

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: INVUE

Report Number: P672761

Luminaire Tested: **CCP-SA-2D-840-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672761
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-840-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9895.1 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

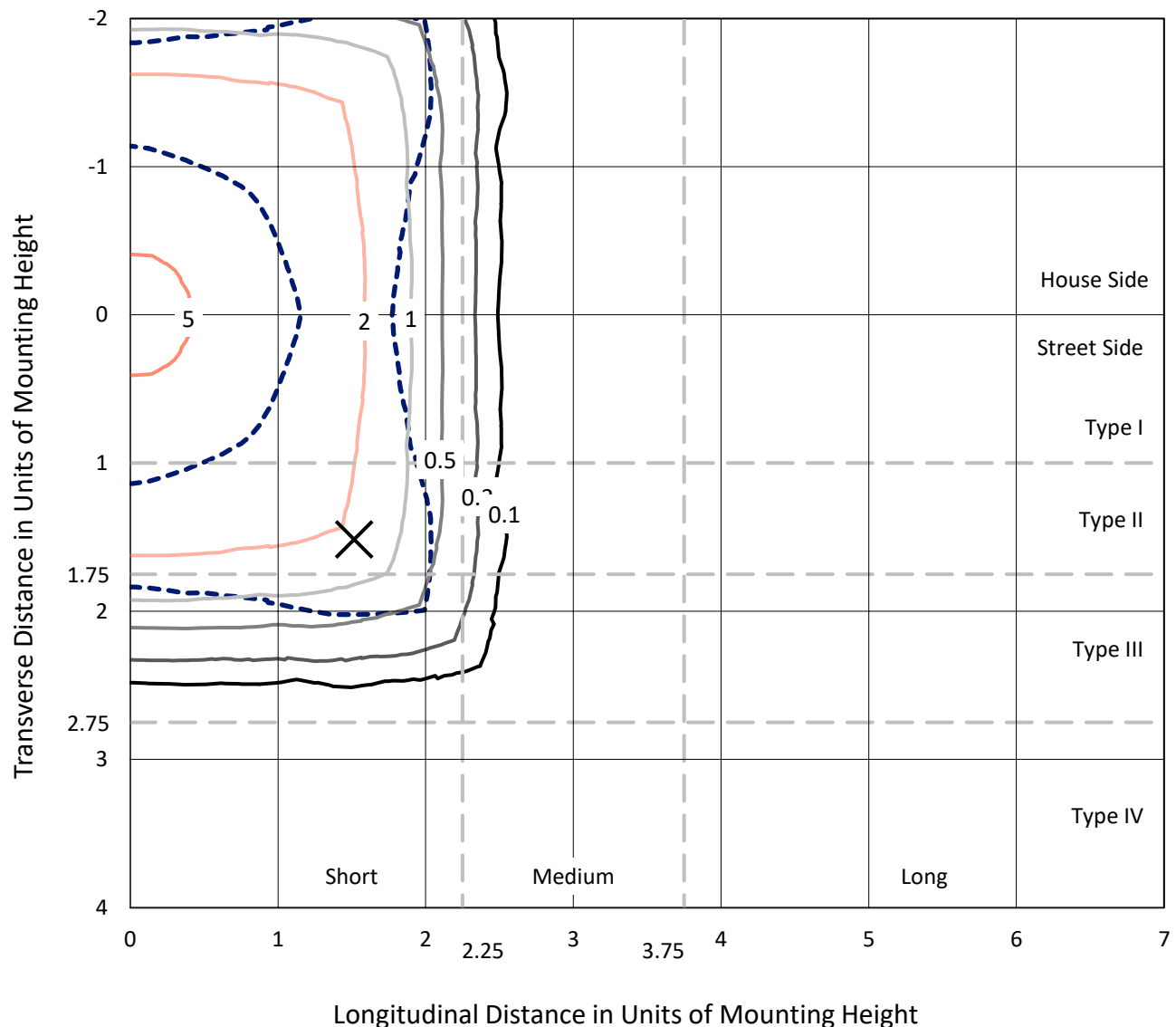
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P672761

