



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-2-L12-835-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.02

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 1-SEP-2021

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] LRX4-2-L12-835-DMA-DIM-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] white LEDs

[BALLAST] (1) Everline Driver

[MORE] Hz

[OTHER] This test was performed using the calibrated photodetector method

[MORE] of absolute photometry.

[\_SEARCH\_SOURCE] LED

[\_SEARCH\_APPLICATION] Indoor, Architectural, Classroom, Commercial, Office, Direct, Linear

[\_SEARCH\_MOUNTING] Recessed

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2442
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	20.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.94 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.00 ft

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14348	12133	10477
55	12434	10037	8612
65	10471	8355	7370
75	8348	6917	6459
85	6175	5843	5873

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1092.142	1092.142	1092.142	1092.142	1092.142
0.5	1108.092	1092.562	1087.105	1090.883	1087.105
1.0	1108.092	1092.142	1087.105	1090.883	1087.105
1.5	1107.672	1092.142	1086.686	1090.883	1086.686
2.0	1107.672	1091.722	1086.266	1090.463	1086.266
2.5	1106.833	1090.883	1085.846	1090.043	1085.846
3.0	1106.413	1090.463	1085.426	1089.624	1085.007
3.5	1105.574	1089.624	1084.587	1088.784	1084.167
4.0	1105.154	1088.784	1083.747	1087.945	1083.328
4.5	1103.895	1087.525	1082.908	1087.105	1082.488
5.0	1102.635	1086.686	1081.649	1086.266	1080.809
5.5	1101.796	1085.426	1080.390	1084.587	1079.550
6.0	1100.957	1084.167	1079.130	1083.328	1078.291
6.5	1099.278	1082.908	1077.871	1081.649	1076.192
7.0	1098.018	1081.229	1076.192	1079.550	1074.513
7.5	1096.759	1079.550	1074.513	1077.871	1072.834
8.0	1095.080	1078.291	1072.415	1075.773	1071.156
8.5	1093.401	1076.192	1070.736	1073.254	1068.637
9.0	1091.303	1074.513	1068.217	1070.736	1066.119
9.5	1089.624	1072.415	1066.119	1068.217	1063.600
10.0	1087.525	1070.316	1063.600	1065.699	1060.662
10.5	1085.426	1067.798	1061.082	1062.341	1057.304
11.0	1083.328	1065.699	1058.144	1059.403	1053.947
11.5	1080.809	1063.181	1055.206	1056.045	1050.169
12.0	1078.291	1060.243	1052.268	1052.268	1046.811
12.5	1075.773	1057.724	1048.910	1048.910	1042.614
13.0	1072.834	1054.786	1045.972	1045.132	1038.836
13.5	1070.316	1051.848	1042.194	1040.935	1034.639
14.0	1066.958	1048.490	1038.836	1036.738	1030.442
14.5	1064.020	1045.132	1035.059	1032.120	1026.244
15.0	1060.662	1041.774	1030.861	1027.923	1021.207
15.5	1057.304	1038.416	1026.664	1023.306	1016.590
16.0	1053.527	1034.639	1022.467	1018.269	1011.554
16.5	1049.749	1030.861	1018.269	1013.233	1006.097
17.0	1046.391	1027.084	1013.652	1007.776	1000.641
17.5	1042.194	1022.886	1009.035	1002.320	994.764
18.0	1038.416	1018.689	1003.998	996.443	988.468
18.5	1034.219	1014.492	998.962	990.567	982.172
19.0	1030.022	1009.875	993.925	983.851	975.457
19.5	1025.825	1005.258	988.468	977.136	967.902
20.0	1021.627	1000.641	982.592	970.420	960.766
20.5	1017.010	995.604	977.136	963.284	953.211
21.0	1012.393	990.987	970.840	955.729	945.236
21.5	1007.356	985.950	964.963	948.174	937.681
22.0	1002.320	980.493	958.667	940.199	928.866
22.5	997.283	975.037	951.952	932.224	920.892
23.0	992.246	969.580	945.656	923.830	912.077
23.5	986.789	963.704	938.520	915.855	903.263
24.0	981.333	958.248	931.805	907.460	894.448
24.5	975.457	951.952	924.249	899.066	885.214
25.0	969.580	946.075	917.114	890.251	875.980
25.5	963.284	939.779	909.559	881.437	866.746
26.0	957.408	933.064	902.004	872.622	857.512
26.5	951.112	926.768	894.448	864.228	847.858

