



Filename: MRT22LY33W4290LDMV40K

Manufacturer: SAYLITE-TEXAS FLUORESCENTS REINVENTED

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 4323

Max Candela: 1,479.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 33

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

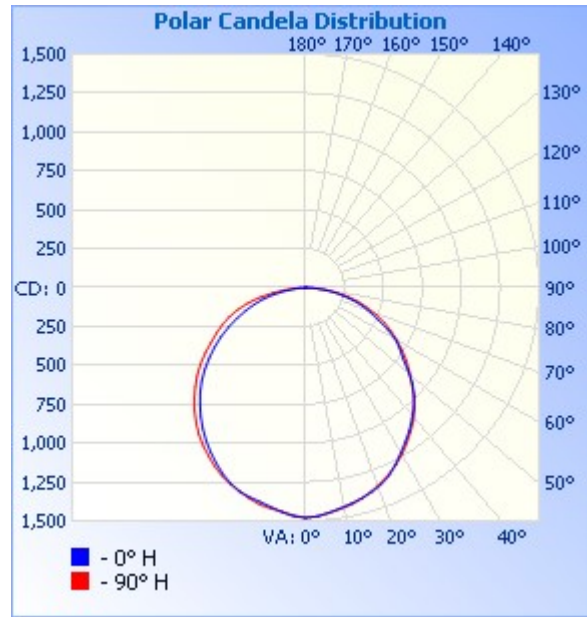
Test: MRT22LY33W4290LDMV40K

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

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C

Nema Type: 7 X 7

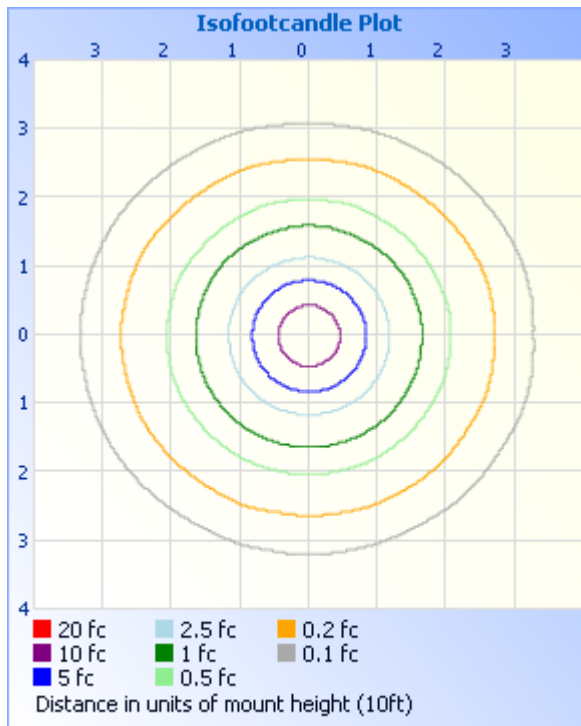


Roadway Summary		
Cutoff Classification:		N/A
Distribution:		Type VS
Max Cd, 90 Deg Vert:		18.7
Max Cd, 80 to <90 Deg:		222.5
	Lumens	% Lamp
Downward Street Side:	2,185.9	50.6%
Downward House Side:	2,135.7	49.4%
Downward Total:	4,321.5	100%
Upward Street Side:	1.3	0%
Upward House Side:	0.9	0%
Upward Total:	2.2	0.1%
Total Lumens:	4,323.8	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.7%	4,267.3	166.8	163.3
Beam (50%):	71.3%	3,081.6	115.3	111.1
Total:	100%	4,321.8		

