



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-2-L8-835-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.02

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 1-SEP-2021

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] LRX4-2-L8-835-DMA-DIM-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] white LEDs

[BALLAST] (1) Everline Driver

[MORE] Hz

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

[MORE] of absolute photometry.

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Commercial, Office, Direct, Linear

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1630
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	13.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.94 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9577	8099	6993
55	8300	6699	5748
65	6989	5577	4919
75	5572	4617	4312
85	4122	3900	3920

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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	728.989	728.989	728.989	728.989	728.989
0.5	739.636	729.269	725.627	728.149	725.627
1.0	739.636	728.989	725.627	728.149	725.627
1.5	739.355	728.989	725.347	728.149	725.347
2.0	739.355	728.709	725.067	727.869	725.067
2.5	738.795	728.149	724.787	727.588	724.787
3.0	738.515	727.869	724.507	727.308	724.226
3.5	737.955	727.308	723.946	726.748	723.666
4.0	737.674	726.748	723.386	726.188	723.106
4.5	736.834	725.907	722.826	725.627	722.546
5.0	735.993	725.347	721.985	725.067	721.425
5.5	735.433	724.507	721.145	723.946	720.584
6.0	734.873	723.666	720.304	723.106	719.744
6.5	733.752	722.826	719.464	721.985	718.343
7.0	732.912	721.705	718.343	720.584	717.222
7.5	732.071	720.584	717.222	719.464	716.102
8.0	730.950	719.744	715.822	718.063	714.981
8.5	729.830	718.343	714.701	716.382	713.300
9.0	728.429	717.222	713.020	714.701	711.619
9.5	727.308	715.822	711.619	713.020	709.938
10.0	725.907	714.421	709.938	711.339	707.977
10.5	724.507	712.740	708.257	709.098	705.736
11.0	723.106	711.339	706.296	707.136	703.494
11.5	721.425	709.658	704.335	704.895	700.973
12.0	719.744	707.697	702.374	702.374	698.731
12.5	718.063	706.016	700.132	700.132	695.930
13.0	716.102	704.055	698.171	697.611	693.408
13.5	714.421	702.093	695.650	694.809	690.607
14.0	712.179	699.852	693.408	692.008	687.805
14.5	710.218	697.611	690.887	688.926	685.003
15.0	707.977	695.369	688.085	686.124	681.641
15.5	705.736	693.128	685.284	683.042	678.560
16.0	703.214	690.607	682.482	679.680	675.198
16.5	700.693	688.085	679.680	676.318	671.555
17.0	698.451	685.564	676.598	672.676	667.913
17.5	695.650	682.762	673.517	669.034	663.991
18.0	693.128	679.960	670.155	665.112	659.789
18.5	690.327	677.159	666.793	661.189	655.586
19.0	687.525	674.077	663.431	656.707	651.103
19.5	684.723	670.995	659.789	652.224	646.060
20.0	681.922	667.913	655.866	647.741	641.298
20.5	678.840	664.551	652.224	642.979	636.255
21.0	675.758	661.470	648.022	637.936	630.932
21.5	672.396	658.108	644.099	632.893	625.889
22.0	669.034	654.465	639.897	627.570	620.005
22.5	665.672	650.823	635.414	622.246	614.682
23.0	662.310	647.181	631.212	616.643	608.799
23.5	658.668	643.259	626.449	611.320	602.915
24.0	655.026	639.617	621.966	605.717	597.032
24.5	651.103	635.414	616.923	600.113	590.868
25.0	647.181	631.492	612.160	594.230	584.704
25.5	642.979	627.289	607.118	588.346	578.541
26.0	639.056	622.807	602.075	582.463	572.377
26.5	634.854	618.604	597.032	576.860	565.933

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CANDELA TABULATION - (Cont.)