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**CANDELA TABULATION - (Cont.)**

27.0	944.816	920.052	886.474	854.994	838.204
27.5	938.520	913.336	878.499	845.760	828.131
28.0	931.805	906.201	870.524	836.525	818.897
28.5	925.089	899.066	862.549	826.872	808.823
29.0	918.793	891.930	854.154	817.218	799.169
29.5	911.657	884.375	845.760	807.564	789.096
30.0	904.942	877.239	836.945	797.490	779.022
30.5	897.387	869.684	828.131	787.837	768.529
31.0	890.251	861.709	819.316	777.343	758.455
31.5	883.116	854.154	810.502	767.270	747.962
32.0	875.561	846.179	801.268	756.776	737.469
32.5	868.005	838.204	792.034	746.283	726.975
33.0	860.450	830.229	782.380	736.210	716.482
33.5	852.475	821.835	773.146	725.716	705.569
34.0	844.500	813.860	763.492	714.803	695.076
34.5	836.525	805.046	753.419	704.310	684.163
35.0	828.131	796.651	743.765	693.817	673.670
35.5	819.736	787.837	734.111	683.323	663.176
36.0	811.342	779.442	724.037	672.830	653.103
36.5	802.527	770.628	714.384	662.757	642.609
37.0	794.133	761.393	704.310	652.263	632.956
37.5	785.318	752.159	694.236	642.609	622.462
38.0	776.504	743.345	684.163	632.536	611.969
38.5	767.689	734.111	674.509	622.462	601.476
39.0	758.875	724.877	664.435	612.389	590.982
39.5	749.641	715.643	654.362	602.735	580.489
40.0	740.407	705.989	644.708	592.661	569.996
40.5	731.593	696.755	634.634	582.588	559.502
41.0	722.358	687.101	624.561	572.094	549.429
41.5	713.124	677.867	614.907	561.601	539.355
42.0	703.470	668.633	604.834	551.528	529.282
42.5	694.656	658.979	595.180	541.034	519.628
43.0	685.422	649.325	585.526	530.961	509.135
43.5	675.768	640.091	575.452	521.307	499.901
44.0	666.534	630.437	565.798	511.653	490.666
44.5	656.880	620.783	556.145	501.579	481.432
45.0	647.226	611.549	547.330	491.926	472.618
45.5	637.992	601.895	538.096	482.692	463.384
46.0	627.919	592.242	528.862	473.457	454.989
46.5	618.265	582.588	519.628	464.223	446.175
47.0	608.611	572.934	510.394	455.409	437.780
47.5	598.957	563.280	501.160	446.595	429.386
48.0	589.303	553.626	492.345	438.200	420.991
48.5	579.230	543.972	482.692	429.805	412.932
49.0	569.576	534.319	473.038	421.411	404.831
49.5	559.502	524.665	463.804	413.352	396.814
50.0	549.849	515.011	454.150	404.999	388.798
50.5	540.195	505.357	445.335	396.814	380.865
51.0	530.541	496.123	436.101	388.923	373.351
51.5	520.887	486.469	426.867	381.116	365.712
52.0	511.233	476.815	418.011	373.226	358.157
52.5	501.579	467.581	408.987	365.335	350.854
53.0	491.926	458.347	400.214	357.863	343.341
53.5	482.692	449.113	391.694	350.644	335.869
54.0	473.457	440.299	383.341	343.047	328.734
54.5	463.804	431.484	375.240	335.660	321.766

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**CANDELA TABULATION - (Cont.)**

