



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L4-827-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-L4-827-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	1571
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
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	9176	7916	7220
55	8180	6956	6368
65	7211	6132	5644
75	5948	5220	4865
85	4487	4186	4034

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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	696.212	696.212	696.212	696.212	696.212
0.5	708.486	696.782	692.786	694.499	691.073
1.0	708.486	696.497	692.786	694.499	690.788
1.5	708.200	696.497	692.501	694.213	690.503
2.0	707.915	695.926	691.930	693.928	689.646
2.5	707.630	695.355	691.644	693.072	689.075
3.0	707.059	694.784	690.788	692.501	687.934
3.5	706.488	694.213	689.932	691.359	686.792
4.0	705.917	693.643	689.075	690.503	685.935
4.5	705.346	692.786	688.219	689.361	684.508
5.0	704.775	691.930	686.792	687.934	683.081
5.5	703.633	690.788	685.650	686.221	681.083
6.0	702.777	689.646	684.223	684.794	679.370
6.5	701.921	688.790	682.795	682.795	677.372
7.0	700.779	687.363	681.368	680.797	675.374
7.5	699.637	686.221	679.655	678.799	673.090
8.0	698.495	684.508	677.943	676.516	671.092
8.5	697.068	683.081	675.945	674.232	668.523
9.0	695.641	681.654	673.946	671.663	665.954
9.5	694.213	679.941	671.663	668.808	663.099
10.0	692.786	678.228	669.379	666.239	660.530
10.5	691.073	676.516	667.096	663.385	657.105
11.0	689.361	674.517	664.527	660.530	653.965
11.5	687.363	672.519	661.958	657.390	650.825
12.0	685.364	670.236	659.103	654.250	647.400
12.5	683.652	667.952	656.249	650.825	643.689
13.0	681.368	665.668	653.394	647.400	640.263
13.5	679.085	663.099	650.254	643.689	636.553
14.0	677.086	660.530	647.400	640.263	632.842
14.5	674.517	657.961	643.974	636.553	628.845
15.0	672.234	655.392	640.834	632.556	625.135
15.5	669.665	652.538	637.123	628.560	620.853
16.0	667.667	649.969	633.698	624.564	616.571
16.5	665.668	647.114	629.987	620.282	612.289
17.0	663.099	644.260	626.276	616.000	608.008
17.5	659.389	641.405	622.566	611.718	603.440
18.0	655.963	638.836	618.855	607.151	598.588
18.5	652.538	635.411	614.858	602.584	593.735
19.0	649.683	631.700	610.862	597.731	588.883
19.5	646.543	627.989	606.866	592.879	583.744
20.0	643.403	624.278	602.584	588.312	578.321
20.5	639.978	620.567	598.588	583.459	573.183
21.0	636.553	617.142	594.306	578.321	567.759
21.5	633.127	613.431	590.024	573.468	562.621
22.0	629.416	609.435	585.457	568.330	557.198
22.5	625.991	605.724	581.175	562.907	552.060
23.0	621.995	601.728	577.179	557.769	546.921
23.5	618.284	597.446	572.612	552.630	541.498
24.0	614.288	593.450	567.474	547.492	536.360
24.5	610.291	589.168	562.621	542.354	530.936
25.0	606.295	585.172	557.483	536.931	525.513
25.5	602.299	580.604	552.630	531.793	520.089
26.0	598.017	576.323	547.492	526.369	514.951
26.5	594.021	571.756	542.640	521.231	509.813

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**CANDELA TABULATION - (Cont.)**

