

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-2-L12-930-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155383.02

[TESTLAB] UL, LLC

[ISSUE DATE] 2026-05-13

[TEST DATE] 3/19/2026

[MANUFAC] H E Williams Inc

[LUMCAT] LRX4x-2-L12-930-DMA-DIM-UNV_

[LUMINAIRE] Nominal 4" x 2' suspended linear fixture (CRS construction

[MORE]) with diffused acrylic shielding

[OTHER] This test was performed using the calibrated photodetector method

[MORE] of absolute photometry.

[OTHER] The reported results were measured in a facility that meets the

[MORE] requirements of ANSI/IES LM-75-19. The device under test emits no

[MORE] detectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1976
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	19.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9641	8547	7567
55	8439	7294	6195
65	7180	6000	4984
75	5765	4505	3669
85	3733	2314	1771

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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	915.382	915.382	915.382	915.382	915.382
0.5	919.857	913.393	915.630	914.884	914.387
1.0	919.608	913.144	915.382	914.636	914.139
1.5	919.359	912.647	915.133	914.139	913.641
2.0	918.862	912.398	914.387	913.144	913.393
2.5	918.614	911.901	913.890	912.647	912.398
3.0	917.868	911.155	913.144	911.404	911.155
3.5	917.371	910.409	912.150	910.409	909.912
4.0	916.127	909.415	911.155	909.166	908.421
4.5	915.630	908.421	909.912	907.675	906.680
5.0	914.387	907.426	908.421	906.183	905.189
5.5	913.890	905.934	906.929	904.194	902.951
6.0	911.653	904.691	905.189	902.205	900.962
6.5	910.409	903.448	903.200	899.968	898.476
7.0	908.918	901.708	901.459	897.730	896.239
7.5	907.426	899.968	899.222	895.244	893.504
8.0	905.686	897.979	897.233	892.510	890.521
8.5	903.946	896.239	894.996	889.526	887.537
9.0	901.957	894.250	892.261	886.543	884.554
9.5	899.719	891.764	889.775	883.311	881.073
10.0	897.979	889.526	886.792	880.328	877.842
10.5	895.244	887.040	884.057	877.096	874.361
11.0	892.758	884.554	880.825	873.367	870.880
11.5	890.272	881.819	877.593	869.637	866.654
12.0	887.537	879.085	874.361	865.660	862.676
12.5	884.305	875.853	870.880	861.682	858.201
13.0	881.571	872.869	867.151	857.456	853.975
13.5	878.836	869.637	863.422	853.229	849.749
14.0	875.355	866.406	859.693	848.506	844.776
14.5	872.372	862.676	855.467	844.031	840.053
15.0	868.892	859.196	851.240	839.307	835.081
15.5	865.411	855.467	847.014	834.335	830.108
16.0	861.682	851.738	842.539	829.363	824.639
16.5	858.201	848.008	838.064	824.142	819.418
17.0	854.224	843.782	833.340	818.921	813.700
17.5	850.494	839.556	828.865	813.452	807.982
18.0	846.268	835.578	823.893	807.982	802.264
18.5	842.539	831.103	818.921	802.264	796.049
19.0	838.064	826.628	813.700	796.298	789.834
19.5	833.838	822.153	808.479	790.579	783.618
20.0	829.363	817.429	803.010	784.613	777.403
20.5	824.888	812.706	797.541	778.398	770.939
21.0	820.164	807.982	792.071	772.182	764.227
21.5	815.689	802.761	786.353	765.718	757.763
22.0	810.717	797.789	780.386	759.255	751.299
22.5	805.745	792.568	774.420	752.791	744.338
23.0	801.021	787.596	768.702	745.830	737.377
23.5	796.049	782.127	762.487	739.117	730.416
24.0	790.828	776.657	756.271	732.405	723.206
24.5	785.607	771.188	749.807	725.444	716.245
25.0	780.138	765.718	743.592	718.483	709.035
25.5	774.420	759.752	737.128	711.273	701.329
26.0	768.950	754.034	730.167	704.063	693.870
26.5	763.481	748.067	723.703	696.854	686.163

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CANDELA TABULATION - (Cont.)

