



Filename: LLLRB30L26W1568L30K

Manufacturer: TEXAS FLUORESCENTS

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 1865.6

Max Candela: 496.1 at Horizontal: 150°, Vertical: 3°

Input Wattage: 26

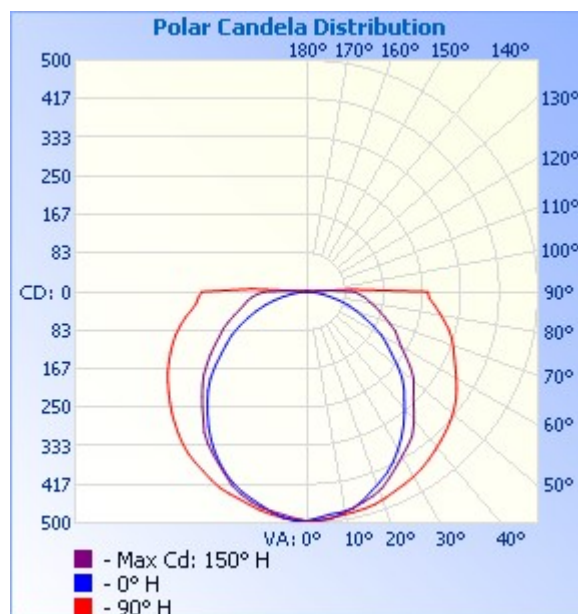
Luminous Opening: Rectangle w/Luminous Sides (L: 29.92", W: 4.33", H: 4.33")

Test: LLLRB30L26W1568L30KSA

Test Date: 09-Nov-2017 10:45:31

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:	262.1	
Max Cd, 80 to <90 Deg:	290.1	
	Lumens	% Lamp
Downward Street Side:	911.1	48.8%
Downward House Side:	907.6	48.6%
Downward Total:	1,818.7	97.5%
Upward Street Side:	22.7	1.2%
Upward House Side:	24.5	1.3%
Upward Total:	47.2	2.5%
Total Lumens:	1,865.9	100%

Zonal Lumen Summary

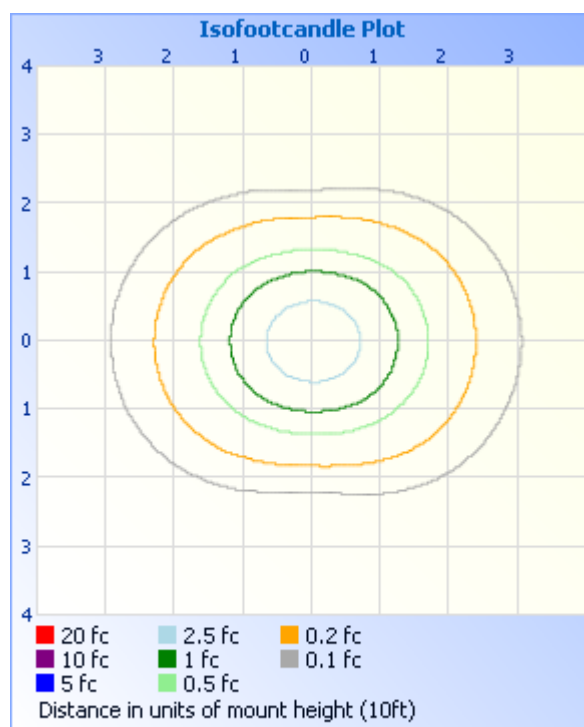
Zone	Lumens	% Luminaire
0-30	385.2	20.6%
0-40	637.7	34.2%
0-60	1,184.7	63.5%
60-90	633.8	34%
70-100	432.1	23.2%
90-120	47.2	2.5%
0-90	1,818.4	97.5%
90-180	47.2	2.5%
0-180	1,865.7	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.3%	1,852.8	n/a	156.8
Beam (50%):	77.8%	1,451.6	81.9	103.2
Total:	100%	1,866.0		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	46.5	2.5%	90-100	47.2	2.5%
10-20	134.1	7.2%	100-110	0.1	0%
20-30	204.6	11.0%	110-120	0	0%
30-40	252.5	13.5%	120-130	0	0%
40-50	275.3	14.8%	130-140	0	0%
50-60	271.7	14.6%	140-150	0	0%
60-70	248.9	13.3%	150-160	0	0%
70-80	213.0	11.4%	160-170	0	0%
80-90	171.9	9.2%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	171 fc	4.3 ft	3.0 ft
3.3ft	45.5 fc	8.3 ft	5.7 ft
5.0ft	19.8 fc	12.6 ft	8.7 ft
6.7ft	11.0 fc	16.9 ft	11.6 ft
8.3ft	7.19 fc	20.9 ft	14.4 ft
10.0ft	4.95 fc	25.2 ft	17.4 ft

