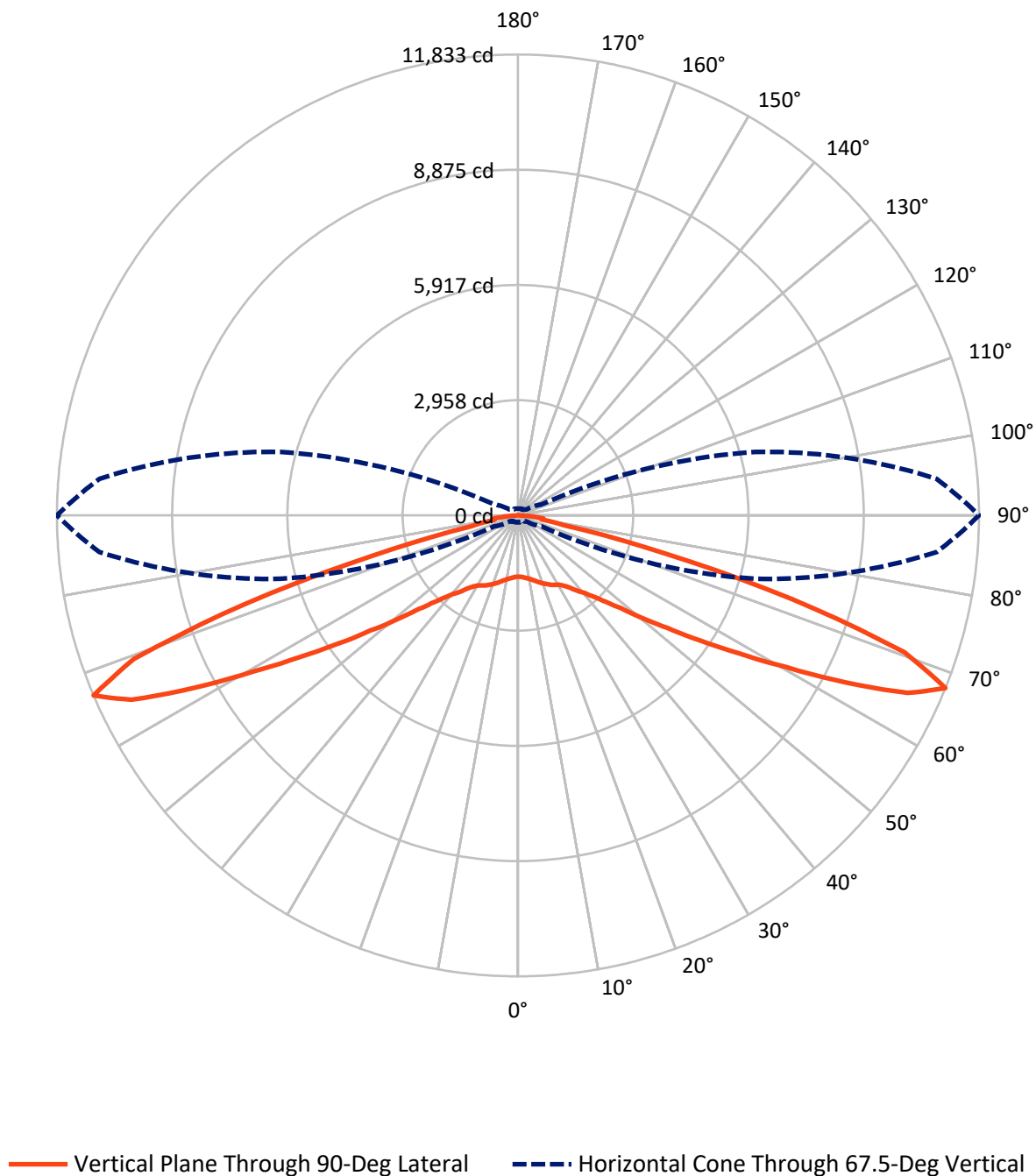
Based on 10 foot mounting height. Maximum calculated value = 16.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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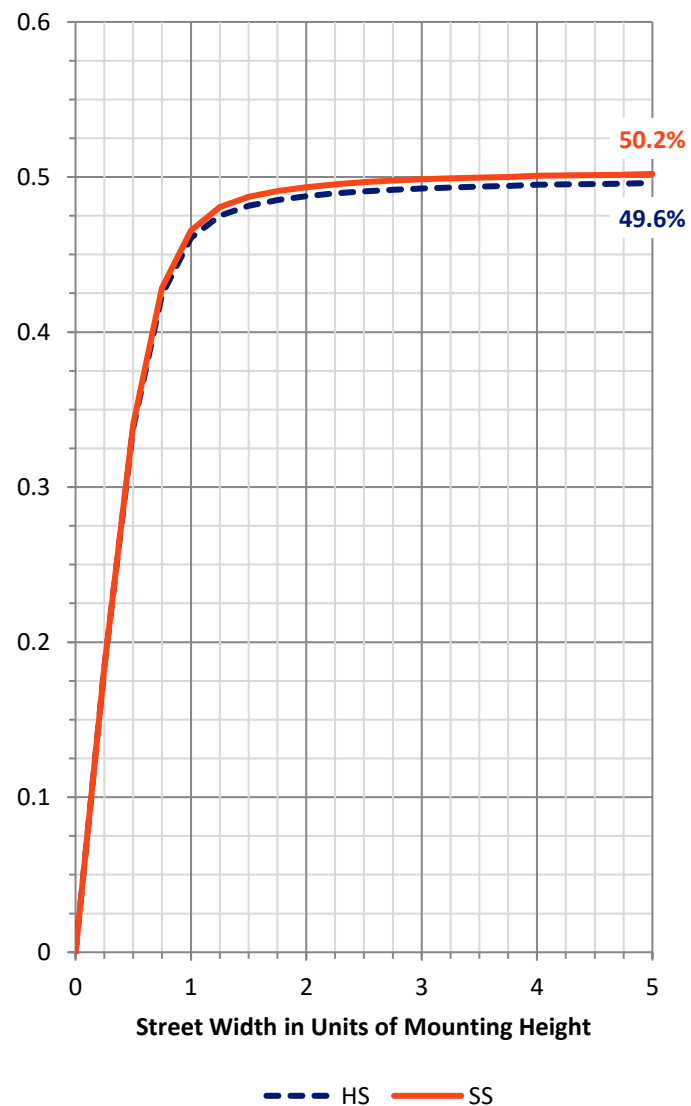
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4448.5	0.0	4448.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4448.5	0.0	4448.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8897.0	0.0	8897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	1.8
10°-20°	502.4	5.6
20°-30°	840.9	9.5
30°-40°	1139.2	12.8
40°-50°	1443.0	16.2
50°-60°	1802.7	20.3
60°-70°	2119.0	23.8
70°-80°	810.6	9.1
80°-90°	82.1	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°	8897.0	100.0
0°-180°	8897.0	100.0

Coefficient of Utilization



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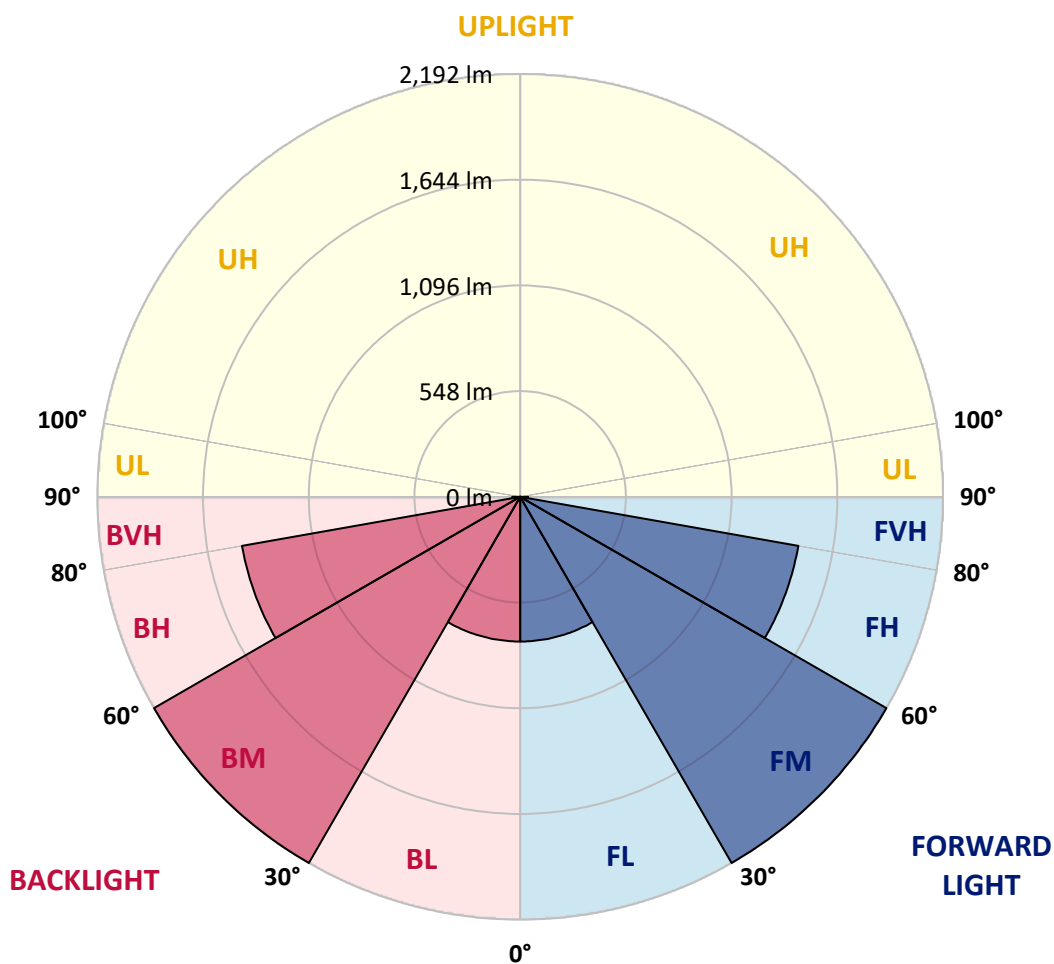
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	750.2	8.4			
FM	(30°-60°)	2192.5	24.6			
FH	(60°-80°)	1464.8	16.5			G1/1800
