



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L4-940-(L2)-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 14853501.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 04-03-2024  
[TESTDATE] 6/19/2023  
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] LRX2-4-L4-940-DMA-(L2)-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	750
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	7.98
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	4380	3778	3446
55	3904	3320	3039
65	3442	2926	2694
75	2839	2491	2322
85	2142	1998	1925

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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	332.289	332.289	332.289	332.289	332.289
0.5	338.147	332.561	330.654	331.471	329.837
1.0	338.147	332.425	330.654	331.471	329.700
1.5	338.011	332.425	330.518	331.335	329.564
2.0	337.875	332.153	330.245	331.199	329.155
2.5	337.738	331.880	330.109	330.790	328.883
3.0	337.466	331.608	329.700	330.518	328.338
3.5	337.193	331.335	329.292	329.973	327.793
4.0	336.921	331.063	328.883	329.564	327.384
4.5	336.649	330.654	328.474	329.019	326.703
5.0	336.376	330.245	327.793	328.338	326.022
5.5	335.831	329.700	327.248	327.520	325.068
6.0	335.422	329.155	326.567	326.839	324.251
6.5	335.014	328.747	325.886	325.886	323.297
7.0	334.469	328.065	325.204	324.932	322.343
7.5	333.924	327.520	324.387	323.978	321.253
8.0	333.379	326.703	323.570	322.888	320.300
8.5	332.698	326.022	322.616	321.798	319.074
9.0	332.016	325.341	321.662	320.572	317.847
9.5	331.335	324.523	320.572	319.210	316.485
10.0	330.654	323.706	319.482	317.984	315.259
10.5	329.837	322.888	318.392	316.621	313.624
11.0	329.019	321.935	317.166	315.259	312.125
11.5	328.065	320.981	315.940	313.760	310.627
12.0	327.112	319.891	314.578	312.262	308.992
12.5	326.294	318.801	313.215	310.627	307.221
13.0	325.204	317.711	311.853	308.992	305.586
13.5	324.114	316.485	310.354	307.221	303.815
14.0	323.161	315.259	308.992	305.586	302.044
14.5	321.935	314.033	307.357	303.815	300.136
15.0	320.845	312.807	305.858	301.907	298.365
15.5	319.619	311.444	304.087	300.000	296.322
16.0	318.665	310.218	302.452	298.093	294.278
16.5	317.711	308.856	300.681	296.049	292.234
17.0	316.485	307.493	298.910	294.005	290.191
17.5	314.714	306.131	297.139	291.962	288.011
18.0	313.079	304.905	295.368	289.782	285.695
18.5	311.444	303.270	293.461	287.602	283.379
19.0	310.082	301.499	291.553	285.286	281.063
19.5	308.583	299.728	289.646	282.970	278.610
20.0	307.085	297.956	287.602	280.790	276.022
20.5	305.450	296.185	285.695	278.474	273.570
21.0	303.815	294.550	283.651	276.022	270.981
21.5	302.180	292.779	281.608	273.706	268.529
22.0	300.409	290.872	279.428	271.253	265.940
22.5	298.774	289.101	277.384	268.665	263.488
23.0	296.867	287.193	275.477	266.213	261.035
23.5	295.095	285.150	273.297	263.760	258.447
24.0	293.188	283.243	270.845	261.308	255.995
24.5	291.281	281.199	268.529	258.856	253.406
25.0	289.373	279.292	266.076	256.267	250.817
25.5	287.466	277.112	263.760	253.815	248.229
26.0	285.422	275.068	261.308	251.226	245.777
26.5	283.515	272.888	258.992	248.774	243.324