27.0	589.453	567.474	537.502	516.093	504.389
27.5	585.172	562.621	532.649	510.955	498.680
28.0	580.890	558.054	527.511	505.817	493.542
28.5	576.608	553.487	522.373	500.393	488.404
29.0	572.041	548.634	517.520	494.970	483.266
29.5	567.188	543.781	512.382	489.546	478.128
30.0	562.621	538.929	507.244	484.408	472.705
30.5	557.769	534.362	502.391	479.270	467.281
31.0	552.916	529.509	497.253	473.846	461.857
31.5	547.778	524.371	491.830	468.423	456.719
32.0	542.925	519.518	486.692	462.999	451.296
32.5	537.787	514.380	481.553	457.576	445.872
33.0	532.934	509.242	476.130	452.152	440.449
33.5	527.796	504.104	470.992	447.014	435.025
34.0	522.658	498.966	465.854	441.591	429.602
34.5	517.806	493.542	460.145	436.167	424.178
35.0	512.667	488.404	455.007	430.458	418.755
35.5	507.529	482.981	449.583	425.034	413.616
36.0	502.106	477.843	444.445	419.896	408.193
36.5	496.968	472.419	439.021	414.473	403.055
37.0	491.830	466.996	433.598	408.764	397.631
37.5	486.406	461.572	428.174	403.626	392.779
38.0	481.268	456.148	422.751	398.202	387.355
38.5	475.844	450.725	417.613	393.064	382.217
39.0	470.421	445.301	411.904	387.641	377.079
39.5	464.997	439.878	406.480	382.502	371.941
40.0	459.288	434.454	401.057	377.079	366.803
40.5	453.579	429.031	395.633	372.226	361.950
41.0	448.156	423.607	390.210	367.088	356.527
41.5	442.447	417.898	384.786	361.950	351.388
42.0	436.738	412.475	379.648	356.527	346.536
42.5	431.314	406.766	374.224	351.388	341.398
43.0	425.605	401.342	369.086	346.536	336.545
43.5	419.896	395.633	363.377	341.683	331.692
44.0	414.187	390.210	358.239	336.545	326.840
44.5	408.478	384.786	352.816	331.407	321.987
45.0	403.055	379.077	347.678	326.554	317.134
45.5	397.346	373.654	342.540	321.702	312.282
46.0	391.637	368.230	337.401	316.849	307.715
46.5	386.213	362.521	331.978	311.996	302.862
47.0	380.504	357.097	326.840	307.144	298.295
47.5	375.081	351.674	321.987	302.006	293.728
48.0	369.372	346.250	316.849	297.438	288.875
48.5	363.663	340.827	311.996	292.586	284.479
49.0	358.239	335.118	306.573	288.019	279.883
49.5	352.530	329.694	301.720	283.137	275.288
50.0	347.107	324.556	296.582	278.370	270.692
50.5	341.398	319.133	291.729	273.860	266.324
51.0	335.974	313.709	286.591	269.436	261.986
51.5	330.265	308.286	281.767	264.926	257.247
52.0	324.842	303.147	276.743	260.273	252.794
52.5	319.133	297.724	271.777	255.620	248.512
53.0	313.709	292.586	266.867	251.024	243.945
53.5	308.000	287.448	262.185	246.714	239.806
54.0	302.577	282.053	257.447	242.461	235.439
54.5	297.153	276.772	252.623	238.094	231.157

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**CANDELA TABULATION - (Cont.)**

55.0	291.444	271.605	247.827	233.583	226.875
55.5	286.020	266.496	243.175	229.016	222.508
56.0	280.568	261.415	238.636	224.620	218.369
56.5	275.230	256.391	234.012	220.481	214.258
57.0	269.864	251.310	229.444	216.399	210.319
57.5	264.612	246.343	225.020	212.089	206.237
58.0	259.388	241.462	220.510	207.693	202.041
58.5	254.336	236.581	215.914	203.383	197.959
59.0	249.169	231.842	211.347	199.215	194.134
59.5	244.088	227.104	206.894	195.133	190.195
60.0	238.978	222.422	202.612	191.166	186.142
60.5	234.012	217.741	198.387	187.169	182.174
61.0	229.073	213.031	194.106	183.087	178.349
61.5	224.106	208.321	189.653	178.977	174.410
62.0	219.140	203.754	185.314	174.924	170.470
62.5	214.201	199.244	181.203	171.013	166.645
63.0	209.235	194.648	177.264	167.188	162.906
63.5	204.239	190.081	173.325	163.591	159.167
64.0	199.272	185.485	169.272	159.994	155.427
64.5	194.306	180.918	165.076	156.112	151.774
65.0	189.310	176.408	160.965	152.059	148.177
65.5	184.343	171.869	157.083	148.405	144.637
66.0	179.405	167.331	153.286	145.123	141.240
66.5	174.438	162.820	149.433	141.754	137.787
67.0	169.500	158.367	145.408	138.101	134.247
67.5	164.590	153.943	141.355	134.161	130.650
68.0	159.681	149.461	137.301	130.108	126.968
68.5	154.828	145.008	133.276	126.340	123.314
69.0	150.032	140.555	129.451	122.829	119.775
69.5	145.237	136.217	125.683	119.346	116.207
70.0	140.470	131.878	121.687	115.521	112.439
70.5	135.788	127.510	117.605	111.411	108.699
71.0	131.078	123.143	113.580	107.472	105.017
71.5	126.454	118.833	109.641	103.932	101.449
72.0	121.858	114.665	105.873	100.650	97.995
72.5	117.320	110.555	102.248	97.253	94.684
73.0	112.867	106.473	98.566	93.627	91.315
73.5	108.442	102.362	94.769	90.002	87.833
74.0	104.103	98.309	90.973	86.520	84.522
74.5	99.822	94.341	87.376	83.237	81.410
75.0	95.626	90.488	83.922	80.012	78.213
75.5	91.487	86.662	80.525	76.757	74.931
76.0	87.405	82.866	77.043	73.532	71.819
76.5	83.380	79.041	73.589	70.221	68.765
77.0	79.384	75.302	70.106	66.966	65.596
77.5	75.473	71.619	66.795	63.769	62.371
78.0	71.562	67.966	63.570	60.658	59.316
78.5	67.709	64.369	60.344	57.575	56.405
79.0	63.969	60.858	57.118	54.549	53.522
79.5	60.258	57.404	53.950	51.581	50.667
80.0	56.633	54.007	50.867	48.612	47.784
80.5	53.037	50.667	47.813	45.672	44.844
81.0	49.554	47.385	44.730	42.789	41.961
81.5	46.157	44.188	41.761	39.991	39.221
82.0	42.817	41.105	38.935	37.308	36.595
82.5	39.563	38.079	36.138	34.711	34.054

