



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L4-835-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-L4-835-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	1620
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
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	9460	8160	7443
55	8433	7171	6565
65	7434	6321	5819
75	6132	5381	5015
85	4626	4316	4158

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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	717.744	717.744	717.744	717.744	717.744
0.5	730.398	718.332	714.212	715.978	712.447
1.0	730.398	718.038	714.212	715.978	712.153
1.5	730.103	718.038	713.918	715.684	711.858
2.0	729.809	717.450	713.330	715.390	710.975
2.5	729.515	716.861	713.035	714.507	710.387
3.0	728.926	716.272	712.153	713.918	709.210
3.5	728.338	715.684	711.270	712.741	708.033
4.0	727.749	715.095	710.387	711.858	707.150
4.5	727.161	714.212	709.504	710.681	705.678
5.0	726.572	713.330	708.033	709.210	704.207
5.5	725.395	712.153	706.856	707.444	702.147
6.0	724.512	710.975	705.384	705.973	700.381
6.5	723.629	710.093	703.913	703.913	698.321
7.0	722.452	708.621	702.441	701.853	696.262
7.5	721.275	707.444	700.676	699.793	693.907
8.0	720.098	705.678	698.910	697.439	691.847
8.5	718.627	704.207	696.850	695.084	689.199
9.0	717.155	702.736	694.790	692.436	686.550
9.5	715.684	700.970	692.436	689.493	683.608
10.0	714.212	699.204	690.082	686.845	680.959
10.5	712.447	697.439	687.727	683.902	677.428
11.0	710.681	695.379	685.079	680.959	674.191
11.5	708.621	693.319	682.430	677.722	670.954
12.0	706.561	690.965	679.488	674.485	667.422
12.5	704.796	688.610	676.545	670.954	663.597
13.0	702.441	686.256	673.602	667.422	660.065
13.5	700.087	683.608	670.365	663.597	656.240
14.0	698.027	680.959	667.422	660.065	652.414
14.5	695.379	678.311	663.891	656.240	648.294
15.0	693.024	675.662	660.654	652.120	644.469
15.5	690.376	672.719	656.828	648.000	640.054
16.0	688.316	670.071	653.297	643.880	635.640
16.5	686.256	667.128	649.471	639.466	631.226
17.0	683.608	664.185	645.646	635.052	626.812
17.5	679.782	661.242	641.820	630.638	622.103
18.0	676.251	658.594	637.995	625.929	617.101
18.5	672.719	655.063	633.875	621.221	612.098
19.0	669.777	651.237	629.755	616.218	607.095
19.5	666.539	647.411	625.635	611.215	601.798
20.0	663.302	643.586	621.221	606.507	596.207
20.5	659.771	639.760	617.101	601.504	590.910
21.0	656.240	636.229	612.687	596.207	585.319
21.5	652.708	632.403	608.272	591.204	580.022
22.0	648.883	628.283	603.564	585.907	574.430
22.5	645.351	624.458	599.150	580.316	569.133
23.0	641.232	620.338	595.030	575.019	563.836
23.5	637.406	615.924	590.321	569.722	558.245
24.0	633.286	611.804	585.024	564.425	552.948
24.5	629.166	607.390	580.022	559.128	547.357
25.0	625.046	603.270	574.725	553.537	541.766
25.5	620.926	598.561	569.722	548.240	536.174
26.0	616.512	594.147	564.425	542.648	530.877
26.5	612.392	589.439	559.422	537.351	525.580

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**CANDELA TABULATION - (Cont.)**