55.0	454.989	422.250	367.265	328.356	315.135
55.5	445.755	413.646	359.416	321.053	308.377
56.0	436.521	404.957	351.567	313.959	301.745
56.5	427.287	396.395	343.886	307.034	295.323
57.0	418.389	387.790	336.205	300.318	288.943
57.5	409.490	379.312	328.650	293.728	282.731
58.0	400.508	371.001	321.431	287.264	276.603
58.5	391.820	362.774	314.169	280.801	270.559
59.0	382.963	354.422	306.698	274.421	264.557
59.5	374.317	346.321	299.353	268.209	258.723
60.0	365.544	338.430	292.217	262.039	252.846
60.5	356.982	330.749	285.166	255.952	247.096
61.0	348.251	323.235	278.114	249.992	241.388
61.5	339.731	315.974	271.273	244.074	235.679
62.0	331.378	308.713	264.305	238.240	230.097
62.5	323.152	301.535	257.422	232.447	224.557
63.0	314.799	294.442	250.706	226.739	219.142
63.5	306.614	287.264	244.158	221.157	213.937
64.0	298.513	279.709	237.736	215.700	208.733
64.5	290.328	271.818	231.482	210.328	203.696
65.0	282.312	264.011	225.270	205.039	198.701
65.5	274.337	256.246	219.058	199.792	193.748
66.0	266.404	248.775	212.930	194.546	188.879
66.5	258.681	241.220	206.886	189.383	184.094
67.0	251.000	233.665	200.926	184.220	179.267
67.5	243.402	226.193	195.091	179.142	174.524
68.0	235.847	218.890	189.257	174.021	169.572
68.5	228.292	211.671	183.423	168.900	164.745
69.0	220.779	204.787	177.589	163.779	159.960
69.5	213.266	198.197	171.880	158.701	155.133
70.0	205.836	191.650	166.214	153.748	150.390
70.5	198.533	185.144	160.631	148.879	145.773
71.0	191.356	178.806	155.133	144.094	141.240
71.5	184.304	172.342	149.718	139.351	136.707
72.0	177.337	165.836	144.346	134.650	132.299
72.5	170.453	159.288	139.099	130.075	127.850
73.0	163.695	152.992	133.894	125.542	123.485
73.5	157.064	146.822	128.816	121.093	119.204
74.0	150.474	140.652	123.905	116.727	114.965
74.5	144.094	134.566	119.036	112.404	110.851
75.0	137.840	128.606	114.209	108.123	106.654
75.5	131.544	122.855	109.382	103.884	102.499
76.0	125.500	117.273	104.639	99.686	98.427
76.5	119.540	111.775	99.980	95.573	94.440
77.0	113.705	106.402	95.489	91.502	90.452
77.5	108.039	101.071	91.040	87.472	86.507
78.0	102.373	95.909	86.633	83.485	82.603
78.5	96.832	90.830	82.309	79.497	78.742
79.0	91.418	85.793	78.070	75.594	74.922
79.5	86.003	80.882	73.957	71.690	71.145
80.0	80.756	76.097	69.927	67.871	67.409
80.5	75.636	71.438	65.940	64.093	63.715
81.0	70.641	66.821	62.036	60.399	60.106
81.5	65.730	62.330	58.133	56.706	56.454
82.0	60.861	57.923	54.313	53.012	52.844
82.5	56.076	53.558	50.536	49.402	49.318

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**CANDELA TABULATION - (Cont.)**

83.0	51.501	49.360	46.842	45.835	45.835
83.5	47.094	45.247	43.190	42.393	42.477
84.0	42.729	41.260	39.581	39.035	39.161
84.5	38.531	37.356	35.971	35.677	35.929
85.0	34.334	33.495	32.487	32.403	32.655
85.5	30.221	29.759	29.003	29.171	29.507
86.0	26.233	26.107	25.646	26.023	26.359
86.5	22.372	22.540	22.330	22.917	23.253
87.0	18.636	19.014	19.098	19.811	20.189
87.5	15.026	15.656	15.950	16.747	17.125
88.0	11.543	12.298	12.802	13.683	13.977
88.5	8.269	9.066	9.654	10.451	10.451
89.0	5.289	6.002	6.296	6.632	6.674
89.5	2.728	3.316	3.820	4.155	4.281
90.0	1.259	1.721	1.721	1.637	1.763
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX4-2-L12-835-DMA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000



IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX4-2-L12-835-DMA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX4-2-L12-835-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	394.64	N.A.	16.20
0-30	816.87	N.A.	33.50
0-40	1282.82	N.A.	52.50
0-60	2046.61	N.A.	83.80
0-80	2404.74	N.A.	98.50
0-90	2441.86	N.A.	100.00
10-90	2338.71	N.A.	95.80
20-40	888.18	N.A.	36.40
20-50	1314.81	N.A.	53.80
40-70	995.78	N.A.	40.80
60-80	358.13	N.A.	14.70
70-80	126.15	N.A.	5.20
80-90	37.12	N.A.	1.50
90-110	0.05	N.A.	0.00
90-120	0.05	N.A.	0.00
90-130	0.05	N.A.	0.00
90-150	0.05	N.A.	0.00
90-180	0.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2441.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.15
10-20	291.49
20-30	422.24
30-40	465.94
40-50	426.63
50-60	337.16
60-70	231.98
70-80	126.15
80-90	37.12
90-100	0.05
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX4-2-L12-835-DMA-DIM-UNV\_.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	178	178	178	178	174	174	174	174	166	166	166	159	159	159	153	153	153	150
1	164	158	152	146	160	154	149	144	148	144	140	142	139	135	137	134	131	128
2	151	139	130	122	147	136	128	120	131	124	117	126	120	115	122	117	112	109
3	138	124	112	103	135	121	111	102	117	108	100	113	105	99	109	103	97	94
4	127	111	98	89	124	109	97	88	105	95	87	101	93	86	98	91	85	82
5	118	100	87	77	115	98	86	77	95	84	76	92	83	75	89	81	75	72
6	109	90	78	68	106	89	77	68	86	76	68	84	74	67	81	73	66	63
7	102	82	70	61	99	81	69	61	79	68	60	77	67	60	75	66	60	57
8	95	76	63	55	93	74	63	55	73	62	54	71	61	54	69	60	54	51
9	89	70	58	50	87	69	57	50	67	57	49	65	56	49	64	55	49	46
10	84	64	53	45	82	64	53	45	62	52	45	61	52	45	60	51	45	42

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX4-2-L12-835-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	19.1	20.6	19.5	21.0	21.3	17.2	18.7	17.5	19.0	19.4
	3H	20.7	22.1	21.1	22.4	22.8	18.8	20.2	19.1	20.5	20.8
	4H	21.2	22.5	21.6	22.9	23.3	19.4	20.7	19.8	21.0	21.4
	6H	21.7	22.9	22.1	23.2	23.6	19.9	21.1	20.3	21.4	21.8
	8H	21.8	22.9	22.2	23.3	23.7	20.0	21.2	20.4	21.6	22.0
	12H	21.9	23.0	22.3	23.3	23.8	20.1	21.2	20.6	21.6	22.1

