



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L4-850-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-L4-850-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	1717
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	14.4
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	10028	8650	7890
55	8939	7601	6959
65	7880	6700	6168
75	6500	5704	5316
85	4903	4575	4408

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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	760.808	760.808	760.808	760.808	760.808
0.5	774.222	761.432	757.065	758.937	755.194
1.0	774.222	761.120	757.065	758.937	754.882
1.5	773.910	761.120	756.753	758.625	754.570
2.0	773.598	760.497	756.129	758.313	753.634
2.5	773.286	759.873	755.818	757.377	753.010
3.0	772.662	759.249	754.882	756.753	751.762
3.5	772.038	758.625	753.946	755.506	750.515
4.0	771.414	758.001	753.010	754.570	749.579
4.5	770.790	757.065	752.074	753.322	748.019
5.0	770.167	756.129	750.515	751.762	746.459
5.5	768.919	754.882	749.267	749.891	744.276
6.0	767.983	753.634	747.707	748.331	742.404
6.5	767.047	752.698	746.148	746.148	740.221
7.0	765.799	751.138	744.588	743.964	738.037
7.5	764.552	749.891	742.716	741.780	735.542
8.0	763.304	748.019	740.845	739.285	733.358
8.5	761.744	746.459	738.661	736.790	730.551
9.0	760.185	744.900	736.478	733.982	727.743
9.5	758.625	743.028	733.982	730.863	724.624
10.0	757.065	741.157	731.487	728.055	721.817
10.5	755.194	739.285	728.991	724.936	718.073
11.0	753.322	737.101	726.184	721.817	714.642
11.5	751.138	734.918	723.376	718.385	711.211
12.0	748.955	732.422	720.257	714.954	707.468
12.5	747.083	729.927	717.138	711.211	703.413
13.0	744.588	727.431	714.018	707.468	699.669
13.5	742.092	724.624	710.587	703.413	695.614
14.0	739.909	721.817	707.468	699.669	691.559
14.5	737.101	719.009	703.724	695.614	687.192
15.0	734.606	716.202	700.293	691.247	683.137
15.5	731.799	713.082	696.238	686.880	678.458
16.0	729.615	710.275	692.495	682.513	673.779
16.5	727.431	707.156	688.440	677.834	669.100
17.0	724.624	704.036	684.384	673.155	664.421
17.5	720.569	700.917	680.329	668.476	659.430
18.0	716.826	698.110	676.274	663.485	654.127
18.5	713.082	694.366	671.907	658.494	648.824
19.0	709.963	690.311	667.540	653.191	643.521
19.5	706.532	686.256	663.173	647.888	637.906
20.0	703.101	682.201	658.494	642.897	631.979
20.5	699.357	678.146	654.127	637.594	626.365
21.0	695.614	674.403	649.448	631.979	620.438
21.5	691.871	670.347	644.769	626.677	614.823
22.0	687.816	665.980	639.778	621.062	608.896
22.5	684.073	661.925	635.099	615.135	603.281
23.0	679.705	657.558	630.732	609.520	597.667
23.5	675.650	652.879	625.741	603.905	591.740
24.0	671.283	648.512	620.126	598.291	586.125
24.5	666.916	643.833	614.823	592.676	580.198
25.0	662.549	639.466	609.208	586.749	574.272
25.5	658.182	634.475	603.905	581.134	568.345
26.0	653.503	629.796	598.291	575.207	562.730
26.5	649.136	624.805	592.988	569.593	557.115

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**CANDELA TABULATION - (Cont.)**

