

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: HALO

Report Number: P395146

Luminaire Tested: **TGS2SCS2[F;M]RBLE40A[B;W]**

Test Date: 03/20/2020

Test Information

Test Method: LM-79-08
Report Number: P395146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2001-646-6)
Test Lab: INNOVATIONS CENTER(G3)
Test Date: 03/20/2020
Issue Date: 05/04/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: TGS2SCS2[F;M]RBLE40A[B;W]
Description: TWIN ROUND HEAD LED FLOOD,RETAIL(120V) SELECTABLE CCT @ 4000K MAX OUTPUT
Light Source: 70 CRI LEDs
Ballast/Driver: (1) Electronic Driver

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2724.8 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.29' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

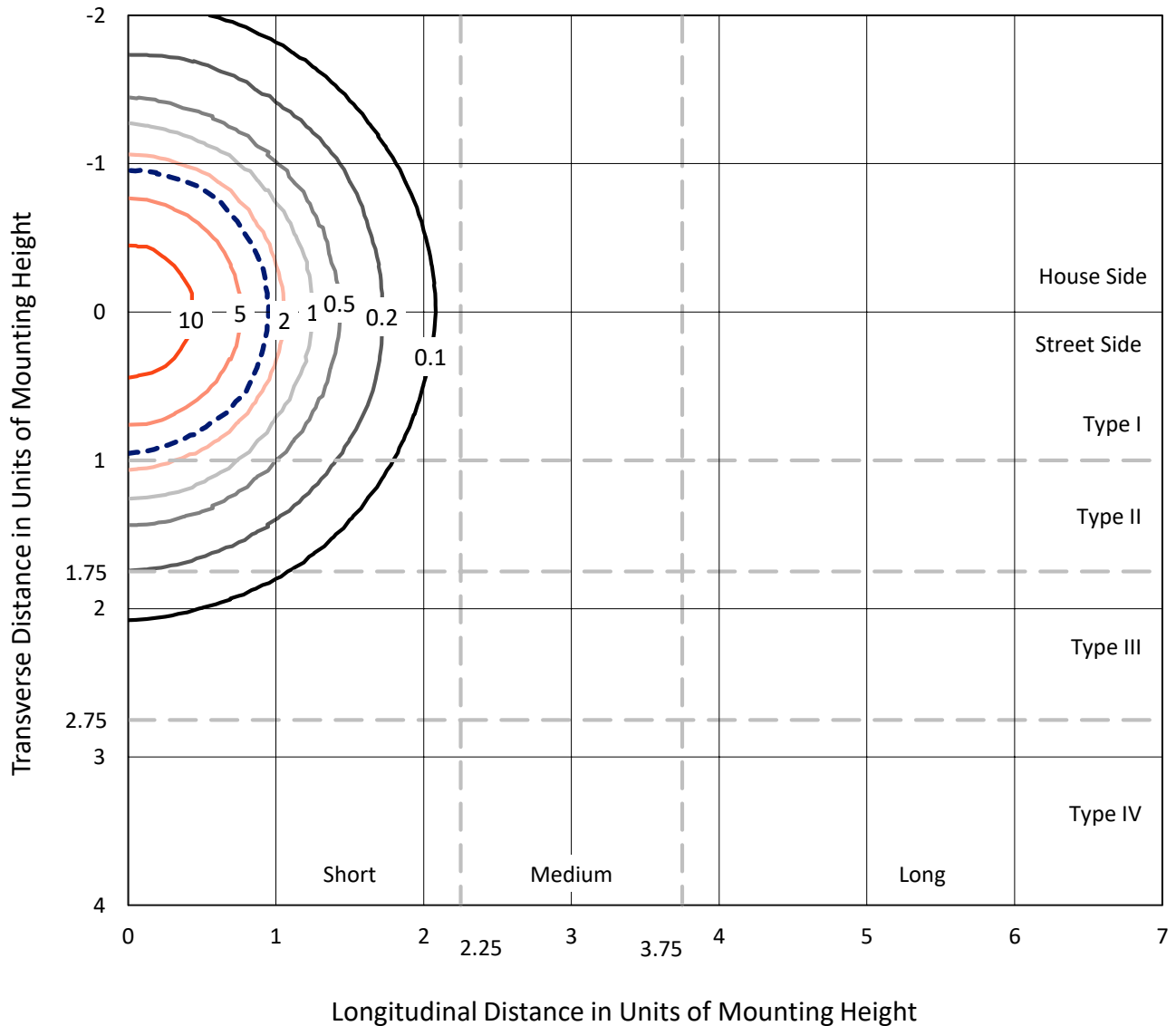
Input Watts (W): 23.9
Input Voltage (V): 120.0
Input Current (Ain): 0.199
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P395146
 CATALOG NUMBER: TGS2SCS2[F;M]RBLE40A[B;W]

