



Filename: 200A232MV_F23T835K

Manufacturer: TEXAS FLUORESCENTS

Lamp: Fluorescent

Lamp Output: Total Luminaire Lumens: 1742.9

Max Candela: 1,253.6 at Horizontal: 90°, Vertical: 12°

Input Wattage: 53

Luminous Opening: Rectangle w/Luminous Sides (L: 47.99", W: 11.38", H: 3.39")

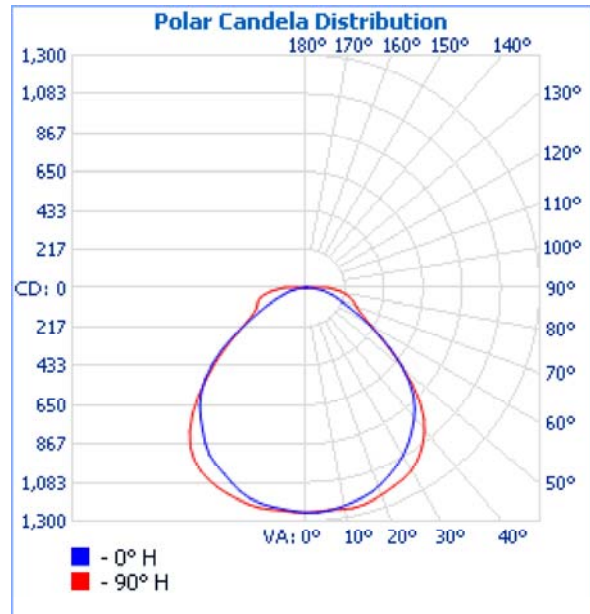
Test: 200A232MV_F23T835K

Test Date: 07-Jun-2017 07:00:43

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	N/A
Distribution:	Type VS
Max Cd, 90 Deg Vert:	123.7
Max Cd, 80 to <90 Deg:	230.9
	Lumens % Lamp
Downward Street Side:	1,752.7 50.3%
Downward House Side:	1,709.0 49%
Downward Total:	3,461.7 99.3%
Upward Street Side:	12.2 0.4%
Upward House Side:	12.6 0.4%
Upward Total:	24.8 0.7%
Total Lumens:	3,486.5 100%

Flood Summary

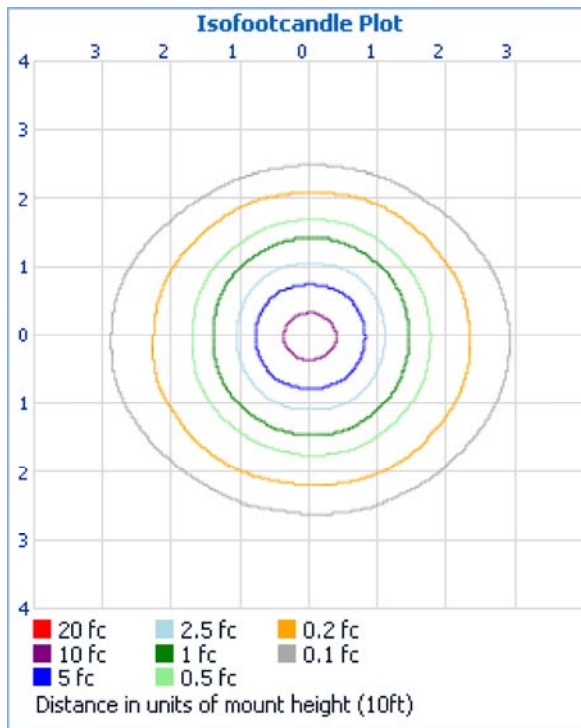
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.6%	3,403.3	179.5	151.4
Beam (50%):	71.4%	2,487.9	103.9	104.4
Total:	100%	3,485.7		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,004.8	28.8%
0-40	1,671.4	47.9%
0-60	2,827.0	81.1%
60-90	634.1	18.2%
70-100	354.9	10.2%
90-120	24.8	0.7%
0-90	3,461.0	99.3%
90-180	24.8	0.7%
0-180	3,485.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	118.6	3.4%	90-100	24.8	0.7%
10-20	347.2	10.0%	100-110	0.0	0%
20-30	539.0	15.5%	110-120	0	0%
30-40	666.6	19.1%	120-130	0	0%
40-50	667.6	19.2%	130-140	0	0%
50-60	488.0	14.0%	140-150	0	0%
60-70	303.9	8.7%	150-160	0	0%
70-80	202.8	5.8%	160-170	0	0%
80-90	127.4	3.7%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7ft	433 fc	4.4 ft	4.3 ft
3.3ft	115 fc	8.5 ft	8.4 ft
5.0ft	50.1 fc	12.9 ft	12.8 ft
6.7ft	27.9 fc	17.3 ft	17.1 ft
8.3ft	18.2 fc	21.4 ft	21.2 ft
10.0ft	12.5 fc	25.8 ft	25.5 ft

