



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L8-940-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 14853501.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 2023-07-25  
[TESTDATE] 6/19/2023  
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] LRX2-4-L8-940-DMA-DIM-UNV  
[LUMINAIRE] 2 INCH WIDE, LINEAR RECESSED LED LUMINAIRE  
[MORE] W/DIFFUSED MATTE ACRYLIC LENS  
[LAMP] LED  
[BALLAST] 0-10V DIMMING DRIVER  
[ \_SEARCH\_SOURCETYPE] LED  
[ \_SEARCH\_APPLICATION] INDOOR, CLASSROOM, COMMERCIAL, OFFICE  
[ \_SEARCH\_MOUNTING] RECESSED

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2752
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	27.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16070	13862	12645
55	14326	12182	11152
65	12629	10738	9885
75	10417	9142	8520
85	7858	7332	7064

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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	1219.279	1219.279	1219.279	1219.279	1219.279
0.5	1240.775	1220.278	1213.280	1216.279	1210.280
1.0	1240.775	1219.778	1213.280	1216.279	1209.780
1.5	1240.275	1219.778	1212.780	1215.779	1209.280
2.0	1239.775	1218.779	1211.780	1215.279	1207.781
2.5	1239.275	1217.779	1211.280	1213.780	1206.781
3.0	1238.275	1216.779	1209.780	1212.780	1204.781
3.5	1237.275	1215.779	1208.281	1210.780	1202.782
4.0	1236.275	1214.779	1206.781	1209.280	1201.282
4.5	1235.276	1213.280	1205.281	1207.281	1198.782
5.0	1234.276	1211.780	1202.782	1204.781	1196.283
5.5	1232.276	1209.780	1200.782	1201.782	1192.783
6.0	1230.776	1207.781	1198.282	1199.282	1189.784
6.5	1229.277	1206.281	1195.783	1195.783	1186.285
7.0	1227.277	1203.781	1193.283	1192.283	1182.785
7.5	1225.277	1201.782	1190.284	1188.784	1178.786
8.0	1223.278	1198.782	1187.284	1184.785	1175.287
8.5	1220.778	1196.283	1183.785	1180.786	1170.787
9.0	1218.279	1193.783	1180.286	1176.286	1166.288
9.5	1215.779	1190.784	1176.286	1171.287	1161.289
10.0	1213.280	1187.784	1172.287	1166.788	1156.790
10.5	1210.280	1184.785	1168.288	1161.789	1150.791
11.0	1207.281	1181.285	1163.789	1156.790	1145.292
11.5	1203.781	1177.786	1159.289	1151.291	1139.793
12.0	1200.282	1173.787	1154.290	1145.792	1133.794
12.5	1197.283	1169.788	1149.291	1139.793	1127.295
13.0	1193.283	1165.788	1144.292	1133.794	1121.296
13.5	1189.284	1161.289	1138.793	1127.295	1114.797
14.0	1185.785	1156.790	1133.794	1121.296	1108.299
14.5	1181.285	1152.291	1127.795	1114.797	1101.300
15.0	1177.286	1147.792	1122.296	1107.799	1094.801
15.5	1172.787	1142.792	1115.797	1100.800	1087.302
16.0	1169.288	1138.293	1109.798	1093.801	1079.804
16.5	1165.788	1133.294	1103.300	1086.303	1072.305
17.0	1161.289	1128.295	1096.801	1078.804	1064.807
17.5	1154.790	1123.296	1090.302	1071.305	1056.808
18.0	1148.791	1118.797	1083.803	1063.307	1048.310
18.5	1142.792	1112.798	1076.804	1055.308	1039.811
19.0	1137.793	1106.299	1069.806	1046.810	1031.313
19.5	1132.294	1099.800	1062.807	1038.311	1022.314
20.0	1126.795	1093.301	1055.308	1030.313	1012.816
20.5	1120.796	1086.803	1048.310	1021.814	1003.818
21.0	1114.797	1080.804	1040.811	1012.816	994.319
21.5	1108.799	1074.305	1033.312	1004.318	985.321
22.0	1102.300	1067.306	1025.314	995.319	975.823
22.5	1096.301	1060.807	1017.815	985.821	966.824
23.0	1089.302	1053.809	1010.816	976.823	957.826
23.5	1082.803	1046.310	1002.818	967.824	948.328
24.0	1075.805	1039.311	993.819	958.826	939.329
24.5	1068.806	1031.813	985.321	949.827	929.831
25.0	1061.807	1024.814	976.323	940.329	920.333
25.5	1054.808	1016.815	967.824	931.331	910.835
26.0	1047.310	1009.317	958.826	921.833	901.836
26.5	1040.311	1001.318	950.327	912.834	892.838