27.0	630.651	614.122	591.708	570.696	559.489
27.5	626.449	609.639	586.385	564.532	552.766
28.0	621.966	604.876	581.062	558.369	546.602
28.5	617.484	600.113	575.739	551.925	539.878
29.0	613.281	595.351	570.136	545.481	533.434
29.5	608.518	590.308	564.532	539.037	526.710
30.0	604.036	585.545	558.649	532.313	519.986
30.5	598.993	580.502	552.766	525.870	512.982
31.0	594.230	575.179	546.882	518.866	506.258
31.5	589.467	570.136	540.999	512.142	499.254
32.0	584.424	564.813	534.835	505.137	492.250
32.5	579.381	559.489	528.671	498.133	485.246
33.0	574.338	554.166	522.228	491.409	478.242
33.5	569.015	548.563	516.064	484.405	470.957
34.0	563.692	543.240	509.620	477.121	463.953
34.5	558.369	537.356	502.896	470.117	456.669
35.0	552.766	531.753	496.452	463.113	449.665
35.5	547.162	525.870	490.009	456.109	442.661
36.0	541.559	520.266	483.285	449.104	435.937
36.5	535.675	514.383	476.841	442.381	428.933
37.0	530.072	508.219	470.117	435.376	422.489
37.5	524.189	502.056	463.393	428.933	415.485
38.0	518.305	496.172	456.669	422.209	408.481
38.5	512.422	490.009	450.225	415.485	401.476
39.0	506.538	483.845	443.501	408.761	394.472
39.5	500.375	477.681	436.777	402.317	387.468
40.0	494.211	471.238	430.333	395.593	380.464
40.5	488.328	465.074	423.609	388.869	373.460
41.0	482.164	458.630	416.886	381.865	366.736
41.5	476.000	452.466	410.442	374.861	360.012
42.0	469.557	446.303	403.718	368.137	353.288
42.5	463.673	439.859	397.274	361.133	346.844
43.0	457.509	433.415	390.830	354.409	339.840
43.5	451.066	427.252	384.106	347.965	333.676
44.0	444.902	420.808	377.662	341.521	327.513
44.5	438.458	414.364	371.219	334.797	321.349
45.0	432.014	408.200	365.335	328.353	315.466
45.5	425.851	401.757	359.172	322.190	309.302
46.0	419.127	395.313	353.008	316.026	303.699
46.5	412.683	388.869	346.844	309.862	297.815
47.0	406.239	382.425	340.681	303.979	292.212
47.5	399.795	375.981	334.517	298.096	286.609
48.0	393.352	369.538	328.634	292.492	281.005
48.5	386.628	363.094	322.190	286.889	275.626
49.0	380.184	356.650	315.746	281.286	270.219
49.5	373.460	350.206	309.582	275.906	264.868
50.0	367.016	343.762	303.139	270.331	259.517
50.5	360.572	337.319	297.255	264.868	254.222
51.0	354.129	331.155	291.091	259.601	249.207
51.5	347.685	324.711	284.928	254.390	244.108
52.0	341.241	318.267	279.016	249.123	239.065
52.5	334.797	312.104	272.993	243.856	234.190
53.0	328.353	305.940	267.137	238.869	229.175
53.5	322.190	299.777	261.450	234.050	224.188
54.0	316.026	293.893	255.875	228.979	219.425
54.5	309.582	288.010	250.467	224.048	214.774

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CANDELA TABULATION - (Cont.)

55.0	303.699	281.846	245.144	219.173	210.348
55.5	297.535	276.103	239.905	214.298	205.837
56.0	291.372	270.303	234.666	209.563	201.411
56.5	285.208	264.588	229.539	204.941	197.124
57.0	279.268	258.844	224.412	200.458	192.866
57.5	273.329	253.185	219.369	196.059	188.719
58.0	267.333	247.638	214.550	191.745	184.629
58.5	261.534	242.147	209.703	187.430	180.594
59.0	255.623	236.571	204.717	183.172	176.588
59.5	249.851	231.164	199.814	179.025	172.694
60.0	243.996	225.897	195.051	174.907	168.771
60.5	238.280	220.770	190.344	170.845	164.933
61.0	232.453	215.755	185.637	166.866	161.123
61.5	226.766	210.908	181.071	162.916	157.313
62.0	221.190	206.061	176.420	159.022	153.586
62.5	215.699	201.271	171.825	155.155	149.888
63.0	210.124	196.536	167.343	151.345	146.274
63.5	204.661	191.745	162.972	147.619	142.800
64.0	199.253	186.702	158.685	143.977	139.326
64.5	193.790	181.435	154.511	140.391	135.964
65.0	188.439	176.224	150.365	136.861	132.630
65.5	183.116	171.041	146.218	133.359	129.324
66.0	177.821	166.054	142.128	129.856	126.074
66.5	172.666	161.011	138.093	126.410	122.880
67.0	167.539	155.968	134.115	122.964	119.658
67.5	162.468	150.981	130.221	119.574	116.493
68.0	157.425	146.106	126.326	116.156	113.187
68.5	152.382	141.287	122.432	112.738	109.965
69.0	147.367	136.692	118.538	109.320	106.771
69.5	142.352	132.294	114.728	105.930	103.549
70.0	137.393	127.923	110.945	102.624	100.383
70.5	132.518	123.581	107.219	99.375	97.301
71.0	127.727	119.350	103.549	96.181	94.276
71.5	123.020	115.036	99.935	93.015	91.250
72.0	118.370	110.693	96.349	89.877	88.308
72.5	113.775	106.323	92.847	86.823	85.338
73.0	109.264	102.120	89.373	83.797	82.425
73.5	104.838	98.002	85.983	80.828	79.567
74.0	100.439	93.883	82.705	77.914	76.737
74.5	96.181	89.821	79.455	75.028	73.992
75.0	92.006	85.843	76.233	72.171	71.190
75.5	87.804	82.004	73.011	69.341	68.416
76.0	83.769	78.278	69.845	66.539	65.699
76.5	79.791	74.608	66.735	63.794	63.037
77.0	75.897	71.022	63.738	61.076	60.376
77.5	72.114	67.464	60.768	58.386	57.742
78.0	68.332	64.018	57.826	55.725	55.136
78.5	64.634	60.628	54.940	53.063	52.559
79.0	61.020	57.266	52.111	50.458	50.009
79.5	57.406	53.988	49.365	47.852	47.488
80.0	53.904	50.794	46.675	45.303	44.994
80.5	50.486	47.684	44.014	42.781	42.529
81.0	47.152	44.602	41.408	40.316	40.120
81.5	43.874	41.605	38.803	37.850	37.682
82.0	40.624	38.663	36.253	35.385	35.273
82.5	37.430	35.749	33.732	32.975	32.919

