



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L4-840-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-L4-840-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	1669
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
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	9744	8405	7667
55	8686	7386	6762
65	7657	6511	5994
75	6316	5543	5166
85	4764	4445	4283

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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	739.276	739.276	739.276	739.276	739.276
0.5	752.310	739.882	735.639	737.458	733.820
1.0	752.310	739.579	735.639	737.458	733.517
1.5	752.007	739.579	735.336	737.155	733.214
2.0	751.704	738.973	734.730	736.851	732.305
2.5	751.401	738.367	734.427	735.942	731.699
3.0	750.794	737.761	733.517	735.336	730.486
3.5	750.188	737.155	732.608	734.123	729.274
4.0	749.582	736.548	731.699	733.214	728.364
4.5	748.976	735.639	730.789	732.002	726.849
5.0	748.369	734.730	729.274	730.486	725.333
5.5	747.157	733.517	728.061	728.668	723.212
6.0	746.248	732.305	726.546	727.152	721.393
6.5	745.338	731.396	725.030	725.030	719.271
7.0	744.126	729.880	723.515	722.909	717.150
7.5	742.914	728.668	721.696	720.787	714.725
8.0	741.701	726.849	719.877	718.362	712.603
8.5	740.186	725.333	717.756	715.937	709.875
9.0	738.670	723.818	715.634	713.209	707.147
9.5	737.155	721.999	713.209	710.178	704.116
10.0	735.639	720.181	710.784	707.450	701.388
10.5	733.820	718.362	708.359	704.419	697.751
11.0	732.002	716.240	705.631	701.388	694.417
11.5	729.880	714.118	702.904	698.054	691.082
12.0	727.758	711.694	699.872	694.720	687.445
12.5	725.940	709.269	696.841	691.082	683.505
13.0	723.515	706.844	693.810	687.445	679.867
13.5	721.090	704.116	690.476	683.505	675.927
14.0	718.968	701.388	687.445	679.867	671.987
14.5	716.240	698.660	683.808	675.927	667.743
15.0	713.815	695.932	680.474	671.684	663.803
15.5	711.087	692.901	676.533	667.440	659.256
16.0	708.966	690.173	672.896	663.197	654.710
16.5	706.844	687.142	668.956	658.650	650.163
17.0	704.116	684.111	665.015	654.103	645.616
17.5	700.176	681.080	661.075	649.557	640.767
18.0	696.538	678.352	657.134	644.707	635.614
18.5	692.901	674.715	652.891	639.857	630.461
19.0	689.870	670.774	648.647	634.705	625.308
19.5	686.536	666.834	644.404	629.552	619.852
20.0	683.202	662.893	639.857	624.702	614.093
20.5	679.564	658.953	635.614	619.549	608.637
21.0	675.927	655.316	631.067	614.093	602.878
21.5	672.290	651.375	626.521	608.941	597.423
22.0	668.349	647.132	621.671	603.485	591.664
22.5	664.712	643.192	617.124	597.726	586.208
23.0	660.469	638.948	612.881	592.270	580.752
23.5	656.528	634.402	608.031	586.814	574.993
24.0	652.285	630.158	602.575	581.358	569.537
24.5	648.041	625.611	597.423	575.902	563.778
25.0	643.798	621.368	591.967	570.143	558.019
25.5	639.554	616.518	586.814	564.687	552.260
26.0	635.008	611.972	581.358	558.928	546.804
26.5	630.764	607.122	576.205	553.472	541.348

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**CANDELA TABULATION - (Cont.)**