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**CANDELA TABULATION - (Cont.)**

27.0	1032.312	993.819	941.329	903.836	883.340
27.5	1024.814	985.321	932.831	894.837	873.341
28.0	1017.315	977.322	923.832	885.839	864.343
28.5	1009.817	969.324	914.834	876.341	855.345
29.0	1001.818	960.825	906.335	866.843	846.346
29.5	993.320	952.327	897.337	857.344	837.348
30.0	985.321	943.829	888.339	848.346	827.850
30.5	976.823	935.830	879.840	839.348	818.351
31.0	968.324	927.332	870.842	829.849	808.853
31.5	959.326	918.333	861.344	820.351	799.855
32.0	950.827	909.835	852.345	810.853	790.356
32.5	941.829	900.836	843.347	801.354	780.858
33.0	933.330	891.838	833.849	791.856	771.360
33.5	924.332	882.840	824.850	782.858	761.862
34.0	915.334	873.841	815.852	773.360	752.363
34.5	906.835	864.343	805.854	763.861	742.865
35.0	897.837	855.345	796.855	753.863	733.367
35.5	888.839	845.846	787.357	744.365	724.368
36.0	879.340	836.848	778.359	735.366	714.870
36.5	870.342	827.350	768.860	725.868	705.872
37.0	861.344	817.851	759.362	715.870	696.374
37.5	851.845	808.353	749.864	706.872	687.875
38.0	842.847	798.855	740.366	697.373	678.377
38.5	833.349	789.357	731.367	688.375	669.378
39.0	823.850	779.858	721.369	678.877	660.380
39.5	814.352	770.360	711.871	669.878	651.382
40.0	804.354	760.862	702.372	660.380	642.383
40.5	794.356	751.364	692.874	651.882	633.885
41.0	784.857	741.865	683.376	642.883	624.387
41.5	774.859	731.867	673.878	633.885	615.388
42.0	764.861	722.369	664.879	624.387	606.890
42.5	755.363	712.371	655.381	615.388	597.891
43.0	745.365	702.872	646.383	606.890	589.393
43.5	735.366	692.874	636.384	598.391	580.894
44.0	725.368	683.376	627.386	589.393	572.396
44.5	715.370	673.878	617.888	580.395	563.898
45.0	705.872	663.879	608.889	571.896	555.399
45.5	695.874	654.381	599.891	563.398	546.901
46.0	685.875	644.883	590.893	554.899	538.902
46.5	676.377	634.885	581.394	546.401	530.404
47.0	666.379	625.386	572.396	537.902	522.405
47.5	656.881	615.888	563.898	528.904	514.407
48.0	646.882	606.390	554.899	520.905	505.908
48.5	636.884	596.892	546.401	512.407	498.210
49.0	627.386	586.893	536.902	504.408	490.161
49.5	617.388	577.395	528.404	495.860	482.112
50.0	607.890	568.397	519.406	487.511	474.064
50.5	597.891	558.898	510.907	479.613	466.415
51.0	588.393	549.400	501.909	471.864	458.817
51.5	578.395	539.902	493.460	463.966	450.518
52.0	568.897	530.904	484.662	455.817	442.720
52.5	558.898	521.405	475.964	447.669	435.221
53.0	549.400	512.407	467.365	439.620	427.222
53.5	539.402	503.409	459.167	432.072	419.974
54.0	529.904	493.960	450.868	424.623	412.325
54.5	520.405	484.712	442.420	416.974	404.826

