

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: P198178

Luminaire Tested: **TT-C3-LED-E1-T4-PM-MS/DIM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198178  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34704)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C3-LED-E1-T4-PM-MS/DIM  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
DRIVE LANE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (160) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5248.5 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

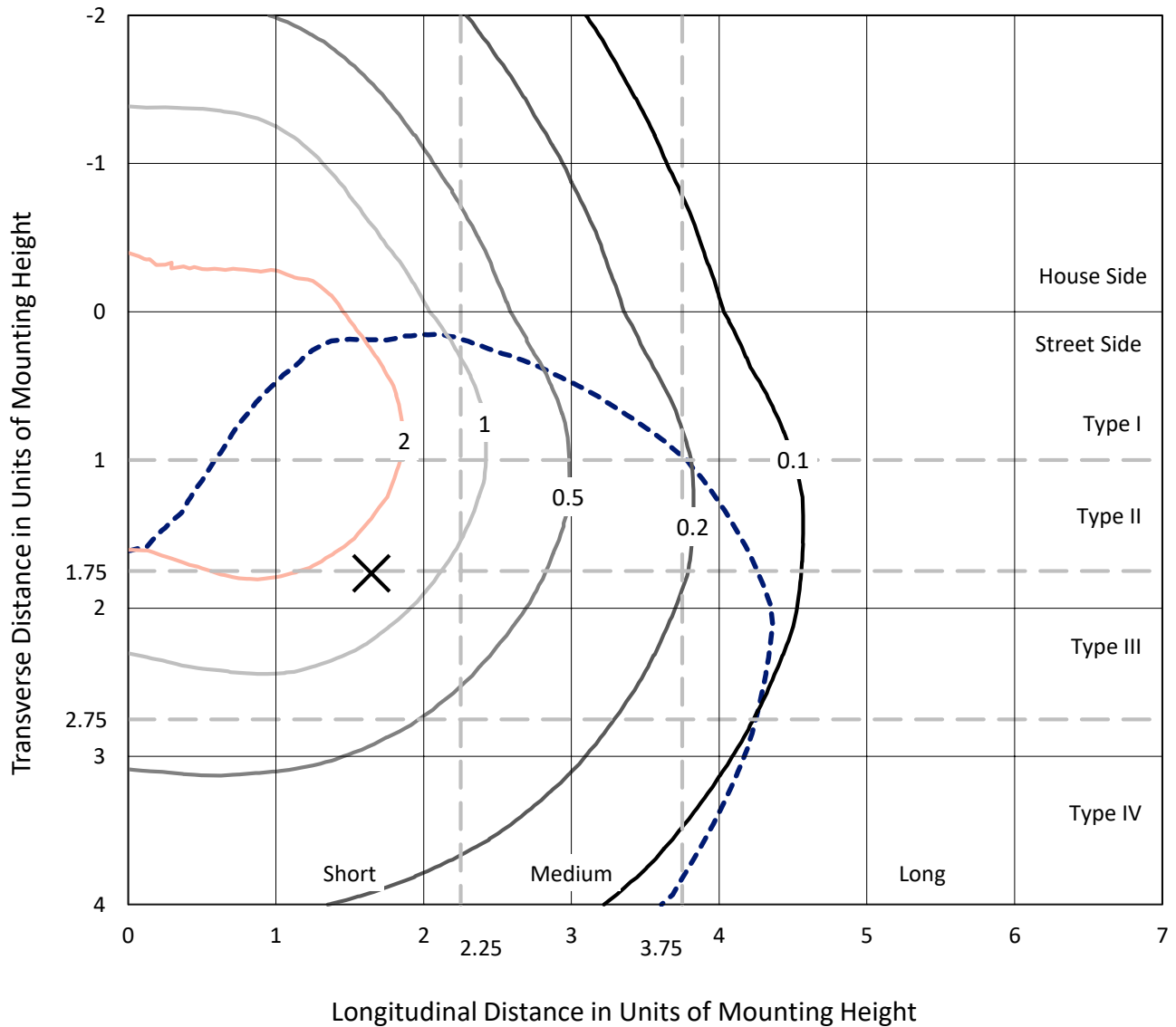
Input Watts (W): 66.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

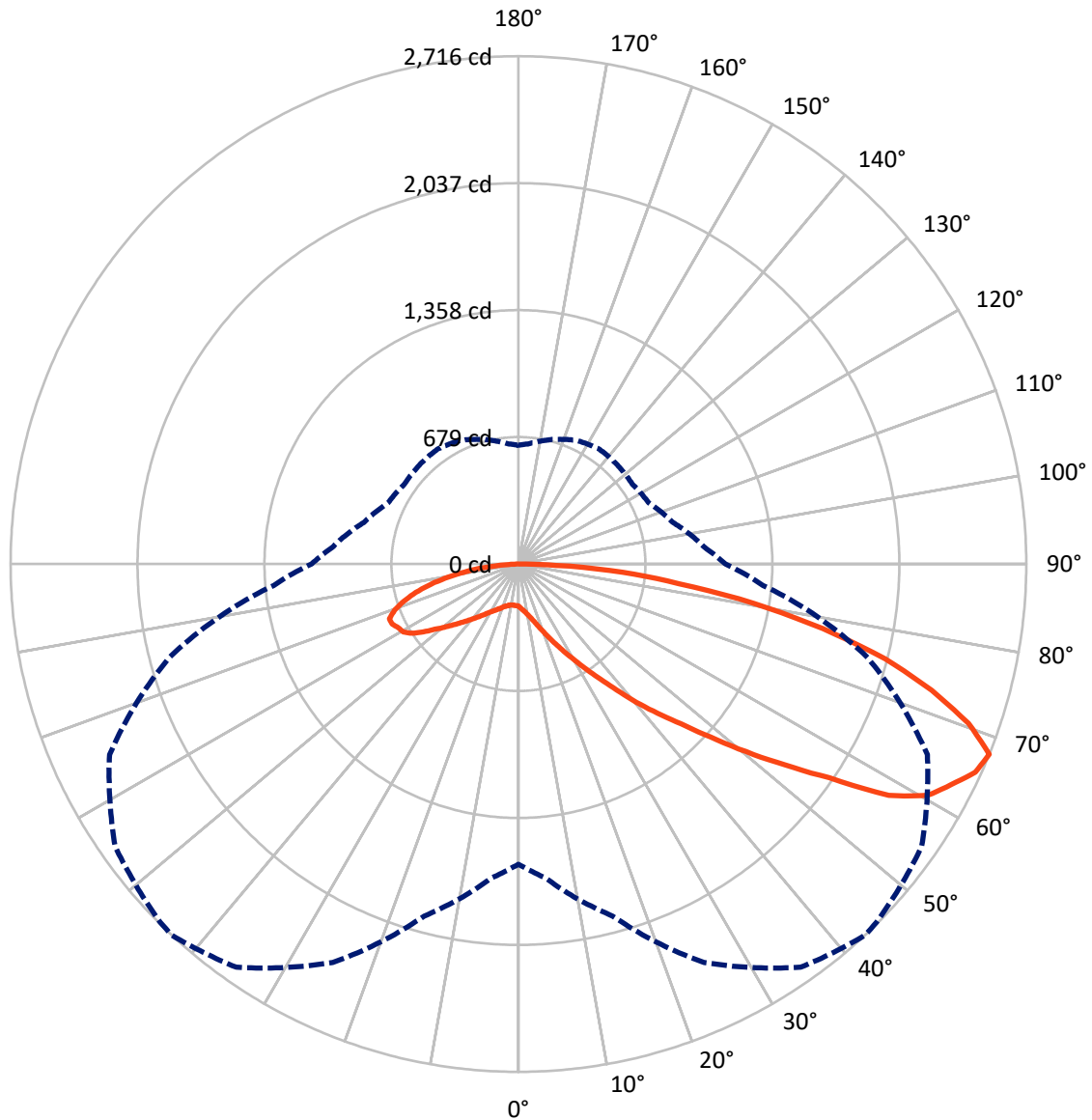
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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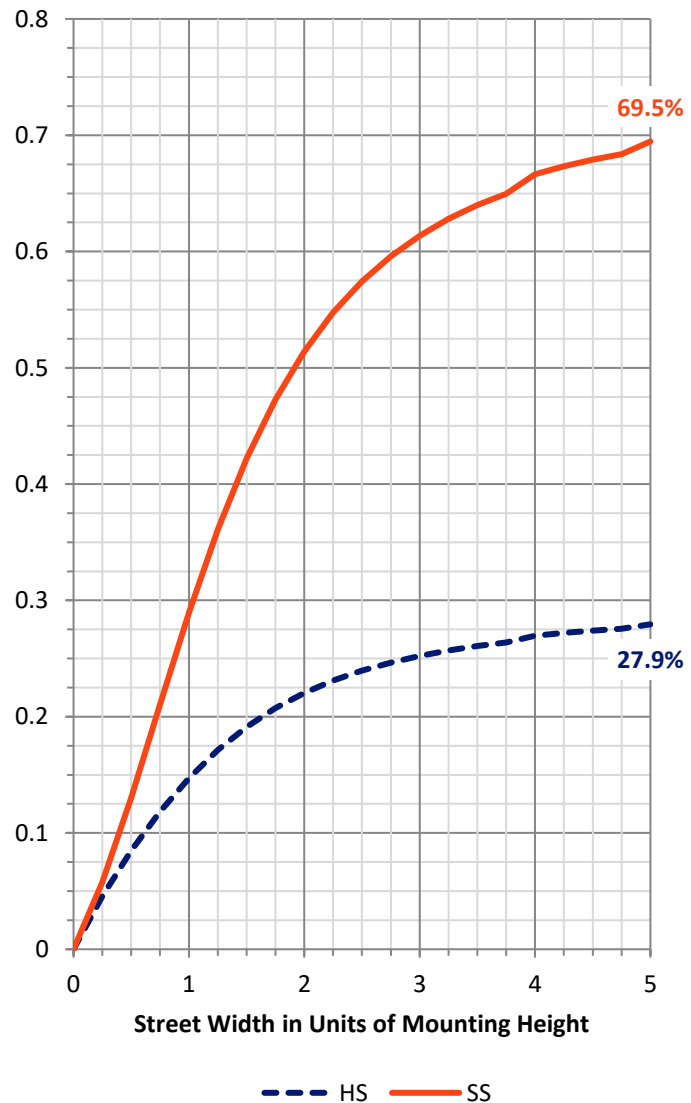
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1498.2	0.0	1498.2
	% Fixture	28.5	0.0	28.5
<b>Street Side</b>	Lumens	3750.3	0.0	3750.3
	% Fixture	71.5	0.0	71.5
<b>Total</b>	Lumens	5248.5	0.0	5248.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.8	0.4