■ Vert. Spread: 103.2°
 ■ Horiz. Spread: 81.9°

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	10	50	30	20	10	50	30	20	10	50	30	20	10
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1	1.04	.98	.92	.87	1.01	.95	.90	.75	.90	.86	.82	.86	.82	.79	.82	.79	.76	.76	.76	.76	.76	.76	.76	.76
2	.94	.83	.75	.68	.90	.81	.74	.60	.77	.71	.65	.73	.68	.63	.70	.65	.61	.61	.61	.61	.61	.61	.61	.61
3	.85	.72	.63	.55	.82	.70	.62	.50	.67	.59	.53	.64	.57	.52	.61	.55	.51	.51	.51	.51	.51	.51	.51	.51
4	.77	.63	.54	.46	.74	.62	.53	.42	.59	.51	.45	.56	.49	.44	.54	.48	.43	.43	.43	.43	.43	.43	.43	.43
5	.71	.56	.46	.39	.68	.55	.46	.36	.53	.44	.38	.50	.43	.37	.48	.42	.37	.37	.37	.37	.37	.37	.37	.37
6	.65	.51	.41	.34	.63	.49	.40	.32	.47	.39	.33	.45	.38	.32	.43	.37	.32	.32	.32	.32	.32	.32	.32	.32
7	.60	.46	.36	.30	.58	.45	.36	.28	.43	.35	.29	.41	.34	.29	.40	.33	.28	.28	.28	.28	.28	.28	.28	.28
8	.56	.42	.32	.26	.54	.41	.32	.25	.39	.31	.26	.38	.31	.25	.36	.30	.25	.25	.25	.25	.25	.25	.25	.25
9	.52	.38	.29	.24	.51	.37	.29	.22	.36	.28	.23	.35	.28	.23	.33	.27	.23	.23	.23	.23	.23	.23	.23	.23
10	.49	.35	.27	.21	.47	.34	.26	.20	.33	.26	.21	.32	.25	.21	.31	.25	.20	.20	.20	.20	.20	.20	.20	.20

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	220	230	240	250	260	2	
0	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	4	
3	490	490	490	491	491	491	492	493	494	494	495	495	496	496	496	496	496	496	496	496	495	495	495	495	495	495	494	494	4
6	484	484	485	486	487	488	489	490	491	492	493	493	494	494	494	493	493	491	491	490	490	490	490	490	490	491	491	4	
9	482	482	483	483	484	485	487	488	489	489	490	491	491	490	488	486	485	483	482	482	483	483	483	483	483	484	486	487	4
12	479	479	478	478	480	483	485	487	487	487	487	487	487	485	482	478	475	473	472	473	475	477	479	479	480	481	482	4	
15	468	468	469	471	474	478	482	486	487	485	484	483	482	479	474	471	468	464	463	463	467	471	474	475	476	478	478	4	
18	453	456	458	463	467	470	476	483	485	482	480	479	479	474	467	464	459	456	454	454	455	460	464	468	471	474	473	4	
21	441	443	448	455	461	464	468	477	479	477	476	476	475	467	458	455	448	444	443	442	442	446	452	456	461	467	468	4	
24	428	429	437	444	454	459	462	471	473	471	472	470	466	455	444	440	433	429	430	429	427	428	438	444	452	458	461	4	
27	412	415	421	429	440	451	456	465	469	466	467	462	456	445	432	425	415	414	415	413	411	415	427	433	443	449	454	4	
30	394	399	403	411	422	437	447	457	463	462	461	457	449	437	423	412	398	398	398	395	396	403	416	422	433	441	448	4	

