



**Filename:** L23PSF44LJ28W2800LDMV35K

**Manufacturer:** SAYLITE-TEXAS FLUORESCENTS REINVENTED

**Lamp:** LED Module

**Lamp Output:** Total luminaire Lumens: 3024

**Max Candela:** 1,226.1 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 28

**Luminous Opening:** Rectangle w/Luminous Sides (L: 44.09", W: 3.15", H: 1.97")

**Test:** L23PSF44LJ28W2800LDMV35K

**Test Date:** 31-Aug-2022 06:57:47

**Test Lab:** Radiant Vision Systems ProSource

**Photometry :** Type C

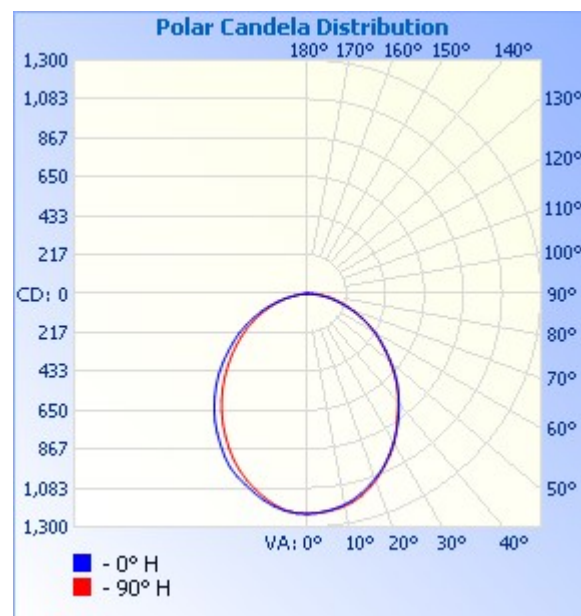
**Nema Type:** 7 X 7

#### Roadway Summary

Cutoff Classification:	N/A
Distribution:	Type VS
Max Cd, 90 Deg Vert:	31.0
Max Cd, 80 to <90 Deg:	119.8
Lumens % Lamp	
Downward Street Side:	1,508.4 49.9%
Downward House Side:	1,512.6 50%
Downward Total:	3,021.0 99.9%
Upward Street Side:	1.7 0.1%
Upward House Side:	2.0 0.1%
Upward Total:	3.7 0.1%
Total Lumens:	3,024.7 100%

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	911.8	30.2%
0-40	1,454.4	48.1%
0-60	2,442.6	80.8%
60-90	577.7	19.1%
70-100	248.3	8.2%
90-120	3.7	0.1%
0-90	3,020.3	99.9%
90-180	3.7	0.1%
0-180	3,024.0	100%

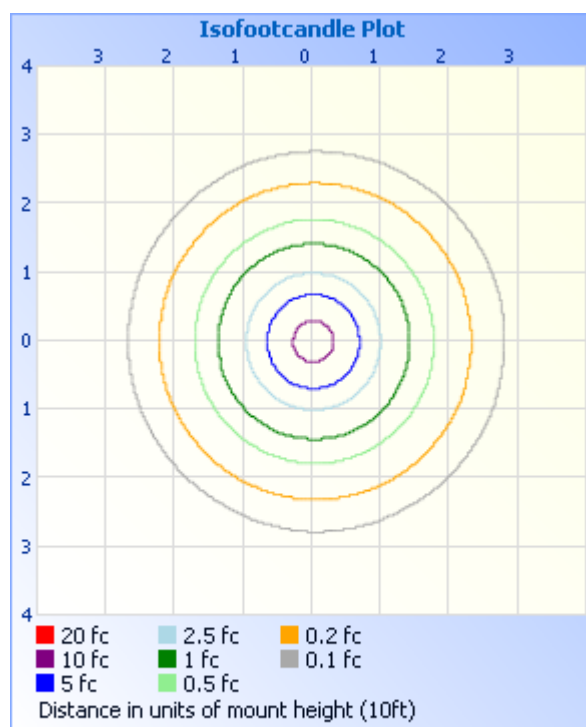


#### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.4%	2,946.2	158.5	156.9
Beam (50%):	64.5%	1,951.1	96.7	100.6
Total:	100%	3,023.5		

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	114.9	3.8%	90-100	3.7	0.1%
10-20	324.3	10.7%	100-110	0.0	0%
20-30	472.6	15.6%	110-120	0	0%
30-40	542.6	17.9%	120-130	0	0%
40-50	532.9	17.6%	130-140	0	0%
50-60	455.3	15.1%	140-150	0	0%
60-70	333.1	11.0%	150-160	0	0%
70-80	187.3	6.2%	160-170	0	0%
80-90	57.3	1.9%	170-180	0	0%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
1.7ft	424 fc	4.1 ft	3.8 ft
3.3ft	113 fc	8.0 ft	7.4 ft
5.0ft	49.0 fc	12.1 ft	11.2 ft
6.7ft	27.3 fc	16.1 ft	15.1 ft
8.3ft	17.8 fc	20.0 ft	18.7 ft
10.0ft	12.3 fc	24.1 ft	22.5 ft