27.0	644.145	620.126	587.373	563.978	551.188
27.5	639.466	614.823	582.070	558.363	544.950
28.0	634.787	609.832	576.455	552.748	539.335
28.5	630.108	604.841	570.840	546.821	533.720
29.0	625.117	599.538	565.537	540.895	528.105
29.5	619.814	594.235	559.923	534.968	522.490
30.0	614.823	588.933	554.308	529.353	516.564
30.5	609.520	583.942	549.005	523.738	510.637
31.0	604.217	578.639	543.390	517.811	504.710
31.5	598.602	573.024	537.463	511.885	499.095
32.0	593.300	567.721	531.848	505.958	493.169
32.5	587.685	562.106	526.234	500.031	487.242
33.0	582.382	556.491	520.307	494.104	481.315
33.5	576.767	550.876	514.692	488.490	475.388
34.0	571.152	545.262	509.077	482.563	469.462
34.5	565.849	539.335	502.839	476.636	463.535
35.0	560.235	533.720	497.224	470.397	457.608
35.5	554.620	527.793	491.297	464.471	451.993
36.0	548.693	522.179	485.682	458.856	446.066
36.5	543.078	516.252	479.755	452.929	440.452
37.0	537.463	510.325	473.829	446.690	434.525
37.5	531.537	504.398	467.902	441.076	429.222
38.0	525.922	498.471	461.975	435.149	423.295
38.5	519.995	492.545	456.360	429.534	417.680
39.0	514.068	486.618	450.122	423.607	412.066
39.5	508.141	480.691	444.195	417.992	406.451
40.0	501.903	474.764	438.268	412.066	400.836
40.5	495.664	468.838	432.341	406.763	395.533
41.0	489.737	462.911	426.415	401.148	389.606
41.5	483.499	456.672	420.488	395.533	383.991
42.0	477.260	450.745	414.873	389.606	378.689
42.5	471.333	444.507	408.946	383.991	373.074
43.0	465.094	438.580	403.331	378.689	367.771
43.5	458.856	432.341	397.093	373.386	362.468
44.0	452.617	426.415	391.478	367.771	357.165
44.5	446.378	420.488	385.551	362.156	351.862
45.0	440.452	414.249	379.936	356.853	346.559
45.5	434.213	408.322	374.322	351.550	341.256
46.0	427.974	402.396	368.707	346.247	336.265
46.5	422.048	396.157	362.780	340.945	330.963
47.0	415.809	390.230	357.165	335.642	325.972
47.5	409.882	384.303	351.862	330.027	320.981
48.0	403.643	378.377	346.247	325.036	315.678
48.5	397.405	372.450	340.945	319.733	310.874
49.0	391.478	366.211	335.018	314.742	305.852
49.5	385.239	360.284	329.715	309.408	300.830
50.0	379.312	354.670	324.100	304.199	295.808
50.5	373.074	348.743	318.797	299.270	291.035
51.0	367.147	342.816	313.182	294.435	286.294
51.5	360.908	336.889	307.911	289.506	281.115
52.0	354.982	331.275	302.421	284.422	276.249
52.5	348.743	325.348	296.993	279.337	271.570
53.0	342.816	319.733	291.628	274.315	266.579
53.5	336.577	314.118	286.512	269.605	262.056
54.0	330.651	308.223	281.334	264.957	257.284
54.5	324.724	302.452	276.062	260.185	252.605

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**CANDELA TABULATION - (Cont.)**

55.0	318.485	296.806	270.822	255.256	247.926
55.5	312.558	291.222	265.737	250.265	243.153
56.0	306.601	285.670	260.777	245.461	238.630
56.5	300.767	280.180	255.724	240.938	234.138
57.0	294.903	274.627	250.733	236.478	229.833
57.5	289.163	269.200	245.898	231.767	225.373
58.0	283.455	263.865	240.969	226.964	220.787
58.5	277.934	258.531	235.947	222.253	216.327
59.0	272.288	253.353	230.956	217.699	212.147
59.5	266.735	248.175	226.090	213.238	207.842
60.0	261.152	243.059	221.411	208.903	203.413
60.5	255.724	237.944	216.795	204.536	199.077
61.0	250.328	232.797	212.116	200.075	194.897
61.5	244.900	227.650	207.249	195.583	190.592
62.0	239.472	222.659	202.508	191.154	186.287
62.5	234.076	217.730	198.016	186.880	182.107
63.0	228.648	212.708	193.711	182.700	178.021
63.5	223.189	207.717	189.407	178.770	173.935
64.0	217.762	202.695	184.977	174.839	169.848
64.5	212.334	197.704	180.392	170.597	165.856
65.0	206.875	192.776	175.900	166.168	161.925
65.5	201.447	187.816	171.658	162.175	158.057
66.0	196.051	182.856	167.509	158.588	154.345
66.5	190.623	177.927	163.298	154.907	150.571
67.0	185.227	173.061	158.899	150.914	146.703
67.5	179.861	168.226	154.470	146.609	142.772
68.0	174.496	163.329	150.041	142.180	138.749
68.5	169.193	158.463	145.642	138.062	134.756
69.0	163.953	153.597	141.462	134.225	130.888
69.5	158.712	148.855	137.345	130.420	126.989
70.0	153.503	144.114	132.978	126.240	122.871
70.5	148.387	139.341	128.517	121.748	118.785
71.0	143.240	134.569	124.119	117.443	114.761
71.5	138.187	129.858	119.814	113.575	110.862
72.0	133.165	125.304	115.697	109.988	107.087
72.5	128.205	120.812	111.735	106.276	103.469
73.0	123.339	116.352	107.711	102.315	99.788
73.5	118.504	111.860	103.562	98.353	95.982
74.0	113.763	107.430	99.414	94.547	92.364
74.5	109.084	103.094	95.483	90.960	88.964
75.0	104.498	98.883	91.709	87.435	85.470
75.5	99.975	94.703	87.997	83.879	81.883
76.0	95.514	90.555	84.191	80.354	78.483
76.5	91.116	86.375	80.417	76.736	75.145
77.0	86.749	82.288	76.611	73.180	71.683
77.5	82.476	78.264	72.993	69.686	68.158
78.0	78.202	74.272	69.468	66.286	64.820
78.5	73.991	70.341	65.943	62.917	61.638
79.0	69.905	66.504	62.418	59.611	58.488
79.5	65.849	62.730	58.956	56.367	55.368
80.0	61.888	59.018	55.587	53.122	52.218
80.5	57.957	55.368	52.249	49.910	49.005
81.0	54.152	51.781	48.880	46.759	45.854
81.5	50.440	48.287	45.636	43.702	42.860
82.0	46.790	44.919	42.548	40.770	39.990
82.5	43.234	41.612	39.491	37.931	37.214