10°-20°	79.5	1.5
20°-30°	172.3	3.3
30°-40°	332.7	6.3
40°-50°	610.8	11.6
50°-60°	1055.0	20.1
60°-70°	1426.6	27.2
70°-80°	1194.7	22.8
80°-90°	354.2	6.7
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°	5248.5	100.0
0°-180°	5248.5	100.0



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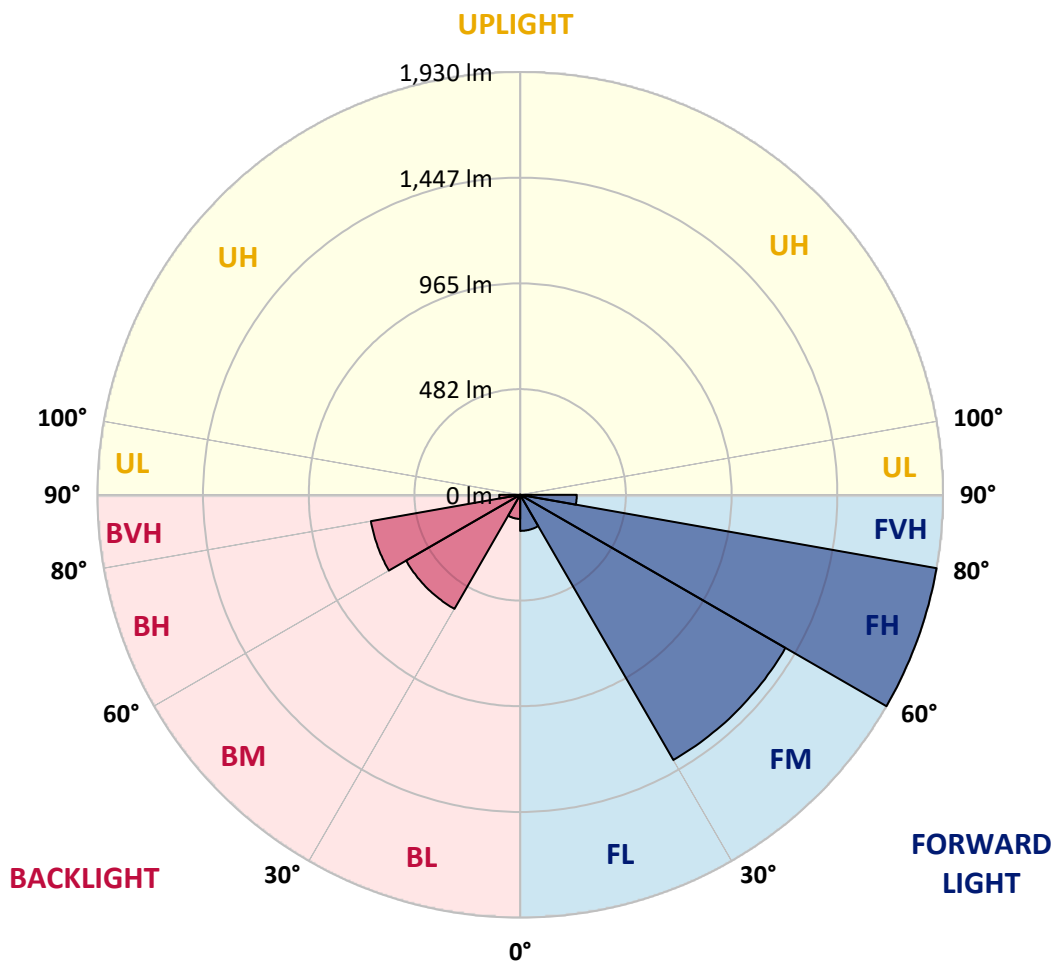
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.8	3.1			
FM (30°-60°)	1397.5	26.6			
FH (60°-80°)	1929.7	36.8			G2/5000
FVH (80°-90°)	258.3	4.9			G3/500
BL (0°-30°)	109.8	2.1	B0/110		
BM (30°-60°)	601.0	11.5	B1/1000		
BH (60°-80°)	691.5	13.2	B2/1000		G2/1000
BVH (80°-90°)	95.9	1.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	226	226	226	226	226	226	226	226	226	226	226
2.5°	239	239	238	238	237	236	235	235	233	232	231
5°	252	252	252	250	248	247	247	244	241	238	235
7.5°	268	267	267	265	262	259	258	256	251	247	241
10°	286	286	286	282	279	276	274	270	264	257	251
12.5°	308	308	309	304	301	295	294	288	280	270	261
15°	333	337	334	334	324	321	319	312	301	288	276
17.5°	369	368	364	365	358	353	348	336	324	306	290
20°	410	408	403	401	397	388	386	370	351	332	311