■ Vert. Spread: 100.6°  
 ■ Horiz. Spread: 96.7°

#### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>			
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	1.00			
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84			
2	.99	.91	.85	.79	.97	.90	.83	.72	.86	.81	.76	.83	.78	.75	.80	.76	.73	.71			
3	.91	.81	.73	.66	.89	.79	.72	.62	.76	.70	.65	.73	.68	.63	.71	.66	.62	.60			
4	.84	.72	.63	.57	.81	.70	.62	.54	.68	.61	.55	.66	.60	.55	.63	.58	.54	.52			
5	.77	.64	.56	.49	.75	.63	.55	.47	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45			
6	.71	.58	.49	.43	.69	.57	.49	.42	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40			
7	.66	.53	.44	.38	.64	.52	.44	.37	.51	.43	.38	.49	.42	.38	.48	.42	.37	.35			
8	.62	.48	.40	.34	.60	.48	.40	.33	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32			
9	.58	.45	.36	.31	.56	.44	.36	.30	.43	.36	.31	.42	.35	.31	.41	.35	.30	.29			
10	.54	.41	.33	.28	.53	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26			

#### 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
0	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226
3	1222	1222	1221	1222	1221	1221	1222	1222	1222	1223	1223	1224	1224	1224	1225	1225	1225	1224	1224	1223	1222	1223	1223
6	1212	1213	1214	1214	1213	1212	1213	1213	1214	1215	1216	1217	1218	1219	1220	1220	1219	1217	1215	1211	1209	1207	1207
9	1198	1199	1201	1199	1198	1198	1199	1202	1204	1205	1205	1204	1204	1204	1204	1203	1204	1201	1199	1194	1190	1184	1184
12	1179	1180	1181	1181	1182	1181	1182	1185	1188	1189	1187	1183	1183	1185	1186	1182	1179	1177	1176	1174	1170	1165	1165
15	1152	1153	1156	1157	1157	1158	1158	1162	1164	1165	1163	1160	1160	1164	1164	1161	1157	1150	1148	1148	1150	1145	1145
18	1120	1124	1124	1128	1127	1129	1131	1132	1134	1133	1134	1132	1131	1135	1136	1135	1131	1126	1119	1122	1123	1120	1120
21	1086	1090	1092	1096	1095	1096	1100	1101	1098	1094	1097	1100	1097	1096	1099	1101	1100	1097	1092	1090	1089	1087	1087
24	1049	1053	1055	1053	1054	1056	1059	1061	1057	1052	1053	1060	1058	1055	1056	1056	1060	1060	1060	1052	1044	1037	1037
27	1005	1010	1011	1012	1012	1014	1015	1012	1012	1010	1008	1014	1017	1012	1014	1015	1014	1019	1018	1011	996	990	990
30	957	964	966	969	967	967	966	963	964	963	962	966	967	962	967	970	965	974	971	965	949	944	944

33	910	917	921	924	920	918	915	912	913	907	912	912	914	915	922	923	913	926	925	912	900	901
36	861	870	871	875	867	868	864	863	863	851	860	860	865	869	875	877	860	871	878	853	845	857
39	809	819	822	816	812	814	806	812	810	801	806	811	810	818	822	823	816	811	827	800	798	801
42	757	764	767	765	763	758	753	752	751	753	748	753	753	760	765	768	770	751	774	749	751	747
45	705	707	710	710	709	702	700	694	692	699	691	695	698	706	704	707	720	698	720	695	702	685
48	651	652	656	654	654	647	648	641	638	643	636	644	647	653	652	648	666	649	665	641	651	626
51	593	600	598	603	604	595	595	586	588	588	585	594	594	597	602	599	602	599	606	591	588	578
54	536	545	553	545	550	546	537	536	533	534	533	541	539	541	541	544	549	545	548	540	534	526
57	486	492	498	490	496	496	482	485	481	480	482	487	490	489	486	492	490	492	494	488	474	473
60	437	440	438	437	436	440	428	432	430	428	427	435	433	433	433	436	435	440	441	435	420	415
63	383	386	388	388	378	384	381	383	380	380	376	384	380	376	377	384	389	388	385	382	377	361
66	328	329	332	338	332	332	333	334	328	332	327	333	331	329	329	335	332	333	329	327	322	315
69	276	277	280	278	284	281	284	286	279	283	283	283	282	282	282	279	282	278	276	272	271	262
72	227	228	231	228	235	237	238	239	236	236	241	238	236	234	240	231	233	226	225	219	222	214
75	178	179	181	184	185	194	192	193	194	195	197	196	193	191	194	186	181	176	174	170	171	166
78	131	132	135	144	141	149	149	150	153	156	154	153	153	149	150	143	135	129	126	123	124	124
81	92	93	102	109	111	116	116	120	119	120	117	118	114	110	108	102	95	82	78	75	81	81
84	54	58	60	69	70	75	80	81	86	83	84	81	79	74	70	66	56	50	43	45	44	48
87	23	26	28	32	41	42	47	47	51	53	53	48	46	42	40	34	27	23	16	18	19	21
90	6	6	8	12	14	18	23	24	23	31	30	23	21	19	17	13	9	6	1	3	5	7
93	0	0	1	1	1	2	4	4	4	5	5	5	5	4	3	3	1	1	0	1	2	3
96	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	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

## Luminaire Report Summary

```
FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1.39097
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.