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : LRX2-4-L4-940-(L2)-DMA-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	281.335	270.845	256.540	246.322	240.736
27.5	279.292	268.529	254.223	243.869	238.011
28.0	277.248	266.349	251.771	241.417	235.559
28.5	275.204	264.169	249.319	238.828	233.106
29.0	273.025	261.853	247.003	236.240	230.654
29.5	270.708	259.537	244.550	233.651	228.202
30.0	268.529	257.221	242.098	231.199	225.613
30.5	266.213	255.041	239.782	228.747	223.025
31.0	263.896	252.725	237.330	226.158	220.436
31.5	261.444	250.273	234.741	223.570	217.984
32.0	259.128	247.956	232.289	220.981	215.395
32.5	256.676	245.504	229.837	218.392	212.807
33.0	254.360	243.052	227.248	215.804	210.218
33.5	251.907	240.599	224.796	213.352	207.629
34.0	249.455	238.147	222.343	210.763	205.041
34.5	247.139	235.559	219.619	208.174	202.452
35.0	244.687	233.106	217.166	205.450	199.864
35.5	242.234	230.518	214.578	202.861	197.411
36.0	239.646	228.065	212.125	200.409	194.823
36.5	237.193	225.477	209.537	197.820	192.371
37.0	234.741	222.888	206.948	195.095	189.782
37.5	232.153	220.300	204.360	192.643	187.466
38.0	229.700	217.711	201.771	190.055	184.877
38.5	227.112	215.123	199.319	187.602	182.425
39.0	224.523	212.534	196.594	185.014	179.973
39.5	221.935	209.946	194.005	182.561	177.520
40.0	219.210	207.357	191.417	179.973	175.068
40.5	216.485	204.768	188.828	177.657	172.752
41.0	213.896	202.180	186.240	175.204	170.164
41.5	211.172	199.455	183.651	172.752	167.711
42.0	208.447	196.867	181.199	170.164	165.395
42.5	205.858	194.142	178.610	167.711	162.943
43.0	203.134	191.553	176.158	165.395	160.627
43.5	200.409	188.828	173.433	163.079	158.311
44.0	197.684	186.240	170.981	160.627	155.995
44.5	194.959	183.651	168.392	158.174	153.678
45.0	192.371	180.926	165.940	155.858	151.362
45.5	189.646	178.338	163.488	153.542	149.046
46.0	186.921	175.749	161.035	151.226	146.867
46.5	184.332	173.025	158.447	148.910	144.550
47.0	181.608	170.436	155.995	146.594	142.371
47.5	179.019	167.847	153.678	144.142	140.191
48.0	176.294	165.259	151.226	141.962	137.875
48.5	173.570	162.670	148.910	139.646	135.777
49.0	170.981	159.946	146.322	137.466	133.583
49.5	168.256	157.357	144.005	135.136	131.390
50.0	165.668	154.905	141.553	132.861	129.196
50.5	162.943	152.316	139.237	130.708	127.112
51.0	160.354	149.728	136.785	128.597	125.041
51.5	157.629	147.139	134.482	126.444	122.779
52.0	155.041	144.687	132.084	124.223	120.654
52.5	152.316	142.098	129.714	122.003	118.610
53.0	149.728	139.646	127.371	119.809	116.431
53.5	147.003	137.193	125.136	117.752	114.455
54.0	144.414	134.619	122.875	115.722	112.371
54.5	141.826	132.098	120.572	113.638	110.327

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**CANDELA TABULATION - (Cont.)**

55.0	139.101	129.632	118.283	111.485	108.283
55.5	136.512	127.193	116.063	109.305	106.199
56.0	133.910	124.768	113.896	107.207	104.223
56.5	131.362	122.371	111.689	105.232	102.262
57.0	128.801	119.946	109.510	103.283	100.381
57.5	126.294	117.575	107.398	101.226	98.433
58.0	123.801	115.245	105.245	99.128	96.431
58.5	121.390	112.916	103.052	97.071	94.482
59.0	118.924	110.654	100.872	95.082	92.657
59.5	116.499	108.392	98.747	93.134	90.777
60.0	114.060	106.158	96.703	91.240	88.842
60.5	111.689	103.924	94.687	89.332	86.948
61.0	109.332	101.676	92.643	87.384	85.123
61.5	106.962	99.428	90.518	85.422	83.243
62.0	104.591	97.248	88.447	83.488	81.362
62.5	102.234	95.095	86.485	81.621	79.537
63.0	99.864	92.902	84.605	79.796	77.752
63.5	97.480	90.722	82.725	78.079	75.967
64.0	95.109	88.529	80.790	76.362	74.183
64.5	92.738	86.349	78.787	74.510	72.439
65.0	90.354	84.196	76.826	72.575	70.722
65.5	87.984	82.030	74.973	70.831	69.033
66.0	85.627	79.864	73.161	69.264	67.411
66.5	83.256	77.711	71.322	67.657	65.763
67.0	80.899	75.586	69.401	65.913	64.074
67.5	78.556	73.474	67.466	64.033	62.357
68.0	76.213	71.335	65.531	62.098	60.599
68.5	73.896	69.210	63.610	60.300	58.856
69.0	71.608	67.084	61.785	58.624	57.166
69.5	69.319	65.014	59.986	56.962	55.463
70.0	67.044	62.943	58.079	55.136	53.665
70.5	64.809	60.858	56.131	53.174	51.880
71.0	62.561	58.774	54.210	51.294	50.123
71.5	60.354	56.717	52.330	49.605	48.420
72.0	58.161	54.728	50.531	48.038	46.771
72.5	55.995	52.766	48.801	46.417	45.191
73.0	53.869	50.817	47.044	44.687	43.583
73.5	51.757	48.856	45.232	42.956	41.921
74.0	49.687	46.921	43.420	41.294	40.341
74.5	47.643	45.027	41.703	39.728	38.856
75.0	45.640	43.188	40.055	38.188	37.330
75.5	43.665	41.362	38.433	36.635	35.763
76.0	41.717	39.550	36.771	35.095	34.278
76.5	39.796	37.725	35.123	33.515	32.820
77.0	37.888	35.940	33.460	31.962	31.308
77.5	36.022	34.183	31.880	30.436	29.768
78.0	34.155	32.439	30.341	28.951	28.311
78.5	32.316	30.722	28.801	27.480	26.921
79.0	30.531	29.046	27.262	26.035	25.545
79.5	28.760	27.398	25.749	24.619	24.183
80.0	27.030	25.777	24.278	23.202	22.807
80.5	25.313	24.183	22.820	21.798	21.403
81.0	23.651	22.616	21.349	20.422	20.027
81.5	22.030	21.090	19.932	19.087	18.719
82.0	20.436	19.619	18.583	17.807	17.466
82.5	18.883	18.174	17.248	16.567	16.253

