



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L4-830-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-L4-830-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	1604
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
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	9365	8079	7369
55	8349	7099	6499
65	7360	6258	5761
75	6071	5328	4965
85	4580	4273	4117

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2-4-L4-830-DMA-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	710.566	710.566	710.566	710.566	710.566
0.5	723.094	711.149	707.070	708.818	705.322
1.0	723.094	710.858	707.070	708.818	705.031
1.5	722.802	710.858	706.779	708.527	704.740
2.0	722.511	710.275	706.196	708.236	703.866
2.5	722.220	709.692	705.905	707.362	703.283
3.0	721.637	709.110	705.031	706.779	702.118
3.5	721.054	708.527	704.157	705.614	700.952
4.0	720.472	707.944	703.283	704.740	700.078
4.5	719.889	707.070	702.409	703.574	698.622
5.0	719.306	706.196	700.952	702.118	697.165
5.5	718.141	705.031	699.787	700.370	695.126
6.0	717.267	703.866	698.330	698.913	693.378
6.5	716.393	702.992	696.874	696.874	691.338
7.0	715.228	701.535	695.417	694.834	689.299
7.5	714.062	700.370	693.669	692.795	686.968
8.0	712.897	698.622	691.921	690.464	684.929
8.5	711.440	697.165	689.882	688.134	682.307
9.0	709.984	695.708	687.842	685.512	679.685
9.5	708.527	693.960	685.512	682.598	676.771
10.0	707.070	692.212	683.181	679.976	674.149
10.5	705.322	690.464	680.850	677.063	670.653
11.0	703.574	688.425	678.228	674.149	667.449
11.5	701.535	686.386	675.606	670.945	664.244
12.0	699.496	684.055	672.693	667.740	660.748
12.5	697.748	681.724	669.779	664.244	656.961
13.0	695.417	679.393	666.866	660.748	653.465
13.5	693.086	676.771	663.661	656.961	649.677
14.0	691.047	674.149	660.748	653.465	645.890
14.5	688.425	671.527	657.252	649.677	641.811
15.0	686.094	668.905	654.047	645.599	638.024
15.5	683.472	665.992	650.260	641.520	633.654
16.0	681.433	663.370	646.764	637.441	629.284
16.5	679.393	660.457	642.977	633.071	624.914
17.0	676.771	657.543	639.189	628.701	620.544
17.5	672.984	654.630	635.402	624.331	615.882
18.0	669.488	652.008	631.615	619.670	610.930
18.5	665.992	648.512	627.536	615.008	605.977
19.0	663.079	644.725	623.457	610.056	601.024
19.5	659.874	640.937	619.378	605.103	595.780
20.0	656.669	637.150	615.008	600.442	590.245
20.5	653.173	633.363	610.930	595.489	585.001
21.0	649.677	629.866	606.560	590.245	579.466
21.5	646.181	626.079	602.190	585.292	574.221
22.0	642.394	622.000	597.528	580.048	568.686
22.5	638.898	618.213	593.158	574.513	563.442
23.0	634.819	614.134	589.080	569.269	558.198
23.5	631.032	609.764	584.418	564.025	552.663
24.0	626.953	605.686	579.174	558.781	547.419
24.5	622.874	601.316	574.221	553.537	541.883
25.0	618.796	597.237	568.977	548.001	536.348
25.5	614.717	592.576	564.025	542.757	530.813
26.0	610.347	588.206	558.781	537.222	525.569
26.5	606.268	583.544	553.828	531.978	520.324