27.0	625.915	602.575	570.749	548.016	535.589
27.5	621.368	597.423	565.596	542.560	529.527
28.0	616.821	592.573	560.140	537.104	524.071
28.5	612.275	587.723	554.685	531.345	518.615
29.0	607.425	582.570	549.532	525.586	513.159
29.5	602.272	577.418	544.076	519.827	507.703
30.0	597.423	572.265	538.620	514.371	501.944
30.5	592.270	567.415	533.467	508.915	496.185
31.0	587.117	562.262	528.011	503.156	490.426
31.5	581.661	556.806	522.252	497.397	484.970
32.0	576.508	551.653	516.796	491.638	479.211
32.5	571.052	546.198	511.340	485.879	473.452
33.0	565.899	540.742	505.581	480.120	467.693
33.5	560.444	535.286	500.125	474.664	461.934
34.0	554.988	529.830	494.669	468.905	456.175
34.5	549.835	524.071	488.607	463.146	450.416
35.0	544.379	518.615	483.151	457.084	444.657
35.5	538.923	512.856	477.392	451.325	439.201
36.0	533.164	507.400	471.937	445.869	433.442
36.5	527.708	501.641	466.178	440.110	427.986
37.0	522.252	495.882	460.418	434.048	422.227
37.5	516.493	490.123	454.659	428.592	417.074
38.0	511.037	484.364	448.900	422.833	411.315
38.5	505.278	478.605	443.445	417.377	405.859
39.0	499.519	472.846	437.382	411.618	400.403
39.5	493.760	467.087	431.623	406.162	394.948
40.0	487.698	461.328	425.864	400.403	389.492
40.5	481.636	455.569	420.105	395.251	384.339
41.0	475.877	449.810	414.346	389.795	378.580
41.5	469.815	443.748	408.587	384.339	373.124
42.0	463.753	437.989	403.131	378.580	367.971
42.5	457.994	431.926	397.372	373.124	362.515
43.0	451.932	426.167	391.916	367.971	357.362
43.5	445.869	420.105	385.854	362.818	352.210
44.0	439.807	414.346	380.398	357.362	347.057
44.5	433.745	408.587	374.639	351.906	341.904
45.0	427.986	402.525	369.183	346.754	336.751
45.5	421.924	396.766	363.728	341.601	331.598
46.0	415.862	391.007	358.272	336.448	326.749
46.5	410.103	384.945	352.513	331.295	321.596
47.0	404.041	379.186	347.057	326.142	316.746
47.5	398.282	373.427	341.904	320.686	311.896
48.0	392.220	367.668	336.448	315.837	306.744
48.5	386.157	361.909	331.295	310.684	302.076
49.0	380.398	355.847	325.536	305.834	297.196
49.5	374.336	350.088	320.383	300.651	292.316
50.0	368.577	344.632	314.927	295.589	287.436
50.5	362.515	338.873	309.775	290.800	282.798
51.0	356.756	333.114	304.319	286.102	278.191
51.5	350.694	327.355	299.196	281.313	273.159
52.0	344.935	321.899	293.862	276.372	268.431
52.5	338.873	316.140	288.588	271.432	263.884
53.0	333.114	310.684	283.374	266.552	259.035
53.5	327.052	305.228	278.403	261.975	254.640
54.0	321.293	299.499	273.372	257.458	250.002
54.5	315.534	293.892	268.249	252.821	245.455

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**CANDELA TABULATION - (Cont.)**

55.0	309.472	288.406	263.157	248.032	240.909
55.5	303.713	282.980	258.216	243.182	236.271
56.0	297.923	277.585	253.397	238.514	231.876
56.5	292.255	272.250	248.487	234.119	227.512
57.0	286.557	266.855	243.637	229.785	223.329
57.5	280.980	261.581	238.939	225.208	218.994
58.0	275.433	256.398	234.150	220.540	214.539
58.5	270.068	251.215	229.270	215.963	210.204
59.0	264.581	246.183	224.420	211.538	206.143
59.5	259.186	241.151	219.691	207.203	201.960
60.0	253.761	236.180	215.145	202.990	197.656
60.5	248.487	231.209	210.659	198.747	193.442
61.0	243.243	226.208	206.112	194.412	189.381
61.5	237.969	221.207	201.384	190.048	185.198
62.0	232.695	216.357	196.777	185.744	181.015
62.5	227.451	211.568	192.412	181.591	176.953
63.0	222.177	206.688	188.229	177.529	172.983
63.5	216.873	201.838	184.046	173.710	169.012
64.0	211.599	196.958	179.742	169.891	165.041
64.5	206.324	192.109	175.286	165.769	161.162
65.0	201.020	187.320	170.922	161.465	157.342
65.5	195.746	182.500	166.799	157.585	153.584
66.0	190.502	177.681	162.768	154.099	149.977
66.5	185.228	172.892	158.676	150.523	146.309
67.0	179.985	168.163	154.402	146.643	142.551
67.5	174.771	163.465	150.098	142.460	138.732
68.0	169.558	158.706	145.794	138.156	134.822
68.5	164.405	153.978	141.520	134.155	130.942
69.0	159.313	149.250	137.459	130.427	127.183
69.5	154.220	144.642	133.458	126.729	123.395
70.0	149.159	140.035	129.214	122.667	119.394
70.5	144.188	135.398	124.880	118.302	115.423
71.0	139.186	130.760	120.606	114.120	111.513
71.5	134.276	126.183	116.423	110.361	107.724
72.0	129.396	121.758	112.422	106.875	104.056
72.5	124.577	117.393	108.573	103.268	100.540
73.0	119.848	113.059	104.663	99.419	96.964
73.5	115.150	108.694	100.631	95.569	93.266
74.0	110.543	104.390	96.600	91.872	89.750
74.5	105.996	100.177	92.781	88.386	86.446
75.0	101.541	96.085	89.113	84.961	83.051
75.5	97.146	92.023	85.506	81.505	79.565
76.0	92.811	87.992	81.808	78.080	76.262
76.5	88.537	83.930	78.141	74.564	73.018
77.0	84.294	79.959	74.443	71.109	69.654
77.5	80.141	76.049	70.927	67.714	66.229
78.0	75.989	72.170	67.502	64.410	62.985
78.5	71.897	68.350	64.077	61.137	59.894
79.0	67.926	64.622	60.652	57.924	56.832
79.5	63.986	60.955	57.287	54.771	53.801
80.0	60.136	57.348	54.014	51.619	50.740
80.5	56.317	53.801	50.770	48.497	47.618
81.0	52.619	50.316	47.497	45.436	44.557
81.5	49.012	46.921	44.344	42.465	41.647
82.0	45.466	43.647	41.344	39.616	38.858
82.5	42.011	40.434	38.373	36.858	36.161