Iso-Footcandle Lines of Horizontal Illumination

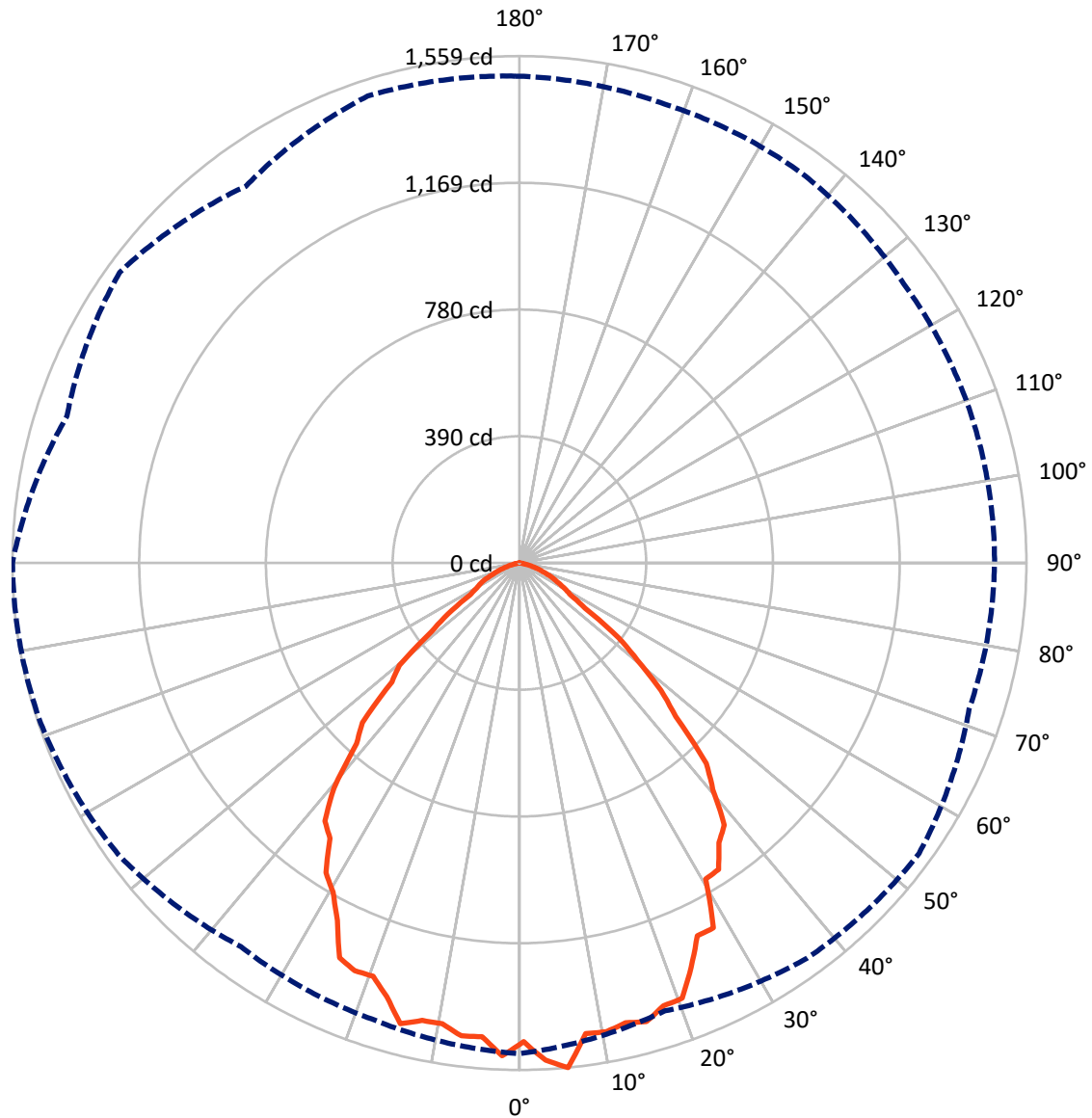
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P395146
CATALOG NUMBER: TGS2SCS2[F;M]RBLE40A[B;W]

