



Filename: SMC15L40W2500LD12030KBN

Manufacturer: TEXAS FLUORESCENTS

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 1725.4

Max Candela: 639.6 at Horizontal: 200°, Vertical: 3°

Input Wattage: 36

Luminous Opening: Rectangle w/Luminous Sides (L: 14.96", W: 14.96", H: 1.18")

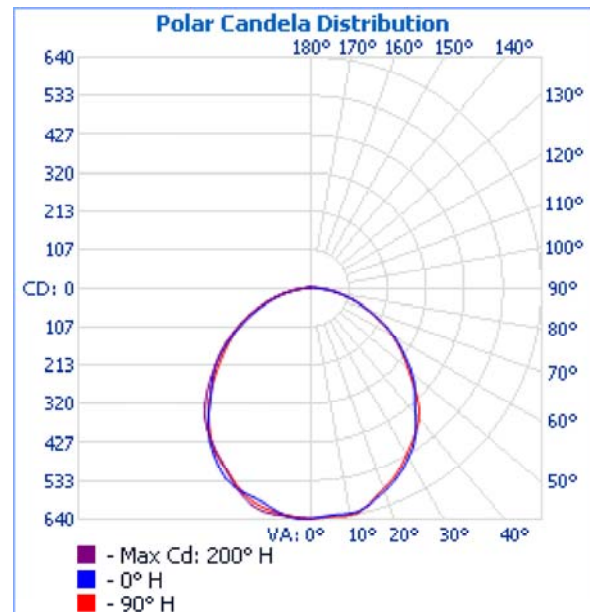
Test: SMC15L40W2500LD12030KBN

Test Date: 30-Aug-2017 07:38:16

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:	16.3	
Max Cd, 80 to <90 Deg:	75.9	
	Lumens % Lamp	
Downward Street Side:	882.4	51.1%
Downward House Side:	842.2	48.8%
Downward Total:	1,724.6	100%
Upward Street Side:	0.7	0%
Upward House Side:	0.4	0%
Upward Total:	1.2	0.1%
Total Lumens:	1,725.8	100%

Zonal Lumen Summary

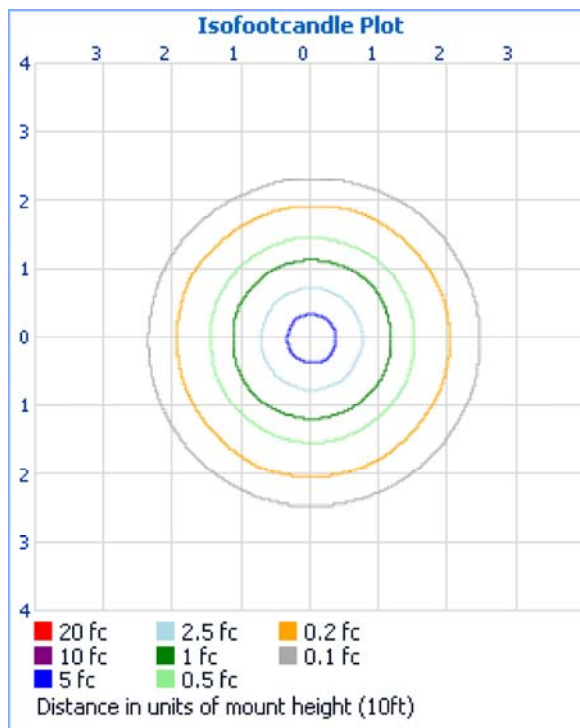
Zone	Lumens	% Luminaire
0-30	494.3	28.7%
0-40	800.5	46.4%
0-60	1,376.7	79.8%
60-90	347.6	20.1%
70-100	149.8	8.7%
90-120	1.2	0.1%
0-90	1,724.3	99.9%
90-180	1.2	0.1%
0-180	1,725.4	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.1%	1,692.8	161	160.5
Beam (50%):	69.3%	1,195.0	104.8	106.9
Total:	100%	1,725.0		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	60.3	3.5%	90-100	1.2	0.1%
10-20	174.4	10.1%	100-110	0.0	0%
20-30	259.6	15.0%	110-120	0	0%
30-40	306.1	17.7%	120-130	0	0%
40-50	308.3	17.9%	130-140	0	0%
50-60	267.9	15.5%	140-150	0	0%
60-70	198.9	11.5%	150-160	0	0%
70-80	114.2	6.6%	160-170	0	0%
80-90	34.4	2.0%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	221 fc	4.6 ft	4.4 ft
3.3ft	58.6 fc	8.9 ft	8.6 ft
5.0ft	25.5 fc	13.5 ft	13.0 ft
6.7ft	14.2 fc	18.1 ft	17.4 ft
8.3ft	9.26 fc	22.4 ft	21.6 ft
10.0ft	6.38 fc	27.0 ft	26.0 ft

