



**Filename:** L23PSF89LJ56W5600LDMV35K

**Manufacturer:** SAYLITE-TEXAS FLUORESCENTS REINVENTED

**Lamp:** LED Module

**Lamp Output:** Total luminaire Lumens: 6048

**Max Candela:** 2,452.1 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 56

**Luminous Opening:** Rectangle w/Luminous Sides (L: 88.98", W: 3.15", H: 1.97")

**Test:** L23PSF89LJ56W5600LDMV35K

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

**Test Lab:** Radiant Vision Systems ProSource

**Photometry :** Type C

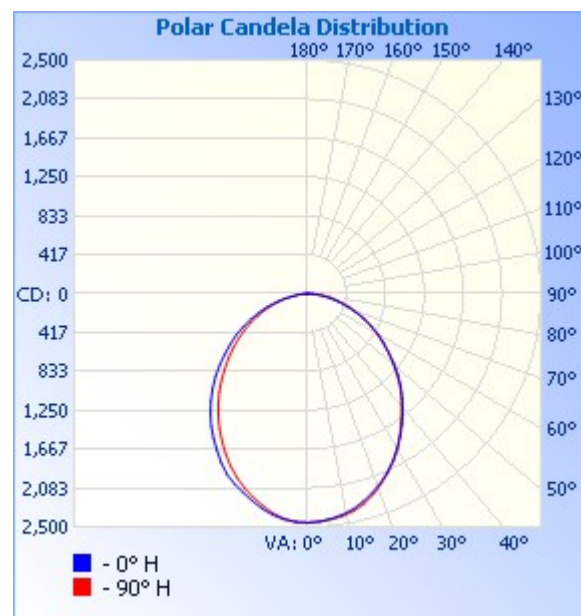
**Nema Type:** 7 X 7

#### Roadway Summary

Cutoff Classification:	N/A
Distribution:	Type VS
Max Cd, 90 Deg Vert:	62.0
Max Cd, 80 to <90 Deg:	239.7
Lumens % Lamp	
Downward Street Side:	3,016.7 49.9%
Downward House Side:	3,025.3 50%
Downward Total:	6,042.0 99.9%
Upward Street Side:	3.5 0.1%
Upward House Side:	4.0 0.1%
Upward Total:	7.4 0.1%
Total Lumens:	6,049.4 100%

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,823.6	30.2%
0-40	2,908.9	48.1%
0-60	4,885.2	80.8%
60-90	1,155.4	19.1%
70-100	496.5	8.2%
90-120	7.4	0.1%
0-90	6,040.5	99.9%
90-180	7.4	0.1%
0-180	6,048.0	100%

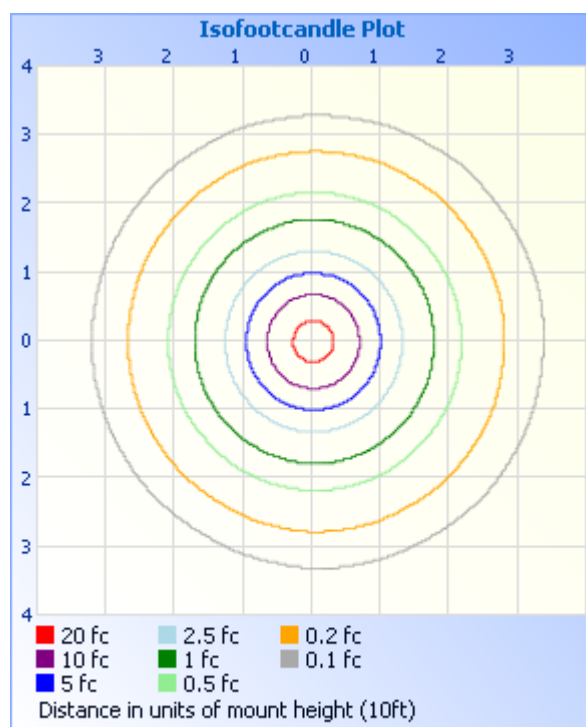


#### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.4%	5,892.4	158.5	156.9
Beam (50%):	64.5%	3,902.1	96.7	100.6
Total:	100%	6,046.9		