Luminous Intensity Polar Plot



— Vertical Plane Through 270-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

REPORT NUMBER: P395146

CATALOG NUMBER: TGS2SCS2[F;M]RBLE40A[B;W]

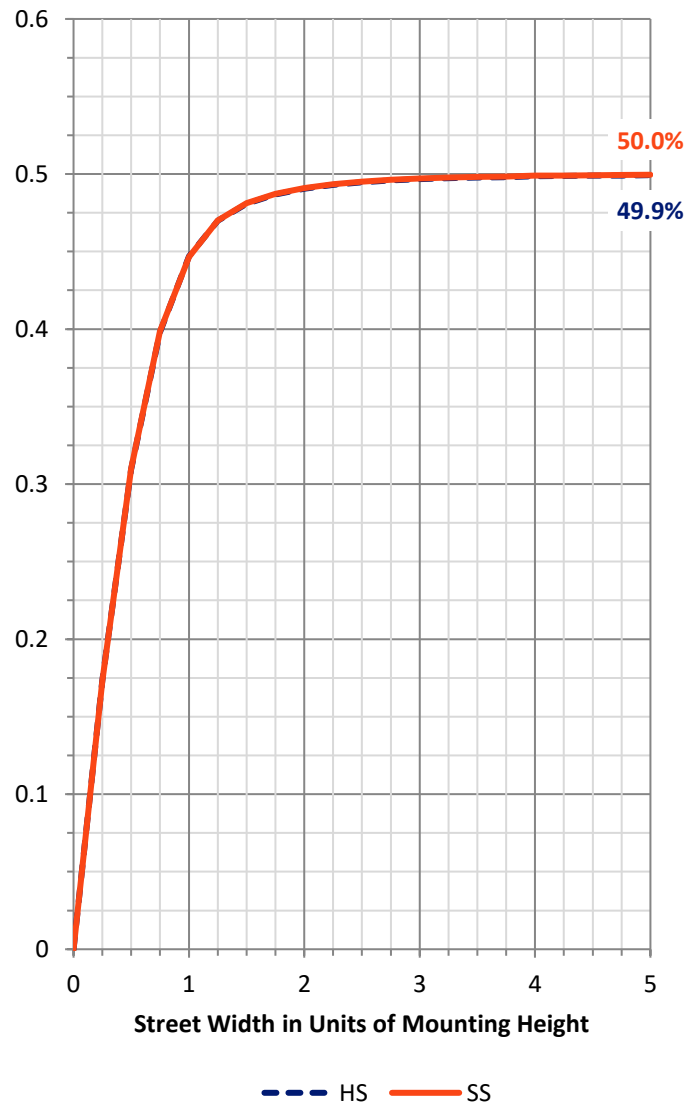
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1368.4	0.0	1368.4
	% Fixture	50.2	0.0	50.2
Street Side	Lumens	1356.4	0.0	1356.4
	% Fixture	49.8	0.0	49.8
Total	Lumens	2724.8	0.0	2724.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	5.2
10°-20°	408.1	15.0
20°-30°	591.4	21.7
30°-40°	652.9	24.0
40°-50°	525.6	19.3
50°-60°	247.8	9.1
60°-70°	112.5	4.1
70°-80°	40.9	1.5
80°-90°	3.3	0.1
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°	2724.8	100.0
0°-180°	2724.8	100.0