27.0	607.684	585.024	554.125	532.054	519.989
27.5	603.270	580.022	549.123	526.757	514.104
28.0	598.856	575.313	543.826	521.460	508.807
28.5	594.441	570.605	538.529	515.869	503.509
29.0	589.733	565.602	533.526	510.278	498.212
29.5	584.730	560.599	528.229	504.687	492.915
30.0	580.022	555.597	522.932	499.390	487.324
30.5	575.019	550.888	517.929	494.093	481.733
31.0	570.016	545.886	512.632	488.501	476.142
31.5	564.719	540.589	507.041	482.910	470.845
32.0	559.717	535.586	501.744	477.319	465.253
32.5	554.420	530.289	496.447	471.727	459.662
33.0	549.417	524.992	490.856	466.136	454.071
33.5	544.120	519.695	485.559	460.839	448.480
34.0	538.823	514.398	480.262	455.248	442.888
34.5	533.820	508.807	474.376	449.657	437.297
35.0	528.523	503.509	469.079	443.771	431.706
35.5	523.226	497.918	463.488	438.180	426.409
36.0	517.635	492.621	458.191	432.883	420.817
36.5	512.338	487.030	452.599	427.292	415.520
37.0	507.041	481.439	447.008	421.406	409.929
37.5	501.450	475.847	441.417	416.109	404.926
38.0	496.153	470.256	435.826	410.518	399.335
38.5	490.561	464.665	430.529	405.221	394.038
39.0	484.970	459.074	424.643	399.629	388.741
39.5	479.379	453.482	419.052	394.332	383.444
40.0	473.493	447.891	413.460	388.741	378.147
40.5	467.608	442.300	407.869	383.738	373.144
41.0	462.016	436.708	402.278	378.441	367.553
41.5	456.131	430.823	396.687	373.144	362.256
42.0	450.245	425.232	391.390	367.553	357.253
42.5	444.654	419.346	385.798	362.256	351.956
43.0	438.768	413.755	380.501	357.253	346.954
43.5	432.883	407.869	374.616	352.251	341.951
44.0	426.997	402.278	369.319	346.954	336.948
44.5	421.112	396.687	363.727	341.657	331.945
45.0	415.520	390.801	358.430	336.654	326.943
45.5	409.635	385.210	353.133	331.651	321.940
46.0	403.749	379.618	347.836	326.648	317.232
46.5	398.158	373.733	342.245	321.646	312.229
47.0	392.272	368.142	336.948	316.643	307.520
47.5	386.681	362.550	331.945	311.346	302.812
48.0	380.796	356.959	326.648	306.638	297.809
48.5	374.910	351.368	321.646	301.635	293.277
49.0	369.319	345.482	316.054	296.926	288.539
49.5	363.433	339.891	311.052	291.894	283.802
50.0	357.842	334.594	305.755	286.980	279.064
50.5	351.956	329.003	300.752	282.330	274.561
51.0	346.365	323.411	295.455	277.769	270.088
51.5	340.480	317.820	290.482	273.119	265.203
52.0	334.888	312.523	285.302	268.323	260.613
52.5	329.003	306.932	280.182	263.526	256.198
53.0	323.411	301.635	275.120	258.788	251.490
53.5	317.526	296.338	270.294	254.344	247.223
54.0	311.935	290.776	265.409	249.960	242.720
54.5	306.343	285.332	260.436	245.457	238.306

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**CANDELA TABULATION - (Cont.)**

55.0	300.458	280.005	255.492	240.808	233.892
55.5	294.866	274.738	250.695	236.099	229.390
56.0	289.246	269.500	246.016	231.567	225.123
56.5	283.743	264.320	241.249	227.300	220.885
57.0	278.210	259.082	236.541	223.092	216.824
57.5	272.796	253.962	231.979	218.648	212.616
58.0	267.410	248.930	227.330	214.117	208.290
58.5	262.202	243.898	222.592	209.673	204.082
59.0	256.875	239.013	217.883	205.377	200.138
59.5	251.637	234.128	213.293	201.168	196.077
60.0	246.369	229.301	208.878	197.078	191.899
60.5	241.249	224.475	204.523	192.958	187.808
61.0	236.158	219.620	200.109	188.750	183.865
61.5	231.038	214.764	195.518	184.512	179.804
62.0	225.917	210.056	191.045	180.334	175.743
62.5	220.826	205.406	186.808	176.302	171.799
63.0	215.706	200.668	182.747	172.359	167.944
63.5	210.556	195.960	178.686	168.651	164.089
64.0	205.435	191.222	174.507	164.943	160.234
64.5	200.315	186.513	170.181	160.941	156.468
65.0	195.165	181.864	165.943	156.762	152.760
65.5	190.045	177.185	161.941	152.995	149.111
66.0	184.954	172.506	158.027	149.611	145.609
66.5	179.833	167.856	154.054	146.138	142.048
67.0	174.742	163.265	149.905	142.372	138.399
67.5	169.681	158.704	145.726	138.311	134.691
68.0	164.619	154.084	141.548	134.132	130.895
68.5	159.616	149.493	137.398	130.247	127.128
69.0	154.672	144.902	133.455	126.628	123.479
69.5	149.729	140.429	129.571	123.038	119.801
70.0	144.814	135.956	125.451	119.094	115.916
70.5	139.988	131.454	121.242	114.857	112.061
71.0	135.132	126.951	117.093	110.796	108.265
71.5	130.365	122.508	113.032	107.147	104.586
72.0	125.627	118.211	109.148	103.762	101.026
72.5	120.948	113.974	105.410	100.260	97.612
73.0	116.357	109.766	101.614	96.523	94.140
73.5	111.796	105.528	97.700	92.786	90.549
74.0	107.323	101.349	93.786	89.196	87.136
74.5	102.909	97.259	90.078	85.811	83.928
75.0	98.583	93.286	86.518	82.486	80.632
75.5	94.316	89.343	83.016	79.131	77.248
76.0	90.108	85.429	79.426	75.806	74.040
76.5	85.959	81.486	75.865	72.392	70.892
77.0	81.839	77.631	72.275	69.038	67.625
77.5	77.807	73.834	68.861	65.742	64.300
78.0	73.775	70.068	65.536	62.534	61.151
78.5	69.803	66.360	62.210	59.356	58.149
79.0	65.948	62.740	58.885	56.237	55.177
79.5	62.122	59.179	55.619	53.176	52.234
80.0	58.385	55.677	52.440	50.116	49.262
80.5	54.677	52.234	49.292	47.084	46.231
81.0	51.087	48.850	46.113	44.112	43.259
81.5	47.585	45.554	43.053	41.228	40.434
82.0	44.142	42.376	40.140	38.462	37.726
82.5	40.787	39.257	37.256	35.784	35.107