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1,132.9	26.2%
0-40	1,855.6	42.9%
0-60	3,303.5	76.4%
60-90	1,017.2	23.5%
70-100	468.1	10.8%
90-120	2.2	0.1%
0-90	4,320.7	99.9%
90-180	2.2	0.1%
0-180	4,323.0	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	138.1	3.2%	90-100	2.2	0.1%
10-20	396.1	9.2%	100-110	0.0	0%
20-30	598.7	13.8%	110-120	0	0%
30-40	722.8	16.7%	120-130	0	0%
40-50	756.6	17.5%	130-140	0	0%
50-60	691.3	16.0%	140-150	0	0%
60-70	551.4	12.8%	150-160	0	0%
70-80	354.6	8.2%	160-170	0	0%
80-90	111.3	2.6%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7R	512 fc	5.0 ft	5.4 ft
3.3R	136 fc	9.6 ft	10.4 ft
5.0R	59.2 fc	14.6 ft	15.8 ft
6.7R	32.9 fc	19.6 ft	21.1 ft
8.3R	21.5 fc	24.2 ft	26.2 ft
10.0R	14.8 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	
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	.83	.93	.90	.87	.87	.89	.87	.85	.82	
2	.98	.89	.82	.76	.95	.87	.81	.69	.84	.78	.74	.74	.81	.76	.72	.72	.78	.74	.70	.68	
3	.89	.78	.70	.63	.87	.77	.69	.59	.74	.67	.61	.61	.71	.65	.60	.60	.68	.63	.59	.57	
4	.81	.69	.60	.53	.79	.68	.59	.50	.65	.58	.52	.52	.63	.57	.51	.51	.61	.55	.51	.48	
5	.75	.62	.52	.46	.73	.61	.52	.44	.58	.51	.45	.45	.56	.50	.44	.44	.54	.49	.44	.42	
6	.69	.55	.46	.40	.67	.54	.46	.38	.53	.45	.39	.39	.51	.44	.39	.39	.49	.43	.38	.36	
7	.64	.50	.41	.35	.62	.49	.41	.34	.48	.40	.35	.35	.46	.40	.34	.34	.45	.39	.34	.32	
8	.60	.46	.37	.31	.58	.45	.37	.30	.44	.36	.31	.31	.43	.36	.31	.31	.41	.35	.31	.29	
9	.56	.42	.34	.28	.54	.41	.33	.27	.40	.33	.28	.28	.39	.32	.28	.28	.38	.32	.28	.26	
10	.52	.39	.31	.25	.51	.38	.31	.25	.37	.30	.25	.25	.36	.30	.25	.25	.35	.29	.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	19	
0	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479	1479
3	1471	1471	1470	1472	1471	1471	1472	1472	1472	1472	1472	1472	1471	1471	1471	1472	1470	1470	1470	1470	1470
6	1453	1453	1455	1457	1457	1457	1457	1456	1455	1455	1454	1454	1454	1454	1454	1454	1452	1450	1450	1450	1450
9	1435	1435	1438	1439	1441	1442	1442	1441	1440	1439	1438	1437	1436	1435	1433	1429	1428	1425	1427	1427	1427
12	1418	1418	1419	1421	1423	1423	1423	1423	1424	1423	1420	1417	1416	1415	1414	1409	1405	1405	1407	1407	1407
15	1400	1400	1401	1398	1396	1397	1399	1402	1402	1401	1397	1394	1393	1394	1392	1389	1389	1391	1394	1394	1394
18	1380	1381	1376	1371	1366	1370	1374	1377	1377	1374	1372	1368	1368	1369	1366	1366	1368	1375	1377	1377	1377
21	1354	1353	1349	1343	1339	1342	1347	1347	1345	1344	1341	1338	1338	1337	1334	1333	1337	1344	1348	1348	1348
24	1320	1318	1317	1310	1307	1311	1312	1310	1310	1312	1306	1302	1301	1300	1295	1290	1297	1304	1309	1309	1309
27	1274	1277	1278	1275	1273	1274	1274	1272	1278	1277	1272	1264	1263	1261	1257	1249	1251	1262	1266	1266	1266
30	1225	1233	1235	1231	1230	1231	1231	1233	1244	1237	1237	1226	1225	1219	1217	1208	1203	1217	1221	1221	1221
33	1179	1187	1185	1180	1187	1191	1187	1186	1199	1192	1190	1184	1187	1178	1179	1170	1155	1162	1174	1174	1174
36	1135	1136	1132	1132	1141	1149	1145	1141	1146	1146	1136	1141	1141	1124	1129	1129	1106	1100	1124	1124	1124
39	1087	1084	1086	1081	1088	1097	1096	1097	1095	1099	1087	1097	1081	1064	1065	1066	1062	1038	1070	1070	1070
42	1037	1028	1036	1031	1036	1040	1044	1041	1043	1046	1037	1044	1027	1011	1007	1000	1009	980	1015	1015	1015
45	986	966	978	973	983	985	986	985	989	983	987	987	972	960	954	936	948	926	959	959	959
48	924	905	917	912	925	925	925	930	934	918	932	923	913	904	907	884	883	874	899	899	899
51	847	853	849	854	862	864	867	870	875	858	874	854	857	846	846	835	809	821	834	834	834
54	774	794	796	791	799	807	805	810	806	800	808	792	797	784	766	764	748	760	766	766	766
57	722	727	732	731	741	745	742	744	740	740	746	726	732	719	703	690	684	695	698	698	698
60	670	659	657	664	672	670	672	677	678	678	686	658	664	647	646	618	623	628	628	628	628
63	593	592	593	596	595	598	609	616	621	616	626	600	601	577	572	555	569	560	555	555	555
66	512	515	522	532	530	536	544	559	561	553	561	549	537	516	501	499	499	489	483	483	483
69	447	445	456	457	466	473	477	499	496	486	495	493	471	451	435	428	428	417	414	414	414
72	389	384	388	386	404	409	411	433	430	418	429	427	409	387	380	363	360	348	348	348	348
75	322	320	315	319	334	343	342	357	360	351	357	350	340	328	317	302	290	281	282	282	282
78	249	249	250	259	268	272	275	278	283	278	280	271	270	264	255	245	226	215	213	213	213
81	186	185	201	211	214	216	215	218	210	207	204	204	198	193	190	181	165	142	138	138	138
84	119	125	131	147	135	136	136	135	129	132	127	121	120	114	115	115	102	90	78	78	78
87	57	62	61	63	64	61	53	49	53	50	49	45	45	42	51	44	42	39	28	28	28
90	19	18	15	16	11	10	8	7	7	6	8	7	5	5	6	8	8	10	1	1	1
93	1	5	5	3	3	3	2	3	2	1	3	2	3	4	2	3	4	5	0	0	0
96	0	2	2	2	2	1	1	0	0	1	1	0	1	1	1	1	1	1	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
102	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
108	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
114	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
120	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
126	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
132	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
138	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
144	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
150	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
156	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
162	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
168	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
174	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
180	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] MRT22LY33W4290LDMV40K
[TESTDATE] 23-Jun-2022 08:26:37
[TESTLAB] Radiant Vision Systems ProSource
[ISSUEDATE] 6/23/2022 10:11:02 AM
[MANUFAC] SAYLITE-TEXAS FLUORESCENTS REINVENTED
[LAMP] LED Module
[_TOTALLUMINAIRELUMENS] 4323
[_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: 0.97954
FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

Photometrics Pro 1.3.29 copyright 2003-2024 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.