27.0	757.514	742.101	716.742	689.395	678.705
27.5	751.299	735.885	710.030	681.937	671.247
28.0	745.581	729.919	703.069	674.230	663.291
28.5	739.614	723.703	696.356	666.772	655.584
29.0	733.648	717.488	689.395	659.065	648.126
29.5	726.687	711.024	682.186	651.358	640.170
30.0	719.974	704.312	674.976	643.651	632.464
30.5	713.759	697.848	668.015	636.193	624.508
31.0	707.295	691.384	660.805	628.486	616.553
31.5	701.080	684.672	653.595	620.530	608.597
32.0	694.119	677.959	646.137	612.823	600.890
32.5	687.655	670.998	638.927	604.868	592.686
33.0	680.943	664.286	631.221	597.161	584.979
33.5	674.230	657.325	624.259	589.205	576.526
34.0	667.766	650.363	616.553	581.499	568.819
34.5	661.054	643.651	609.094	573.792	561.113
35.0	654.341	636.441	601.387	565.836	553.157
35.5	647.380	629.232	593.929	558.378	544.953
36.0	640.916	622.271	586.471	550.422	537.495
36.5	633.955	615.061	578.764	542.715	529.539
37.0	626.746	607.851	571.554	535.009	522.081
37.5	619.784	600.642	564.096	527.053	514.125
38.0	612.823	593.183	556.389	519.346	506.170
38.5	605.614	586.222	548.931	511.639	498.463
39.0	598.155	578.764	541.472	503.932	490.756
39.5	591.194	571.554	533.765	496.225	483.049
40.0	583.985	564.096	526.307	489.016	475.591
40.5	576.278	556.886	518.600	481.309	467.635
41.0	569.068	549.428	511.142	473.602	459.431
41.5	561.858	542.218	503.684	465.895	451.724
42.0	554.151	534.760	496.225	457.939	443.769
42.5	546.196	527.053	488.767	450.481	436.062
43.0	538.738	519.595	481.309	442.277	428.355
43.5	531.528	512.385	473.850	434.570	421.145
44.0	523.572	504.927	466.392	427.360	413.687
44.5	516.114	497.468	458.188	419.902	406.229
45.0	508.407	490.259	450.730	412.692	399.019
45.5	500.700	482.552	443.023	405.483	391.561
46.0	493.242	475.342	435.813	398.273	384.351
46.5	485.784	467.884	428.603	391.312	377.390
47.0	478.077	460.426	421.394	384.102	370.180
47.5	470.370	452.470	414.433	377.141	363.219
48.0	462.912	444.763	407.472	370.180	356.009
48.5	455.205	437.553	400.262	363.219	349.048
49.0	447.001	430.095	393.301	356.258	342.336
49.5	439.791	423.134	386.588	349.297	335.623
50.0	432.333	415.924	379.627	342.584	328.911
50.5	425.372	408.715	372.666	335.872	322.198
51.0	417.913	401.754	365.705	328.911	315.486
51.5	410.704	394.544	358.993	322.447	309.022
52.0	403.742	387.334	352.032	315.735	302.558
52.5	396.533	380.373	345.319	309.271	296.343
53.0	389.323	373.412	338.607	302.807	290.128
53.5	382.113	366.451	332.143	296.343	283.664
54.0	375.152	359.490	325.182	290.128	277.449
54.5	367.943	352.777	318.718	283.664	271.233

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CANDELA TABULATION - (Cont.)

55.0	360.982	345.816	312.005	277.697	265.018
55.5	353.772	339.104	305.542	271.233	259.052
56.0	346.562	332.143	299.078	265.267	253.085
56.5	339.601	325.430	292.614	259.300	247.491
57.0	332.391	318.718	285.901	253.333	241.599
57.5	325.430	312.254	279.686	247.367	235.856
58.0	318.469	305.542	273.222	241.500	230.213
58.5	311.508	298.829	266.758	235.707	224.569
59.0	304.547	292.365	260.543	230.014	218.976
59.5	297.586	285.901	254.328	224.321	213.531
60.0	290.874	279.438	248.063	218.603	208.111
60.5	284.161	272.974	241.997	213.034	202.692
61.0	277.449	266.758	235.806	207.515	197.371
61.5	270.985	260.295	229.790	201.946	192.126
62.0	264.272	253.831	223.724	196.626	187.054
62.5	257.808	247.690	217.857	191.280	181.883
63.0	251.345	241.549	212.015	185.960	176.811
63.5	245.005	235.409	206.172	180.590	171.690
64.0	238.840	229.318	200.479	175.419	166.768
64.5	232.475	223.227	194.736	170.273	161.870
65.0	226.310	217.260	189.093	165.127	157.097
65.5	220.194	211.219	183.400	160.080	152.224
66.0	214.103	205.227	177.905	155.157	147.451
66.5	208.062	199.311	172.386	150.160	142.627
67.0	201.946	193.443	166.942	145.213	138.003
67.5	195.830	187.576	161.572	140.440	133.379
68.0	189.963	181.808	156.152	135.642	128.705
68.5	183.971	176.090	150.856	130.918	124.206
69.0	178.030	170.372	145.611	126.219	119.731
69.5	172.262	164.679	140.489	121.570	115.380
70.0	166.419	159.011	135.269	117.021	110.979
70.5	160.652	153.442	130.147	112.496	106.728
71.0	154.884	147.923	125.175	108.096	102.427
71.5	149.241	142.354	120.203	103.720	98.275
72.0	143.622	136.934	115.280	99.369	94.124
72.5	138.028	131.564	110.383	95.118	90.096
73.0	132.584	126.269	105.585	90.842	86.143
73.5	127.139	120.899	100.861	86.765	82.190
74.0	121.794	115.628	96.187	82.663	78.262
74.5	116.499	110.457	91.563	78.685	74.533
75.0	111.278	105.361	86.964	74.682	70.829
75.5	106.156	100.364	82.514	70.879	67.150
76.0	101.159	95.416	78.163	67.075	63.594
76.5	96.137	90.469	73.812	63.420	60.114
77.0	91.389	85.646	69.636	59.766	56.658
77.5	86.566	80.898	65.484	56.236	53.277
78.0	81.768	76.224	61.382	52.780	50.070
78.5	77.019	71.600	57.454	49.424	46.813
79.0	72.495	67.150	53.600	46.117	43.681
79.5	68.045	62.625	49.846	42.811	40.623
80.0	63.619	58.299	46.117	39.703	37.664
80.5	59.219	53.998	42.487	36.620	34.731
81.0	54.968	49.821	39.007	33.687	31.946
81.5	50.766	45.769	35.601	30.778	29.187
82.0	46.714	41.667	32.369	27.944	26.452
82.5	42.761	37.789	29.187	25.184	23.842

