



Filename: RSR48LT30W3400LDMV40K

Manufacturer: TEXAS FLUORESCENTS

Lamp: LED Module

Lamp Output: Total Luminaire Lumens: 3296

Max Candela: 1,125.7 at Horizontal: 0°, Vertical: 3°

Input Wattage: 29.7

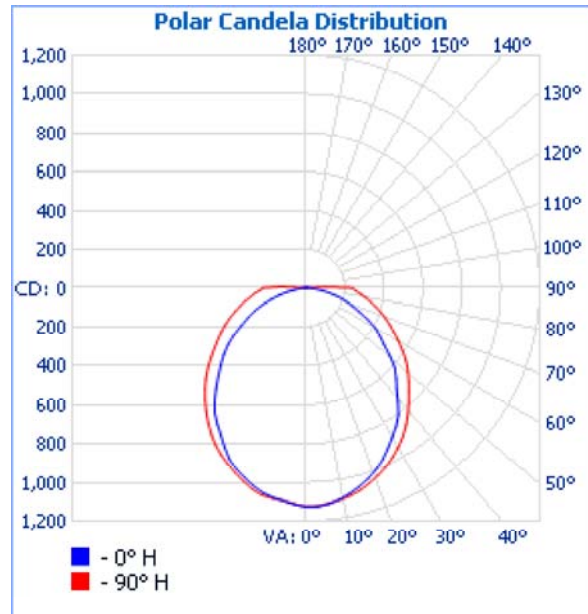
Luminous Opening: Rectangle w/Luminous Sides (L: 48.03", W: 4.33", H: 3.94")

Test: RSR48LT30W3400LDMV40K

Test Date: 12-Sep-2017 09:41:48

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C

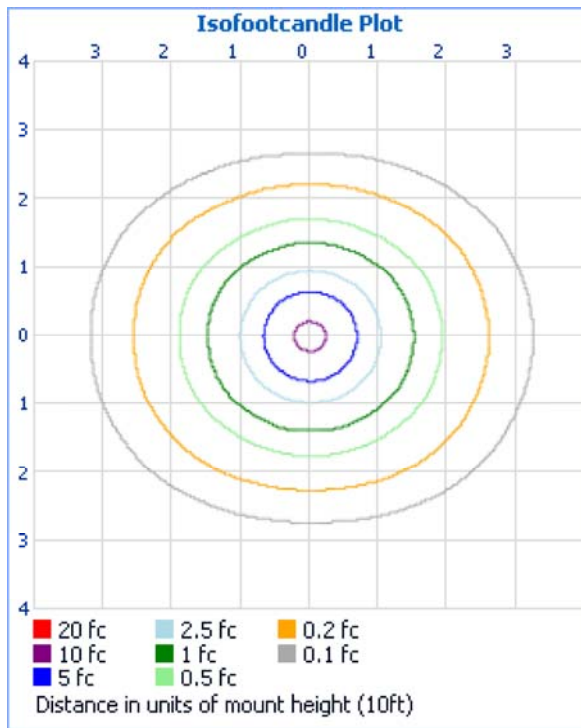


Roadway Summary		
Cutoff Classification:	N/A	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	240.4	
Max Cd, 80 to <90 Deg:	308.8	
	Lumens % Lamp	
Downward Street Side:	1,643.2	49.9%
Downward House Side:	1,606.7	48.7%
Downward Total:	3,249.9	98.6%
Upward Street Side:	23.1	0.7%
Upward House Side:	23.7	0.7%
Upward Total:	46.8	1.4%
Total Lumens:	3,296.6	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.6%	3,250.7	n/a	156
Beam (50%):	63.9%	2,105.9	115.7	100.3
Total:	100%	3,296.1		