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

83.0	17.357	16.744	15.940	15.313	15.068
83.5	15.858	15.327	14.619	14.074	13.883
84.0	14.401	13.965	13.297	12.847	12.670
84.5	12.984	12.629	12.016	11.649	11.499
85.0	11.594	11.322	10.817	10.490	10.422
85.5	10.232	10.027	9.646	9.401	9.414
86.0	8.910	8.747	8.501	8.392	8.392
86.5	7.629	7.520	7.357	7.330	7.357
87.0	6.376	6.335	6.240	6.240	6.281
87.5	5.177	5.136	5.150	5.218	5.245
88.0	4.019	4.046	4.169	4.264	4.305
88.5	2.943	3.038	3.270	3.297	3.324
89.0	1.989	2.139	2.275	2.057	2.044
89.5	1.376	1.417	1.063	1.008	1.117
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-L4-940-(L2)-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-L4-940-(L2)-DMA-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	117.66	N.A.	15.70
0-30	240.87	N.A.	32.10
0-40	378.06	N.A.	50.40
0-60	616.41	N.A.	82.20
0-80	737.61	N.A.	98.30
0-90	750.02	N.A.	100.00
10-90	718.85	N.A.	95.80
20-40	260.40	N.A.	34.70
20-50	390.58	N.A.	52.10
40-70	316.24	N.A.	42.20
60-80	121.19	N.A.	16.20
70-80	43.31	N.A.	5.80
80-90	12.41	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	750.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	31.17
10-20	86.48
20-30	123.22
30-40	137.18
40-50	130.18
50-60	108.18
60-70	77.88
70-80	43.31
80-90	12.41
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-L4-940-(L2)-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-L4-940-(L2)-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	16.5	18.1	16.9	18.4	18.7	15.4	16.9	15.7	17.2	17.6
	3H	18.2	19.7	18.6	20.0	20.3	17.0	18.4	17.4	18.8	19.1
	4H	18.9	20.2	19.3	20.5	20.9	17.6	19.0	18.0	19.3	19.7
	6H	19.3	20.5	19.7	20.9	21.3	18.1	19.3	18.5	19.7	20.1
	8H	19.5	20.6	19.9	21.0	21.4	18.3	19.4	18.7	19.8	20.2
	12H	19.5	20.7	20.0	21.1	21.5	18.4	19.5	18.8	19.9	20.3

