



Filename: 201A48LS48W4800LDMV40K

Manufacturer: SAYLITE-TEXAS FLUORESCENTS REINVENTED

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 5717.9

Max Candela: 2,270.9 at Horizontal: 250°, Vertical: 12°

Input Wattage: 48.5

Luminous Opening: Rectangle w/Luminous Sides (L: 48.03", W: 5.91", H: 4.72")

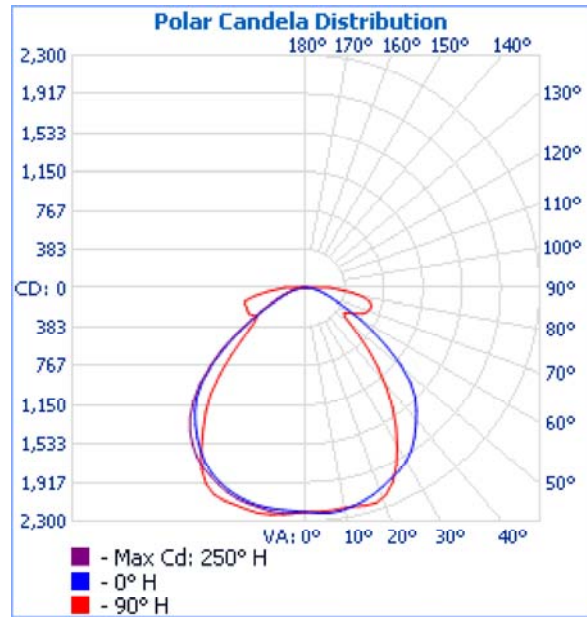
Test: 201A48LS48W4800LDMV40K

Test Date: 27-Jun-2018 12:57:57

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C

Nema Type: 5 X 7

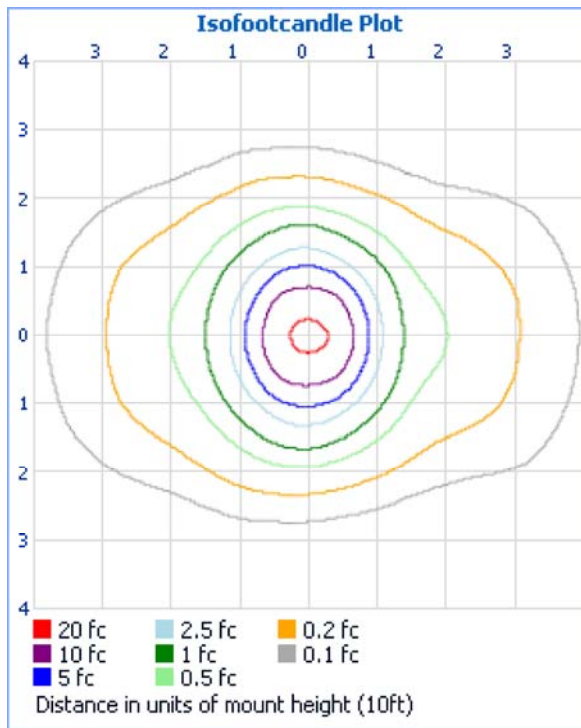


Roadway Summary		
Cutoff Classification:		N/A
Distribution:		Type VS
Max Cd, 90 Deg Vert:		313.3
Max Cd, 80 to <90 Deg:		574.0
	Lumens % Lamp	
Downward Street Side:	2,833.1	49.5%
Downward House Side:	2,826.6	49.4%
Downward Total:	5,659.8	99%
Upward Street Side:	28.7	0.5%
Upward House Side:	30.6	0.5%
Upward Total:	59.4	1%
Total Lumens:	5,719.1	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.3%	5,565.4	79.4	142.7
Beam (50%):	64.1%	3,664.7	86.5	103
Total:	100%	5,718.1		

