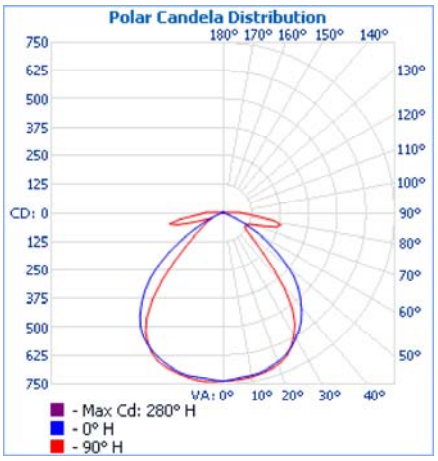
Filename: **201A132X1LN18W40K**
Manufacturer: TEXAS FLUORESCENTS
Lamp Output: Total luminaire Lumens: 1645.5
Max Candela: 743.5 at Horizontal: 280°, Vertical: 6°
Input Wattage: 17.8
Luminous Opening: Rectangle w/Luminous Sides (L: 47.99", W: 5.63", H: 4.57")
Test: 201A132X1LN18W40K
Test Date: 01-Mar-2017 15:19:23
Test Lab: Radiant Vision Systems ProSource
Photometry : Type C
Nema Type: 4 X 6



Roadway Summary

Cutoff Classification:		N/A
Distribution:		Type VS
Max Cd, 90 Deg Vert:		112.8
Max Cd, 80 to <90 Deg:		230.9
	Lumens	% Lamp
Downward Street Side:	809.2	49.2%
Downward House Side:	820.4	49.9%
Downward Total:	1,629.6	99%
Upward Street Side:	7.6	0.5%
Upward House Side:	8.8	0.5%
Upward Total:	16.4	1%
Total Lumens:	1,646.0	100%

Flood Summary

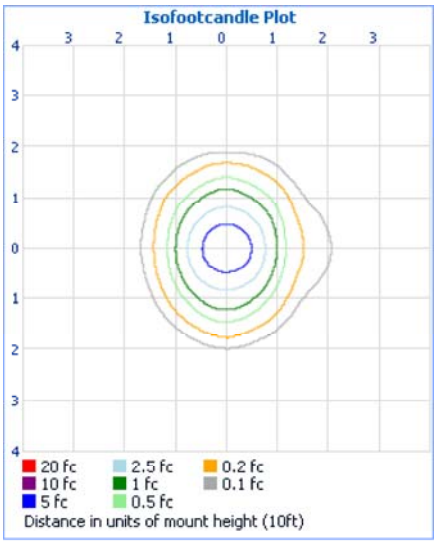
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.3%	1,584.2	52.4	128.8
Beam (50%):	68.5%	1,127.0	83.5	99.6
Total:	100%	1,645.8		

