

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge
or Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 765935

Luminaire Tested: **ANE15SXX33**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 765935
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ANE15SXX33
Description: 150W HPS TYPE III POST TOP ACORN
Light Source: 150W HPS CL ED-23.5
Ballast/Driver: -

Summary

Lumens per Lamp: 16000 (1 lamp)
Luminaire Lumens: 13696.3 lumens
Efficiency: 85.6%
Efficacy: 91.3 lumens/watt
Luminous Opening: (L: 0 ' x W: -1.25 ' x H: 2 '
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B3 - U5 - G5

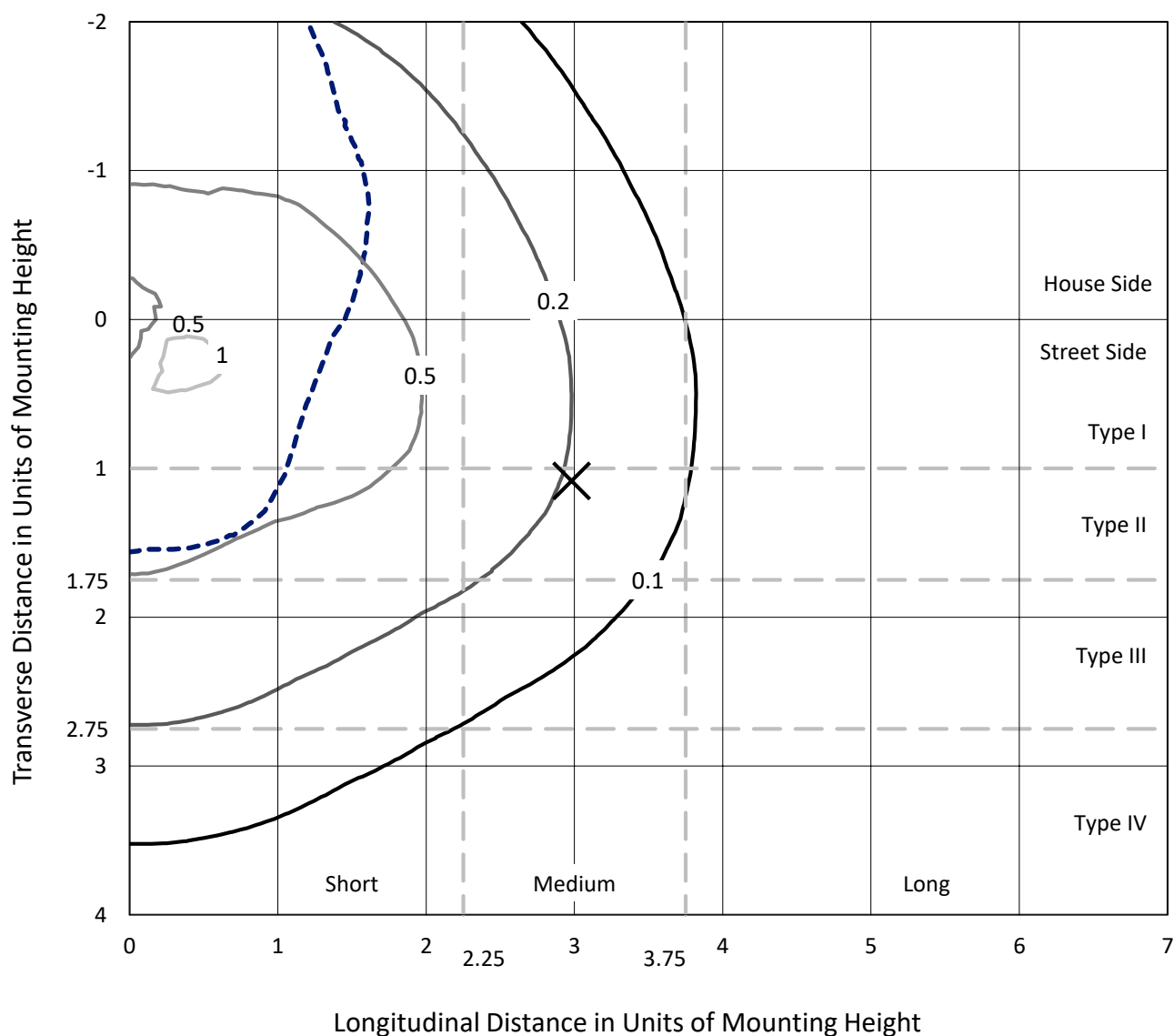
Input Watts (W): 150
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: 765935
CATALOG NUMBER: ANE15SXX33

