



Filename: MOT22LY38W5000LDMV40K

Manufacturer: SAYLITE-TEXAS FLUORESCENTS REINVENTED

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 4978

Max Candela: 1,703.1 at Horizontal: 0°, Vertical: 0°

Input Wattage: 38

Luminous Opening: Rectangle w/Luminous Sides (L: 24.02", W: 24.02", H: 3.54")

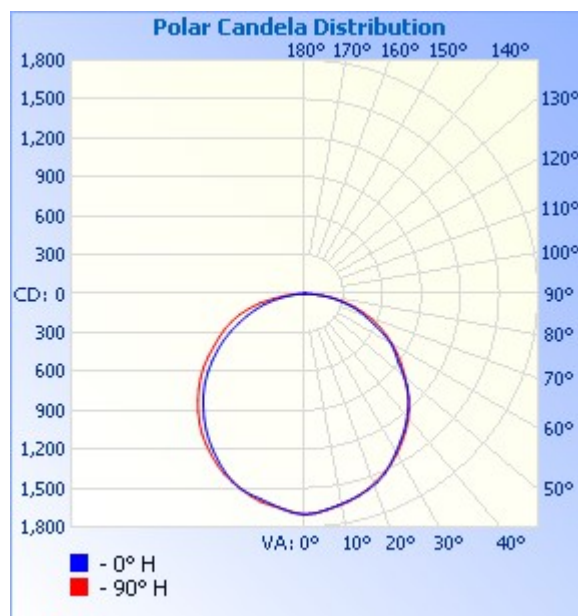
Test: MOT22LY38W5000LDMV40K

Test Date: 23-Jun-2022 08:26:37

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:	21.5	
Max Cd, 80 to <90 Deg:	256.2	
	Lumens	% Lamp
Downward Street Side:	2,517.1	50.6%
Downward House Side:	2,459.3	49.4%
Downward Total:	4,976.3	100%
Upward Street Side:	1.5	0%
Upward House Side:	1.1	0%
Upward Total:	2.6	0.1%
Total Lumens:	4,978.9	100%

Flood Summary

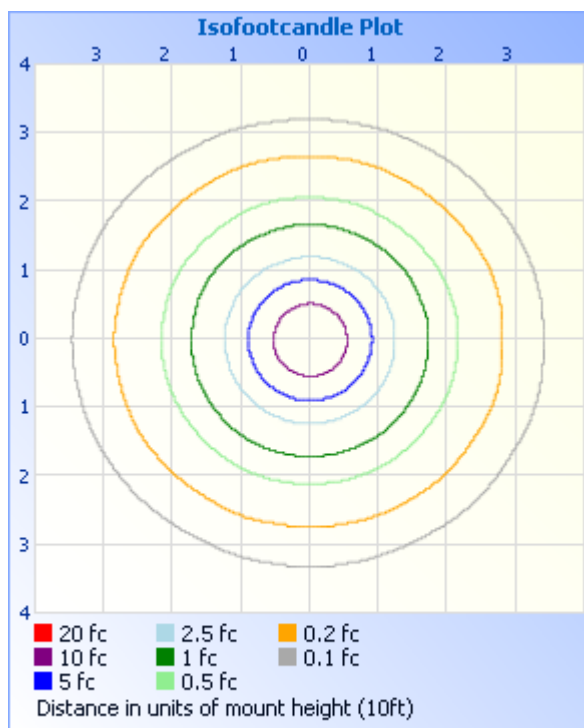
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.7%	4,913.9	166.8	163.3
Beam (50%):	71.3%	3,548.5	115.3	111.1
Total:	100%	4,976.6		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,304.5	26.2%
0-40	2,136.8	42.9%
0-60	3,804.0	76.4%
60-90	1,171.4	23.5%
70-100	539.0	10.8%
90-120	2.6	0.1%
0-90	4,975.4	99.9%
90-180	2.6	0.1%
0-180	4,978.0	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	159.1	3.2%	90-100	2.6	0.1%
10-20	456.1	9.2%	100-110	0.0	0%
20-30	689.4	13.8%	110-120	0	0%
30-40	832.3	16.7%	120-130	0	0%
40-50	871.2	17.5%	130-140	0	0%
50-60	796.0	16.0%	140-150	0	0%
60-70	634.9	12.8%	150-160	0	0%
70-80	408.3	8.2%	160-170	0	0%
80-90	128.1	2.6%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7R	589 fc	5.0 ft	5.4 ft
3.3R	156 fc	9.6 ft	10.4 ft
5.0R	68.1 fc	14.6 ft	15.8 ft
6.7R	37.9 fc	19.6 ft	21.1 ft
8.3R	24.7 fc	24.2 ft	26.2 ft
10.0R	17.0 fc	29.2 ft	31.6 ft

