



Filename: L23PSF22LJ14W1400LDMV35K

Manufacturer: SAYLITE-TEXAS FLUORESCENTS REINVENTED

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 1512

Max Candela: 613.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 14

Luminous Opening: Rectangle w/Luminous Sides (L: 22.05", W: 3.15", H: 1.97")

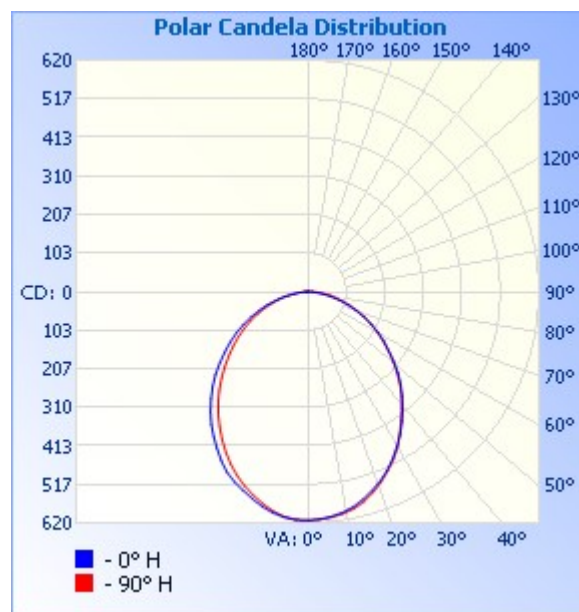
Test: L23PSF22LJ14W1400LDMV35K

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:	15.5	
Max Cd, 80 to <90 Deg:	59.9	
	Lumens % Lamp	
Downward Street Side:	754.2	49.9%
Downward House Side:	756.3	50%
Downward Total:	1,510.5	99.9%
Upward Street Side:	0.9	0.1%
Upward House Side:	1.0	0.1%
Upward Total:	1.9	0.1%
Total Lumens:	1,512.4	100%

Zonal Lumen Summary

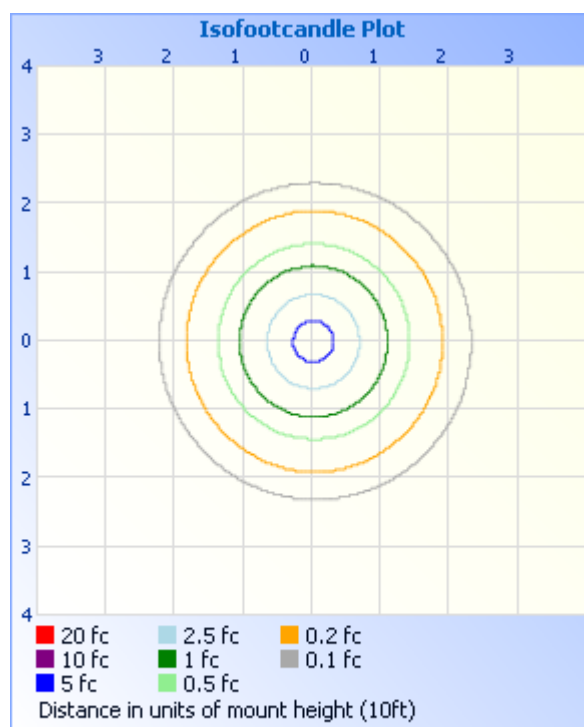
Zone	Lumens	% Luminaire
0-30	455.9	30.2%
0-40	727.2	48.1%
0-60	1,221.3	80.8%
60-90	288.8	19.1%
70-100	124.1	8.2%
90-120	1.9	0.1%
0-90	1,510.1	99.9%
90-180	1.9	0.1%
0-180	1,512.0	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.4%	1,473.1	158.5	156.9
Beam (50%):	64.5%	975.5	96.7	100.6
Total:	100%	1,511.7		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	57.5	3.8%	90-100	1.9	0.1%
10-20	162.1	10.7%	100-110	0.0	0%
20-30	236.3	15.6%	110-120	0	0%
30-40	271.3	17.9%	120-130	0	0%
40-50	266.5	17.6%	130-140	0	0%
50-60	227.6	15.1%	140-150	0	0%
60-70	166.6	11.0%	150-160	0	0%
70-80	93.6	6.2%	160-170	0	0%
80-90	28.6	1.9%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	212 fc	4.1 ft	3.8 ft
3.3ft	56.3 fc	8.0 ft	7.4 ft
5.0ft	24.5 fc	12.1 ft	11.2 ft
6.7ft	13.7 fc	16.1 ft	15.1 ft
8.3ft	8.90 fc	20.0 ft	18.7 ft
10.0ft	6.13 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	230	240	250	260	2
0	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	6
3	611	611	611	611	611	611	611	611	611	611	611	612	612	612	612	613	612	612	612	612	611	611	611	611	611	612	612	6
6	606	606	607	607	606	606	606	607	607	608	608	609	609	609	610	610	610	608	607	606	605	603	603	602	604	605	606	6
9	599	600	600	599	599	599	600	601	602	603	602	602	602	602	602	602	600	599	597	595	592	590	590	592	594	595	5	
12	589	590	590	590	591	590	591	593	594	595	593	592	591	592	593	591	590	589	588	587	585	583	581	581	582	581	581	5
15	576	576	578	579	578	579	579	581	582	583	581	580	580	582	582	581	578	575	574	574	575	573	569	569	569	568	565	5
18	560	562	562	564	563	565	565	566	567	566	567	566	566	568	568	568	565	563	560	561	561	560	555	553	551	550	548	5
21	543	545	546	548	547	548	550	550	549	547	548	550	549	548	550	550	550	548	546	545	544	544	538	534	533	532	530	5
24	524	526	527	526	527	528	529	530	529	526	527	530	529	528	528	528	530	530	530	526	522	519	516	513	511	511	509	5
27	502	505	505	506	506	507	507	506	506	505	504	507	509	506	507	508	507	509	509	505	498	495	493	490	488	487	485	4
30	479	482	483	485	483	483	483	481	482	481	481	483	484	481	483	485	483	487	485	483	475	472	468	464	463	465	459	4