CATALOG NUMBER: CCP-SA-2D-840-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

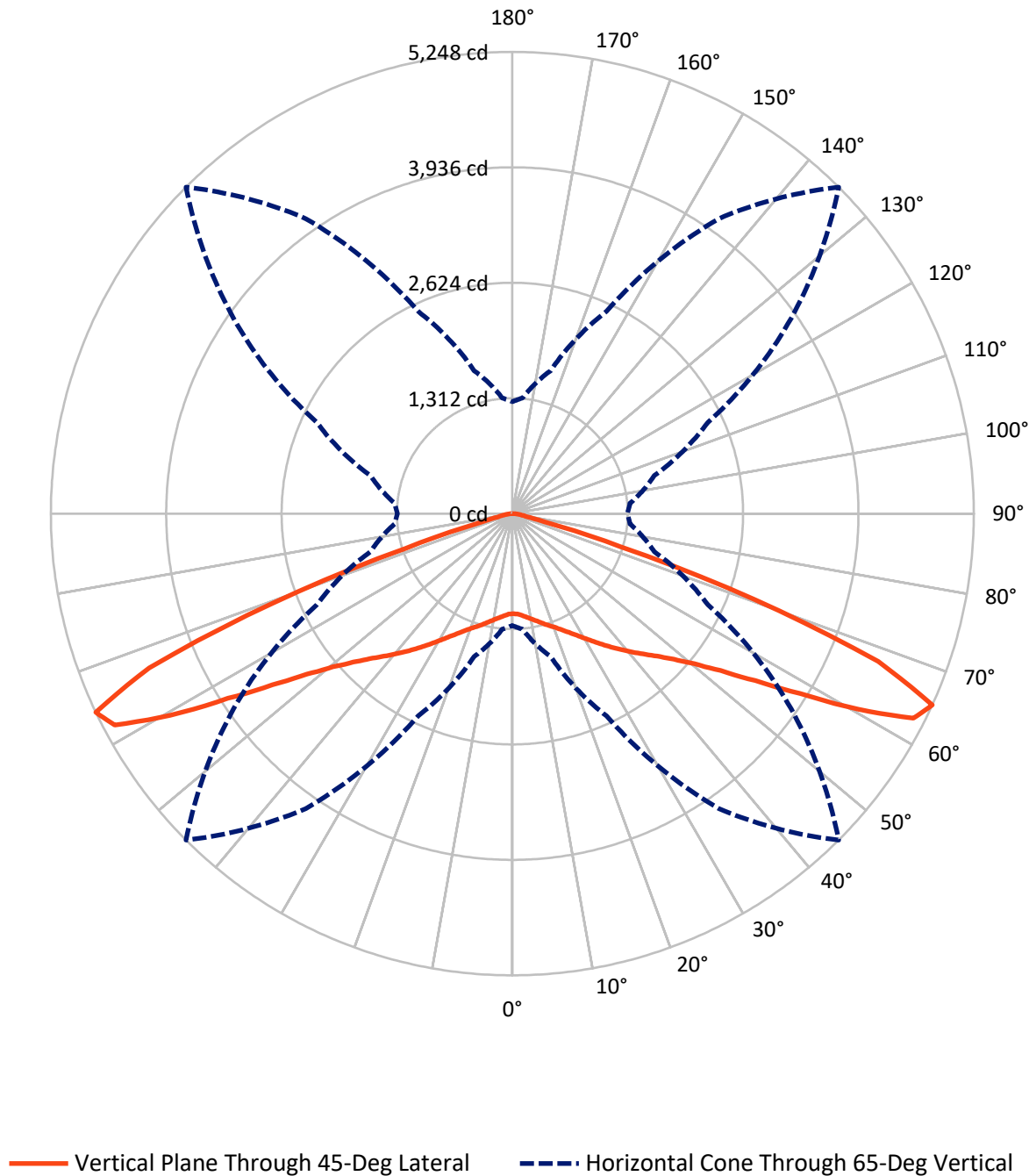
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

REPORT NUMBER: P672761
CATALOG NUMBER: CCP-SA-2D-840-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P672761

