



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L8-930-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-L8-930-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	2624
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	15323	13218	12057
55	13659	11615	10633
65	12042	10239	9425
75	9932	8717	8124
85	7493	6991	6735

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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	1162.568	1162.568	1162.568	1162.568	1162.568
0.5	1183.064	1163.521	1156.848	1159.708	1153.988
1.0	1183.064	1163.045	1156.848	1159.708	1153.511
1.5	1182.588	1163.045	1156.371	1159.231	1153.035
2.0	1182.111	1162.091	1155.418	1158.755	1151.605
2.5	1181.634	1161.138	1154.941	1157.325	1150.651
3.0	1180.681	1160.185	1153.511	1156.371	1148.745
3.5	1179.728	1159.231	1152.081	1154.465	1146.838
4.0	1178.774	1158.278	1150.651	1153.035	1145.408
4.5	1177.821	1156.848	1149.221	1151.128	1143.025
5.0	1176.868	1155.418	1146.838	1148.745	1140.642
5.5	1174.961	1153.511	1144.932	1145.885	1137.305
6.0	1173.531	1151.605	1142.548	1143.502	1134.445
6.5	1172.101	1150.175	1140.165	1140.165	1131.108
7.0	1170.194	1147.791	1137.782	1136.828	1127.772
7.5	1168.288	1145.885	1134.922	1133.492	1123.959
8.0	1166.381	1143.025	1132.062	1129.679	1120.622
8.5	1163.998	1140.642	1128.725	1125.865	1116.332
9.0	1161.615	1138.258	1125.389	1121.575	1112.042
9.5	1159.231	1135.398	1121.575	1116.809	1107.276
10.0	1156.848	1132.538	1117.762	1112.519	1102.986
10.5	1153.988	1129.679	1113.949	1107.752	1097.266
11.0	1151.128	1126.342	1109.659	1102.986	1092.023
11.5	1147.791	1123.005	1105.369	1097.742	1086.779
12.0	1144.455	1119.192	1100.602	1092.499	1081.059
12.5	1141.595	1115.379	1095.836	1086.779	1074.863
13.0	1137.782	1111.566	1091.069	1081.059	1069.143
13.5	1133.968	1107.276	1085.826	1074.863	1062.946
14.0	1130.632	1102.986	1081.059	1069.143	1056.750
14.5	1126.342	1098.696	1075.340	1062.946	1050.077
15.0	1122.529	1094.406	1070.096	1056.273	1043.880
15.5	1118.239	1089.639	1063.900	1049.600	1036.730
16.0	1114.902	1085.349	1058.180	1042.927	1029.580
16.5	1111.566	1080.583	1051.983	1035.777	1022.431
17.0	1107.276	1075.816	1045.787	1028.627	1015.281
17.5	1101.079	1071.050	1039.590	1021.477	1007.654
18.0	1095.359	1066.760	1033.394	1013.851	999.551
18.5	1089.639	1061.040	1026.720	1006.224	991.448
19.0	1084.873	1054.843	1020.047	998.121	983.345
19.5	1079.629	1048.647	1013.374	990.018	974.765
20.0	1074.386	1042.450	1006.224	982.391	965.708
20.5	1068.666	1036.254	999.551	974.288	957.128
21.0	1062.946	1030.534	992.401	965.708	948.072
21.5	1057.227	1024.337	985.251	957.605	939.492
22.0	1051.030	1017.664	977.625	949.025	930.436
22.5	1045.310	1011.467	970.475	939.969	921.856
23.0	1038.637	1004.794	963.802	931.389	913.276
23.5	1032.440	997.644	956.175	922.809	904.219
24.0	1025.767	990.971	947.595	914.229	895.640
24.5	1019.094	983.821	939.492	905.649	886.583
25.0	1012.421	977.148	930.912	896.593	877.527
25.5	1005.748	969.522	922.809	888.013	868.470
26.0	998.598	962.372	914.229	878.957	859.890
26.5	991.924	954.745	906.126	870.377	851.310

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**CANDELA TABULATION - (Cont.)**

