



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L4-927-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-L4-927-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	1296
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	7568	6528	5955
55	6746	5737	5252
65	5947	5057	4655
75	4905	4305	4012
85	3700	3453	3327

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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	574.195	574.195	574.195	574.195	574.195
0.5	584.318	574.666	571.370	572.782	569.957
1.0	584.318	574.430	571.370	572.782	569.722
1.5	584.083	574.430	571.134	572.547	569.487
2.0	583.847	573.960	570.664	572.312	568.780
2.5	583.612	573.489	570.428	571.605	568.309
3.0	583.141	573.018	569.722	571.134	567.368
3.5	582.670	572.547	569.016	570.193	566.426
4.0	582.199	572.076	568.309	569.487	565.720
4.5	581.728	571.370	567.603	568.545	564.543
5.0	581.258	570.664	566.426	567.368	563.366
5.5	580.316	569.722	565.484	565.955	561.718
6.0	579.610	568.780	564.307	564.778	560.305
6.5	578.903	568.074	563.130	563.130	558.657
7.0	577.962	566.897	561.953	561.482	557.009
7.5	577.020	565.955	560.540	559.834	555.126
8.0	576.078	564.543	559.128	557.951	553.478
8.5	574.901	563.366	557.480	556.067	551.359
9.0	573.724	562.188	555.832	553.949	549.240
9.5	572.547	560.776	553.949	551.594	546.886
10.0	571.370	559.363	552.065	549.476	544.767
10.5	569.957	557.951	550.182	547.121	541.942
11.0	568.545	556.303	548.063	544.767	539.352
11.5	566.897	554.655	545.944	542.178	536.763
12.0	565.249	552.772	543.590	539.588	533.938
12.5	563.836	550.888	541.236	536.763	530.877
13.0	561.953	549.005	538.882	533.938	528.052
13.5	560.070	546.886	536.292	530.877	524.992
14.0	558.422	544.767	533.938	528.052	521.931
14.5	556.303	542.648	531.113	524.992	518.635
15.0	554.420	540.530	528.523	521.696	515.575
15.5	552.301	538.175	525.463	518.400	512.043
16.0	550.653	536.057	522.638	515.104	508.512
16.5	549.005	533.702	519.577	511.573	504.981
17.0	546.886	531.348	516.517	508.041	501.449
17.5	543.826	528.994	513.456	504.510	497.683
18.0	541.000	526.875	510.396	500.743	493.681
18.5	538.175	524.050	507.100	496.976	489.678
19.0	535.821	520.990	503.804	492.974	485.676
19.5	533.232	517.929	500.508	488.972	481.439
20.0	530.642	514.869	496.976	485.205	476.966
20.5	527.817	511.808	493.681	481.203	472.728
21.0	524.992	508.983	490.149	476.966	468.255
21.5	522.167	505.923	486.618	472.963	464.017
22.0	519.106	502.627	482.851	468.726	459.544
22.5	516.281	499.566	479.320	464.253	455.307
23.0	512.985	496.270	476.024	460.015	451.069
23.5	509.925	492.739	472.257	455.778	446.596
24.0	506.629	489.443	468.020	451.540	442.358
24.5	503.333	485.912	464.017	447.302	437.885
25.0	500.037	482.616	459.780	442.829	433.412
25.5	496.741	478.849	455.778	438.592	428.939
26.0	493.210	475.318	451.540	434.119	424.702
26.5	489.914	471.551	447.538	429.881	420.464

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**CANDELA TABULATION - (Cont.)**