■ Vert. Spread: 111.1°
■ Horiz. Spread: 115.3°

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	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00
1	1.08	1.03	.99	.95	1.05	1.01	.97	.83	.97	.93	.90	.87	.93	.90	.87	.87	.89	.87	.85	.85	.82
2	.98	.89	.82	.76	.95	.87	.81	.69	.84	.78	.74	.74	.81	.76	.72	.72	.78	.74	.70	.70	.68
3	.89	.78	.70	.63	.87	.77	.69	.59	.74	.67	.61	.61	.71	.65	.60	.60	.68	.63	.59	.59	.57
4	.81	.69	.60	.53	.79	.68	.59	.50	.65	.58	.52	.52	.63	.57	.51	.51	.61	.55	.51	.51	.48
5	.75	.62	.52	.46	.73	.61	.52	.44	.58	.51	.45	.45	.56	.50	.44	.44	.54	.49	.44	.44	.42
6	.69	.55	.46	.40	.67	.54	.46	.38	.53	.45	.39	.39	.51	.44	.39	.39	.49	.43	.38	.38	.36
7	.64	.50	.41	.35	.62	.49	.41	.34	.48	.40	.35	.35	.46	.40	.34	.34	.45	.39	.34	.34	.32
8	.60	.46	.37	.31	.58	.45	.37	.30	.44	.36	.31	.31	.43	.36	.31	.31	.41	.35	.31	.31	.29
9	.56	.42	.34	.28	.54	.41	.33	.27	.40	.33	.28	.28	.39	.32	.28	.28	.38	.32	.28	.28	.26
10	.52	.39	.31	.25	.51	.38	.31	.25	.37	.30	.25	.25	.36	.30	.25	.25	.35	.29	.25	.25	.23

