



Filename: LINPF48LUF36WD18WDMV40KWH

Manufacturer: TEXAS FLUORESCENTS

Luminaire Cat: LINPF48LUF32WD32WDMV40KWH

Lamp Output: Total luminaire Lumens: 22.62625

Max Candela: 916.6 at Horizontal: 90°, Vertical: 110°

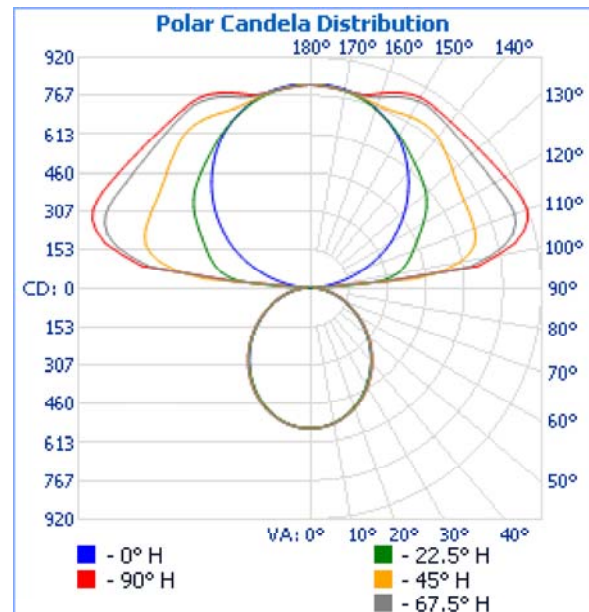
Input Wattage: 56.7

Luminous Opening: Rectangle w/Luminous Sides (L: 39.88", W: 4.37", H: 0.38")

Test Date: 06/09/15

Test Lab: INDEPENDENT LABORATORIES, INC.

Photometry : Type C



Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	Unclassified, Unclassified	
Max Cd, 90 Deg Vert:	23.9	
Max Cd, 80 to <90 Deg:	73.7	
	Lumens	% Lamp
Downward Street Side:	752.2	13.9%
Downward House Side:	752.2	13.9%
Downward Total:	1,504.4	27.7%
Upward Street Side:	1,963.0	36.1%
Upward House Side:	1,963.0	36.1%
Upward Total:	3,926.1	72.3%
Total Lumens:	5,430.5	100%

Flood Summary

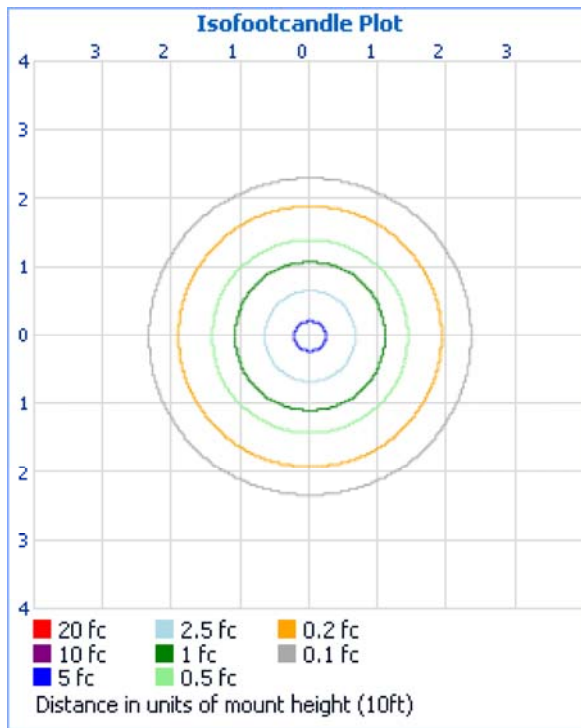
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.3%	5,340.2	173.9	n/a
Beam (50%):	73.1%	3,966.9	167.9	n/a
Total:	99.9%	5,425.3		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	423.9	7.8%
0-40	684.5	12.6%
0-60	1,180.1	21.7%
60-90	324.2	6%
70-100	446.2	8.2%
90-120	1,586.6	29.2%
0-90	1,504.3	27.7%
90-180	3,926.0	72.3%
0-180	5,430.3	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	52.7	1.0%	90-100	298.6	5.5%
10-20	149.3	2.8%	100-110	633.8	11.7%
20-30	221.8	4.1%	110-120	654.2	12%
30-40	260.7	4.8%	120-130	622.3	11.5%
40-50	263.1	4.8%	130-140	567.9	10.5%
50-60	232.5	4.3%	140-150	484.9	8.9%
60-70	176.6	3.3%	150-160	364.1	6.7%
70-80	106.8	2.0%	160-170	223.6	4.1%
80-90	40.8	0.8%	170-180	76.7	1.4%



	Center Beam fc	Beam Width
1.7R	193 fc	32.1 ft
3.3R	51.2 fc	62.2 ft
5.0R	22.3 fc	94.3 ft
6.7R	12.4 fc	126.3 ft
8.3R	8.09 fc	156.5 ft
10.0R	5.57 fc	188.5 ft