22.5°	450	451	449	445	441	434	430	413	386	361	330
25°	490	494	494	497	490	481	478	458	428	390	357
27.5°	540	541	544	548	546	538	532	510	473	431	387
30°	590	594	596	604	606	600	594	569	531	476	420
32.5°	644	650	654	665	678	674	672	643	598	534	465
35°	705	706	719	744	755	757	752	732	677	601	515
37.5°	763	768	790	822	841	854	856	837	776	680	570
40°	827	830	866	900	951	972	967	947	881	771	635
42.5°	893	903	937	993	1056	1091	1100	1076	1010	879	719
45°	957	973	1010	1083	1177	1219	1228	1240	1178	1014	831
47.5°	1027	1036	1092	1189	1292	1382	1408	1417	1322	1141	910
50°	1100	1102	1180	1312	1473	1577	1579	1625	1504	1302	1007
52.5°	1178	1180	1272	1442	1654	1784	1810	1825	1763	1511	1186
55°	1255	1260	1374	1618	1881	2018	2079	2144	1997	1673	1251
57.5°	1336	1346	1513	1810	2131	2336	2367	2377	2147	1738	1271
60°	1410	1432	1658	1996	2342	2514	2518	2460	2204	1776	1272
62.5°	1487	1515	1791	2174	2504	2598	2608	2515	2304	1903	1360
65°	1545	1597	1891	2299	2568	2685	2703	2677	2461	1989	1390
67.5°	1605	1687	1949	2351	2632	2716	2709	2633	2413	1933	1314
70°	1681	1741	1994	2333	2540	2553	2553	2459	2261	1821	1221