CATALOG NUMBER: CCP-SA-2D-840-U-5NQ

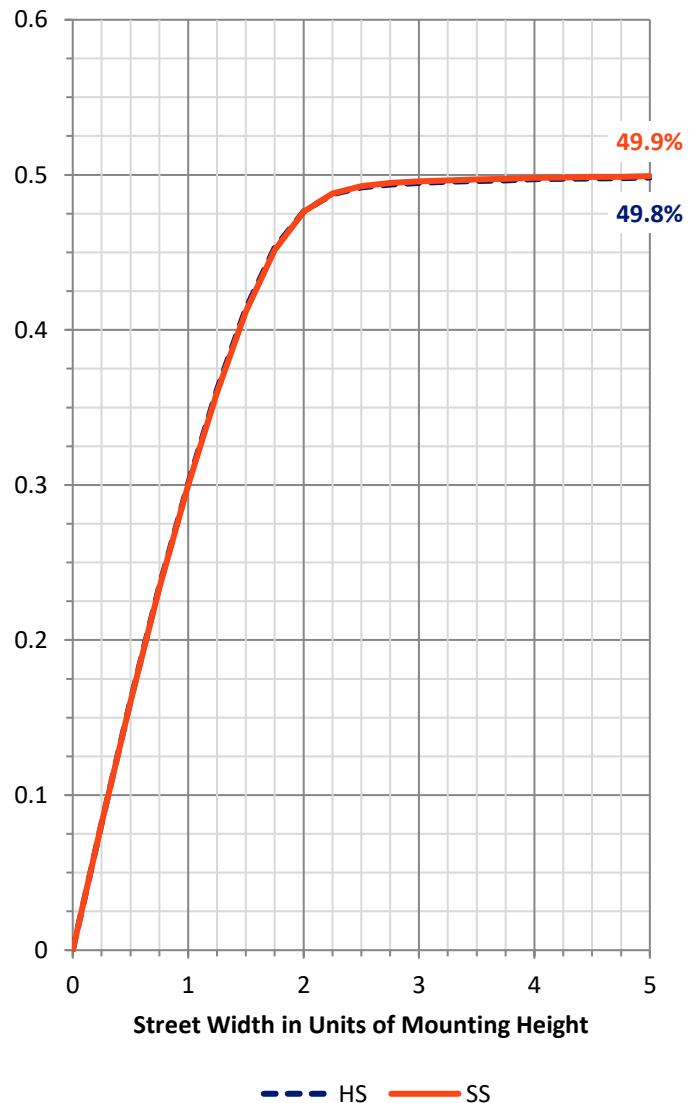
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4947.5	0.0	4947.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4947.5	0.0	4947.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9895.1	0.0	9895.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	1.1
10°-20°	367.9	3.7
20°-30°	697.7	7.1
30°-40°	1170.1	11.8
40°-50°	1851.5	18.7
50°-60°	2908.8	29.4
60°-70°	2457.7	24.8
70°-80°	286.2	2.9
80°-90°	42.6	0.4
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°	9895.1	100.0
0°-180°	9895.1	100.0