■ Vert. Spread: 104.4°
■ Horiz. Spread: 103.9°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.01	1.01	1.01	1.01	1.01	1.01	1.01	.99
1	1.08	1.04	.99	.95	1.06	1.01	.97	.84	.97	.94	.91	.91	.93	.90	.88	.88	.89	.87	.85	.85	.89	.87	.85	.83
2	.99	.91	.84	.79	.96	.89	.83	.71	.85	.80	.76	.76	.82	.78	.74	.74	.79	.75	.72	.72	.79	.75	.72	.70
3	.91	.80	.72	.66	.88	.79	.71	.61	.76	.69	.64	.64	.73	.67	.63	.63	.70	.66	.62	.62	.70	.66	.62	.60
4	.83	.72	.63	.56	.81	.70	.62	.53	.68	.61	.55	.55	.65	.59	.54	.54	.63	.58	.54	.54	.63	.58	.54	.51
5	.77	.64	.55	.49	.75	.63	.55	.47	.61	.54	.48	.48	.59	.52	.47	.47	.57	.51	.47	.47	.57	.51	.47	.45
6	.71	.58	.49	.43	.69	.57	.49	.41	.55	.48	.42	.42	.53	.47	.42	.42	.52	.46	.41	.41	.52	.46	.41	.39
7	.66	.53	.44	.38	.64	.52	.44	.37	.50	.43	.38	.38	.49	.42	.37	.37	.47	.41	.37	.37	.47	.41	.37	.35
8	.61	.48	.40	.34	.60	.47	.39	.33	.46	.39	.34	.34	.45	.38	.33	.33	.44	.38	.33	.33	.44	.38	.33	.31
9	.57	.44	.36	.31	.56	.44	.36	.30	.42	.35	.30	.30	.41	.35	.30	.30	.40	.34	.30	.30	.40	.34	.30	.28
10	.54	.41	.33	.28	.53	.40	.33	.27	.39	.32	.28	.28	.38	.32	.27	.27	.37	.31	.27	.27	.37	.31	.27	.25

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
0	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253
3	1253	1253	1252	1252	1252	1251	1250	1249	1248	1248	1247	1247	1247	1246	1246	1247	1246	1246	1246	1247	1247	1248
6	1247	1247	1249	1251	1251	1250	1249	1247	1245	1244	1243	1244	1244	1244	1243	1242	1240	1239	1239	1239	1242	1244
9	1236	1237	1241	1243	1247	1249	1249	1249	1249	1249	1247	1244	1242	1241	1238	1235	1233	1232	1233	1234	1236	1238
12	1223	1223	1226	1231	1237	1241	1243	1248	1253	1254	1248	1240	1234	1231	1227	1220	1219	1223	1226	1225	1224	1226
15	1210	1209	1213	1218	1225	1232	1236	1242	1248	1249	1243	1232	1225	1221	1214	1205	1204	1209	1213	1208	1207	1211
18	1192	1196	1199	1205	1212	1224	1231	1237	1239	1237	1232	1225	1217	1212	1199	1190	1188	1192	1190	1187	1187	1200
21	1168	1175	1183	1189	1196	1208	1220	1227	1227	1221	1217	1213	1204	1195	1181	1169	1168	1166	1159	1159	1169	1190
24	1138	1149	1161	1165	1173	1186	1198	1209	1211	1206	1199	1195	1187	1176	1158	1142	1142	1136	1128	1131	1147	1166
27	1109	1118	1128	1141	1152	1160	1172	1185	1191	1192	1180	1176	1168	1154	1136	1117	1108	1105	1103	1102	1116	1136
30	1076	1081	1091	1110	1127	1132	1146	1161	1169	1171	1160	1158	1145	1128	1110	1088	1070	1068	1073	1067	1081	1105