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1,802.2	31.5%
0-40	2,914.7	51%
0-60	4,515.2	79%
60-90	1,143.3	20%
70-100	754.4	13.2%
90-120	59.4	1%
0-90	5,658.5	99%
90-180	59.4	1%
0-180	5,717.9	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	211.2	3.7%	90-100	59.3	1%
10-20	624.3	10.9%	100-110	0.1	0%
20-30	966.6	16.9%	110-120	0	0%
30-40	1,112.5	19.5%	120-130	0	0%
40-50	968.6	16.9%	130-140	0	0%
50-60	631.8	11.1%	140-150	0	0%
60-70	448.2	7.8%	150-160	0	0%
70-80	402.4	7.0%	160-170	0	0%
80-90	292.8	5.1%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7ft	763 fc	4.3 ft	3.2 ft
3.3ft	203 fc	8.3 ft	6.2 ft
5.0ft	88.3 fc	12.6 ft	9.4 ft
6.7ft	49.2 fc	16.9 ft	12.6 ft
8.3ft	32.0 fc	20.9 ft	15.6 ft
10.0ft	22.1 fc	25.2 ft	18.8 ft

■ Vert. Spread: 103.0°
■ Horiz. Spread: 86.5°

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	50	30	20	50	30	20	
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	1.01	1.01	1.01	1.01	1.01	1.01	
1	1.08	1.03	.98	.94	1.05	1.00	.96	.82	.96	.93	.89	.92	.89	.86	.88	.86	.84	.82	.82	.82	.82	.82	.82	
2	.99	.90	.84	.78	.96	.88	.82	.70	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69	.69	.69	.69	.69	.69	
3	.91	.80	.72	.66	.88	.79	.71	.61	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59	.59	.59	.59	.59	.59	
4	.83	.72	.63	.57	.81	.70	.62	.53	.68	.61	.55	.65	.59	.55	.63	.58	.54	.52	.52	.52	.52	.52	.52	
5	.77	.65	.56	.50	.75	.64	.55	.47	.61	.54	.49	.59	.53	.48	.57	.52	.47	.45	.45	.45	.45	.45	.45	
6	.72	.59	.50	.44	.70	.58	.50	.42	.56	.49	.43	.54	.48	.43	.52	.47	.42	.40	.40	.40	.40	.40	.40	
7	.67	.54	.45	.39	.65	.53	.45	.38	.51	.44	.39	.50	.43	.38	.48	.42	.38	.36	.36	.36	.36	.36	.36	
8	.62	.49	.41	.35	.61	.48	.41	.34	.47	.40	.35	.46	.39	.35	.44	.39	.34	.32	.32	.32	.32	.32	.32	
9	.58	.45	.37	.32	.57	.45	.37	.31	.43	.36	.32	.42	.36	.31	.41	.35	.31	.29	.29	.29	.29	.29	.29	
10	.55	.42	.34	.29	.53	.41	.34	.28	.40	.34	.29	.39	.33	.29	.38	.33	.28	.27	.27	.27	.27	.27	.27	

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	2	
0	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2207	2
3	2221	2220	2219	2216	2215	2213	2211	2209	2208	2206	2205	2203	2201	2200	2198	2198	2198	2199	2200	2202	2205	2208	2208	2
6	2231	2226	2222	2217	2213	2210	2209	2208	2208	2207	2204	2202	2199	2196	2194	2193	2194	2196	2200	2206	2214	2222	2222	2
9	2221	2214	2208	2200	2196	2195	2197	2199	2201	2200	2196	2191	2187	2185	2186	2188	2190	2193	2198	2207	2220	2233	2233	2
12	2199	2191	2185	2180	2180	2182	2187	2194	2200	2200	2193	2183	2175	2174	2178	2182	2184	2187	2193	2202	2215	2230	2230	2
15	2174	2165	2161	2157	2163	2176	2189	2201	2214	2219	2213	2195	2179	2170	2167	2169	2172	2175	2181	2191	2205	2219	2219	2
18	2143	2137	2130	2127	2139	2172	2193	2203	2217	2227	2224	2209	2190	2170	2148	2142	2144	2153	2161	2175	2189	2206	2206	2
21	2100	2096	2098	2095	2117	2159	2179	2176	2178	2188	2190	2185	2174	2153	2124	2102	2099	2113	2132	2152	2166	2183	2183	2
24	2055	2054	2066	2070	2093	2124	2127	2106	2090	2096	2102	2108	2110	2111	2093	2053	2042	2058	2093	2117	2124	2128	2128	2
27	2016	2015	2021	2040	2054	2052	2035	1991	1954	1956	1969	1979	2007	2034	2054	2018	1983	1995	2045	2068	2064	2073	2073	2
30	1969	1964	1954	1979	1974	1934	1901	1854	1796	1791	1813	1824	1861	1912	1977	1972	1932	1927	1984	2000	2007	2032	2032	2