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	850.3	25.8%
0-40	1,375.5	41.7%
0-60	2,391.1	72.5%
60-90	858.1	26%
70-100	513.4	15.6%
90-120	46.8	1.4%
0-90	3,249.3	98.6%
90-180	46.8	1.4%
0-180	3,296.0	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	105.4	3.2%	90-100	46.7	1.4%
10-20	299.8	9.1%	100-110	0.1	0%
20-30	445.1	13.5%	110-120	0	0%
30-40	525.2	15.9%	120-130	0	0%
40-50	534.2	16.2%	130-140	0	0%
50-60	481.5	14.6%	140-150	0	0%
60-70	391.4	11.9%	150-160	0	0%
70-80	283.7	8.6%	160-170	0	0%
80-90	183.0	5.6%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7ft	389 fc	4.1 ft	5.4 ft
3.3ft	103 fc	7.9 ft	10.5 ft
5.0ft	45.0 fc	12.0 ft	15.9 ft
6.7ft	25.1 fc	16.0 ft	21.3 ft
8.3ft	16.3 fc	19.9 ft	26.4 ft
10.0ft	11.3 fc	23.9 ft	31.8 ft

■ Vert. Spread: 100.3°  
■ Horiz. Spread: 115.7°

**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	50	30	20	50	30	20	50	30	20	50	30	20	
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
1	1.07	1.01	.96	.92	1.04	.99	.94	.80	.94	.90	.87	.90	.87	.84	.86	.84	.81	.86	.84	.81	.86	.84	.81	
2	.97	.88	.80	.74	.94	.86	.79	.66	.82	.76	.71	.78	.73	.69	.75	.71	.67	.75	.71	.67	.75	.71	.67	
3	.88	.77	.68	.61	.85	.75	.67	.56	.72	.65	.59	.69	.63	.58	.66	.61	.57	.66	.61	.57	.66	.61	.57	
4	.80	.68	.59	.52	.78	.66	.58	.48	.64	.56	.50	.61	.55	.49	.59	.53	.49	.59	.53	.49	.59	.53	.49	
5	.74	.61	.51	.44	.72	.59	.51	.42	.57	.49	.44	.55	.48	.43	.53	.47	.42	.53	.47	.42	.53	.47	.42	
6	.68	.55	.45	.39	.66	.54	.45	.37	.52	.44	.38	.50	.43	.38	.48	.42	.37	.48	.42	.37	.48	.42	.37	
7	.63	.50	.41	.34	.62	.49	.40	.33	.47	.39	.34	.45	.39	.33	.44	.38	.33	.44	.38	.33	.44	.38	.33	
8	.59	.45	.37	.31	.57	.44	.36	.29	.43	.36	.30	.42	.35	.30	.40	.34	.30	.40	.34	.30	.40	.34	.30	
9	.55	.42	.33	.28	.54	.41	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.37	.31	.27	.37	.31	.27	
10	.52	.38	.30	.25	.50	.38	.30	.24	.37	.30	.25	.36	.29	.25	.35	.29	.24	.35	.29	.24	.35	.29	.24	

**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	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125
3	1126	1126	1125	1125	1124	1124	1124	1124	1123	1123	1122	1122	1121	1120	1118	1118	1116	1116	1115	1114	1113	1114
6	1117	1115	1115	1114	1113	1112	1112	1112	1113	1113	1113	1112	1111	1109	1107	1106	1104	1101	1102	1101	1103	1103
9	1101	1101	1102	1101	1100	1098	1099	1101	1103	1104	1103	1100	1097	1094	1091	1089	1089	1088	1090	1091	1093	1094
12	1080	1084	1088	1090	1090	1087	1086	1088	1091	1092	1089	1084	1080	1077	1075	1071	1071	1073	1075	1076	1076	1077
15	1056	1060	1067	1070	1071	1070	1070	1072	1074	1075	1070	1065	1061	1059	1055	1053	1053	1051	1051	1049	1051	1052
18	1030	1032	1032	1040	1044	1050	1051	1051	1053	1054	1051	1046	1045	1041	1034	1033	1030	1029	1024	1021	1019	1025
21	1000	999	1001	1009	1020	1029	1032	1028	1027	1031	1030	1027	1025	1015	1006	1005	999	998	997	993	990	997
24	964	965	971	978	993	1004	1006	1002	1001	1005	1005	1000	992	978	965	960	957	958	964	961	956	956
27	924	931	937	947	961	967	973	972	978	976	971	964	956	939	927	920	911	915	920	918	911	917
30	884	894	899	905	917	920	933	938	953	944	934	930	924	908	895	884	870	871	874	869	865	881