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**CANDELA TABULATION - (Cont.)**

83.0	39.740	38.337	36.496	35.061	34.500
83.5	36.309	35.093	33.471	32.223	31.786
84.0	32.971	31.973	30.445	29.415	29.010
84.5	29.727	28.916	27.513	26.670	26.327
85.0	26.546	25.922	24.768	24.019	23.863
85.5	23.426	22.958	22.085	21.523	21.555
86.0	20.401	20.026	19.465	19.215	19.215
86.5	17.468	17.219	16.844	16.782	16.844
87.0	14.599	14.505	14.287	14.287	14.380
87.5	11.854	11.760	11.791	11.947	12.009
88.0	9.202	9.264	9.545	9.764	9.857
88.5	6.738	6.956	7.486	7.549	7.611
89.0	4.554	4.897	5.209	4.710	4.679
89.5	3.151	3.244	2.433	2.308	2.558
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

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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-L4-850-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-L4-850-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	269.38	N.A.	15.70
0-30	551.51	N.A.	32.10
0-40	865.60	N.A.	50.40
0-60	1411.34	N.A.	82.20
0-80	1688.82	N.A.	98.30
0-90	1717.25	N.A.	100.00
10-90	1645.87	N.A.	95.80
20-40	596.22	N.A.	34.70
20-50	894.27	N.A.	52.10
40-70	724.06	N.A.	42.20
60-80	277.48	N.A.	16.20
70-80	99.17	N.A.	5.80
80-90	28.42	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	1717.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	71.38
10-20	198.01
20-30	282.12
30-40	314.09
40-50	298.05
50-60	247.69
60-70	178.32
70-80	99.17
80-90	28.42
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-L4-850-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-L4-850-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