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

83.0	36.366	35.082	33.398	32.085	31.571
83.5	33.226	32.113	30.629	29.487	29.087
84.0	30.172	29.259	27.860	26.918	26.547
84.5	27.203	26.461	25.177	24.406	24.092
85.0	24.292	23.721	22.665	21.980	21.837
85.5	21.437	21.009	20.210	19.696	19.725
86.0	18.668	18.326	17.812	17.584	17.584
86.5	15.985	15.757	15.414	15.357	15.414
87.0	13.359	13.273	13.074	13.074	13.159
87.5	10.847	10.761	10.790	10.933	10.990
88.0	8.421	8.478	8.735	8.935	9.020
88.5	6.166	6.366	6.851	6.908	6.965
89.0	4.168	4.482	4.767	4.310	4.282
89.5	2.883	2.969	2.227	2.112	2.341
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-L4-827-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-L4-827-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	246.51	N.A.	15.70
0-30	504.68	N.A.	32.10
0-40	792.11	N.A.	50.40
0-60	1291.51	N.A.	82.20
0-80	1545.43	N.A.	98.30
0-90	1571.44	N.A.	100.00
10-90	1506.13	N.A.	95.80
20-40	545.59	N.A.	34.70
20-50	818.34	N.A.	52.10
40-70	662.58	N.A.	42.20
60-80	253.92	N.A.	16.20
70-80	90.75	N.A.	5.80
80-90	26.01	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	1571.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	65.32
10-20	181.20
20-30	258.17
30-40	287.43
40-50	272.75
50-60	226.66
60-70	163.18
70-80	90.75
80-90	26.01
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-L4-827-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-L4-827-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