33	376	382	385	397	410	426	438	449	454	456	453	451	440	426	413	399	380	379	380	374	380	391	404	412	423	431	438	4
36	356	363	367	385	402	415	431	443	444	449	444	442	427	409	400	387	362	357	361	352	363	377	390	400	412	422	427	4
39	335	342	353	368	387	402	422	436	437	441	438	432	414	395	383	368	349	335	340	332	347	359	372	386	400	412	417	4
42	315	320	335	349	371	387	412	424	430	433	431	421	406	387	368	346	335	315	320	314	327	338	356	375	390	400	408	4
45	298	299	315	330	358	375	400	412	420	426	423	411	397	379	355	326	315	296	301	294	306	318	340	362	379	389	398	4
48	278	279	296	314	346	364	386	403	409	418	414	401	384	364	342	311	293	277	280	275	286	302	324	345	363	378	388	3
51	252	261	275	299	329	350	374	393	400	409	403	389	373	348	324	298	268	258	254	256	262	287	306	329	349	364	378	3
54	226	239	259	280	310	335	362	382	390	399	391	379	364	335	302	277	249	238	228	235	242	267	289	318	336	353	365	3
57	206	216	240	262	297	321	350	371	382	386	380	368	352	322	288	255	230	218	206	213	223	247	276	305	323	343	353	3
60	186	194	216	242	281	308	335	359	372	373	371	354	338	306	275	236	212	197	186	191	205	225	259	289	308	331	341	3
63	161	172	196	225	262	296	323	346	360	361	360	341	324	291	257	221	197	174	163	170	190	210	238	272	295	318	329	3
66	136	149	176	212	247	283	312	333	346	349	347	331	310	279	242	210	177	150	139	147	170	198	223	257	283	304	316	3
69	115	127	159	195	234	270	299	319	334	340	335	321	296	265	229	193	158	128	116	125	151	178	211	242	271	290	304	3
72	95	110	142	178	221	255	285	307	324	330	324	309	282	251	218	178	140	108	95	104	133	163	199	227	258	277	294	2
75	73	91	125	163	204	243	271	296	313	318	313	295	267	240	204	163	124	89	73	85	115	149	184	218	242	264	281	2
78	51	72	111	152	192	228	258	283	300	304	301	279	253	228	192	151	109	70	52	69	100	137	171	207	228	251	267	2
81	35	56	99	142	182	216	248	274	289	290	287	266	241	212	177	137	94	52	32	52	89	123	156	189	215	237	251	2
84	20	44	86	131	170	203	238	264	275	278	272	256	232	199	164	128	82	42	18	40	77	111	145	180	208	228	241	2
87	8	33	76	120	162	194	230	247	258	265	261	240	223	190	156	115	72	32	8	30	68	103	133	170	193	210	229	2
90	2	24	67	109	140	181	207	234	247	262	252	234	213	178	147	105	66	25	2	23	58	93	122	157	179	200	218	2
93	0	8	26	44	53	69	79	100	88	96	92	112	92	83	63	54	35	11	0	10	33	57	70	93	107	127	115	1
96	0	1	2	2	4	4	6	10	8	5	11	12	10	9	7	6	5	2	0	2	5	7	10	12	14	18	14	
99	0	0	1	1	1	1	1	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	
102	0	0	0	0	0	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	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	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	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	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	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	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	0	0	0	0	0	
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135	0	0	0	0	0	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	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	0	0	0	0	0	
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159	0	0	0	0	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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165	0	0	0	0	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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171	0	0	0	0	0	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	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	0	0	0	0	0	

Luminaire Report Summary

```
FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 0.76471
FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1
```

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