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2-4-L4-830-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	601.607	579.174	548.584	526.734	514.789
27.5	597.237	574.221	543.631	521.490	508.962
28.0	592.867	569.560	538.387	516.246	503.718
28.5	588.497	564.899	533.143	510.710	498.474
29.0	583.836	559.946	528.191	505.175	493.230
29.5	578.883	554.993	522.947	499.640	487.986
30.0	574.221	550.041	517.702	494.396	482.451
30.5	569.269	545.379	512.750	489.152	476.916
31.0	564.316	540.427	507.506	483.616	471.380
31.5	559.072	535.183	501.970	478.081	466.136
32.0	554.119	530.230	496.726	472.546	460.601
32.5	548.875	524.986	491.482	467.010	455.065
33.0	543.923	519.742	485.947	461.475	449.530
33.5	538.679	514.498	480.703	456.231	443.995
34.0	533.435	509.254	475.459	450.695	438.459
34.5	528.482	503.718	469.632	445.160	432.924
35.0	523.238	498.474	464.388	439.333	427.389
35.5	517.994	492.939	458.853	433.798	422.145
36.0	512.458	487.695	453.609	428.554	416.609
36.5	507.214	482.160	448.073	423.019	411.365
37.0	501.970	476.624	442.538	417.192	405.830
37.5	496.435	471.089	437.003	411.948	400.877
38.0	491.191	465.553	431.467	406.412	395.342
38.5	485.656	460.018	426.223	401.168	390.098
39.0	480.120	454.483	420.397	395.633	384.854
39.5	474.585	448.947	414.861	390.389	379.610
40.0	468.758	443.412	409.326	384.854	374.366
40.5	462.931	437.877	403.790	379.901	369.413
41.0	457.396	432.341	398.255	374.657	363.878
41.5	451.569	426.515	392.720	369.413	358.634
42.0	445.743	420.979	387.476	363.878	353.681
42.5	440.207	415.153	381.940	358.634	348.437
43.0	434.381	409.617	376.696	353.681	343.484
43.5	428.554	403.790	370.870	348.728	338.531
44.0	422.727	398.255	365.626	343.484	333.579
44.5	416.901	392.720	360.090	338.240	328.626
45.0	411.365	386.893	354.846	333.287	323.673
45.5	405.538	381.358	349.602	328.335	318.721
46.0	399.712	375.822	344.358	323.382	314.059
46.5	394.176	369.996	338.823	318.429	309.107
47.0	388.350	364.460	333.579	313.477	304.445
47.5	382.814	358.925	328.626	308.233	299.784
48.0	376.988	353.389	323.382	303.571	294.831
48.5	371.161	347.854	318.429	298.618	290.345
49.0	365.626	342.027	312.894	293.957	285.654
49.5	359.799	336.492	307.941	288.975	280.964
50.0	354.263	331.248	302.697	284.110	276.273
50.5	348.437	325.713	297.744	279.507	271.816
51.0	342.901	320.177	292.500	274.991	267.387
51.5	337.075	314.642	287.577	270.388	262.551
52.0	331.539	309.398	282.449	265.639	258.006
52.5	325.713	303.863	277.380	260.891	253.636
53.0	320.177	298.618	272.369	256.200	248.975
53.5	314.351	293.374	267.591	251.801	244.751
54.0	308.815	287.868	262.755	247.460	240.293
54.5	303.280	282.479	257.832	243.003	235.923