FVH	(80°-90°)	41.1	0.5			G1/100
BL	(0°-30°)	750.2	8.4	B2/1000		
BM	(30°-60°)	2192.5	24.6	B2/2500		
BH	(60°-80°)	1464.8	16.5	B3/2500		G3/2500
BVH	(80°-90°)	41.1	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°	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0
2.5°	1595.2	1594.3	1594.8	1594.3	1595.7	1594.8	1588.8	1583.9	1580.0	1580.5	1579.0
5°	1629.2	1629.7	1630.2	1627.8	1631.2	1629.2	1619.9	1612.0	1604.1	1601.2	1600.2
7.5°	1657.3	1659.8	1661.3	1663.7	1669.6	1669.6	1664.7	1653.4	1636.1	1626.3	1625.8
10°	1685.4	1687.4	1691.8	1699.7	1709.5	1718.9	1716.9	1701.7	1679.5	1662.7	1658.8
12.5°	1695.3	1697.7	1712.5	1735.2	1757.3	1775.6	1775.6	1763.2	1734.7	1709.1	1701.7
15°	1660.8	1665.2	1691.8	1740.1	1798.2	1838.1	1847.0	1829.8	1799.2	1759.8	1750.9
17.5°	1592.3	1603.1	1642.0	1713.5	1810.0	1892.8	1918.4	1910.1	1870.6	1820.4	1810.0
20°	1518.9	1530.7	1572.1	1666.7	1800.2	1924.8	1999.2	2001.2	1952.4	1879.5	1864.2
22.5°	1438.1	1447.0	1500.2	1611.0	1770.6	1932.2	2068.7	2102.7	2036.7	1938.6	1917.0