27.0	486.147	468.020	443.300	425.644	415.991
27.5	482.616	464.017	439.298	421.406	411.283
28.0	479.084	460.251	435.060	417.168	407.045
28.5	475.553	456.484	430.823	412.695	402.808
29.0	471.786	452.482	426.821	408.222	398.570
29.5	467.784	448.479	422.583	403.749	394.332
30.0	464.017	444.477	418.345	399.512	389.859
30.5	460.015	440.711	414.343	395.274	385.386
31.0	456.013	436.708	410.106	390.801	380.913
31.5	451.775	432.471	405.633	386.328	376.676
32.0	447.773	428.469	401.395	381.855	372.203
32.5	443.536	424.231	397.157	377.382	367.730
33.0	439.533	419.993	392.684	372.909	363.257
33.5	435.296	415.756	388.447	368.671	358.784
34.0	431.058	411.518	384.209	364.198	354.311
34.5	427.056	407.045	379.501	359.725	349.838
35.0	422.818	402.808	375.263	355.017	345.365
35.5	418.581	398.335	370.790	350.544	341.127
36.0	414.108	394.097	366.553	346.306	336.654
36.5	409.870	389.624	362.079	341.833	332.416
37.0	405.633	385.151	357.606	337.125	327.943
37.5	401.160	380.678	353.133	332.887	323.941
38.0	396.922	376.205	348.660	328.414	319.468
38.5	392.449	371.732	344.423	324.177	315.230
39.0	387.976	367.259	339.714	319.703	310.993
39.5	383.503	362.786	335.241	315.466	306.755
40.0	378.794	358.313	330.768	310.993	302.518
40.5	374.086	353.840	326.295	306.991	298.515
41.0	369.613	349.367	321.822	302.753	294.042
41.5	364.905	344.658	317.349	298.515	289.805
42.0	360.196	340.185	313.112	294.042	285.803
42.5	355.723	335.477	308.639	289.805	281.565
43.0	351.015	331.004	304.401	285.803	277.563
43.5	346.306	326.295	299.693	281.800	273.561
44.0	341.598	321.822	295.455	277.563	269.559
44.5	336.889	317.349	290.982	273.325	265.556
45.0	332.416	312.641	286.744	269.323	261.554
45.5	327.708	308.168	282.507	265.321	257.552
46.0	322.999	303.695	278.269	261.319	253.785
46.5	318.526	298.986	273.796	257.317	249.783
47.0	313.818	294.513	269.559	253.314	246.016
47.5	309.345	290.040	265.556	249.077	242.250
48.0	304.636	285.567	261.319	245.310	238.247
48.5	299.928	281.094	257.317	241.308	234.622
49.0	295.455	276.386	252.844	237.541	230.832
49.5	290.747	271.913	248.841	233.515	227.041
50.0	286.274	267.675	244.604	229.584	223.251
50.5	281.565	263.202	240.602	225.864	219.649
51.0	277.092	258.729	236.364	222.215	216.071
51.5	272.384	254.256	232.385	218.495	212.163
52.0	267.911	250.018	228.242	214.658	208.490
52.5	263.202	245.545	224.146	210.821	204.959
53.0	258.729	241.308	220.096	207.030	201.192
53.5	254.021	237.070	216.235	203.475	197.778
54.0	249.548	232.621	212.327	199.968	194.176
54.5	245.075	228.265	208.349	196.366	190.645

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**CANDELA TABULATION - (Cont.)**

55.0	240.366	224.004	204.394	192.646	187.114
55.5	235.893	219.790	200.556	188.879	183.512
56.0	231.397	215.600	196.813	185.254	180.098
56.5	226.994	211.456	192.999	181.840	176.708
57.0	222.568	207.266	189.232	178.474	173.459
57.5	218.236	203.169	185.583	174.919	170.093
58.0	213.928	199.144	181.864	171.293	166.632
58.5	209.761	195.118	178.073	167.738	163.265
59.0	205.500	191.210	174.307	164.301	160.111
59.5	201.310	187.302	170.634	160.935	156.862
60.0	197.096	183.441	167.103	157.662	153.519
60.5	192.999	179.580	163.618	154.366	150.247
61.0	188.926	175.696	160.087	151.000	147.092
61.5	184.830	171.811	156.415	147.610	143.843
62.0	180.734	168.044	152.836	144.267	140.594
62.5	176.661	164.325	149.446	141.041	137.440
63.0	172.565	160.534	146.197	137.887	134.356
63.5	168.445	156.768	142.948	134.921	131.271
64.0	164.348	152.977	139.605	131.954	128.187
64.5	160.252	149.211	136.145	128.752	125.174
65.0	156.132	145.491	132.755	125.409	122.208
65.5	152.036	141.748	129.553	122.396	119.288
66.0	147.963	138.005	126.422	119.689	116.487
66.5	143.867	134.285	123.244	116.911	113.638
67.0	139.794	130.612	119.924	113.897	110.719
67.5	135.744	126.963	116.581	110.648	107.753
68.0	131.695	123.267	113.238	107.305	104.716
68.5	127.693	119.595	109.919	104.198	101.702
69.0	123.738	115.922	106.764	101.302	98.783
69.5	119.783	112.344	103.656	98.430	95.840
70.0	115.851	108.765	100.361	95.275	92.733
70.5	111.990	105.163	96.994	91.885	89.649
71.0	108.106	101.561	93.675	88.636	86.612
71.5	104.292	98.006	90.426	85.717	83.669
72.0	100.502	94.569	87.318	83.010	80.820
72.5	96.759	91.179	84.328	80.208	78.090
73.0	93.086	87.813	81.291	77.219	75.312
73.5	89.437	84.422	78.160	74.229	72.439
74.0	85.859	81.079	75.029	71.356	69.709
74.5	82.327	77.807	72.063	68.649	67.142
75.0	78.866	74.629	69.214	65.989	64.506
75.5	75.453	71.474	66.413	63.305	61.798
76.0	72.086	68.343	63.540	60.645	59.232
76.5	68.767	65.188	60.692	57.914	56.713
77.0	65.471	62.104	57.820	55.230	54.100
77.5	62.246	59.067	55.089	52.593	51.440
78.0	59.020	56.054	52.429	50.027	48.921
78.5	55.842	53.088	49.768	47.485	46.519
79.0	52.758	50.192	47.108	44.989	44.142
79.5	49.698	47.343	44.495	42.541	41.787
80.0	46.708	44.542	41.952	40.092	39.410
80.5	43.741	41.787	39.433	37.668	36.985
81.0	40.869	39.080	36.891	35.290	34.607
81.5	38.068	36.443	34.442	32.983	32.347
82.0	35.313	33.901	32.112	30.770	30.181
82.5	32.630	31.405	29.804	28.627	28.086