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	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703
3	1694	1694	1693	1695	1694	1694	1695	1695	1695	1695	1695	1695	1694	1694	1694	1695	1693	1693	1693	1692	1691	1692	1691	1692
6	1674	1673	1676	1677	1678	1678	1678	1677	1676	1675	1674	1675	1675	1674	1674	1674	1672	1669	1670	1670	1672	1673	1673	1673
9	1653	1652	1655	1657	1660	1660	1660	1660	1659	1657	1656	1654	1653	1652	1650	1646	1645	1641	1643	1646	1652	1655	1655	1655
12	1633	1633	1634	1636	1639	1639	1639	1639	1639	1638	1635	1631	1630	1630	1628	1622	1618	1618	1621	1625	1632	1640	1640	1640
15	1612	1612	1613	1610	1608	1609	1611	1614	1614	1613	1609	1606	1604	1606	1603	1600	1600	1602	1605	1606	1611	1616	1616	1616
18	1589	1591	1585	1579	1573	1578	1583	1585	1585	1582	1580	1576	1575	1576	1572	1573	1575	1584	1586	1585	1579	1583	1583	1583
21	1559	1558	1553	1546	1541	1546	1551	1551	1549	1548	1544	1541	1540	1539	1536	1535	1540	1548	1552	1554	1546	1544	1544	1544
24	1520	1517	1516	1508	1505	1509	1511	1509	1509	1511	1504	1499	1498	1497	1492	1485	1494	1501	1507	1513	1505	1495	1495	1495
27	1467	1471	1472	1469	1465	1467	1467	1464	1471	1470	1465	1455	1454	1452	1447	1439	1441	1454	1458	1458	1449	1446	1446	1446
30	1410	1420	1422	1417	1417	1417	1417	1420	1433	1424	1424	1412	1410	1404	1401	1392	1386	1401	1406	1392	1390	1396	1396	1396
33	1358	1367	1365	1359	1367	1371	1367	1366	1381	1373	1370	1363	1367	1357	1358	1348	1330	1338	1352	1331	1337	1352	1352	1352
36	1307	1309	1304	1304	1314	1323	1318	1314	1319	1319	1308	1314	1314	1295	1300	1300	1274	1267	1294	1273	1287	1307	1307	1307
39	1252	1248	1251	1244	1252	1263	1262	1263	1261	1265	1251	1263	1245	1225	1227	1228	1223	1196	1233	1215	1238	1242	1242	1242
42	1194	1183	1193	1187	1193	1198	1202	1199	1201	1204	1195	1202	1183	1164	1160	1151	1162	1128	1169	1150	1175	1170	1170	1170
45	1135	1112	1126	1120	1132	1135	1135	1134	1139	1132	1136	1136	1120	1105	1099	1078	1091	1066	1104	1078	1102	1093	1093	1093
48	1064	1042	1056	1050	1065	1066	1066	1071	1075	1057	1073	1063	1051	1041	1045	1018	1017	1006	1036	1007	1027	1026	1026	1026
51	975	982	978	984	993	994	999	1002	1008	988	1006	984	987	974	974	962	931	946	960	945	941	974	974	974
54	891	915	917	910	920	929	927	932	929	921	930	912	918	903	882	879	862	875	882	881	870	901	901	901
57	832	837	843	842	853	857	854	857	852	852	859	836	843	828	810	795	788	800	803	808	793	818	818	818
60	771	759	756	764	774	772	774	779	781	781	789	758	764	745	744	711	717	723	723	729	723	734	734	734
63	683	681	682	686	685	689	701	710	715	710	720	691	693	665	659	639	656	645	639	650	666	662	662	662
66	590	593	601	612	611	617	626	644	646	637	646	632	618	594	577	575	574	563	556	569	585	593	593	593
69	515	512	525	526	536	544	549	575	571	560	570	567	542	519	501	493	493	480	477	485	502	507	507	507
72	448	443	446	445	466	471	474	499	496	482	494	491	471	445	438	418	414	400	401	403	424	429	429	429
75	370	369	363	367	384	395	394	411	414	404	411	403	391	378	365	348	334	323	324	326	344	357	357	357
78	286	287	288	299	308	313	317	320	326	321	322	312	311	304	293	282	261	248	246	252	270	292	292	292
81	214	213	232	242	247	248	247	250	242	239	235	235	228	223	218	208	190	164	159	166	196	216	216	216
84	137	144	151	169	155	157	157	156	149	152	147	139	138	131	133	133	117	103	90	104	121	136	136	136
87	65	71	70	73	74	70	61	57	61	58	57	51	52	49	59	51	48	45	32	43	45	48	48	48
90	21	21	17	18	13	11	9	8	9	6	9	8	6	6	7	9	9	12	2	4	7	6	6	6
93	1	5	6	4	3	3	3	3	3	2	3	3	3	4	3	4	4	6	0	0	1	0	0	0
96	0	2	3	2	2	2	1	1	1	1	1	0	1	2	1	1	1	1	0	0	0	0	0	0
99	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1
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
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
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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
177	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

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] MOT22LY38W5000LDMV40K
[TESTDATE] 23-Jun-2022 08:26:37
[TESTLAB] Radiant Vision Systems ProSource
[ISSUE DATE] 6/23/2022 10:11:02 AM
[MANUFAC] SAYLITE-TEXAS FLUORESCENTS REINVENTED
[LAMP] LED Module
[_TOTALLUMINAIRELUMENS] 4978
[_DRIVER TYPE] (1) OSRAM OT50W_950MA
[_BOARD/LAMP TYPE] (2) SEOUL "Y" BOARDS_4000K
[_COLOR TEMP] 4083 CCT
[_LUMEN/WATT] 131 LPW
[_CRI] 84.3
[_NUMBEROFRAYS]10000000
[OTHER] Absolute Photometry measurement

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1.12796
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.