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**CANDELA TABULATION - (Cont.)**

55.0	510.407	475.664	434.021	409.076	397.328
55.5	500.909	466.715	425.873	401.077	389.679
56.0	491.361	457.817	417.924	393.379	382.431
56.5	482.012	449.018	409.826	386.130	375.232
57.0	472.614	440.120	401.827	378.981	368.333
57.5	463.416	431.422	394.078	371.433	361.184
58.0	454.267	422.873	386.180	363.734	353.836
58.5	445.419	414.325	378.131	356.185	346.687
59.0	436.371	406.026	370.133	348.887	339.988
59.5	427.472	397.728	362.334	341.738	333.089
60.0	418.524	389.529	354.836	334.789	325.991
60.5	409.826	381.331	347.437	327.790	319.042
61.0	401.177	373.082	339.938	320.642	312.343
61.5	392.479	364.834	332.140	313.443	305.445
62.0	383.780	356.835	324.541	306.344	298.546
62.5	375.132	348.937	317.342	299.496	291.847
63.0	366.433	340.888	310.444	292.797	285.298
63.5	357.685	332.890	303.545	286.498	278.749
64.0	348.987	324.841	296.446	280.199	272.201
64.5	340.288	316.842	289.097	273.400	265.802
65.0	331.540	308.944	281.899	266.302	259.503
65.5	322.841	300.995	275.100	259.903	253.304
66.0	314.193	293.047	268.451	254.154	247.355
66.5	305.495	285.148	261.702	248.255	241.306
67.0	296.846	277.350	254.654	241.856	235.107
67.5	288.248	269.601	247.555	234.957	228.808
68.0	279.649	261.752	240.456	227.859	222.360
68.5	271.151	253.954	233.408	221.260	215.961
69.0	262.752	246.155	226.709	215.111	209.762
69.5	254.354	238.557	220.110	209.012	203.513
70.0	246.005	230.958	213.111	202.313	196.914
70.5	237.807	223.309	205.963	195.115	190.365
71.0	229.558	215.661	198.914	188.216	183.917
71.5	221.460	208.112	192.015	182.017	177.668
72.0	213.411	200.814	185.416	176.268	171.619
72.5	205.463	193.615	179.067	170.319	165.820
73.0	197.664	186.466	172.619	163.970	159.921
73.5	189.916	179.267	165.970	157.621	153.822
74.0	182.317	172.169	159.321	151.522	148.023
74.5	174.818	165.220	153.022	145.774	142.574
75.0	167.470	158.471	146.973	140.125	136.975
75.5	160.221	151.772	141.024	134.426	131.226
76.0	153.072	145.124	134.925	128.777	125.777
76.5	146.023	138.425	128.877	122.978	120.428
77.0	139.025	131.876	122.778	117.279	114.879
77.5	132.176	125.427	116.979	111.680	109.230
78.0	125.327	119.028	111.330	106.231	103.881
78.5	118.578	112.730	105.681	100.832	98.782
79.0	112.030	106.581	100.032	95.533	93.733
79.5	105.531	100.532	94.483	90.334	88.734
80.0	99.182	94.583	89.084	85.135	83.685
80.5	92.883	88.734	83.735	79.985	78.536
81.0	86.784	82.985	78.336	74.936	73.487
81.5	80.835	77.386	73.137	70.037	68.688
82.0	74.986	71.987	68.188	65.338	64.088
82.5	69.287	66.688	63.289	60.789	59.639

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**CANDELA TABULATION - (Cont.)**