■ Horiz. Spread: 167.9°

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	
RCR: 0	1.02	1.02	1.02	1.02	.91	.91	.91	.28	.71	.71	.71	.53	.53	.53	.53	.36	.36	.36	.36	.28	
1	.93	.88	.85	.81	.83	.79	.76	.23	.62	.60	.58	.46	.45	.43	.43	.31	.30	.30	.30	.23	
2	.84	.77	.71	.66	.75	.69	.64	.20	.54	.51	.48	.40	.38	.36	.36	.27	.26	.25	.25	.19	
3	.77	.68	.61	.55	.68	.61	.55	.17	.48	.43	.40	.35	.33	.30	.30	.24	.23	.21	.21	.16	
4	.70	.60	.52	.46	.62	.54	.47	.14	.42	.38	.34	.32	.28	.26	.26	.22	.20	.18	.18	.14	
5	.64	.53	.45	.39	.57	.48	.41	.13	.38	.33	.29	.28	.25	.22	.22	.19	.17	.16	.16	.12	
6	.59	.47	.40	.34	.53	.43	.36	.11	.34	.29	.25	.25	.22	.19	.19	.18	.15	.14	.14	.11	
7	.54	.43	.35	.30	.49	.38	.32	.10	.30	.26	.22	.23	.20	.17	.17	.16	.14	.12	.12	.09	
8	.50	.39	.31	.26	.45	.35	.28	.09	.28	.23	.19	.21	.18	.15	.15	.15	.13	.11	.11	.08	
9	.47	.35	.28	.23	.42	.32	.25	.08	.25	.21	.17	.19	.16	.14	.14	.14	.11	.10	.10	.08	
10	.44	.32	.25	.20	.39	.29	.23	.07	.23	.19	.15	.18	.14	.12	.12	.13	.10	.09	.09	.07	

Candela Table - Type C

	0	22.5	45	67.5	90
0	557	557	557	557	557
2.5	557	557	557	557	556
5	555	555	554	556	554
7.5	551	550	552	552	551
10	546	545	546	547	545
12.5	539	537	539	541	540
15	529	528	530	531	530
17.5	519	517	520	522	521
20	508	504	510	511	510
22.5	495	492	497	499	498
25	480	477	483	485	484

27.5	465	463	468	469	470
30	448	447	453	454	454
32.5	432	430	435	437	437
35	414	414	418	419	419
37.5	395	395	400	402	403
40	377	378	381	382	382
42.5	357	358	361	363	363
45	337	338	342	344	344
47.5	318	319	322	324	324
50	298	298	302	303	303
52.5	277	278	281	282	283
55	256	257	261	263	263
57.5	236	238	240	242	242
60	215	216	220	221	222
62.5	194	196	199	200	201
65	173	175	180	181	182
67.5	154	156	160	161	161
70	133	136	139	141	142
72.5	113	116	120	122	125
75	93	98	101	105	107
77.5	76	79	83	86	89
80	58	61	65	71	74
82.5	42	44	50	57	59
85	25	28	36	44	47
87.5	9	16	26	32	35
90	0	6	15	22	24
92.5	22	126	53	31	32
95	48	275	422	326	301
97.5	75	324	538	638	674
100	104	357	605	720	753
102.5	134	382	649	789	832
105	167	401	676	834	879
107.5	201	418	688	855	906
110	237	435	694	864	917
112.5	271	453	696	863	916
115	305	473	700	858	910
117.5	339	496	702	851	901
120	372	519	705	845	893
122.5	404	543	710	841	884
125	435	565	717	838	878
127.5	465	583	726	835	873
130	495	600	738	836	870
132.5	523	612	749	837	868
135	551	625	762	840	867
137.5	579	636	775	843	867
140	605	648	788	848	868
142.5	630	661	795	853	871
145	655	676	797	858	873
147.5	677	690	796	863	876

150	699	706	792	859	876
152.5	716	720	786	852	870
155	734	735	780	841	857
157.5	749	747	776	825	843
160	763	760	777	808	825
162.5	775	771	782	798	808
165	786	781	787	794	798
167.5	795	789	793	796	796
170	802	796	798	798	798
172.5	808	802	803	801	800
175	812	807	807	804	803
177.5	811	810	810	808	807
180	810	810	810	810	810

Luminaire Report Summary

IESNA:LM-63-2002
 [TESTLAB]INDEPENDENT LABORATORIES, INC.
 [TESTDATE]06/09/15
 [ISSUEDATE]07/16/15
 [MANUFAC]TEXAS FLUORESCENTS
 [LUMCAT]LINPF48LUF32WD32WDMV40KWH
 [OTHER]TOTAL INPUT WATTS = 64 AT 120.0 VOLTS
 [_ABSOLUTE LUMENS]5431

FILE: CREATED USING ABSOLUTE PHOTOMETRY
 FILE: CANDELA MULTIPLIER: 1.038
 FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 5
 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.