Coefficient of Utilization



REPORT NUMBER: P672761

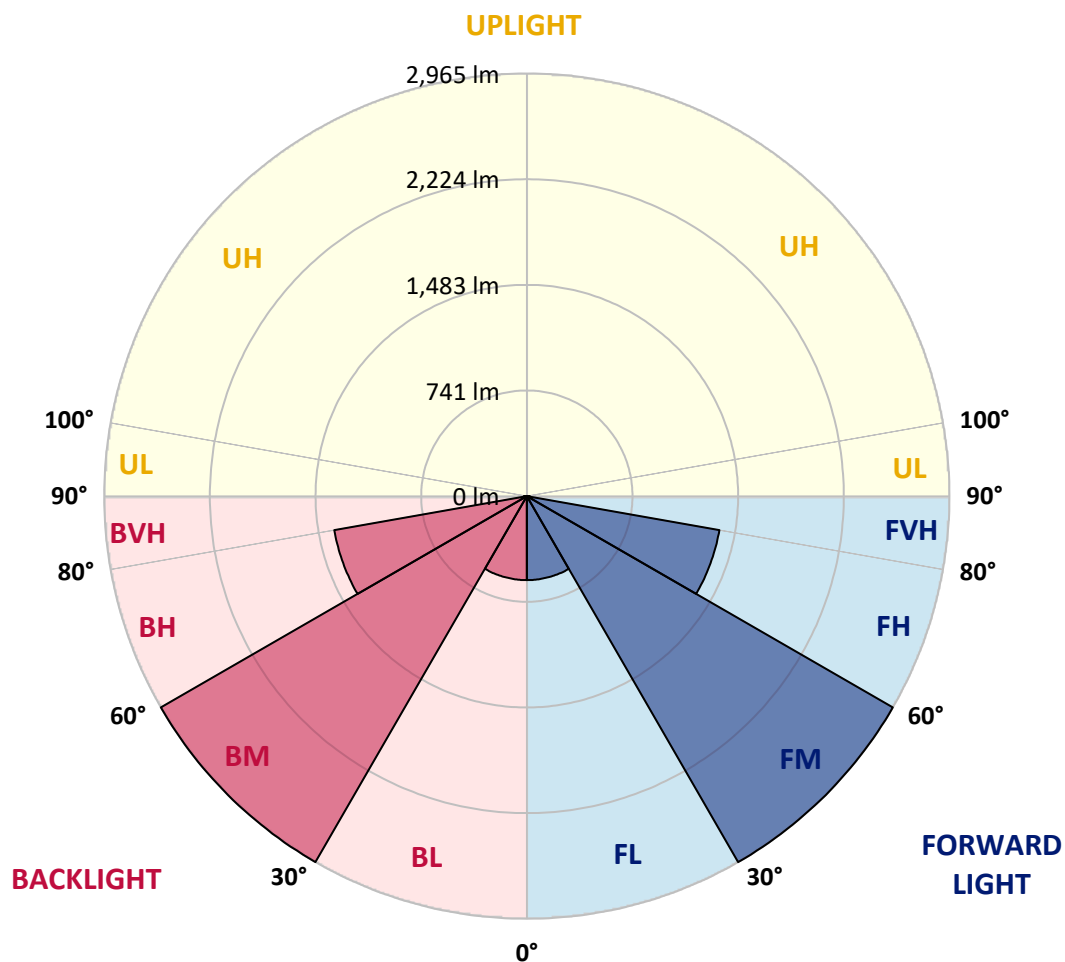
CATALOG NUMBER: CCP-SA-2D-840-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	589.1	6.0			
FM	(30°-60°)	2965.2	30.0			
FH	(60°-80°)	1371.9	13.9			G1/1800
FVH	(80°-90°)	21.3	0.2			G1/100
BL	(0°-30°)	589.1	6.0	B2/1000		
BM	(30°-60°)	2965.2	30.0	B3/5000		
BH	(60°-80°)	1371.9	13.9	B3/2500		G1/1800
BVH	(80°-90°)	21.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P672761