83.0	63.688	61.439	58.489	56.190	55.290
83.5	58.189	56.240	53.640	51.641	50.941
84.0	52.840	51.241	48.791	47.141	46.492
84.5	47.641	46.342	44.092	42.742	42.192
85.0	42.542	41.542	39.693	38.493	38.243
85.5	37.543	36.793	35.394	34.494	34.544
86.0	32.694	32.094	31.194	30.794	30.794
86.5	27.995	27.595	26.995	26.895	26.995
87.0	23.396	23.246	22.896	22.896	23.046
87.5	18.997	18.847	18.897	19.147	19.247
88.0	14.747	14.847	15.297	15.647	15.797
88.5	10.798	11.148	11.998	12.098	12.198
89.0	7.299	7.849	8.348	7.549	7.499
89.5	5.049	5.199	3.899	3.699	4.099
90.0	0.000	0.000	0.000	0.000	0.000
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 : LRX2-4-L8-940-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 : LRX2-4-L8-940-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 : LRX2-4-L8-940-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	431.72	N.A.	15.70
0-30	883.85	N.A.	32.10
0-40	1387.22	N.A.	50.40
0-60	2261.83	N.A.	82.20
0-80	2706.53	N.A.	98.30
0-90	2752.08	N.A.	100.00
10-90	2637.69	N.A.	95.80
20-40	955.50	N.A.	34.70
20-50	1433.17	N.A.	52.10
40-70	1160.38	N.A.	42.20
60-80	444.70	N.A.	16.20
70-80	158.93	N.A.	5.80
80-90	45.55	N.A.	1.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2752.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	114.39
10-20	317.33
20-30	452.13
30-40	503.37
40-50	477.66
50-60	396.95
60-70	285.77
70-80	158.93
80-90	45.55
90-100	0.00
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 : LRX2-4-L8-940-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX2-4-L8-940-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	21.0	22.6	21.4	22.9	23.2	19.9	21.4	20.2	21.7	22.1
	3H	22.7	24.2	23.1	24.5	24.8	21.5	22.9	21.9	23.3	23.6
	4H	23.4	24.7	23.7	25.0	25.4	22.1	23.5	22.5	23.8	24.2
	6H	23.8	25.0	24.2	25.4	25.8	22.6	23.8	23.0	24.2	24.6
	8H	24.0	25.1	24.4	25.5	25.9	22.8	23.9	23.2	24.3	24.7
	12H	24.0	25.2	24.5	25.5	26.0	22.9	24.0	23.3	24.4	24.8