■ Vert. Spread: 106.9°
 ■ Horiz. Spread: 104.8°

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	0	0	0	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.02	1.00	1.00	1.00	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.98	.94	.91	.94	.91	.89	.90	.88	.86	.86	.88	.86	.84	.84	.84	.84
2	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.76	.82	.78	.74	.79	.76	.72	.72	.76	.72	.70	.70	.70	.70
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.64	.73	.67	.63	.70	.65	.61	.61	.65	.61	.59	.59	.59	.59
4	.83	.71	.62	.56	.81	.70	.62	.53	.67	.60	.54	.65	.59	.54	.63	.57	.53	.53	.57	.53	.51	.51	.51	.51
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.58	.52	.47	.56	.51	.46	.46	.51	.46	.44	.44	.44	.44
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.41	.53	.46	.41	.51	.45	.41	.41	.45	.41	.39	.39	.39	.39
7	.65	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.41	.36	.47	.41	.36	.36	.41	.36	.34	.34	.34	.34
8	.61	.48	.39	.33	.59	.47	.39	.32	.45	.38	.33	.44	.38	.33	.43	.37	.33	.33	.37	.33	.31	.31	.31	.31
9	.57	.44	.35	.30	.56	.43	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.29	.29	.34	.29	.28	.28	.28	.28
10	.53	.40	.32	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.27	.31	.27	.25	.25	.25	.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	220	230	240	250	260
0	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
3	634	633	633	633	633	634	634	635	635	636	636	637	637	637	638	638	639	639	639	640	640	640	639	639	638	637	637
6	631	630	630	629	630	630	631	633	634	635	635	635	634	634	634	634	634	634	634	635	636	637	637	636	635	633	632
9	633	633	631	630	630	631	633	635	637	638	638	637	635	633	631	629	627	623	622	621	624	625	627	627	626	624	625
12	633	633	633	632	632	632	634	635	635	636	638	639	636	633	630	626	620	614	608	606	608	612	617	617	613	612	615
15	623	625	628	629	629	629	628	625	621	622	627	633	630	626	623	620	614	606	600	598	601	606	611	610	603	601	605
18	608	613	618	623	622	619	615	610	603	602	611	618	612	606	606	606	601	597	595	596	598	602	604	601	593	590	593
21	594	600	607	613	611	605	602	597	591	587	591	595	586	582	586	586	583	584	587	590	591	591	587	582	579	576	575
24	580	587	590	591	591	585	583	583	578	572	570	569	562	562	566	560	560	566	575	577	575	569	562	558	563	559	554
27	562	568	563	565	567	562	561	562	559	553	554	553	547	546	550	541	536	544	555	553	548	546	539	539	547	541	537
30	542	545	534	538	543	537	535	538	537	532	540	541	530	526	530	524	518	522	531	525	519	519	519	520	523	520	518

33	522	521	509	514	522	514	509	513	517	513	517	519	507	504	504	502	499	501	508	499	492	492	497	497	493	490	494
36	497	493	489	494	501	492	485	489	498	495	488	488	483	483	473	472	472	477	480	474	466	467	470	470	465	460	464
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42	432	429	442	448	450	438	438	446	453	450	440	432	436	435	421	414	416	412	411	415	415	416	407	405	413	412	414
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69	175	173	176	175	176	176	176	179	178	174	174	172	166	166	162	155	151	147	143	147	141	144	145	146	149	148	146
72	146	147	150	148	147	148	149	151	150	148	146	145	139	139	137	129	126	122	117	119	118	120	120	120	119	121	119
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81	70	70	71	74	75	73	76	75	72	71	69	69	66	64	60	58	53	46	45	42	44	46	44	45	44	46	46
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87	24	27	26	27	29	29	30	28	27	28	28	25	23	22	20	17	13	13	9	8	7	8	6	7	6	7	8
90	12	12	12	12	12	11	12	12	13	16	13	10	9	7	7	4	3	3	2	0	0	0	0	0	0	1	0
93	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
99	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	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
126	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
129	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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144	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
147	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
150	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
153	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
156	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
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
162	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
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
168	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
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: 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.