Iso-Footcandle Lines of Horizontal Illumination

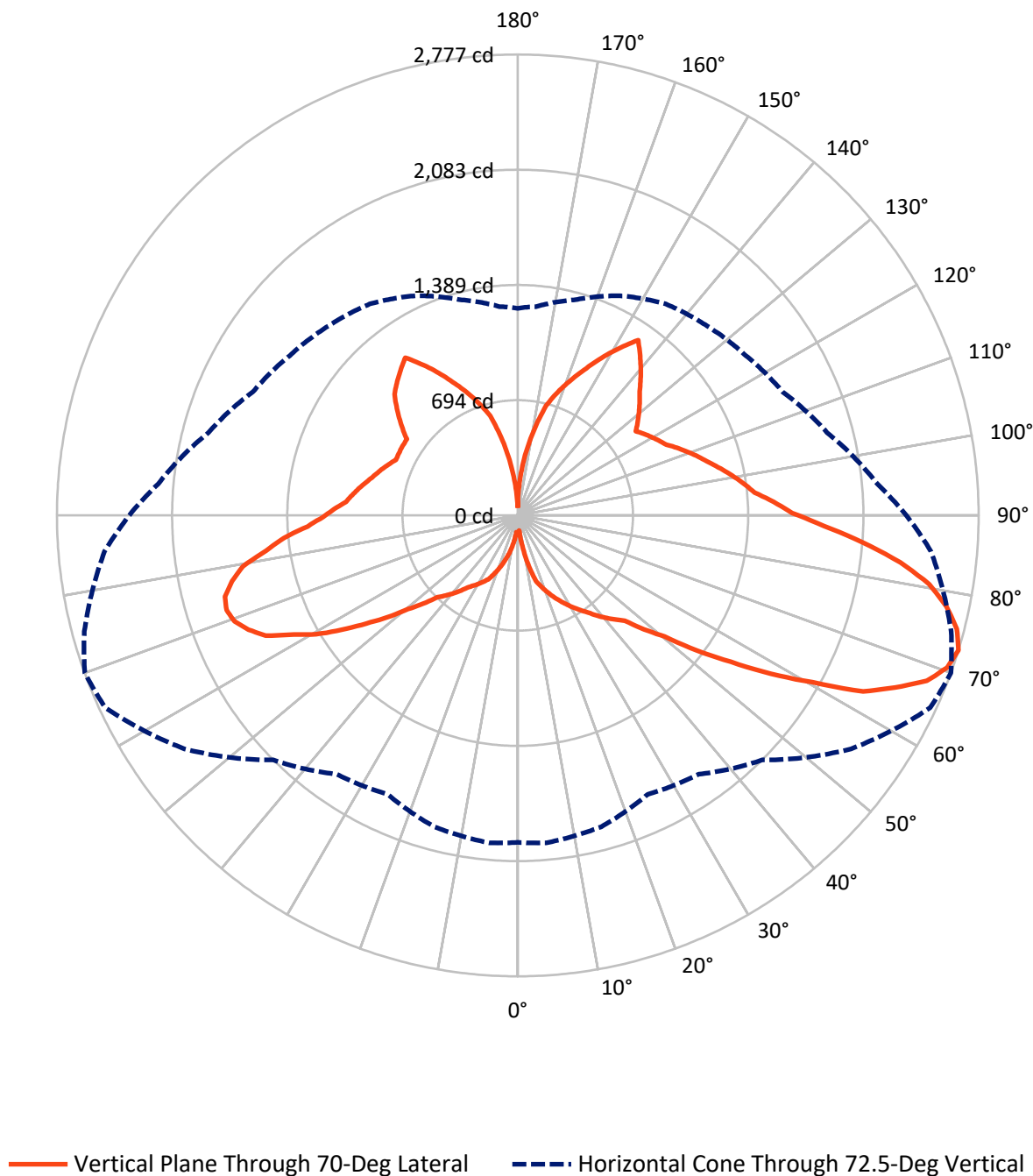
× Max cd
- - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Medium - Non-Cutoff