UGR Viewed Endwise

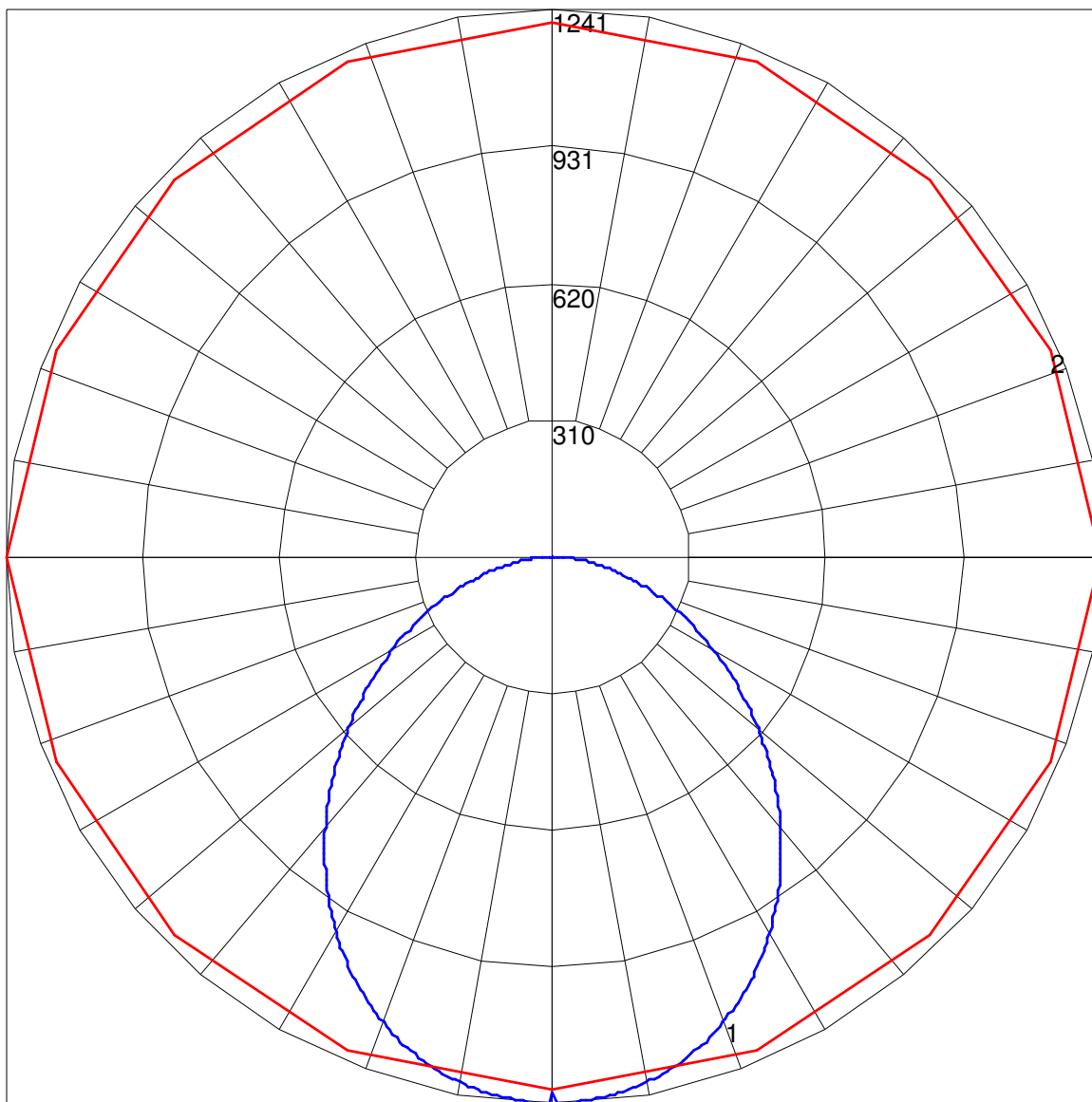
4H	2H	21.5	22.8	21.9	23.1	23.5	20.5	21.9	20.9	22.2	22.6
	3H	23.4	24.5	23.8	24.9	25.3	22.4	23.5	22.8	23.9	24.3
	4H	24.2	25.2	24.6	25.6	26.0	23.1	24.1	23.6	24.6	25.0
	6H	24.8	25.6	25.2	26.1	26.5	23.7	24.6	24.2	25.0	25.5
	8H	24.9	25.8	25.4	26.2	26.7	23.9	24.7	24.4	25.2	25.6
	12H	25.1	25.8	25.6	26.3	26.8	24.1	24.8	24.6	25.3	25.8

8H	4H	24.4	25.2	24.8	25.6	26.1	23.5	24.3	23.9	24.7	25.2
	6H	25.1	25.8	25.6	26.2	26.7	24.2	24.9	24.7	25.3	25.8
	8H	25.3	25.9	25.8	26.5	26.9	24.4	25.1	24.9	25.6	26.0
	12H	25.6	26.1	26.1	26.6	27.1	24.7	25.2	25.2	25.7	26.3

12H	4H	24.4	25.1	24.9	25.6	26.1	23.5	24.2	24.0	24.7	25.2
	6H	25.1	25.7	25.6	26.2	26.7	24.2	24.9	24.8	25.3	25.9
	8H	25.4	26.0	25.9	26.5	27.0	24.6	25.1	25.1	25.6	26.2

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 1240.775 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)