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

83.0	37.491	36.167	34.431	33.077	32.547
83.5	34.254	33.106	31.576	30.399	29.987
84.0	31.105	30.163	28.722	27.750	27.368
84.5	28.045	27.280	25.955	25.161	24.837
85.0	25.043	24.454	23.366	22.659	22.512
85.5	22.100	21.659	20.835	20.305	20.335
86.0	19.246	18.893	18.363	18.128	18.128
86.5	16.480	16.244	15.891	15.832	15.891
87.0	13.772	13.684	13.478	13.478	13.566
87.5	11.183	11.094	11.124	11.271	11.330
88.0	8.681	8.740	9.005	9.211	9.299
88.5	6.356	6.562	7.063	7.122	7.180
89.0	4.296	4.620	4.914	4.444	4.414
89.5	2.972	3.060	2.295	2.178	2.413
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-L4-835-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-L4-835-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	254.14	N.A.	15.70
0-30	520.29	N.A.	32.10
0-40	816.60	N.A.	50.40
0-60	1331.45	N.A.	82.20
0-80	1593.23	N.A.	98.30
0-90	1620.04	N.A.	100.00
10-90	1552.71	N.A.	95.80
20-40	562.47	N.A.	34.70
20-50	843.65	N.A.	52.10
40-70	683.07	N.A.	42.20
60-80	261.78	N.A.	16.20
70-80	93.55	N.A.	5.80
80-90	26.81	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	1620.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	67.34
10-20	186.80
20-30	266.15
30-40	296.32
40-50	281.18
50-60	233.67
60-70	168.22
70-80	93.55
80-90	26.81
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-L4-835-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**  
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**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	19.2	20.8	19.6	21.1	21.4	18.1	19.6	18.4	19.9	20.3
	3H	20.9	22.4	21.3	22.7	23.0	19.7	21.1	20.1	21.5	21.8
	4H	21.6	22.9	21.9	23.2	23.6	20.3	21.7	20.7	22.0	22.4
	6H	22.0	23.2	22.4	23.6	24.0	20.8	22.0	21.2	22.4	22.8
	8H	22.2	23.3	22.6	23.7	24.1	21.0	22.1	21.4	22.5	22.9
	12H	22.2	23.4	22.7	23.7	24.2	21.1	22.2	21.5	22.6	23.0