72.5°	1711	1758	1944	2189	2315	2311	2293	2241	2054	1649	1083
75°	1679	1685	1771	1920	2015	2025	2004	1931	1784	1430	927
77.5°	1506	1492	1512	1586	1670	1663	1660	1577	1463	1180	761
80°	1186	1194	1195	1209	1260	1278	1259	1196	1119	918	589
82.5°	815	828	840	822	844	864	861	801	776	644	407
85°	439	470	477	487	536	560	551	506	471	398	246
87.5°	89	73	104	148	187	202	227	171	136	100	56
90°	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°	226	226	226	226	226	226	226	226	226	226	226
2.5°	230	229	228	226	224	223	222	221	221	221	221
5°	234	233	230	228	225	223	221	220	218	217	218
7.5°	239	237	232	228	225	222	220	219	218	216	216
10°	247	244	237	231	227	223	220	219	218	217	217
12.5°	258	252	244	237	230	225	223	221	220	220	220
15°	269	264	253	242	235	231	228	225	225	225	225
17.5°	284	275	262	250	242	236	234	232	232	233	233
20°	300	290	274	261	251	244	242	241	241	242	242
22.5°	318	306	286	271	261	256	252	252	252	253	254
25°	342	325	301	284	272	266	264	264	264	266	266
27.5°	367	349	318	297	285	279	276	277	278	279	279
30°	396	375	337	315	300	293	290	291	292	294	292
32.5°	432	406	363	334	317	310	308	309	309	309	310