### UGR Viewed Endwise

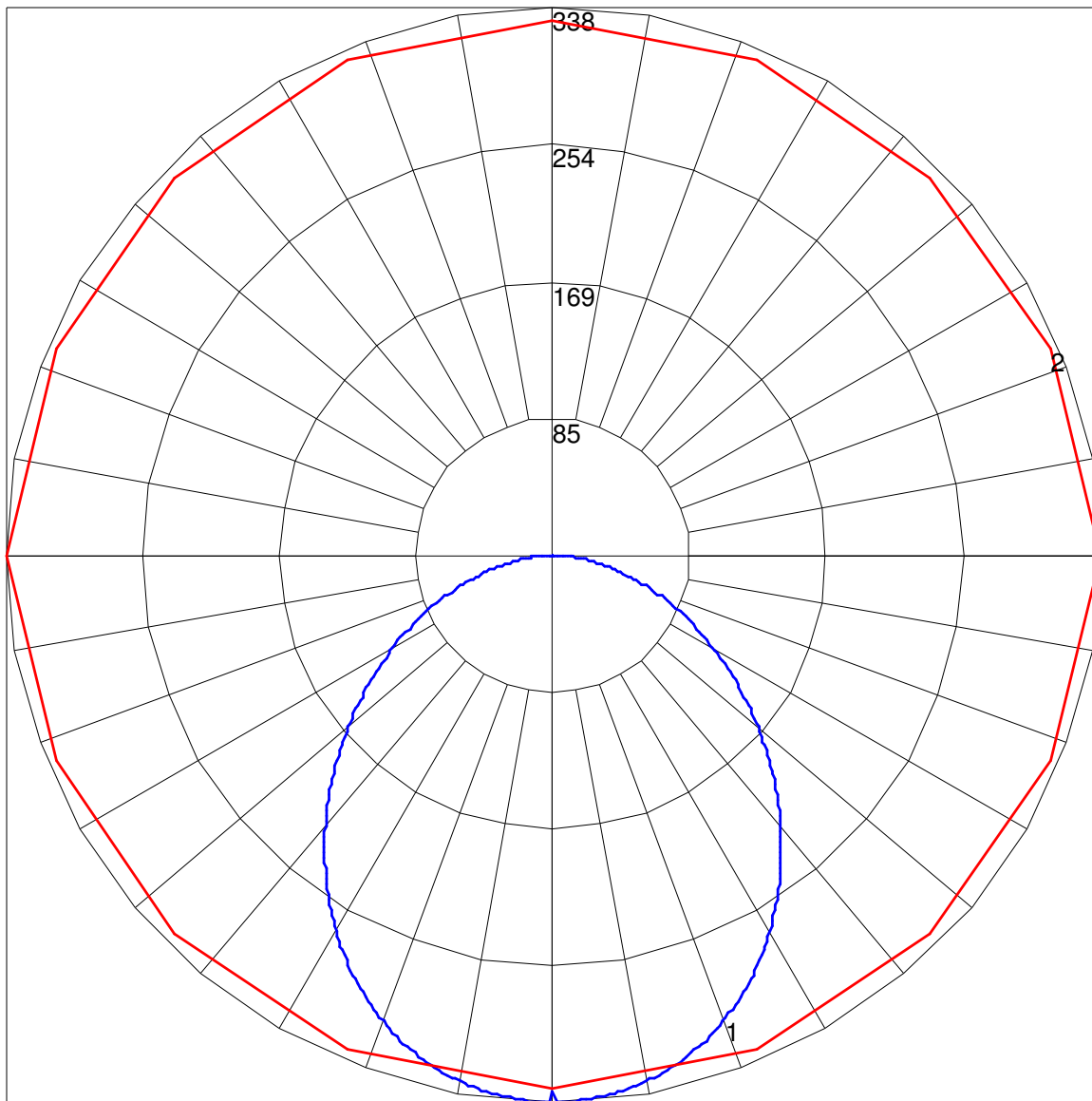
4H	2H	17.0	18.3	17.4	18.7	19.0	16.0	17.4	16.4	17.7	18.1
	3H	18.9	20.0	19.3	20.4	20.8	17.9	19.0	18.3	19.4	19.8
	4H	19.7	20.7	20.1	21.1	21.5	18.7	19.6	19.1	20.1	20.5
	6H	20.3	21.1	20.7	21.6	22.0	19.2	20.1	19.7	20.5	21.0
	8H	20.4	21.3	20.9	21.7	22.2	19.4	20.2	19.9	20.7	21.2
	12H	20.6	21.3	21.1	21.8	22.3	19.6	20.3	20.1	20.8	21.3

8H	4H	19.9	20.7	20.3	21.1	21.6	19.0	19.8	19.4	20.2	20.7
	6H	20.6	21.3	21.1	21.7	22.2	19.7	20.4	20.2	20.8	21.3
	8H	20.8	21.5	21.3	22.0	22.4	19.9	20.6	20.4	21.1	21.5
	12H	21.1	21.6	21.6	22.1	22.7	20.2	20.7	20.7	21.2	21.8

12H	4H	19.9	20.6	20.4	21.1	21.6	19.0	19.7	19.5	20.2	20.7
	6H	20.6	21.2	21.1	21.7	22.2	19.7	20.4	20.3	20.8	21.4
	8H	20.9	21.5	21.4	22.0	22.5	20.1	20.6	20.6	21.1	21.7

Maximum UGR = 22.7

POLAR GRAPH



Maximum Candela = 338.147 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.)