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CANDELA TABULATION - (Cont.)

83.0	38.858	33.960	26.104	22.499	21.182
83.5	35.004	30.306	23.195	19.864	18.646
84.0	31.325	26.726	20.361	17.278	16.185
84.5	27.695	23.344	17.651	14.817	13.823
85.0	24.264	20.088	15.041	12.505	11.511
85.5	20.933	16.955	12.555	10.143	9.025
86.0	17.800	13.972	10.317	7.707	6.290
86.5	14.693	11.287	8.154	4.873	3.878
87.0	11.834	8.751	5.817	3.083	2.760
87.5	9.174	6.514	3.356	2.362	2.163
88.0	6.712	4.450	2.113	1.815	1.691
88.5	4.624	2.486	1.566	1.318	1.168
89.0	2.909	1.243	1.044	0.845	0.746
89.5	1.442	0.671	0.572	0.423	0.373
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 : LRX4X-2-L12-930-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 : LRX4X-2-L12-930-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	325.15	N.A.	16.50
0-30	666.50	N.A.	33.70
0-40	1042.52	N.A.	52.80
0-60	1670.69	N.A.	84.50
0-80	1955.73	N.A.	99.00
0-90	1976.2	N.A.	100.00
10-90	1890.23	N.A.	95.60
20-40	717.37	N.A.	36.30
20-50	1066.07	N.A.	53.90
40-70	817.58	N.A.	41.40
60-80	285.05	N.A.	14.40
70-80	95.64	N.A.	4.80
80-90	20.47	N.A.	1.00
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	1976.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.97
10-20	239.18
20-30	341.35
30-40	376.02
40-50	348.70
50-60	279.47
60-70	189.41
70-80	95.64
80-90	20.47
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 : LRX4X-2-L12-930-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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	54	50	48
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX4X-2-L12-930-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