REPORT NUMBER: P395146

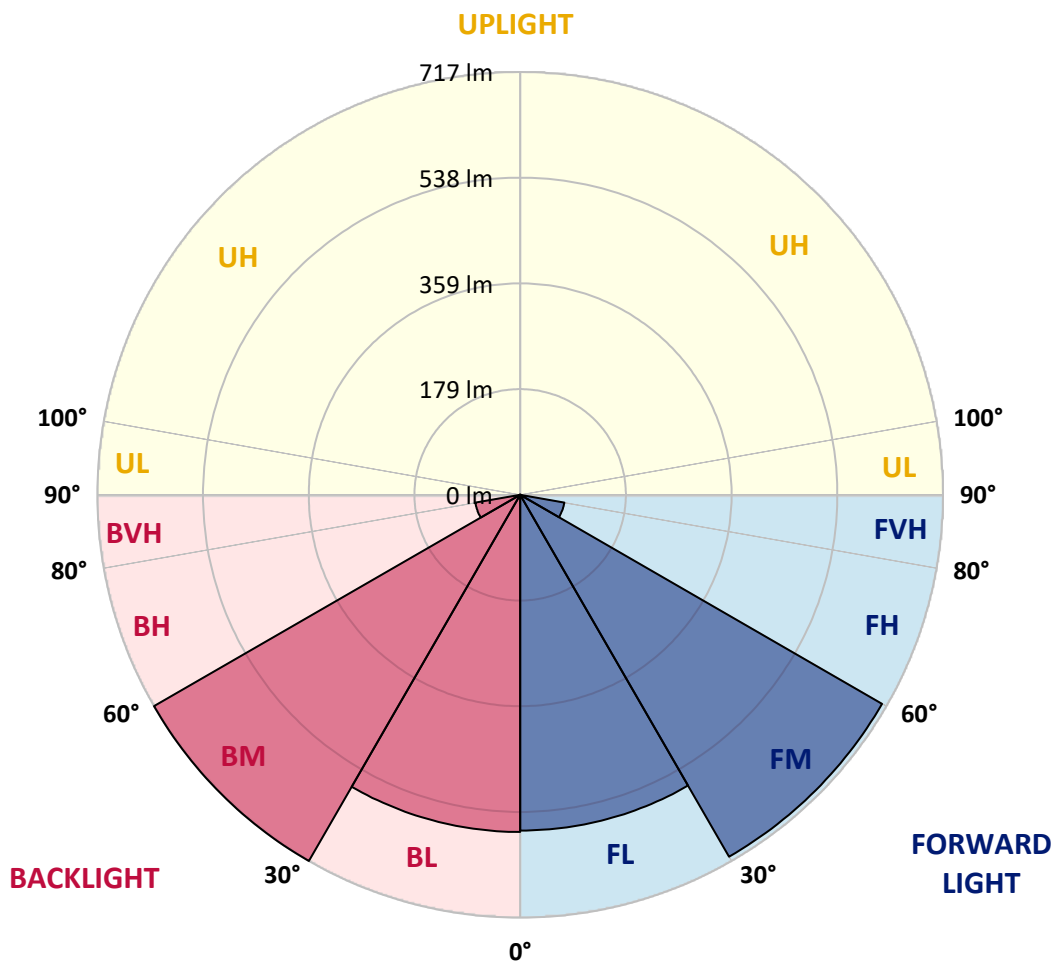
CATALOG NUMBER: TGS2SCS2[F;M]RBLE40A[B;W]

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	569.7	20.9			
FM	(30°-60°)	709.0	26.0			
FH	(60°-80°)	76.1	2.8			G0/660
FVH	(80°-90°)	1.6	0.1			G0/10
BL	(0°-30°)	572.0	21.0	B2/1000		
BM	(30°-60°)	717.4	26.3	B1/1000		
BH	(60°-80°)	77.3	2.8	B0/110		G0/660
BVH	(80°-90°)	1.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P395146

CATALOG NUMBER: TGS2SCS2[F;M]RBLE40A[B;W]

CANDELA DISTRIBUTION (FULL):