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2-4-L4-830-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	297.453	277.205	252.937	238.400	231.553
55.5	291.918	271.990	248.188	233.738	227.096
56.0	286.353	266.805	243.556	229.252	222.871
56.5	280.905	261.677	238.837	225.027	218.676
57.0	275.428	256.491	234.175	220.861	214.656
57.5	270.068	251.422	229.659	216.462	210.490
58.0	264.736	246.440	225.056	211.975	206.207
58.5	259.580	241.459	220.366	207.576	202.041
59.0	254.306	236.622	215.705	203.323	198.137
59.5	249.121	231.786	211.160	199.157	194.117
60.0	243.906	227.008	206.790	195.107	189.980
60.5	238.837	222.230	202.478	191.028	185.930
61.0	233.796	217.423	198.108	186.862	182.026
61.5	228.727	212.616	193.563	182.667	178.006
62.0	223.658	207.955	189.135	178.530	173.985
62.5	218.618	203.352	184.940	174.539	170.081
63.0	213.549	198.661	180.919	170.635	166.265
63.5	208.450	194.000	176.899	166.964	162.448
64.0	203.381	189.310	172.762	163.293	158.632
64.5	198.312	184.648	168.479	159.331	154.903
65.0	193.213	180.045	164.284	155.194	151.232
65.5	188.144	175.413	160.322	151.465	147.619
66.0	183.104	170.781	156.447	148.115	144.153
66.5	178.035	166.178	152.514	144.677	140.627
67.0	172.995	161.633	148.406	140.948	137.015
67.5	167.984	157.117	144.269	136.927	133.344
68.0	162.973	152.543	140.132	132.791	129.586
68.5	158.020	147.998	136.024	128.945	125.857
69.0	153.126	143.453	132.120	125.361	122.244
69.5	148.231	139.025	128.275	121.807	118.603
70.0	143.366	134.597	124.196	117.903	114.757
70.5	138.588	130.139	120.030	113.708	110.940
71.0	133.781	125.682	115.922	109.688	107.182
71.5	129.061	121.283	111.902	106.075	103.540
72.0	124.371	117.029	108.056	102.725	100.015
72.5	119.739	112.834	104.356	99.258	96.636
73.0	115.194	108.668	100.598	95.558	93.198
73.5	110.678	104.473	96.723	91.858	89.644
74.0	106.250	100.336	92.848	88.304	86.264
74.5	101.880	96.286	89.178	84.953	83.089
75.0	97.597	92.353	85.653	81.661	79.826
75.5	93.373	88.449	82.186	78.340	76.475
76.0	89.207	84.575	78.631	75.048	73.300
76.5	85.099	80.671	75.106	71.668	70.183
77.0	81.020	76.854	71.552	68.347	66.949
77.5	77.029	73.096	68.172	65.084	63.657
78.0	73.038	69.367	64.880	61.909	60.539
78.5	69.105	65.696	61.588	58.762	57.568
79.0	65.288	62.113	58.296	55.674	54.625
79.5	61.501	58.587	55.062	52.644	51.712
80.0	57.801	55.121	51.916	49.614	48.769
80.5	54.130	51.712	48.799	46.614	45.769
81.0	50.576	48.362	45.652	43.671	42.826
81.5	47.109	45.099	42.622	40.816	40.029
82.0	43.700	41.952	39.738	38.077	37.349
82.5	40.379	38.864	36.883	35.426	34.756

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2-4-L4-830-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	37.116	35.805	34.086	32.746	32.222
83.5	33.911	32.775	31.260	30.095	29.687
84.0	30.794	29.862	28.434	27.473	27.094
84.5	27.764	27.007	25.696	24.909	24.589
85.0	24.793	24.210	23.132	22.433	22.287
85.5	21.879	21.442	20.627	20.102	20.131
86.0	19.053	18.704	18.179	17.946	17.946
86.5	16.315	16.082	15.732	15.674	15.732
87.0	13.634	13.547	13.343	13.343	13.431
87.5	11.071	10.983	11.012	11.158	11.216
88.0	8.594	8.653	8.915	9.119	9.206
88.5	6.293	6.497	6.992	7.050	7.109
89.0	4.253	4.574	4.865	4.399	4.370
89.5	2.942	3.030	2.272	2.156	2.389
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2-4-L4-830-DMA-DIM-UNV_.IES

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2-4-L4-830-DMA-DIM-UNV_.IES

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-L4-830-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-L4-830-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	251.59	N.A.	15.70
0-30	515.09	N.A.	32.10
0-40	808.44	N.A.	50.40
0-60	1318.14	N.A.	82.20
0-80	1577.3	N.A.	98.30
0-90	1603.84	N.A.	100.00
10-90	1537.18	N.A.	95.80
20-40	556.84	N.A.	34.70
20-50	835.21	N.A.	52.10
40-70	676.24	N.A.	42.20
60-80	259.16	N.A.	16.20
70-80	92.62	N.A.	5.80
80-90	26.55	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	1603.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.66
10-20	184.93
20-30	263.49
30-40	293.35
40-50	278.37
50-60	231.33
60-70	166.54
70-80	92.62
80-90	26.55
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-L4-830-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	59	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-L4-830-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