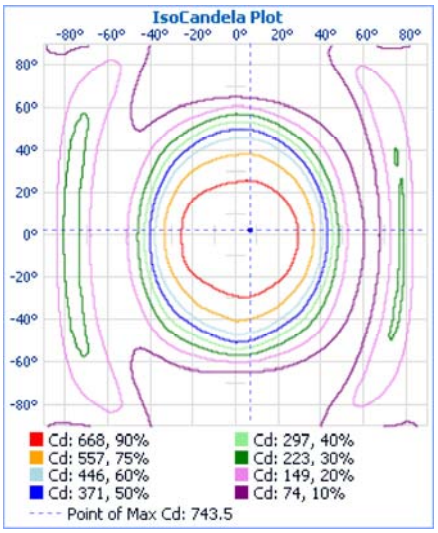
Zonal Lumen Summary

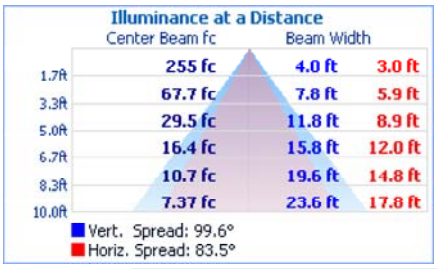
Zone	Lumens	% Luminaire
0-30	589.9	35.8%
0-40	950.2	57.7%
0-60	1,393.6	84.7%
60-90	235.6	14.3%
70-100	177.7	10.8%
90-120	16.4	1%
0-90	1,629.1	99%
90-180	16.4	1%
0-180	1,645.5	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	69.9	4.2%	90-100	16.4	1%
10-20	204.8	12.4%	100-110	0.0	0%
20-30	315.2	19.2%	110-120	0	0%
30-40	360.3	21.9%	120-130	0	0%
40-50	285.1	17.3%	130-140	0	0%
50-60	158.3	9.6%	140-150	0	0%
60-70	74.3	4.5%	150-160	0	0%
70-80	79.8	4.8%	160-170	0	0%
80-90	81.5	5.0%	170-180	0	0%







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	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.84	.97	.94	.91	.93	.91	.88	.89	.87	.86	.83
2	1.00	.93	.86	.81	.98	.91	.85	.73	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3	.93	.83	.76	.70	.90	.81	.75	.65	.78	.73	.68	.76	.71	.66	.73	.69	.65	.63
4	.86	.75	.67	.61	.84	.74	.66	.57	.71	.65	.59	.69	.63	.59	.66	.62	.58	.56
5	.80	.68	.60	.54	.78	.67	.59	.51	.65	.58	.53	.63	.57	.52	.61	.56	.51	.49
6	.74	.62	.54	.48	.72	.61	.53	.46	.59	.52	.47	.57	.51	.47	.56	.50	.46	.44
7	.69	.57	.49	.43	.68	.56	.48	.42	.54	.47	.42	.53	.47	.42	.51	.46	.42	.40
8	.65	.52	.44	.39	.63	.51	.44	.38	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9	.61	.48	.41	.35	.59	.48	.40	.34	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33
10	.57	.45	.37	.32	.56	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30

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	270	280	290	300	310	320	330	340	350	360
0	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737
3	732	732	731	732	733	734	734	735	735	735	735	735	734	733	733	733	733	733	734	735	735	737	738	739	740	740	740	740	740	740	739	738	736	735	733	733	732
6	725	725	726	728	730	732	733	734	734	734	733	732	730	729	729	728	728	728	729	731	734	737	739	741	742	742	743	743	743	743	742	740	738	734	730	727	725
9	723	722	723	725	727	729	731	731	731	731	729	728	727	726	727	728	728	728	729	732	737	740	741	740	739	739	740	742	742	742	742	740	737	732	728	725	723
12	721	719	719	719	722	723	725	726	726	726	725	724	723	724	727	730	730	728	729	734	740	742	740	735	731	732	735	737	737	736	734	732	730	726	723	722	721
15	713	711	710	711	713	716	718	720	720	721	722	722	720	719	724	728	727	723	724	731	738	738	734	728	727	729	731	731	730	727	724	723	720	719	719	716	713
18	703	701	700	700	703	708	711	713	713	714	718	720	716	713	718	722	718	715	716	724	730	729	725	724	726	729	729	725	723	720	715	713	710	712	713	710	703
21	693	690	689	690	693	698	701	703	703	704	708	711	707	705	710	713	710	707	706	715	721	717	717	720	722	723	722	720	715	711	706	703	701	702	704	700	693
24	679	676	677	675	680	685	686	686	685	686	688	693	694	690	693	692	696	697	694	704	710	704	707	711	708	706	707	708	704	699	694	693	690	688	689	684	679
27	659	658	658	657	660	663	664	664	659	657	659	667	672	669	667	664	671	678	680	689	691	687	689	693	688	685	687	687	686	681	679	678	675	673	671	667	659
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33	610	608	605	603	604	598	586	586	579	576	575	581	585	593	602	610	610	621	641	640	634	634	630	628	629	622	626	621	626	621	623	621	620	622	622	622	610
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Luminaire Report Summary

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[TEST]201A132X1LN18W40K
[TESTLAB]Radiant Vision Systems ProSource
[ISSUEDATE]3/2/2017 6:06:26 AM
[TESTDATE]01-Mar-2017 15:19:23
[MANUFAC]TEXAS FLUORESCENTS
[LAMP]
[_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.