UGR Viewed Endwise

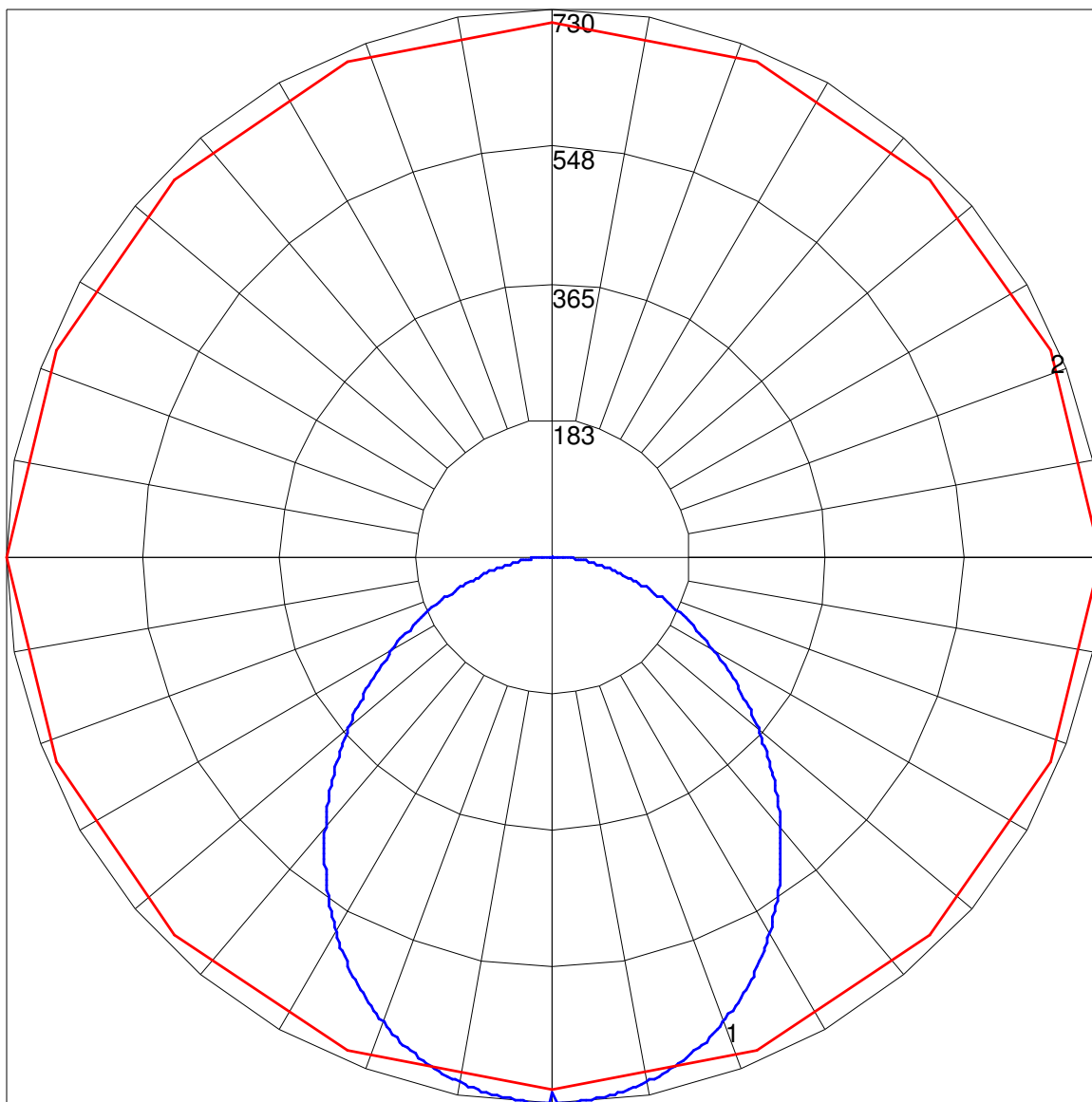
4H	2H	19.7	21.0	20.1	21.3	21.7	18.7	20.1	19.1	20.4	20.8
	3H	21.6	22.7	22.0	23.1	23.5	20.6	21.7	21.0	22.1	22.5
	4H	22.4	23.4	22.8	23.8	24.2	21.3	22.3	21.8	22.8	23.2
	6H	23.0	23.8	23.4	24.3	24.7	21.9	22.8	22.4	23.2	23.7
	8H	23.1	24.0	23.6	24.4	24.9	22.1	22.9	22.6	23.4	23.8
	12H	23.3	24.0	23.8	24.5	25.0	22.3	23.0	22.8	23.5	24.0

8H	4H	22.6	23.4	23.0	23.8	24.3	21.7	22.5	22.1	22.9	23.4
	6H	23.3	24.0	23.8	24.4	24.9	22.4	23.1	22.9	23.5	24.0
	8H	23.5	24.1	24.0	24.7	25.1	22.6	23.3	23.1	23.8	24.2
	12H	23.8	24.3	24.3	24.8	25.3	22.9	23.4	23.4	23.9	24.5

12H	4H	22.6	23.3	23.1	23.8	24.3	21.7	22.4	22.2	22.9	23.4
	6H	23.3	23.9	23.8	24.4	24.9	22.4	23.1	23.0	23.5	24.1
	8H	23.6	24.2	24.1	24.7	25.2	22.8	23.3	23.3	23.8	24.4

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 730.398 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.)