33	455	459	460	462	460	459	457	456	457	454	456	456	457	457	461	461	457	463	463	456	450	451	446	441	437	439	433	4
36	430	435	435	437	433	434	432	432	431	425	430	430	433	435	438	439	430	435	439	427	422	428	422	418	412	412	405	4
39	404	410	411	408	406	407	403	406	405	401	403	406	405	409	411	411	408	405	414	400	399	401	394	393	385	386	379	3
42	378	382	383	382	381	379	376	376	375	376	374	377	377	380	382	384	385	376	387	374	376	373	367	364	359	357	352	3
45	353	354	355	355	355	351	350	347	346	350	346	347	349	353	352	353	360	349	360	347	351	343	338	336	331	328	326	3
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54	268	273	276	272	275	273	269	268	266	267	267	271	270	271	271	272	274	272	274	270	267	263	259	257	252	249	248	2
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60	218	220	219	219	218	220	214	216	215	214	214	217	217	217	216	218	218	220	220	217	210	207	206	204	199	198	195	1
63	192	193	194	194	189	192	190	191	190	190	188	192	190	188	189	192	194	194	193	191	188	181	180	176	174	174	170	1
66	164	165	166	169	166	166	167	167	164	166	164	167	166	165	165	167	166	166	165	163	161	157	155	151	149	149	146	1
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72	113	114	115	114	118	119	119	120	118	118	121	119	118	117	120	116	117	113	112	110	111	107	106	103	103	102	101	1
75	89	90	90	92	93	97	96	96	97	98	99	98	96	96	97	93	91	88	87	85	85	83	83	83	82	82	80	
78	65	66	67	72	71	74	75	75	77	78	77	76	76	74	75	72	67	64	63	62	62	62	62	62	62	62	60	
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87	12	13	14	16	20	21	23	24	26	27	26	24	23	21	20	17	13	12	8	9	9	10	12	12	14	12	14	
90	3	3	4	6	7	9	12	12	11	15	15	12	10	9	9	6	4	3	1	1	2	4	6	7	8	7	8	
93	0	0	0	1	1	1	2	2	2	2	2	3	3	2	2	1	1	0	0	0	1	2	3	4	4	6	4	
96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	
99	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	
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	
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132	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	
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	
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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

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FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 0.69548
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.