33	1901	1890	1876	1894	1866	1795	1738	1688	1628	1623	1642	1649	1700	1769	1861	1894	1866	1857	1907	1918	1949	1996	20	
36	1815	1799	1792	1788	1720	1638	1566	1509	1452	1446	1462	1482	1542	1612	1699	1783	1775	1778	1821	1827	1884	1943	19	
39	1719	1701	1694	1632	1545	1458	1371	1327	1267	1256	1276	1313	1361	1432	1508	1619	1674	1685	1731	1733	1816	1827	17	
42	1619	1584	1554	1465	1368	1261	1182	1118	1067	1061	1077	1107	1179	1238	1323	1430	1540	1567	1635	1631	1716	1671	16	
45	1518	1443	1383	1271	1169	1056	980	922	870	874	880	909	983	1044	1135	1220	1355	1418	1523	1518	1576	1490	14	
48	1383	1284	1198	1062	964	865	792	755	698	704	708	745	801	859	949	1023	1146	1243	1376	1384	1397	1304	11	
51	1191	1114	979	866	784	708	649	607	571	560	577	603	660	707	777	855	913	1059	1182	1222	1159	1110	10	
54	979	912	806	688	637	579	534	499	482	469	483	504	549	597	637	694	745	858	967	1015	954	850	8	
57	788	711	639	566	538	484	457	434	451	447	451	450	476	514	546	573	598	675	767	804	755	714	6	
60	618	543	497	466	454	423	413	427	471	487	475	449	431	442	471	469	482	524	594	619	606	589	5	
63	461	417	397	383	378	371	400	464	528	553	535	484	423	392	394	391	399	412	456	478	504	492	4	
66	334	314	308	320	326	350	414	520	593	614	604	534	443	371	338	333	316	326	350	369	398	407	3	
69	254	239	249	261	292	349	454	572	636	647	652	579	476	373	302	271	257	260	270	285	318	321	2	
72	195	188	202	220	274	361	505	607	653	662	671	610	514	391	287	228	212	206	212	222	254	266	1	
75	155	147	160	191	266	396	550	625	653	667	664	627	554	431	282	199	174	161	169	174	196	225	0	
78	122	112	129	176	278	438	564	613	625	639	629	613	570	470	298	184	144	122	134	134	154	196	0	
81	96	86	110	169	293	459	550	574	564	569	563	565	543	476	312	174	117	87	95	93	124	175	0	
84	67	63	85	165	312	461	504	487	474	459	468	478	478	452	328	173	91	61	61	67	92	166	0	
87	34	36	66	161	324	407	412	360	327	321	327	350	373	395	324	171	71	34	29	36	66	166	0	
90	5	12	56	160	304	313	287	241	239	237	219	237	255	309	287	176	58	10	2	8	48	169	0	
93	0	1	32	105	134	119	94	84	76	75	76	101	106	147	163	129	40	4	0	5	46	130	0	
96	0	0	2	6	12	8	6	8	8	5	10	10	10	19	23	15	6	1	0	1	7	18	0	
99	0	0	1	2	2	1	1	1	1	0	2	1	0	1	1	0	0	0	0	0	0	0	1	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
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
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
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
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
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
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
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
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
129	0	0	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	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
138	0	0	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	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	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	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	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	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	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	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	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	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	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	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	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

180	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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Luminaire Report Summary

IESNA:LM-63-2002
[TEST] 201A48LS48W4800LDMV40K
[TESTDATE] 27-Jun-2018 12:57:57
[TESTLAB] Radiant Vision Systems ProSource
[ISSUEDATE] 6/27/2018 1:50:01 PM
[MANUFAC] SAYLITE-TEXAS FLUORESCENTS REINVENTED
[LAMP] LED Module
[_TOTALLUMINAIRELUMENS] 5717.9
[DRIVER TYPE] (1) OSRAM OT50W
[BOARD/LAMP TYPE] (4) LUMA SMART "S" BOARDS
[COLOR TEMP] 4,162 CCT
[LUMEN/WATT] 117 LPW
[CRI] 85.4
[_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.