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**CANDELA TABULATION - (Cont.)**

83.0	29.993	28.933	27.544	26.461	26.038
83.5	27.403	26.485	25.261	24.319	23.990
84.0	24.884	24.131	22.977	22.200	21.894
84.5	22.436	21.824	20.764	20.129	19.870
85.0	20.034	19.564	18.693	18.128	18.010
85.5	17.680	17.327	16.668	16.244	16.268
86.0	15.397	15.114	14.690	14.502	14.502
86.5	13.184	12.995	12.713	12.666	12.713
87.0	11.018	10.947	10.782	10.782	10.853
87.5	8.946	8.875	8.899	9.017	9.064
88.0	6.945	6.992	7.204	7.369	7.439
88.5	5.085	5.250	5.650	5.697	5.744
89.0	3.437	3.696	3.932	3.555	3.531
89.5	2.378	2.448	1.836	1.742	1.930
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-L4-927-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-L4-927-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	203.31	N.A.	15.70
0-30	416.23	N.A.	32.10
0-40	653.28	N.A.	50.40
0-60	1065.16	N.A.	82.20
0-80	1274.58	N.A.	98.30
0-90	1296.04	N.A.	100.00
10-90	1242.17	N.A.	95.80
20-40	449.97	N.A.	34.70
20-50	674.92	N.A.	52.10
40-70	546.46	N.A.	42.20
60-80	209.42	N.A.	16.20
70-80	74.84	N.A.	5.80
80-90	21.45	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	1296.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	53.87
10-20	149.44
20-30	212.92
30-40	237.05
40-50	224.95
50-60	186.93
60-70	134.58
70-80	74.84
80-90	21.45
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-L4-927-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