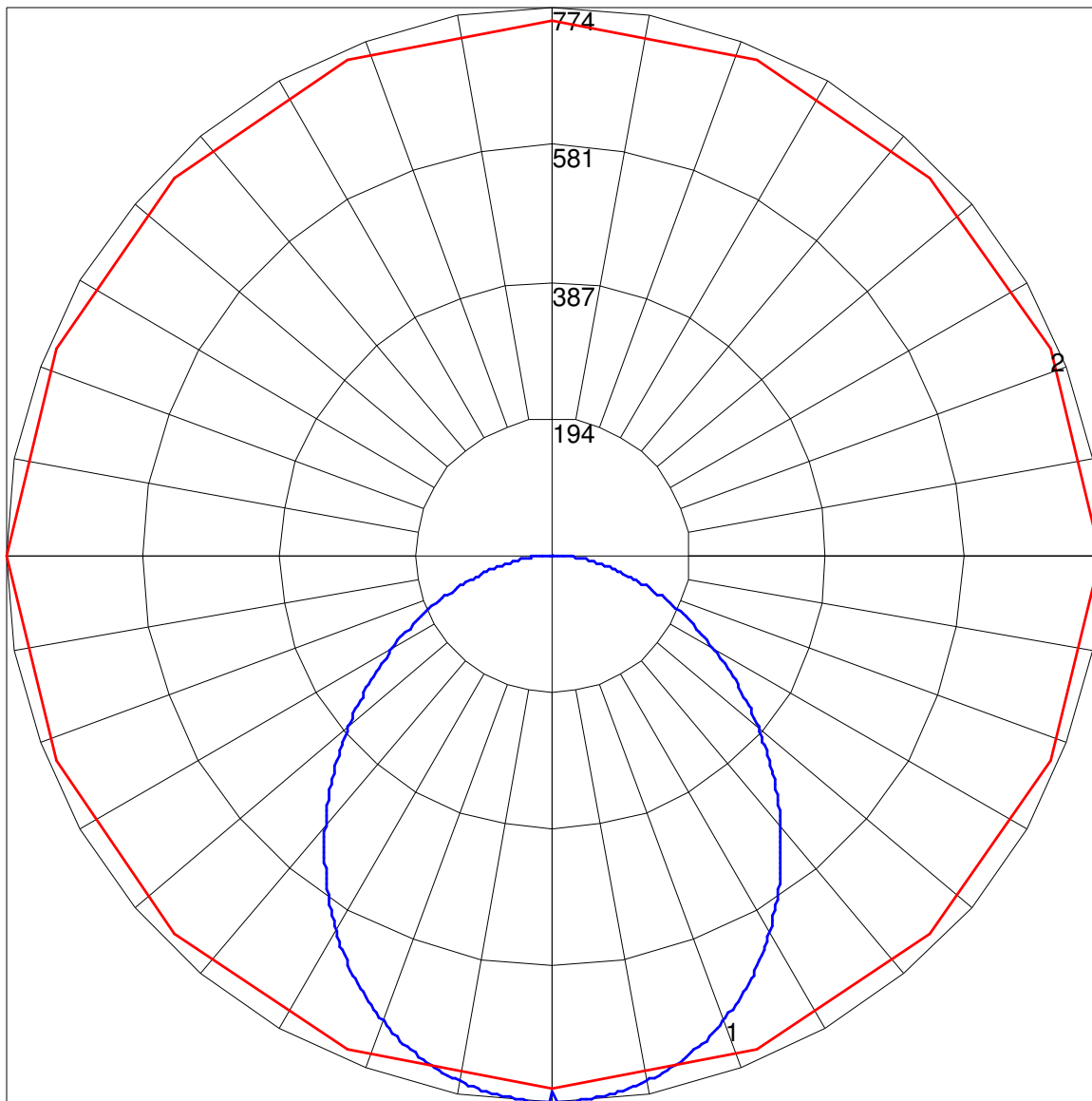
Reflectances

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	19.4	21.0	19.8	21.3	21.6	18.3	19.8	18.6	20.1	20.5
	3H	21.1	22.6	21.5	22.9	23.2	19.9	21.3	20.3	21.7	22.0
	4H	21.8	23.1	22.2	23.4	23.8	20.5	21.9	20.9	22.2	22.6
	6H	22.2	23.4	22.6	23.8	24.2	21.0	22.2	21.4	22.6	23.0
	8H	22.4	23.5	22.8	23.9	24.3	21.2	22.3	21.6	22.7	23.1
	12H	22.4	23.6	22.9	24.0	24.4	21.3	22.4	21.7	22.8	23.2
4H	2H	19.9	21.2	20.3	21.5	21.9	18.9	20.3	19.3	20.6	21.0
	3H	21.8	22.9	22.2	23.3	23.7	20.8	21.9	21.2	22.3	22.7
	4H	22.6	23.6	23.0	24.0	24.4	21.5	22.5	22.0	23.0	23.4
	6H	23.2	24.0	23.6	24.5	24.9	22.1	23.0	22.6	23.4	23.9
	8H	23.3	24.2	23.8	24.6	25.1	22.3	23.1	22.8	23.6	24.1
	12H	23.5	24.2	24.0	24.7	25.2	22.5	23.2	23.0	23.7	24.2
8H	4H	22.8	23.6	23.2	24.0	24.5	21.9	22.7	22.3	23.1	23.6
	6H	23.5	24.2	24.0	24.6	25.1	22.6	23.3	23.1	23.7	24.2
	8H	23.7	24.3	24.2	24.9	25.3	22.8	23.5	23.3	24.0	24.4
	12H	24.0	24.5	24.5	25.0	25.6	23.1	23.6	23.6	24.1	24.7
12H	4H	22.8	23.5	23.3	24.0	24.5	21.9	22.6	22.4	23.1	23.6
	6H	23.5	24.1	24.0	24.6	25.1	22.6	23.3	23.2	23.7	24.3
	8H	23.8	24.4	24.3	24.9	25.4	23.0	23.5	23.5	24.0	24.6

Maximum UGR = 25.6

POLAR GRAPH



Maximum Candela = 774.222 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.)