REPORT NUMBER: 765935
CATALOG NUMBER: ANE15SXX33

Luminous Intensity Polar Plot



REPORT NUMBER: 765935

CATALOG NUMBER: ANE15SXX33

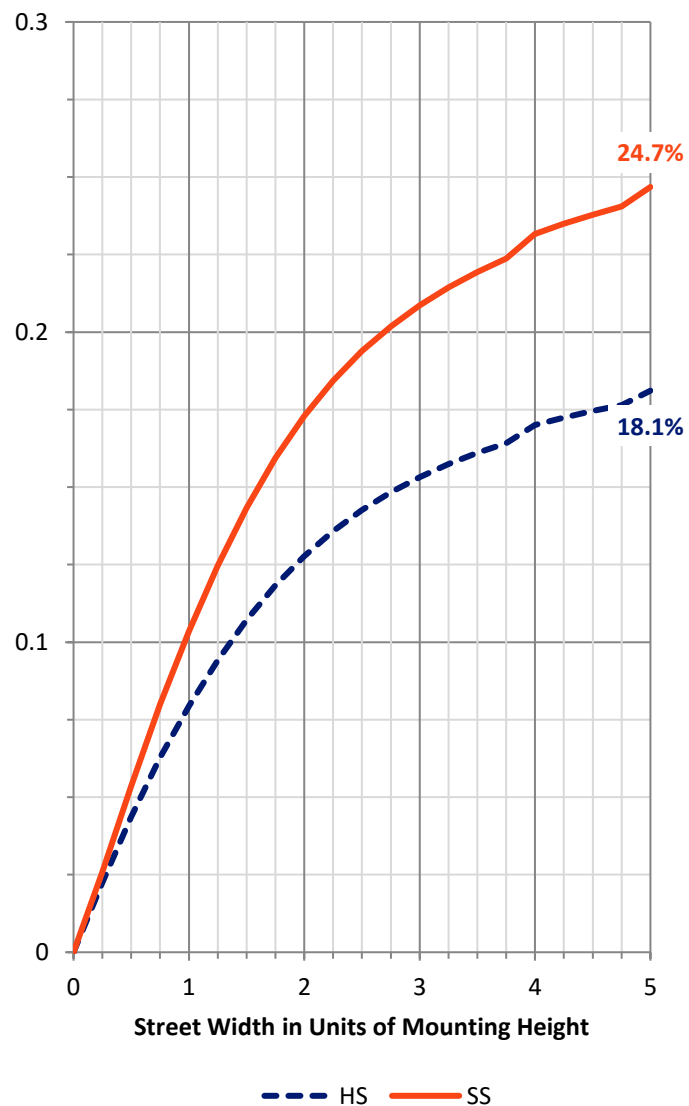
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3256.6	2836.6	6093.2
	% Lamp	20.4	17.7	38.1
Street Side	Lumens	4456.0	3147.2	7603.1
	% Lamp	27.8	19.7	47.5
Total	Lumens	7712.6	5983.7	13696.3
	% Lamp	48.2	37.4	85.6

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	13.5	0.1	0.1
10°-20°	83.8	0.6	0.5
20°-30°	212.5	1.6	1.3
30°-40°	369.0	2.7	2.3
40°-50°	597.7	4.4	3.7
50°-60°	1060.7	7.7	6.6
60°-70°	1727.4	12.6	10.8
70°-80°	2005.8	14.6	12.5
80°-90°	1662.6	12.1	10.4
90°-100°	1238.3	9.0	7.7
100°-110°	1016.0	7.4	6.3
110°-120°	843.7	6.2	5.3
120°-130°	770.6	5.6	4.8
130°-140°	789.1	5.8	4.9
140°-150°	695.3	5.1	4.3
150°-160°	431.4	3.1	2.7
160°-170°	174.6	1.3	1.1
170°-180°	23.6	0.2	0.1
0°-90°	7712.6	56.3	48.2
0°-180°	13696.3	100.0	85.6