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**CANDELA TABULATION - (Cont.)**

83.0	38.616	37.252	35.463	34.069	33.524
83.5	35.282	34.099	32.523	31.311	30.887
84.0	32.038	31.068	29.583	28.583	28.189
84.5	28.886	28.098	26.734	25.916	25.582
85.0	25.794	25.188	24.067	23.339	23.188
85.5	22.763	22.309	21.460	20.914	20.945
86.0	19.823	19.459	18.914	18.671	18.671
86.5	16.974	16.731	16.368	16.307	16.368
87.0	14.185	14.094	13.882	13.882	13.973
87.5	11.518	11.427	11.457	11.609	11.670
88.0	8.942	9.002	9.275	9.487	9.578
88.5	6.547	6.759	7.275	7.335	7.396
89.0	4.425	4.759	5.062	4.577	4.547
89.5	3.061	3.152	2.364	2.243	2.485
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-L4-840-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-L4-840-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	261.76	N.A.	15.70
0-30	535.90	N.A.	32.10
0-40	841.10	N.A.	50.40
0-60	1371.4	N.A.	82.20
0-80	1641.03	N.A.	98.30
0-90	1668.65	N.A.	100.00
10-90	1599.29	N.A.	95.80
20-40	579.34	N.A.	34.70
20-50	868.96	N.A.	52.10
40-70	703.56	N.A.	42.20
60-80	269.63	N.A.	16.20
70-80	96.36	N.A.	5.80
80-90	27.62	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	1668.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	69.36
10-20	192.40
20-30	274.14
30-40	305.21
40-50	289.62
50-60	240.68
60-70	173.27
70-80	96.36
80-90	27.62
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-L4-840-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	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	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-L4-840-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	19.3	20.9	19.7	21.2	21.5	18.2	19.7	18.5	20.0	20.4
	3H	21.0	22.5	21.4	22.8	23.1	19.8	21.2	20.2	21.6	21.9
	4H	21.7	23.0	22.1	23.3	23.7	20.4	21.8	20.8	22.1	22.5
	6H	22.1	23.3	22.5	23.7	24.1	20.9	22.1	21.3	22.5	22.9
	8H	22.3	23.4	22.7	23.8	24.2	21.1	22.2	21.5	22.6	23.0
	12H	22.3	23.5	22.8	23.9	24.3	21.2	22.3	21.6	22.7	23.1