25°	1347.4	1357.3	1413.0	1532.7	1715.0	1923.9	2132.2	2207.1	2124.9	2001.7	1974.1
27.5°	1260.7	1264.7	1324.3	1446.0	1641.6	1902.2	2179.1	2303.2	2222.4	2053.9	2018.9
30°	1177.5	1186.8	1239.5	1359.8	1557.3	1859.8	2219.5	2412.6	2327.3	2108.6	2063.8
32.5°	1089.3	1100.6	1157.8	1279.4	1473.1	1796.3	2244.1	2532.3	2473.7	2197.3	2149.5
35°	1004.5	1011.9	1069.6	1187.8	1390.8	1722.4	2248.5	2667.3	2662.4	2331.8	2268.2
37.5°	917.8	928.7	986.8	1100.1	1303.6	1644.0	2226.3	2810.6	2890.0	2518.5	2450.0
40°	834.6	843.9	901.1	1015.4	1204.6	1548.4	2173.6	2941.7	3155.5	2710.6	2613.6
42.5°	743.9	746.4	809.0	925.2	1107.5	1437.6	2097.8	3058.5	3451.6	2968.3	2847.6
45°	641.0	647.4	705.5	819.8	996.2	1313.4	1994.8	3155.0	3827.0	3325.5	3160.9
47.5°	538.0	543.4	596.6	709.4	874.5	1171.1	1836.2	3239.8	4212.3	3779.2	3563.4
50°	437.5	440.4	483.8	583.8	737.5	1021.3	1639.6	3266.9	4647.8	4421.7	4146.3
52.5°	345.8	350.3	383.3	461.6	591.2	844.4	1427.2	3199.9	5156.2	5183.3	4795.1
55°	280.3	281.8	306.4	364.1	462.1	659.2	1171.1	3013.1	5703.1	6159.3	5664.2