27.0	984.298	947.595	897.546	861.797	842.254
27.5	977.148	939.492	889.443	853.217	832.721
28.0	969.998	931.866	880.863	844.637	824.141
28.5	962.848	924.239	872.283	835.581	815.561
29.0	955.222	916.136	864.180	826.524	806.981
29.5	947.119	908.033	855.600	817.468	798.401
30.0	939.492	899.930	847.021	808.888	789.345
30.5	931.389	892.303	838.917	800.308	780.288
31.0	923.286	884.200	830.338	791.252	771.232
31.5	914.706	875.620	821.281	782.195	762.652
32.0	906.603	867.517	812.701	773.139	753.596
32.5	898.023	858.937	804.121	764.082	744.539
33.0	889.920	850.357	795.065	755.026	735.483
33.5	881.340	841.777	786.485	746.446	726.426
34.0	872.760	833.197	777.905	737.389	717.370
34.5	864.657	824.141	768.372	728.333	708.313
35.0	856.077	815.561	759.792	718.800	699.257
35.5	847.497	806.505	750.736	709.743	690.677
36.0	838.441	797.925	742.156	701.163	681.620
36.5	829.861	788.868	733.099	692.107	673.041
37.0	821.281	779.812	724.043	682.574	663.984
37.5	812.225	770.755	714.986	673.994	655.881
38.0	803.645	761.699	705.930	664.937	646.824
38.5	794.588	752.642	697.350	656.358	638.245
39.0	785.532	743.586	687.817	647.301	629.665
39.5	776.475	734.529	678.760	638.721	621.085
40.0	766.942	725.473	669.704	629.665	612.505
40.5	757.409	716.416	660.647	621.562	604.402
41.0	748.352	707.360	651.591	612.982	595.345
41.5	738.819	697.827	642.534	604.402	586.766
42.0	729.286	688.770	633.955	595.345	578.662
42.5	720.230	679.237	624.898	586.766	570.082
43.0	710.696	670.181	616.318	578.662	561.979
43.5	701.163	660.647	606.785	570.559	553.876
44.0	691.630	651.591	598.205	561.979	545.773
44.5	682.097	642.534	589.149	553.399	537.670
45.0	673.041	633.001	580.569	545.296	529.567
45.5	663.507	623.945	571.989	537.193	521.463
46.0	653.974	614.888	563.409	529.090	513.837
46.5	644.918	605.355	554.353	520.987	505.734
47.0	635.385	596.299	545.773	512.884	498.107
47.5	626.328	587.242	537.670	504.304	490.481
48.0	616.795	578.186	529.090	496.677	482.377
48.5	607.262	569.129	520.987	488.574	475.037
49.0	598.205	559.596	511.930	480.948	467.363
49.5	588.672	550.540	503.827	472.797	459.689
50.0	579.616	541.960	495.247	464.836	452.014
50.5	570.082	532.903	487.144	457.305	444.722
51.0	561.026	523.847	478.564	449.917	437.476
51.5	551.493	514.790	470.509	442.386	429.564
52.0	542.436	506.210	462.120	434.616	422.128
52.5	532.903	497.154	453.826	426.847	414.978
53.0	523.847	488.574	445.627	419.173	407.352
53.5	514.314	479.994	437.810	411.975	400.440
54.0	505.257	470.985	429.897	404.873	393.147
54.5	496.201	462.167	421.842	397.580	385.997

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**CANDELA TABULATION - (Cont.)**

55.0	486.667	453.540	413.834	390.049	378.847
55.5	477.611	445.008	406.065	382.422	371.555
56.0	468.507	436.523	398.486	375.082	364.643
56.5	459.593	428.134	390.764	368.170	357.779
57.0	450.632	419.649	383.137	361.354	351.201
57.5	441.862	411.356	375.749	354.157	344.385
58.0	433.139	403.205	368.218	346.816	337.378
58.5	424.702	395.054	360.544	339.619	330.562
59.0	416.074	387.141	352.917	332.659	324.175
59.5	407.590	379.229	345.481	325.843	317.597
60.0	399.058	371.412	338.332	319.218	310.828
60.5	390.764	363.594	331.277	312.544	304.203
61.0	382.518	355.730	324.127	305.728	297.816
61.5	374.224	347.865	316.691	298.864	291.238
62.0	365.930	340.238	309.446	292.096	284.660
62.5	357.684	332.707	302.582	285.566	278.273
63.0	349.390	325.033	296.004	279.178	272.028
63.5	341.049	317.406	289.426	273.172	265.784
64.0	332.755	309.732	282.658	267.167	259.540
64.5	324.461	302.106	275.651	260.684	253.439
65.0	316.119	294.574	268.787	253.916	247.433
65.5	307.825	286.996	262.305	247.814	241.522
66.0	299.579	279.417	255.965	242.333	235.850
66.5	291.285	271.885	249.530	236.708	230.083
67.0	283.039	264.450	242.809	230.607	224.172
67.5	274.841	257.061	236.041	224.029	218.166
68.0	266.642	249.578	229.272	217.261	212.017
68.5	258.539	242.142	222.551	210.969	205.916
69.0	250.531	234.706	216.164	205.106	200.006
69.5	242.523	227.461	209.872	199.291	194.047
70.0	234.563	220.216	203.199	192.903	187.755
70.5	226.746	212.923	196.383	186.039	181.511
71.0	218.881	205.630	189.662	179.462	175.362
71.5	211.159	198.433	183.084	173.551	169.404
72.0	203.485	191.473	176.792	168.069	163.637
72.5	195.906	184.609	170.739	162.397	158.107
73.0	188.470	177.793	164.590	156.344	152.483
73.5	181.082	170.929	158.250	150.290	146.668
74.0	173.837	164.161	151.911	144.475	141.138
74.5	166.687	157.535	145.905	138.993	135.943
75.0	159.680	151.100	140.137	133.607	130.604
75.5	152.769	144.713	134.465	128.173	125.123
76.0	145.953	138.374	128.650	122.787	119.927
76.5	139.232	131.986	122.882	117.258	114.827
77.0	132.558	125.742	117.067	111.824	109.536
77.5	126.028	119.593	111.538	106.485	104.150
78.0	119.498	113.492	106.152	101.290	99.049
78.5	113.063	107.486	100.765	96.142	94.188
79.0	106.819	101.623	95.379	91.089	89.373
79.5	100.622	95.856	90.088	86.132	84.607
80.0	94.569	90.184	84.940	81.175	79.792
80.5	88.563	84.607	79.840	76.265	74.883
81.0	82.748	79.125	74.692	71.451	70.069
81.5	77.076	73.787	69.735	66.780	65.493
82.0	71.499	68.639	65.016	62.299	61.108
82.5	66.065	63.586	60.345	57.962	56.865