UGR Viewed Endwise

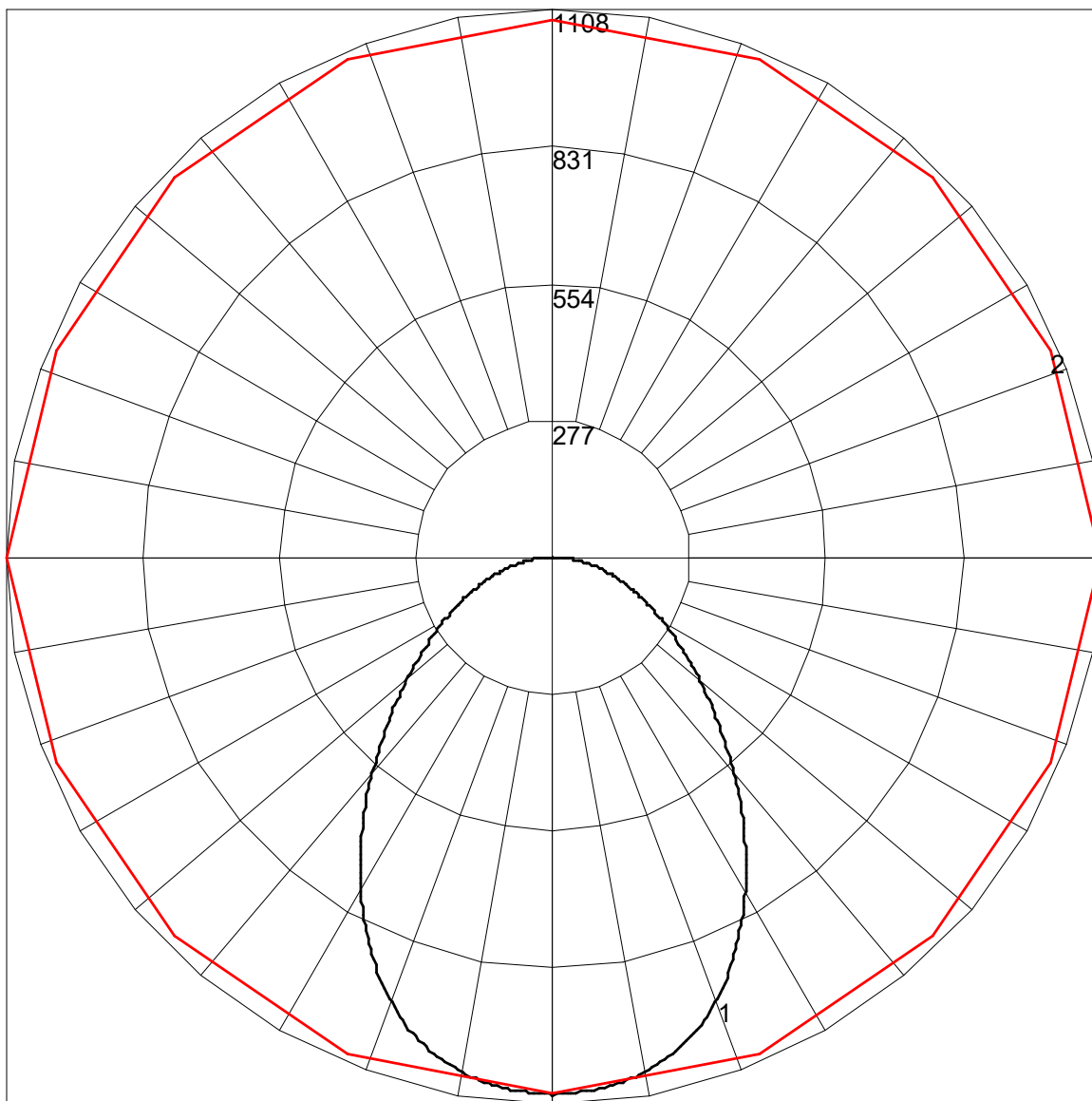
4H	2H	19.5	20.7	19.8	21.1	21.5	17.9	19.2	18.3	19.5	19.9
	3H	21.2	22.3	21.7	22.7	23.1	19.7	20.7	20.1	21.1	21.5
	4H	21.9	22.9	22.4	23.3	23.8	20.4	21.4	20.8	21.8	22.2
	6H	22.5	23.3	22.9	23.8	24.2	21.0	21.8	21.4	22.3	22.7
	8H	22.7	23.5	23.1	23.9	24.4	21.2	22.0	21.7	22.4	22.9
	12H	22.8	23.5	23.3	24.0	24.4	21.4	22.1	21.9	22.6	23.0

8H	4H	22.1	22.9	22.6	23.4	23.8	20.7	21.5	21.2	21.9	22.4
	6H	22.8	23.4	23.3	23.9	24.4	21.4	22.1	21.9	22.6	23.1
	8H	23.0	23.6	23.5	24.1	24.6	21.7	22.3	22.2	22.8	23.3
	12H	23.2	23.7	23.7	24.2	24.8	22.0	22.5	22.5	23.0	23.6

12H	4H	22.1	22.8	22.6	23.3	23.8	20.8	21.5	21.2	21.9	22.4
	6H	22.8	23.4	23.3	23.9	24.4	21.5	22.1	22.0	22.6	23.1
	8H	23.1	23.6	23.6	24.1	24.7	21.8	22.4	22.3	22.9	23.4

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 1108.092 Located At Horizontal Angle = 0, Vertical Angle = .5

# 1 - Vertical Plane Through Horizontal Angles (90 - 270)

# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)