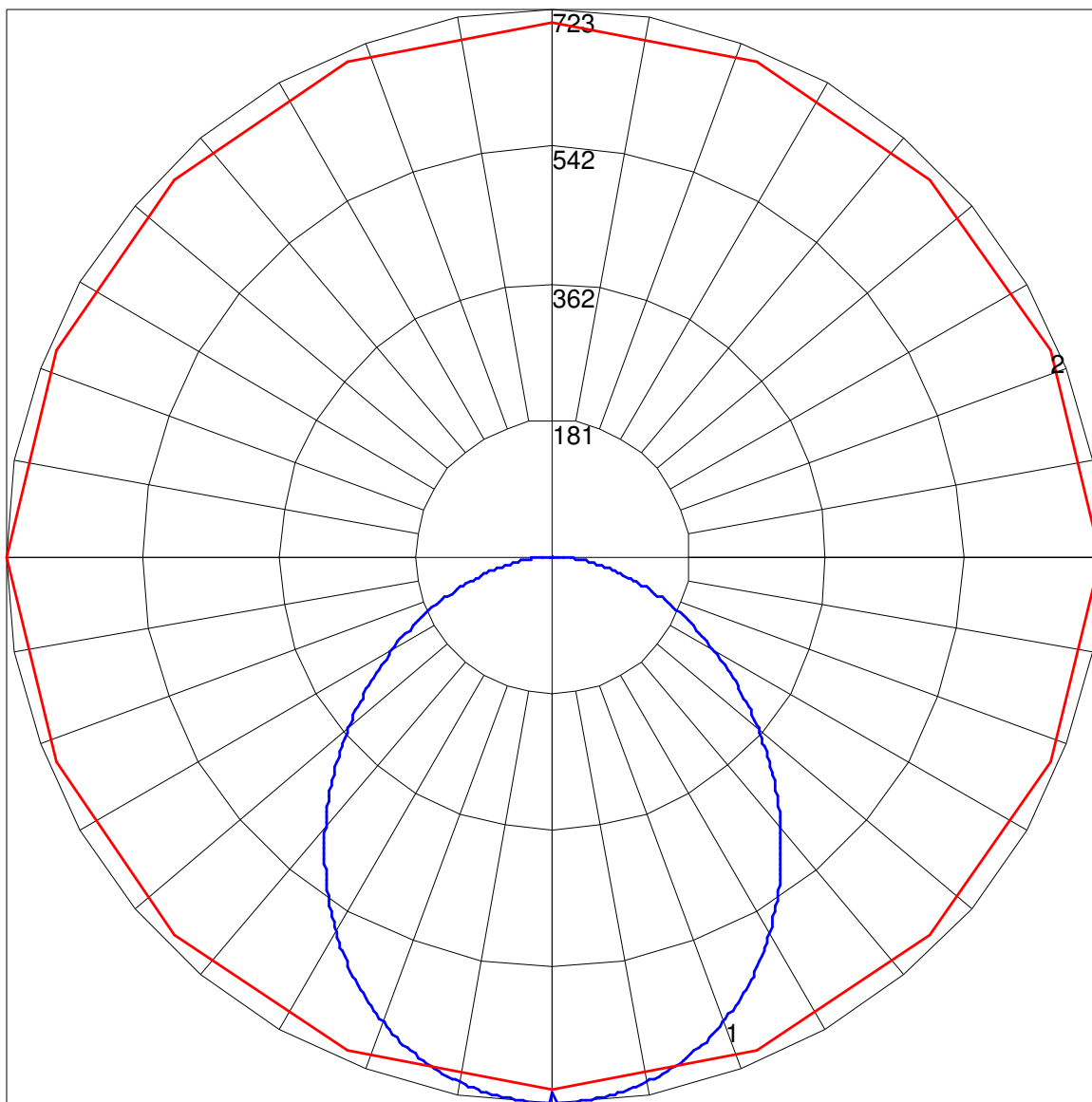
Reflectances

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	21.4	22.8	21.8	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	23.7
	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	25.2	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 = 25.2

POLAR GRAPH



Maximum Candela = 723.094 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.)