CATALOG NUMBER: CCP-SA-2D-840-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1137.8	1137.8	1137.8	1137.8	1137.8	1137.8	1137.8	1137.8	1137.8	1137.8	1137.8
2.5°	1144.0	1140.5	1144.0	1144.0	1141.9	1142.6	1139.9	1139.2	1142.6	1139.9	1139.2
5°	1167.7	1164.9	1167.7	1165.6	1162.1	1162.8	1158.6	1157.2	1161.4	1157.2	1157.9
7.5°	1194.8	1189.9	1191.3	1193.4	1189.9	1189.9	1186.4	1184.4	1186.4	1182.3	1185.1
10°	1217.7	1213.6	1215.7	1218.4	1217.7	1219.8	1216.4	1215.0	1212.9	1208.0	1212.2
12.5°	1247.6	1246.3	1249.0	1252.5	1251.1	1253.9	1246.3	1244.2	1243.5	1237.9	1242.8
15°	1286.6	1283.1	1288.0	1292.2	1290.1	1294.9	1288.7	1285.9	1282.4	1275.5	1279.6
17.5°	1325.5	1322.8	1329.7	1331.8	1332.5	1336.7	1331.8	1327.6	1326.2	1321.4	1318.6
20°	1372.1	1368.7	1374.2	1378.4	1374.9	1379.8	1377.7	1374.9	1373.5	1365.9	1365.2
22.5°	1424.3	1419.4	1427.8	1432.6	1427.8	1432.6	1428.5	1427.8	1428.5	1417.3	1418.7
25°	1482.7	1483.4	1491.8	1495.2	1492.4	1495.2	1489.0	1493.1	1491.1	1479.2	1475.1
27.5°	1557.8	1555.0	1564.1	1574.5	1567.6	1567.6	1564.8	1568.9	1568.3	1557.1	1554.3
30°	1645.4	1644.8	1658.0	1664.2	1654.5	1650.3	1649.6	1660.1	1660.7	1648.9	1644.1
32.5°	1737.2	1737.2	1753.2	1760.9	1747.0	1744.2	1741.4	1755.3	1753.2	1737.2	1726.8
35°	1838.1	1833.9	1855.5	1866.6	1852.7	1844.3	1843.0	1855.5	1852.7	1830.4	1817.9
37.5°	1937.5	1940.3	1965.4	1977.9	1961.2	1950.8	1954.2	1962.6	1963.3	1938.9	1925.7
40°	2059.2	2059.9	2091.2	2101.0	2079.4	2063.4	2068.3	2087.1	2085.7	2055.8	2039.1
42.5°	2195.6	2192.8	2231.7	2240.1	2210.9	2180.3	2194.9	2224.1	2231.0	2197.6	2180.3
45°	2341.6	2345.8	2386.1	2395.1	2349.2	2310.3	2341.6	2385.4	2394.5	2358.3	2336.7
47.5°	2518.9	2523.8	2572.5	2576.0	2523.8	2473.0	2514.8	2571.8	2575.3	2525.2	2500.2
50°	2721.3	2738.0	2792.3	2799.2	2747.7	2682.4	2742.2	2792.9	2779.7	2713.0	2690.0
52.5°	2950.8	2964.0	3048.9	3078.1	3032.9	2962.6	3010.6	3041.9	2999.5	2911.9	2876.4
55°	3146.2	3168.5	3281.2	3370.2	3404.3	3351.4	3345.8	3299.9	3181.7	3048.2	3011.3
57.5°	3201.2	3222.7	3397.3	3626.8	3829.2	3855.6	3733.2	3503.0	3248.5	3042.6	3005.1
60°	2977.9	3007.1	3262.4	3697.0	4277.7	4517.0	4074.7	3520.4	3075.3	2799.2	2751.9
62.5°	2338.8	2393.1	2722.7	3404.3	4458.6	5119.2	4215.2	3220.7	2553.0	2226.8	2164.3
65°	1272.0	1318.6	1682.3	2537.0	4092.1	5247.9	3870.9	2452.2	1669.8	1342.2	1308.2
67.5°	477.1	511.2	678.1	1253.9	2893.1	4486.4	2938.3	1404.1	758.0	543.8	495.9
70°	203.1	207.2	245.5	436.7	1315.1	2918.8	1504.3	477.1	253.1	204.5	198.9
72.5°	146.0	146.7	157.2	193.3	400.6	1280.3	454.8	200.3	154.4	139.1	139.1
75°	116.8	117.5	123.8	139.8	189.2	376.9	196.1	140.5	119.6	109.2	107.8
77.5°	91.8	93.2	99.5	109.2	126.6	172.5	132.8	110.6	96.0	86.2	84.8
80°	68.2	70.2	78.6	83.5	89.0	114.8	96.7	86.2	76.5	66.1	64.0
82.5°	45.2	47.3	58.4	61.9	61.2	72.3	66.8	66.1	58.4	43.8	41.7
85°	27.1	28.5	37.6	40.3	37.6	35.5	42.4	45.9	41.0	28.5	26.4
87.5°	11.8	11.8	16.7	17.4	16.7	13.2	20.2	23.6	24.3	14.6	13.2
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)