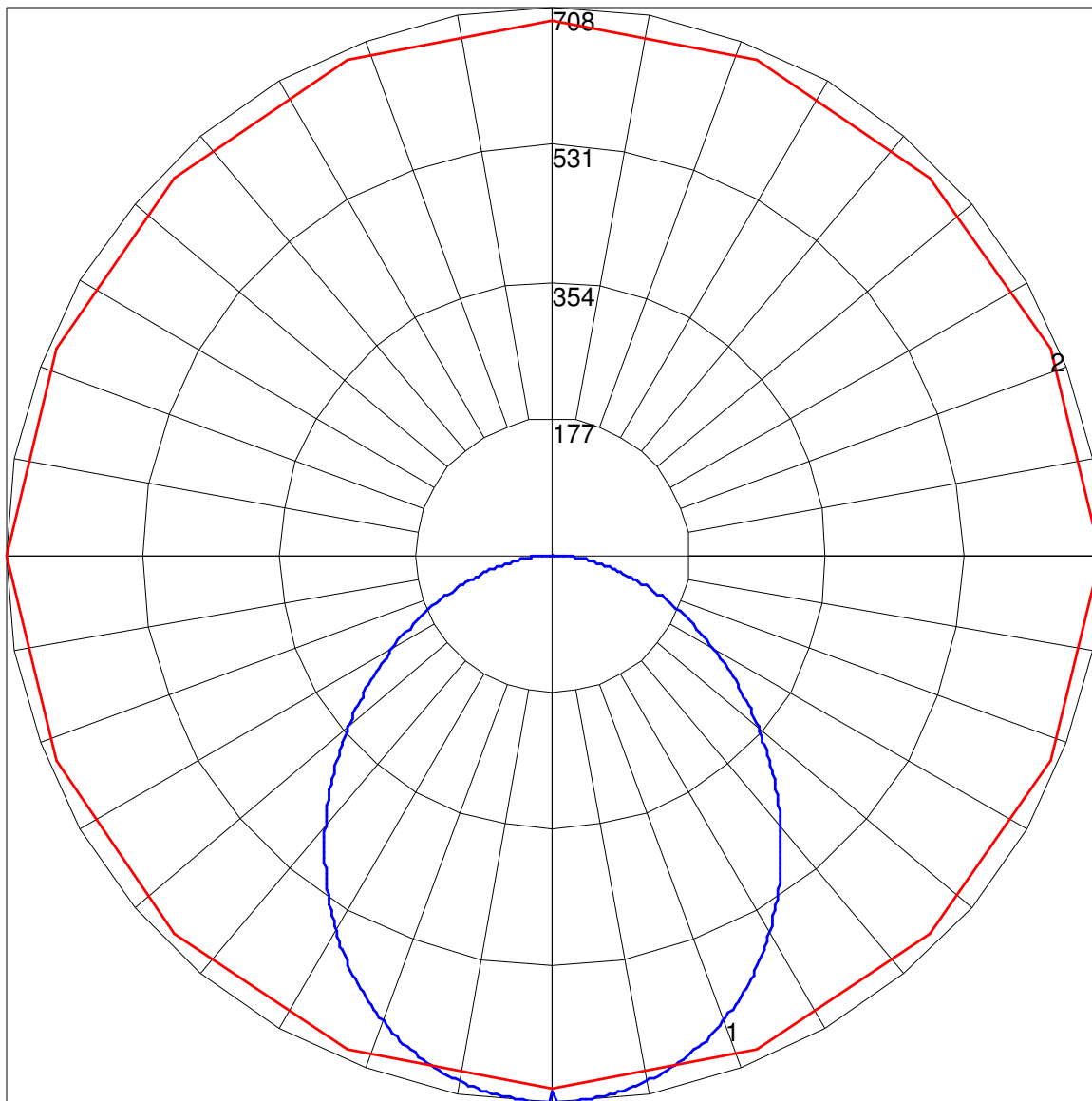
Reflectances

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	19.1	20.7	19.5	21.0	21.3	18.0	19.5	18.3	19.8	20.2
	3H	20.8	22.3	21.2	22.6	22.9	19.6	21.0	20.0	21.4	21.7
	4H	21.5	22.8	21.9	23.1	23.5	20.2	21.6	20.6	21.9	22.3
	6H	21.9	23.1	22.3	23.5	23.9	20.7	21.9	21.1	22.3	22.7
	8H	22.1	23.2	22.5	23.6	24.0	20.9	22.0	21.3	22.4	22.8
	12H	22.1	23.3	22.6	23.6	24.1	21.0	22.1	21.4	22.5	22.9
4H	2H	19.6	20.9	20.0	21.2	21.6	18.6	20.0	19.0	20.3	20.7
	3H	21.5	22.6	21.9	23.0	23.4	20.5	21.6	20.9	22.0	22.4
	4H	22.3	23.3	22.7	23.7	24.1	21.2	22.2	21.7	22.7	23.1
	6H	22.9	23.7	23.3	24.2	24.6	21.8	22.7	22.3	23.1	23.6
	8H	23.0	23.9	23.5	24.3	24.8	22.0	22.8	22.5	23.3	23.8
	12H	23.2	23.9	23.7	24.4	24.9	22.2	22.9	22.7	23.4	23.9
8H	4H	22.5	23.3	22.9	23.7	24.2	21.6	22.4	22.0	22.8	23.3
	6H	23.2	23.9	23.7	24.3	24.8	22.3	23.0	22.8	23.4	23.9
	8H	23.4	24.0	23.9	24.6	25.0	22.5	23.2	23.0	23.7	24.1
	12H	23.7	24.2	24.2	24.7	25.3	22.8	23.3	23.3	23.8	24.4
12H	4H	22.5	23.2	23.0	23.7	24.2	21.6	22.3	22.1	22.8	23.3
	6H	23.2	23.8	23.7	24.3	24.8	22.3	23.0	22.9	23.4	24.0
	8H	23.5	24.1	24.0	24.6	25.1	22.7	23.2	23.2	23.7	24.3

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 708.486 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.)