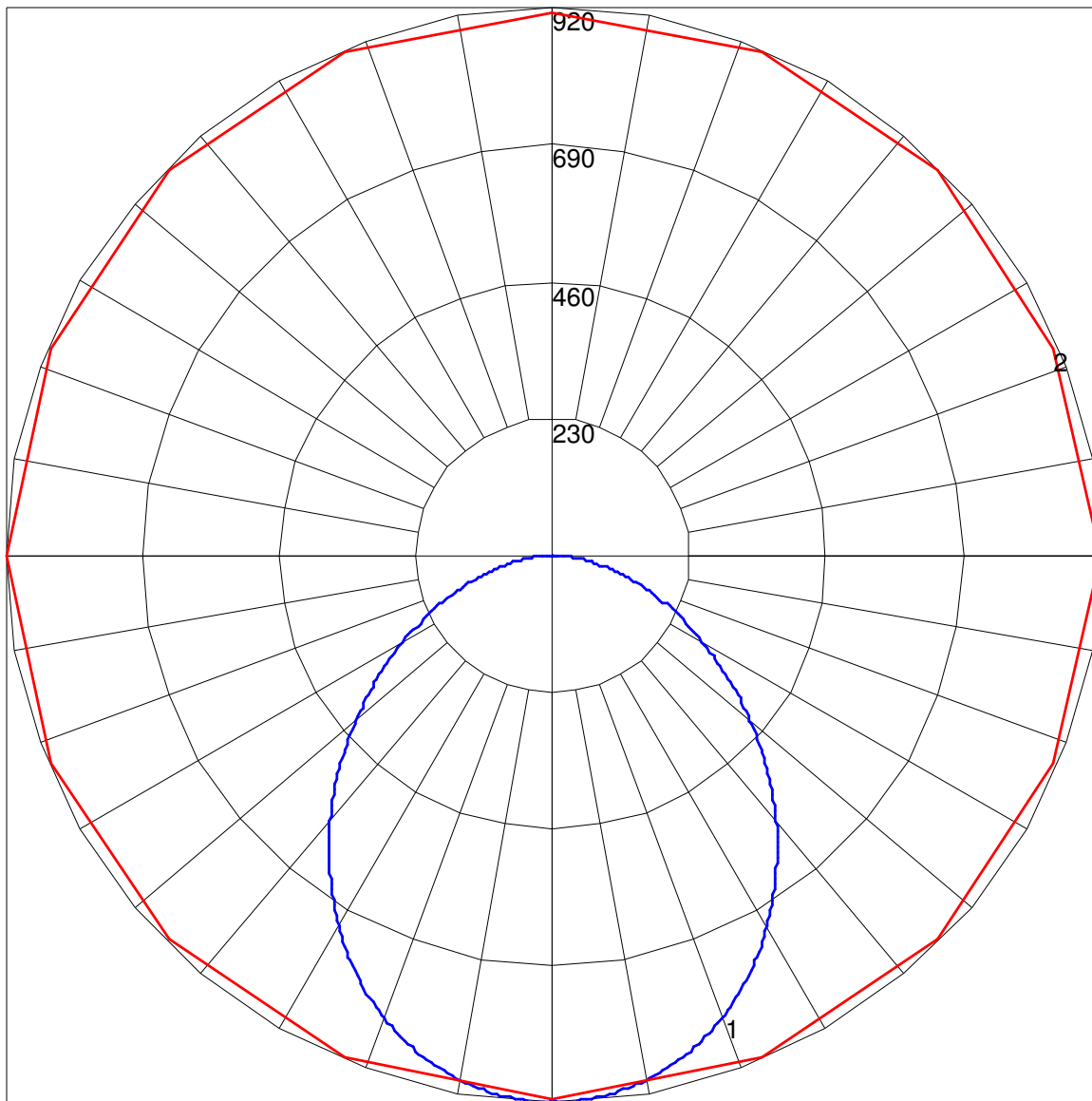
Reflectances

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	19.3	20.9	19.7	21.2	21.5	17.6	19.1	18.0	19.5	19.8
	3H	20.9	22.3	21.3	22.6	23.0	18.9	20.3	19.3	20.7	21.0
	4H	21.5	22.8	21.9	23.1	23.5	19.4	20.7	19.8	21.0	21.4
	6H	21.9	23.0	22.3	23.4	23.8	19.6	20.8	20.0	21.2	21.6
	8H	21.9	23.1	22.4	23.5	23.9	19.7	20.8	20.1	21.2	21.6
	12H	22.0	23.1	22.4	23.5	23.9	19.7	20.8	20.1	21.2	21.6
4H	2H	19.7	21.0	20.1	21.4	21.7	18.3	19.6	18.7	19.9	20.3
	3H	21.5	22.6	21.9	23.0	23.4	19.8	20.9	20.2	21.3	21.7
	4H	22.2	23.2	22.6	23.6	24.0	20.3	21.3	20.8	21.7	22.2
	6H	22.7	23.5	23.1	24.0	24.4	20.7	21.5	21.1	22.0	22.4
	8H	22.8	23.6	23.3	24.1	24.5	20.8	21.6	21.2	22.0	22.5
	12H	22.9	23.6	23.4	24.1	24.6	20.8	21.5	21.3	22.0	22.5
8H	4H	22.3	23.1	22.8	23.6	24.0	20.6	21.4	21.1	21.9	22.3
	6H	22.9	23.6	23.4	24.0	24.5	21.1	21.7	21.6	22.2	22.7
	8H	23.1	23.7	23.6	24.2	24.7	21.2	21.8	21.7	22.3	22.8
	12H	23.2	23.8	23.8	24.3	24.8	21.3	21.8	21.8	22.3	22.8
12H	4H	22.3	23.0	22.8	23.5	24.0	20.7	21.4	21.2	21.9	22.3
	6H	22.9	23.5	23.4	24.0	24.5	21.1	21.7	21.6	22.2	22.7
	8H	23.1	23.7	23.6	24.1	24.7	21.3	21.8	21.8	22.3	22.8

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 919.857 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.)