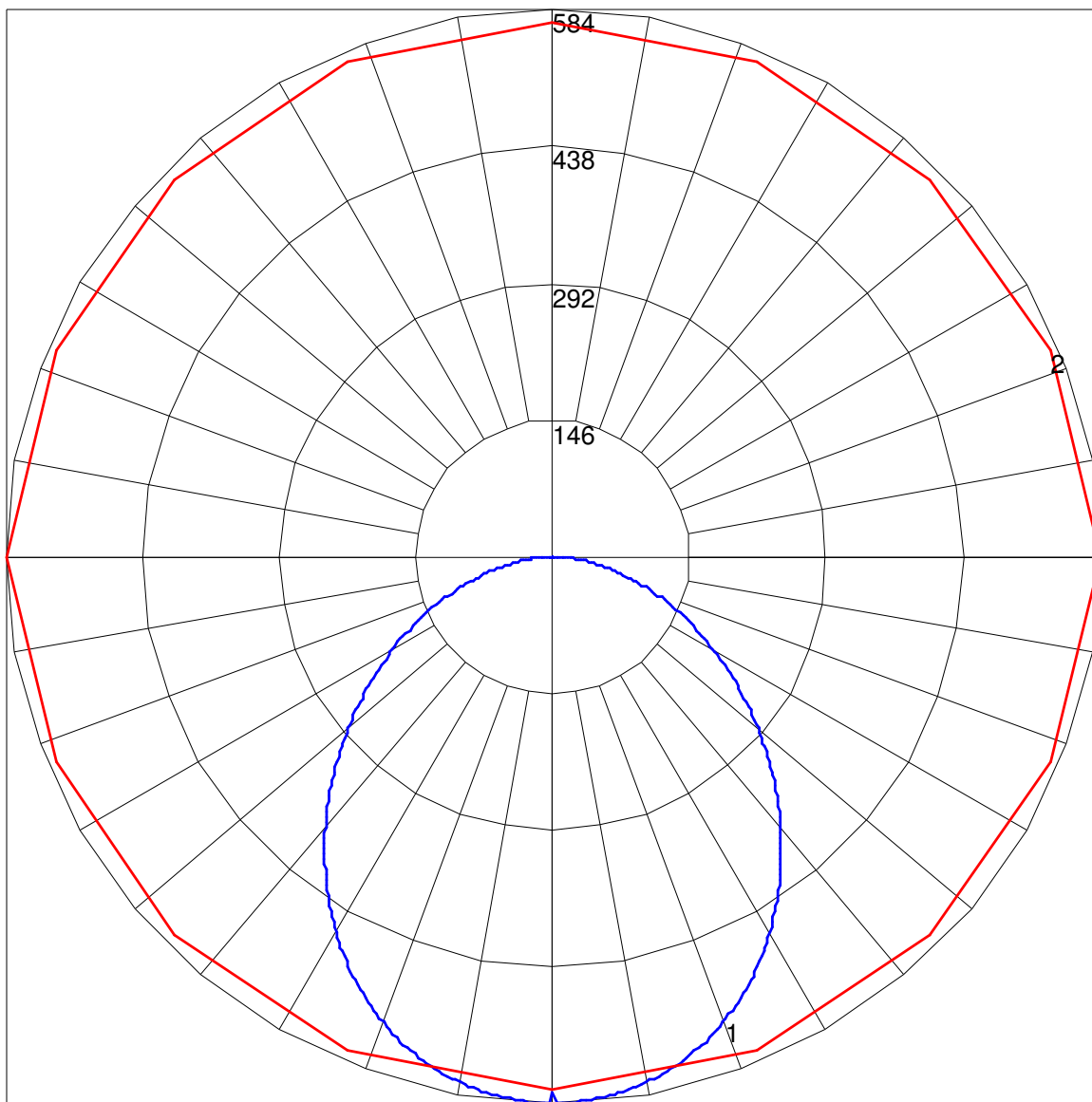
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX2-4-L4-927-DMA-DIM-UNV\_.IES**

**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	18.4	20.0	18.8	20.3	20.6	17.3	18.8	17.6	19.1	19.5
	3H	20.1	21.6	20.5	21.9	22.2	18.9	20.3	19.3	20.7	21.0
	4H	20.8	22.1	21.2	22.4	22.8	19.5	20.9	19.9	21.2	21.6
	6H	21.2	22.4	21.6	22.8	23.2	20.0	21.2	20.4	21.6	22.0
	8H	21.4	22.5	21.8	22.9	23.3	20.2	21.3	20.6	21.7	22.1
	12H	21.4	22.6	21.9	23.0	23.4	20.3	21.4	20.7	21.8	22.2
4H	2H	18.9	20.2	19.3	20.5	20.9	17.9	19.3	18.3	19.6	20.0
	3H	20.8	21.9	21.2	22.3	22.7	19.8	20.9	20.2	21.3	21.7
	4H	21.6	22.6	22.0	23.0	23.4	20.6	21.5	21.0	22.0	22.4
	6H	22.2	23.0	22.6	23.5	23.9	21.1	22.0	21.6	22.4	22.9
	8H	22.3	23.2	22.8	23.6	24.1	21.3	22.1	21.8	22.6	23.1
	12H	22.5	23.2	23.0	23.7	24.2	21.5	22.2	22.0	22.7	23.2
8H	4H	21.8	22.6	22.2	23.0	23.5	20.9	21.7	21.3	22.1	22.6
	6H	22.5	23.2	23.0	23.6	24.1	21.6	22.3	22.1	22.7	23.2
	8H	22.7	23.3	23.2	23.9	24.3	21.8	22.5	22.3	23.0	23.4
	12H	23.0	23.5	23.5	24.0	24.6	22.1	22.6	22.6	23.1	23.7
12H	4H	21.8	22.5	22.3	23.0	23.5	20.9	21.6	21.4	22.1	22.6
	6H	22.5	23.1	23.0	23.6	24.1	21.6	22.3	22.2	22.7	23.3
	8H	22.8	23.4	23.3	23.9	24.4	22.0	22.5	22.5	23.0	23.6

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 584.318 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.)