Coefficient of Utilization



REPORT NUMBER: 765935

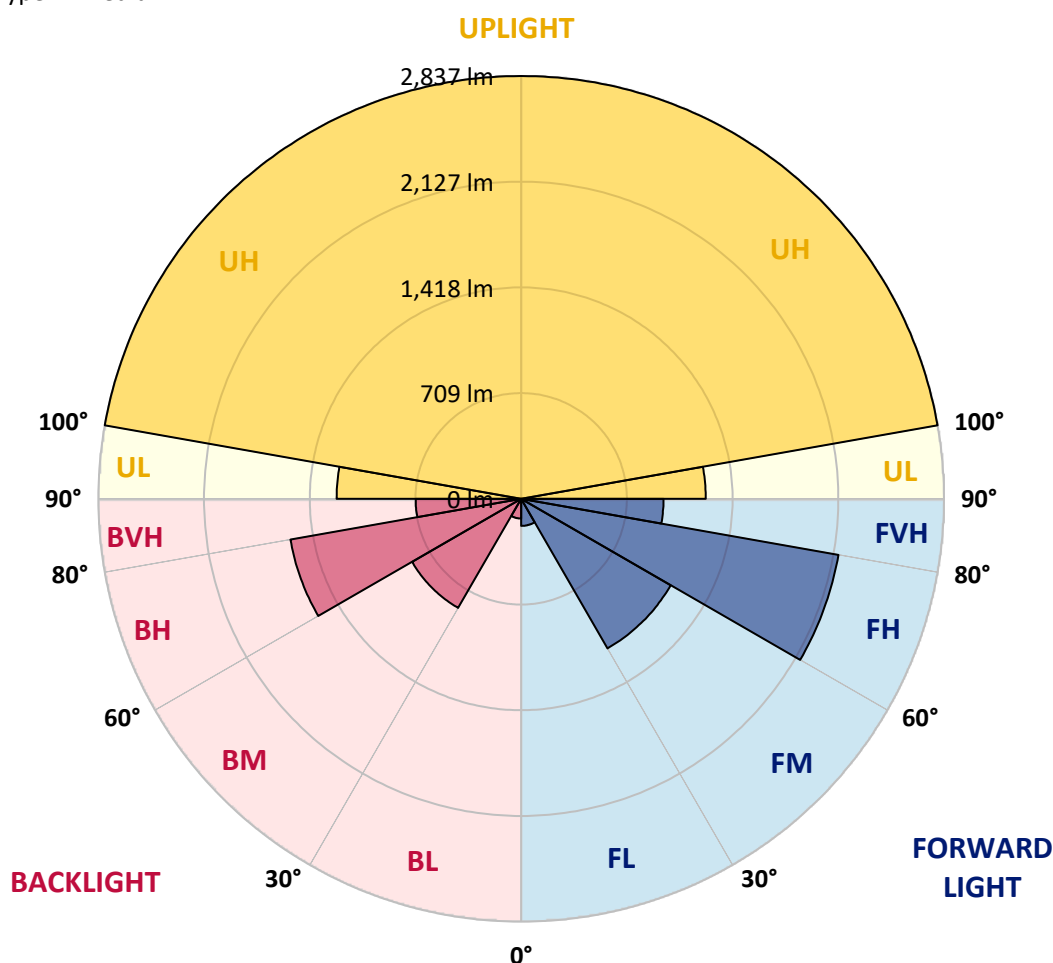
CATALOG NUMBER: ANE15SXX33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.8	1.1			
FM	(30°-60°)	1158.6	7.2			
FH	(60°-80°)	2161.3	13.5			G2/5000
FVH	(80°-90°)	954.9	6.0			G5
BL	(0°-30°)	132.4	0.8	B1/500		
BM	(30°-60°)	845.2	5.3	B1/1000		
BH	(60°-80°)	1571.9	9.8	B3/2500		G3/2500
BVH	(80°-90°)	707.7	4.4			G4/750
UL	(90°-100°)	1238.3	7.7		U5	
UH	(100°-180°)	2836.6	17.7		U5	
Trapped Light		2303.7	14.4			