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**CANDELA TABULATION - (Cont.)**

83.0	60.726	58.581	55.769	53.576	52.718
83.5	55.483	53.624	51.145	49.239	48.571
84.0	50.383	48.857	46.522	44.949	44.329
84.5	45.425	44.186	42.041	40.754	40.230
85.0	40.564	39.610	37.847	36.703	36.464
85.5	35.797	35.082	33.747	32.889	32.937
86.0	31.173	30.601	29.743	29.362	29.362
86.5	26.693	26.311	25.740	25.644	25.740
87.0	22.308	22.165	21.831	21.831	21.974
87.5	18.113	17.970	18.018	18.256	18.351
88.0	14.061	14.157	14.586	14.919	15.062
88.5	10.296	10.629	11.440	11.535	11.630
89.0	6.959	7.484	7.960	7.198	7.150
89.5	4.814	4.957	3.718	3.527	3.909
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-L8-930-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-L8-930-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-L8-930-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	411.64	N.A.	15.70
0-30	842.74	N.A.	32.10
0-40	1322.7	N.A.	50.40
0-60	2156.63	N.A.	82.20
0-80	2580.64	N.A.	98.30
0-90	2624.07	N.A.	100.00
10-90	2515.01	N.A.	95.80
20-40	911.06	N.A.	34.70
20-50	1366.51	N.A.	52.10
40-70	1106.41	N.A.	42.20
60-80	424.01	N.A.	16.20
70-80	151.54	N.A.	5.80
80-90	43.43	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	2624.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	109.07
10-20	302.57
20-30	431.10
30-40	479.96
40-50	455.45
50-60	378.48
60-70	272.48
70-80	151.54
80-90	43.43
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-L8-930-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-L8-930-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