35°	480	447	394	357	340	330	328	328	328	327	327
37.5°	527	485	425	388	366	354	348	348	348	348	348
40°	582	533	465	421	395	380	372	369	368	367	365
42.5°	653	597	511	457	426	410	398	392	388	387	384
45°	748	679	580	510	465	443	429	417	410	408	403
47.5°	818	738	628	556	509	481	460	444	434	429	426
50°	891	816	695	606	558	526	499	477	459	452	451
52.5°	1051	951	787	677	608	572	544	518	490	478	481
55°	1101	997	844	746	675	633	593	559	527	506	507
57.5°	1107	1001	856	769	721	687	652	605	566	537	536
60°	1099	994	853	766	730	720	698	657	601	567	563
62.5°	1162	1050	885	777	732	728	721	697	640	596	589
65°	1174	1057	902	806	764	749	741	713	676	620	615
67.5°	1106	1001	856	770	744	749	751	730	689	645	635
70°	1025	920	795	712	694	704	723	723	693	656	657
72.5°	904	819	705	645	627	640	662	679	671	658	659
75°	774	700	606	562	549	565	587	607	619	628	634
77.5°	637	582	503	461	461	476	497	515	535	558	562
80°	490	446	388	359	362	374	396	412	424	444	447
82.5°	346	320	271	250	255	271	281	292	301	306	312
85°	204	184	162	155	155	161	174	176	177	178	177
87.5°	51	56	48	47	47	51	49	53	53	55	51
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)