UGR Viewed Endwise

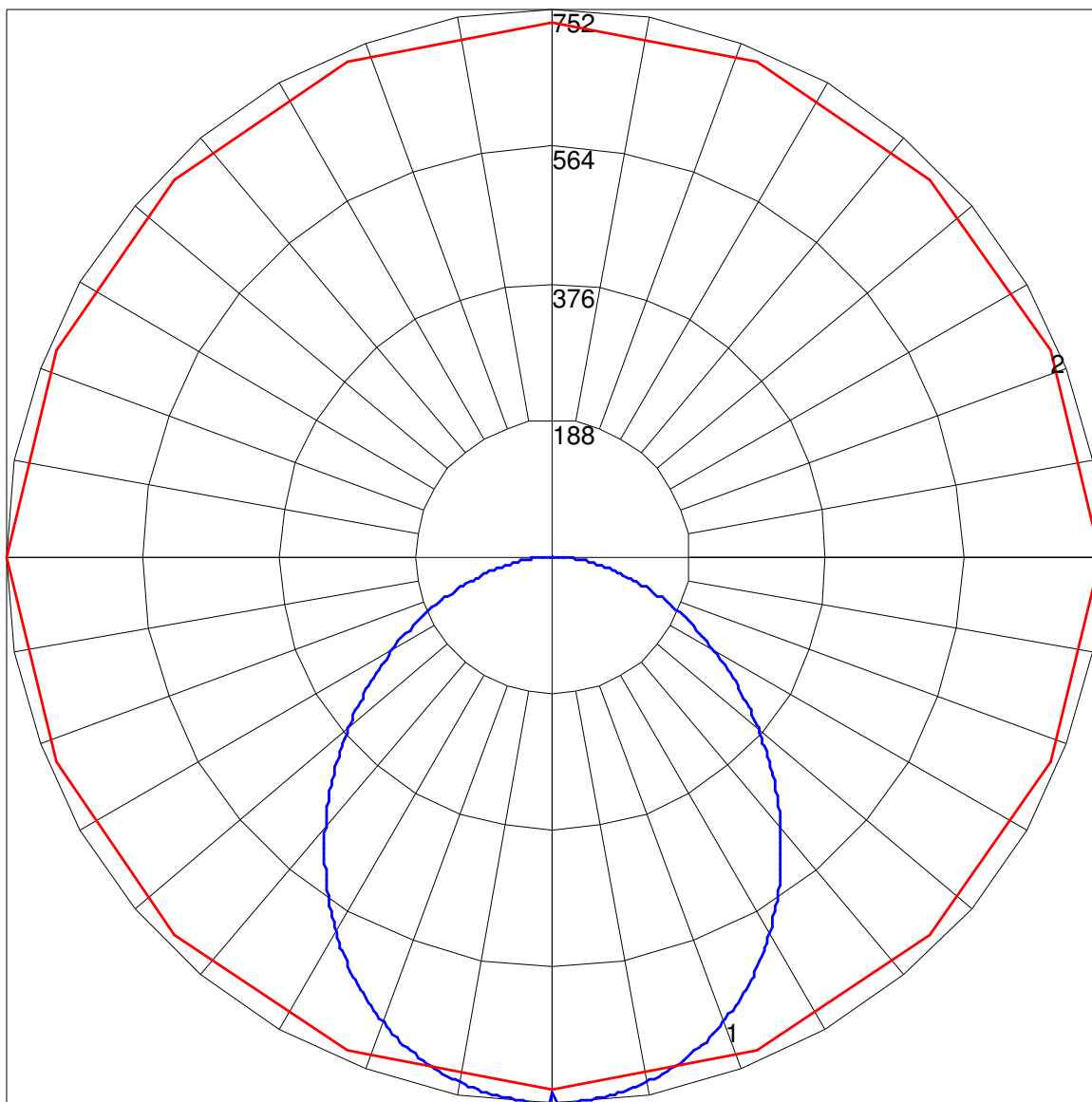
4H	2H	19.8	21.1	20.2	21.4	21.8	18.8	20.2	19.2	20.5	20.9
	3H	21.7	22.8	22.1	23.2	23.6	20.7	21.8	21.1	22.2	22.6
	4H	22.5	23.5	22.9	23.9	24.3	21.5	22.4	21.9	22.9	23.3
	6H	23.1	23.9	23.5	24.4	24.8	22.0	22.9	22.5	23.3	23.8
	8H	23.2	24.1	23.7	24.5	25.0	22.2	23.0	22.7	23.5	24.0
	12H	23.4	24.1	23.9	24.6	25.1	22.4	23.1	22.9	23.6	24.1

8H	4H	22.7	23.5	23.1	23.9	24.4	21.8	22.6	22.2	23.0	23.5
	6H	23.4	24.1	23.9	24.5	25.0	22.5	23.2	23.0	23.6	24.1
	8H	23.6	24.3	24.1	24.8	25.2	22.7	23.4	23.2	23.9	24.3
	12H	23.9	24.4	24.4	24.9	25.5	23.0	23.5	23.5	24.0	24.6

12H	4H	22.7	23.4	23.2	23.9	24.4	21.8	22.5	22.3	23.0	23.5
	6H	23.4	24.0	23.9	24.5	25.0	22.5	23.2	23.1	23.6	24.2
	8H	23.7	24.3	24.2	24.8	25.3	22.9	23.4	23.4	23.9	24.5

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 752.31 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.)