33	848	852	856	858	874	881	898	898	913	911	898	896	893	877	865	851	827	826	836	821	823	849
36	806	805	812	814	833	843	864	864	865	874	862	862	854	832	822	817	783	776	798	772	781	812
39	750	756	770	767	792	803	821	831	826	831	827	822	804	780	766	765	745	723	747	720	742	752
42	695	703	721	724	750	761	780	789	791	788	787	774	760	735	719	708	699	674	691	668	696	694
45	655	650	671	681	701	712	736	747	754	747	744	734	719	695	679	651	640	630	637	623	646	642
48	613	601	624	636	653	664	689	704	713	708	701	696	673	651	639	606	595	588	589	580	595	599
51	553	559	569	587	607	624	646	657	671	672	660	654	629	606	588	567	537	543	544	536	536	560
54	494	511	522	529	555	582	605	615	625	634	616	610	584	566	531	514	489	493	496	488	485	507
57	452	459	471	483	511	535	566	577	582	591	577	565	544	525	489	457	438	440	441	440	431	454
60	412	414	418	437	466	491	523	537	541	548	540	523	505	477	448	408	395	387	384	392	386	408
63	357	364	373	394	419	453	481	497	501	509	502	485	468	430	398	365	359	340	334	344	353	370
66	299	306	324	354	380	414	442	456	462	473	463	448	430	393	357	329	310	294	288	293	307	322
69	253	258	282	309	341	373	403	417	427	439	426	412	393	357	322	287	264	247	240	243	261	284
72	214	220	241	268	307	338	366	384	397	405	394	378	360	321	292	250	223	199	192	196	221	245
75	169	178	200	231	267	307	329	352	364	371	361	343	324	289	255	216	181	155	145	153	181	212
78	122	132	163	199	234	274	299	318	329	337	329	310	293	259	223	187	146	115	101	114	146	184
81	85	98	137	176	211	248	273	296	303	309	300	284	263	232	194	158	116	76	60	77	117	154
84	47	69	104	149	182	215	245	271	276	280	274	257	241	209	168	134	89	52	30	51	90	130
87	20	44	80	122	162	192	214	238	250	254	248	231	209	187	147	101	68	32	10	32	67	102
90	5	27	61	96	132	169	194	215	230	240	225	201	189	158	127	83	55	19	1	18	50	84
93	0	7	26	45	53	71	91	110	94	101	100	109	97	82	65	50	29	7	0	5	27	54
96	0	0	2	2	4	4	7	10	10	6	14	11	10	9	8	5	4	1	0	1	4	6
99	0	0	1	1	1	1	1	1	2	0	4	1	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] RSR48LT30W3400LDMV40K  
[TESTDATE] 12-Sep-2017 09:41:48  
[TESTLAB] Radiant Vision Systems ProSource  
[ISSUEDATE] 9/12/2017 10:50:36 AM  
[MANUFAC] TEXAS FLUORESCENTS  
[LAMP] LED Module  
[\_TOTALLUMINAIRELUMENS] 3296  
[\_NUMBEROFRAYS]10000000  
[DRIVER TYPE] (1) PHILLIPS 54W  
[BOARD TYPE] (2) PHILLIPS "T"  
[COLOR TEMP] 4,055  
[LUMEN/WATT] 109  
[CRI] 84.8

[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.