BUG Rating: B3-U5-G5

Type IV Medium





REPORT NUMBER: 765935
CATALOG NUMBER: ANE15SXX33

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	118	118	118	118	118	118	118	118	118	118	118
5°	98	98	95	95	94	94	94	94	91	92	96
15°	225	230	244	288	376	427	431	434	410	395	365
25°	475	491	522	561	592	608	609	590	562	538	497
35°	661	676	665	636	657	690	735	735	715	685	622
45°	753	750	739	738	763	805	858	896	905	879	833
50°	940	949	930	922	959	1023	1099	1166	1147	1155	1101
55°	1210	1239	1200	1185	1233	1324	1463	1577	1557	1550	1470
60°	1586	1583	1531	1503	1521	1667	1889	2074	2042	2027	1852
62.5°	1696	1709	1660	1617	1693	1828	2126	2312	2336	2216	2061
65°	1823	1833	1791	1729	1782	1949	2252	2519	2499	2451	2241
67.5°	1914	1921	1880	1815	1858	2019	2376	2637	2659	2567	2350
70°	1952	1965	1925	1849	1901	2076	2443	2729	2745	2676	2441
72.5°	1970	1980	1942	1854	1903	2084	2452	2742	2777	2704	2500
75°	1961	1970	1921	1829	1872	2058	2414	2692	2733	2665	2485
77.5°	1922	1918	1855	1789	1830	2001	2334	2611	2641	2593	2426
80°	1836	1852	1783	1711	1734	1911	2209	2424	2514	2483	2297
82.5°	1762	1755	1651	1614	1646	1788	2078	2259	2323	2262	2131
85°	1616	1614	1551	1499	1502	1677	1890	2081	2086	2093	1940
87.5°	1506	1498	1448	1383	1397	1530	1700	1801	1845	1819	1745
90°	1389	1336	1301	1291	1298	1394	1530	1647	1653	1674	1608
95°	1184	1182	1142	1113	1124	1209	1315	1393	1434	1432	1385
105°	1016	984	950	945	959	1012	1101	1175	1195	1198	1132
115°	865	818	815	815	828	867	932	990	991	983	941
125°	743	737	736	738	746	791	828	861	874	860	838
135°	909	889	903	931	938	1001	1027	1039	1048	1053	1058
145°	1228	1159	1168	1269	1213	1259	1269	1278	1281	1250	1261
155°	923	902	889	908	903	946	989	994	962	960	941
165°	644	657	667	655	672	687	687	683	683	669	656
175°	274	264	275	267	289	256	247	250	258	264	256
180°	46	46	46	46	46	46	46	46	46	46	46



REPORT NUMBER: 765935
CATALOG NUMBER: ANE15SXX33

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118	118	118	118	118	118	118	118	118	118	118
5°	99	100	102	100	107	105	117	119	126	119	112
15°	323	299	280	242	236	240	230	251	238	235	212
25°	482	468	430	411	395	386	377	372	373	370	369
35°	601	578	538	509	489	464	449	440	443	442	447
45°	788	762	713	670	638	597	574	541	523	513	510
50°	1019	972	898	840	799	751	718	648	634	613	604
55°	1350	1279	1162	1080	1026	957	885	819	795	766	749
60°	1737	1632	1467	1354	1282	1204	1135	1037	996	931	926
62.5°	1930	1779	1592	1462	1406	1357	1262	1155	1081	1026	1036
65°	2098	1963	1758	1607	1500	1446	1353	1264	1159	1116	1105
67.5°	2201	2058	1841	1682	1598	1520	1452	1355	1257	1188	1162
70°	2288	2145	1897	1747	1653	1593	1517	1425	1305	1231	1225
72.5°	2341	2175	1929	1761	1678	1614	1555	1460	1345	1263	1248
75°	2330	2164	1917	1745	1658	1599	1548	1462	1348	1267	1253
77.5°	2276	2093	1846	1687	1604	1561	1509	1426	1315	1246	1237
80°	2148	1977	1761	1608	1516	1465	1434	1361	1270	1200	1182
82.5°	1997	1819	1596	1466	1410	1379	1328	1286	1176	1132	1129
85°	1820	1657	1476	1354	1290	1258	1234	1180	1109	1062	1045
87.5°	1639	1525	1331	1205	1181	1154	1130	1085	1043	990	989
90°	1506	1380	1220	1127	1088	1085	1042	1005	958	940	940
95°	1293	1207	1077	999	978	957	938	904	866	853	851
105°	1066	1010	935	880	847	823	801	786	776	780	773
115°	896	864	823	791	767	744	727	718	711	714	711
125°	823	817	816	806	794	790	791	794	808	816	838
135°	1085	1058	1046	1036	1011	1003	1039	1060	1067	1049	1061
145°	1237	1264	1184	1150	1238	1213	1296	1301	1353	1391	1384
155°	944	926	883	876	844	829	865	906	921	918	909
165°	652	635	627	618	625	623	630	658	667	664	653
175°	239	250	224	206	218	217	233	221	211	228	236
180°	46	46	46	46	46	46	46	46	46	46	46

(END OF REPORT)