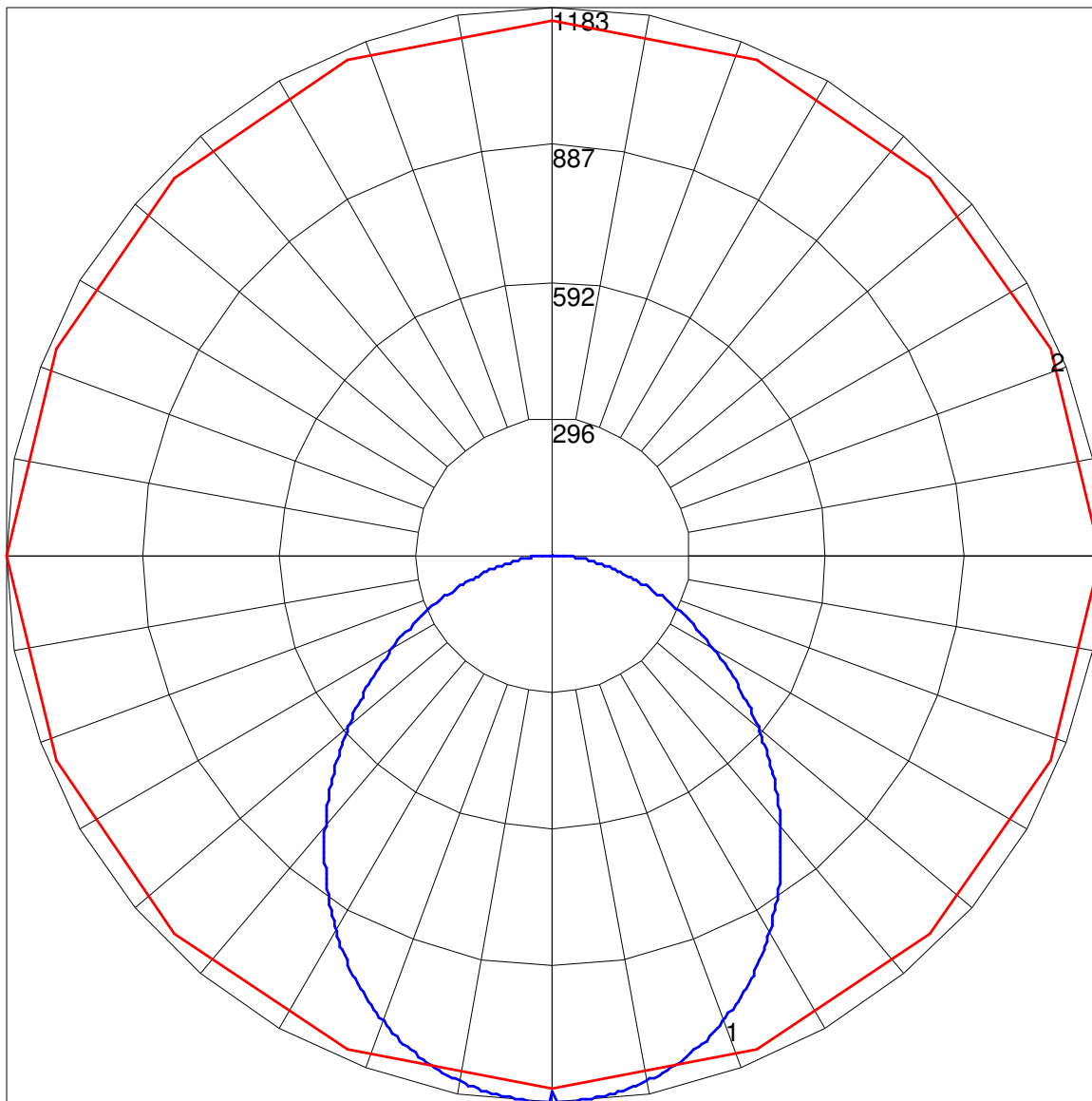
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	20.9	22.5	21.3	22.8	23.1	19.8	21.3	20.1	21.6	22.0
	3H	22.6	24.1	23.0	24.4	24.7	21.4	22.8	21.8	23.2	23.5
	4H	23.3	24.6	23.7	24.9	25.3	22.0	23.4	22.4	23.7	24.1
	6H	23.7	24.9	24.1	25.3	25.7	22.5	23.7	22.9	24.1	24.5
	8H	23.9	25.0	24.3	25.4	25.8	22.7	23.8	23.1	24.2	24.6
	12H	23.9	25.1	24.4	25.5	25.9	22.8	23.9	23.2	24.3	24.7
4H	2H	21.4	22.7	21.8	23.0	23.4	20.4	21.8	20.8	22.1	22.5
	3H	23.3	24.4	23.7	24.8	25.2	22.3	23.4	22.7	23.8	24.2
	4H	24.1	25.1	24.5	25.5	25.9	23.1	24.0	23.5	24.5	24.9
	6H	24.7	25.5	25.1	26.0	26.4	23.6	24.5	24.1	24.9	25.4
	8H	24.8	25.7	25.3	26.1	26.6	23.8	24.6	24.3	25.1	25.6
	12H	25.0	25.7	25.5	26.2	26.7	24.0	24.7	24.5	25.2	25.7
8H	4H	24.3	25.1	24.7	25.5	26.0	23.4	24.2	23.8	24.6	25.1
	6H	25.0	25.7	25.5	26.1	26.6	24.1	24.8	24.6	25.2	25.7
	8H	25.2	25.8	25.7	26.4	26.8	24.3	25.0	24.8	25.5	25.9
	12H	25.5	26.0	26.0	26.5	27.1	24.6	25.1	25.1	25.6	26.2
12H	4H	24.3	25.0	24.8	25.5	26.0	23.4	24.1	23.9	24.6	25.1
	6H	25.0	25.6	25.5	26.1	26.6	24.1	24.8	24.7	25.2	25.8
	8H	25.3	25.9	25.8	26.4	26.9	24.5	25.0	25.0	25.5	26.1

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 1183.064 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.)