33	1038	1044	1055	1075	1100	1105	1118	1133	1142	1139	1132	1131	1116	1102	1084	1060	1031	1023	1029	1024	1042	1075	1
36	997	1007	1020	1041	1071	1077	1087	1096	1106	1096	1095	1092	1081	1067	1051	1030	994	974	979	978	998	1041	1
39	953	965	982	997	1032	1037	1045	1050	1054	1045	1048	1046	1036	1022	1002	984	957	927	932	933	958	985	1
42	904	913	930	951	982	982	988	984	981	980	983	980	979	968	953	932	911	875	884	882	913	924	
45	845	852	872	898	917	911	908	900	894	895	894	897	899	902	895	869	854	818	826	823	852	855	
48	770	782	813	831	832	817	810	802	795	793	790	804	801	809	815	795	785	754	756	753	777	777	
51	679	702	725	737	723	706	704	690	690	680	685	700	698	702	709	710	688	680	671	674	674	684	
54	582	600	629	609	599	594	594	587	579	572	577	594	587	595	584	592	593	585	573	578	576	560	
57	490	497	513	505	503	500	505	499	488	485	486	495	490	490	478	482	483	480	467	472	466	453	
60	405	406	421	418	427	426	431	432	420	418	414	418	405	396	389	386	386	380	369	370	372	365	
63	326	332	345	349	358	363	375	380	374	367	364	364	344	328	317	313	316	298	293	289	306	300	
66	260	267	281	293	304	309	326	336	341	330	328	318	295	280	262	258	246	232	233	227	239	246	
69	214	218	232	235	254	262	284	301	310	305	298	282	255	236	216	206	194	184	183	180	189	196	
72	181	183	190	191	213	227	251	273	281	286	274	257	229	204	185	166	156	148	143	143	153	163	
75	150	151	153	155	176	200	225	251	259	267	256	238	211	187	157	135	126	118	115	115	122	136	
78	119	120	123	129	151	177	205	231	239	245	239	221	196	174	137	114	102	90	91	90	98	116	
81	93	93	103	113	137	164	193	213	216	222	217	203	180	160	122	97	80	67	66	63	77	95	
84	63	67	74	94	119	148	172	185	191	194	189	179	163	144	107	82	58	49	43	45	55	78	
87	36	40	48	71	102	124	143	143	151	155	152	145	137	124	94	62	37	27	18	24	32	58	
90	15	18	30	56	83	98	113	107	119	124	121	114	111	92	80	48	23	12	3	8	21	55	
93	1	2	11	26	28	33	38	43	33	38	35	49	43	42	34	26	12	3	0	3	12	36	
96	0	0	1	1	2	2	3	4	3	2	4	5	4	4	4	3	2	0	0	0	1	4	
99	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST]200A232MV_F23T835K
[TESTLAB]Radiant Vision Systems ProSource
[ISSUEDATE]6/7/2017 9:17:06 AM
[TESTDATE]07-Jun-2017 07:00:43
[MANUFAC]TEXAS FLUORESCENTS
[LAMP]Fluorescent
[_NUMBEROFRAYS]10000000
[OTHER]Absolute Photometry measurement

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.