57.5°	241.4	242.4	256.2	288.2	355.7	497.1	908.5	2659.9	6194.3	7302.8	6666.2
60°	219.2	219.7	227.6	246.3	281.8	381.3	650.8	2161.3	6679.0	8575.3	7911.7
62.5°	205.4	205.4	210.9	221.2	238.4	292.6	471.5	1559.3	7011.1	9866.6	9446.8
65°	192.1	192.1	196.1	203.5	212.8	239.4	348.3	1016.9	7002.7	10807.1	10990.8
67.5°	176.9	176.9	179.8	187.2	192.6	205.9	269.0	666.1	6290.3	10786.4	11833.3
70°	158.6	158.6	162.6	169.0	173.4	181.8	212.3	455.7	4621.2	9209.9	10523.8
72.5°	140.4	140.9	143.4	149.8	153.2	158.1	176.4	319.2	2834.8	6271.1	7358.4
75°	120.2	121.2	123.7	130.1	133.0	135.0	148.8	227.6	1434.1	3381.2	3849.7
77.5°	97.1	99.0	100.5	107.4	109.4	112.3	122.7	164.5	629.6	1214.9	1225.7
80°	70.9	73.4	77.8	84.2	85.7	87.7	93.6	116.8	285.3	554.7	602.5
82.5°	52.2	55.7	50.3	58.6	58.6	56.2	66.0	78.3	131.0	549.3	657.2
85°	28.6	29.1	26.1	30.1	32.0	31.5	35.0	38.4	63.6	366.5	377.9
87.5°	6.9	7.4	7.9	9.4	11.3	11.3	12.3	10.8	20.7	118.7	68.0
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)