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	229.9	3.8%	90-100	7.4	0.1%
10-20	648.5	10.7%	100-110	0.0	0%
20-30	945.2	15.6%	110-120	0	0%
30-40	1,085.3	17.9%	120-130	0	0%
40-50	1,065.8	17.6%	130-140	0	0%
50-60	910.5	15.1%	140-150	0	0%
60-70	666.2	11.0%	150-160	0	0%
70-80	374.6	6.2%	160-170	0	0%
80-90	114.5	1.9%	170-180	0	0%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
1.7ft	848 fc	4.1 ft	3.8 ft
3.3ft	225 fc	8.0 ft	7.4 ft
5.0ft	98.1 fc	12.1 ft	11.2 ft
6.7ft	54.6 fc	16.1 ft	15.1 ft
8.3ft	35.6 fc	20.0 ft	18.7 ft
10.0ft	24.5 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	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2
3	2443	2443	2443	2444	2443	2443	2443	2444	2444	2445	2446	2447	2448	2449	2450	2450	2449	2449	2448	2446	2445	2445	2
6	2424	2426	2428	2427	2426	2425	2425	2427	2428	2431	2433	2434	2437	2438	2439	2440	2438	2434	2430	2423	2419	2414	2
9	2397	2399	2401	2398	2396	2396	2399	2404	2408	2410	2410	2408	2407	2408	2409	2407	2407	2401	2398	2388	2380	2367	2
12	2358	2359	2361	2362	2363	2362	2364	2370	2377	2379	2374	2367	2366	2370	2372	2364	2358	2354	2352	2347	2341	2331	2
15	2303	2305	2313	2314	2313	2315	2317	2323	2327	2330	2325	2320	2319	2328	2329	2322	2314	2301	2296	2296	2300	2291	2
18	2240	2248	2249	2256	2254	2259	2262	2265	2267	2266	2269	2265	2263	2271	2271	2271	2262	2253	2238	2244	2246	2241	2
21	2173	2181	2184	2191	2190	2191	2199	2202	2195	2188	2194	2200	2194	2193	2198	2201	2199	2193	2184	2180	2177	2175	2
24	2097	2105	2110	2105	2108	2112	2117	2121	2115	2104	2107	2119	2116	2110	2112	2113	2120	2121	2120	2104	2088	2075	2
27	2009	2021	2021	2024	2025	2028	2030	2023	2024	2020	2016	2027	2034	2025	2029	2031	2027	2038	2036	2022	1991	1979	1
30	1915	1928	1932	1939	1934	1933	1932	1925	1927	1926	1923	1931	1935	1923	1934	1940	1930	1947	1942	1930	1899	1889	1

33	1819	1835	1842	1848	1840	1837	1830	1823	1826	1814	1824	1823	1829	1829	1844	1846	1827	1851	1850	1824	1799	1802	1
36	1721	1740	1742	1750	1733	1736	1727	1726	1725	1701	1719	1721	1730	1739	1751	1755	1721	1741	1757	1707	1690	1713	1
39	1618	1638	1643	1633	1624	1629	1613	1625	1619	1602	1611	1623	1619	1636	1643	1646	1631	1622	1655	1600	1596	1602	1
42	1513	1528	1534	1529	1525	1517	1505	1504	1501	1506	1496	1507	1506	1521	1530	1536	1540	1502	1548	1497	1503	1493	1
45	1410	1414	1421	1419	1418	1405	1399	1389	1385	1399	1383	1390	1396	1412	1407	1414	1440	1397	1441	1389	1404	1371	1
48	1303	1303	1313	1308	1309	1293	1295	1282	1277	1287	1273	1287	1294	1307	1304	1296	1333	1297	1330	1281	1301	1252	1
51	1186	1200	1196	1206	1207	1189	1191	1171	1176	1176	1171	1187	1188	1195	1204	1198	1205	1198	1212	1182	1177	1155	1
54	1073	1090	1105	1089	1100	1092	1074	1071	1066	1068	1066	1083	1078	1083	1082	1089	1097	1090	1096	1079	1068	1052	1
57	972	984	997	980	992	992	963	969	962	961	963	974	980	978	971	984	981	984	988	976	948	946	
60	874	880	876	875	872	881	855	864	861	857	855	870	867	866	866	873	870	880	881	870	840	830	
63	766	772	776	777	756	768	762	765	761	760	751	769	761	752	754	768	777	776	770	764	753	723	
66	656	659	664	676	665	664	667	669	657	664	654	666	663	658	659	670	665	666	658	654	645	630	
69	552	553	561	556	568	563	569	573	558	566	566	567	564	564	564	557	564	557	552	545	542	524	
72	453	456	462	457	471	474	477	478	471	473	483	477	473	468	480	463	467	451	450	439	444	427	
75	356	358	361	368	371	389	383	385	387	390	394	391	385	383	389	372	363	351	348	339	342	332	
78	262	263	270	287	283	297	299	300	307	311	307	306	305	297	299	287	269	257	251	246	249	247	
81	184	186	204	217	222	231	233	239	238	240	235	235	227	220	217	204	190	163	156	151	162	162	
84	107	116	121	139	141	151	161	162	171	165	168	161	158	149	140	132	113	100	86	90	89	96	
87	47	52	56	64	81	85	93	95	103	107	105	95	91	84	80	68	54	47	32	37	37	41	
90	11	12	16	24	29	37	46	47	46	62	59	46	41	38	35	25	18	12	3	5	10	14	
93	0	1	2	2	3	4	7	9	9	10	9	11	10	8	6	5	3	1	1	1	5	7	
96	0	0	0	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
99	0	0	0	1	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: 2.78193
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.