	0°	18°	36°	54°	72°	90°	108°	126°	144°	162°	180°
0°	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472
2.5°	1508	1508	1481	1474	1514	1516	1495	1514	1440	1486	1466
5°	1509	1448	1503	1519	1454	1461	1462	1461	1480	1480	1497
7.5°	1448	1438	1517	1545	1459	1465	1525	1522	1516	1461	1486
10°	1516	1466	1473	1430	1507	1436	1512	1525	1439	1473	1460
12.5°	1443	1421	1428	1447	1404	1438	1460	1435	1408	1414	1497
15°	1426	1428	1375	1386	1439	1463	1447	1475	1472	1479	1457
17.5°	1467	1450	1381	1462	1450	1394	1375	1409	1412	1401	1429
20°	1412	1446	1382	1416	1342	1348	1421	1381	1392	1430	1392
22.5°	1342	1304	1351	1367	1372	1352	1349	1332	1398	1400	1369
25°	1308	1284	1288	1231	1313	1334	1263	1268	1248	1263	1295
27.5°	1178	1168	1200	1212	1180	1233	1242	1192	1246	1244	1241
30°	1139	1167	1136	1118	1168	1163	1110	1145	1120	1117	1181
32.5°	1069	1123	1068	1124	1120	1123	1073	1132	1118	1076	1065
35°	1055	1024	1029	1030	1014	1028	1090	1035	1062	1027	1090
37.5°	987	1014	952	951	999	994	988	1018	1003	1009	994
40°	899	866	902	922	924	897	910	897	887	902	909
42.5°	785	767	758	824	781	748	813	782	812	787	814
45°	684	668	661	662	673	689	663	691	717	699	678
47.5°	584	553	571	554	570	536	566	556	595	566	571
50°	482	471	466	421	431	485	446	456	476	453	490
52.5°	369	371	333	324	355	344	369	341	345	351	399
55°	260	267	247	253	254	271	243	260	254	259	265
57.5°	189	183	182	184	173	181	181	191	193	193	196
60°	164	156	154	156	164	154	156	165	156	163	158
62.5°	137	134	136	134	133	137	134	136	139	140	143
65°	116	109	110	108	110	117	117	113	114	114	119
67.5°	91	93	91	89	88	89	88	88	93	93	89
70°	71	68	70	72	67	70	69	69	72	70	71
72.5°	53	51	52	51	52	51	54	52	54	52	55
75°	35	35	37	37	37	36	35	37	38	36	40
77.5°	22	22	22	24	22	23	24	23	23	23	23
80°	12	12	12	11	12	13	12	12	13	12	14
82.5°	5	4	4	4	4	5	5	5	5	5	5
85°	0	1	1	1	1	1	1	1	1	1	1
87.5°	0	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P395146

CATALOG NUMBER: TGS2SCS2[F;M]RBLE40A[B;W]

CANDELA DISTRIBUTION (continued):

	198°	216°	234°	252°	270°	288°	306°	324°	342°	360°
0°	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472
2.5°	1425	1515	1518	1514	1531	1442	1441	1492	1464	1508
5°	1510	1432	1520	1463	1559	1553	1525	1458	1474	1509
7.5°	1515	1519	1479	1517	1461	1479	1516	1549	1512	1448
10°	1512	1518	1455	1515	1466	1500	1494	1476	1460	1516
12.5°	1503	1417	1462	1482	1451	1457	1440	1426	1473	1443
15°	1439	1399	1483	1418	1463	1436	1481	1425	1402	1426
17.5°	1455	1481	1440	1437	1432	1450	1471	1477	1477	1467
20°	1411	1471	1430	1430	1429	1359	1430	1440	1445	1412
22.5°	1322	1320	1362	1370	1351	1425	1390	1322	1391	1342
25°	1296	1285	1323	1316	1270	1258	1272	1263	1247	1308
27.5°	1250	1222	1184	1195	1271	1277	1241	1237	1237	1178
30°	1171	1164	1197	1196	1128	1132	1131	1150	1121	1139
32.5°	1097	1088	1076	1141	1124	1144	1070	1087	1103	1069
35°	1089	1073	1028	1081	1056	1054	1030	1066	1041	1055
37.5°	1016	986	971	973	1023	1026	1028	965	1003	987
40°	883	948	926	918	916	945	940	938	880	899
42.5°	776	819	816	818	843	771	814	826	808	785
45°	678	693	686	710	674	729	665	681	675	684
47.5°	566	572	567	592	585	553	593	557	574	584
50°	493	491	473	475	471	492	435	460	465	482
52.5°	383	354	358	352	382	340	346	338	360	369
55°	278	263	264	270	245	276	261	254	251	260
57.5°	194	204	203	191	185	172	190	199	195	189
60°	161	165	161	151	161	160	154	156	163	164
62.5°	138	137	135	134	134	130	138	141	134	137
65°	112	111	111	116	116	116	117	116	112	116
67.5°	90	95	91	95	92	87	90	90	94	91
70°	70	73	71	75	72	73	72	70	74	71
72.5°	56	55	55	53	55	56	52	53	51	53
75°	40	38	38	38	38	36	39	37	36	35
77.5°	25	25	24	25	23	24	24	23	23	22
80°	14	14	14	13	13	13	12	13	13	12
82.5°	6	5	6	5	5	6	5	5	5	5
85°	1	1	1	1	1	1	1	1	1	0
87.5°	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)