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CANDELA TABULATION - (Cont.)

83.0	34.376	32.947	31.266	30.594	30.594
83.5	31.435	30.202	28.829	28.297	28.353
84.0	28.521	27.540	26.420	26.055	26.139
84.5	25.719	24.935	24.010	23.814	23.982
85.0	22.917	22.357	21.685	21.629	21.797
85.5	20.172	19.864	19.359	19.471	19.696
86.0	17.510	17.426	17.118	17.370	17.594
86.5	14.933	15.045	14.905	15.297	15.521
87.0	12.439	12.691	12.748	13.224	13.476
87.5	10.030	10.450	10.646	11.179	11.431
88.0	7.705	8.209	8.545	9.133	9.329
88.5	5.519	6.052	6.444	6.976	6.976
89.0	3.530	4.006	4.202	4.427	4.455
89.5	1.821	2.213	2.550	2.774	2.858
90.0	0.840	1.149	1.149	1.093	1.177
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 : LRX4-2-L8-835-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 : LRX4-2-L8-835-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	263.41	N.A.	16.20
0-30	545.25	N.A.	33.50
0-40	856.26	N.A.	52.50
0-60	1366.08	N.A.	83.80
0-80	1605.13	N.A.	98.50
0-90	1629.91	N.A.	100.00
10-90	1561.06	N.A.	95.80
20-40	592.85	N.A.	36.40
20-50	877.62	N.A.	53.80
40-70	664.67	N.A.	40.80
60-80	239.05	N.A.	14.70
70-80	84.20	N.A.	5.20
80-90	24.78	N.A.	1.50
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1629.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	68.85
10-20	194.57
20-30	281.84
30-40	311.01
40-50	284.77
50-60	225.05
60-70	154.85
70-80	84.20
80-90	24.78
90-100	0.03
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 : LRX4-2-L8-835-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	60	60	60	60	58	58	58	58	56	56	56	53	53	53	51	51	51	50
1	55	53	51	49	53	51	50	48	49	48	47	47	46	45	46	45	44	43
2	50	46	43	41	49	46	43	40	44	41	39	42	40	38	41	39	37	36
3	46	41	37	34	45	40	37	34	39	36	33	38	35	33	36	34	32	31
4	43	37	33	30	41	36	32	29	35	32	29	34	31	29	33	30	28	27
5	39	33	29	26	38	33	29	26	32	28	25	31	28	25	30	27	25	24
6	36	30	26	23	36	30	26	23	29	25	23	28	25	22	27	24	22	21
7	34	27	23	20	33	27	23	20	26	23	20	26	22	20	25	22	20	19
8	32	25	21	18	31	25	21	18	24	21	18	24	20	18	23	20	18	17
9	30	23	19	17	29	23	19	17	22	19	17	22	19	16	21	18	16	15
10	28	22	18	15	27	21	18	15	21	17	15	20	17	15	20	17	15	14

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX4-2-L8-835-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

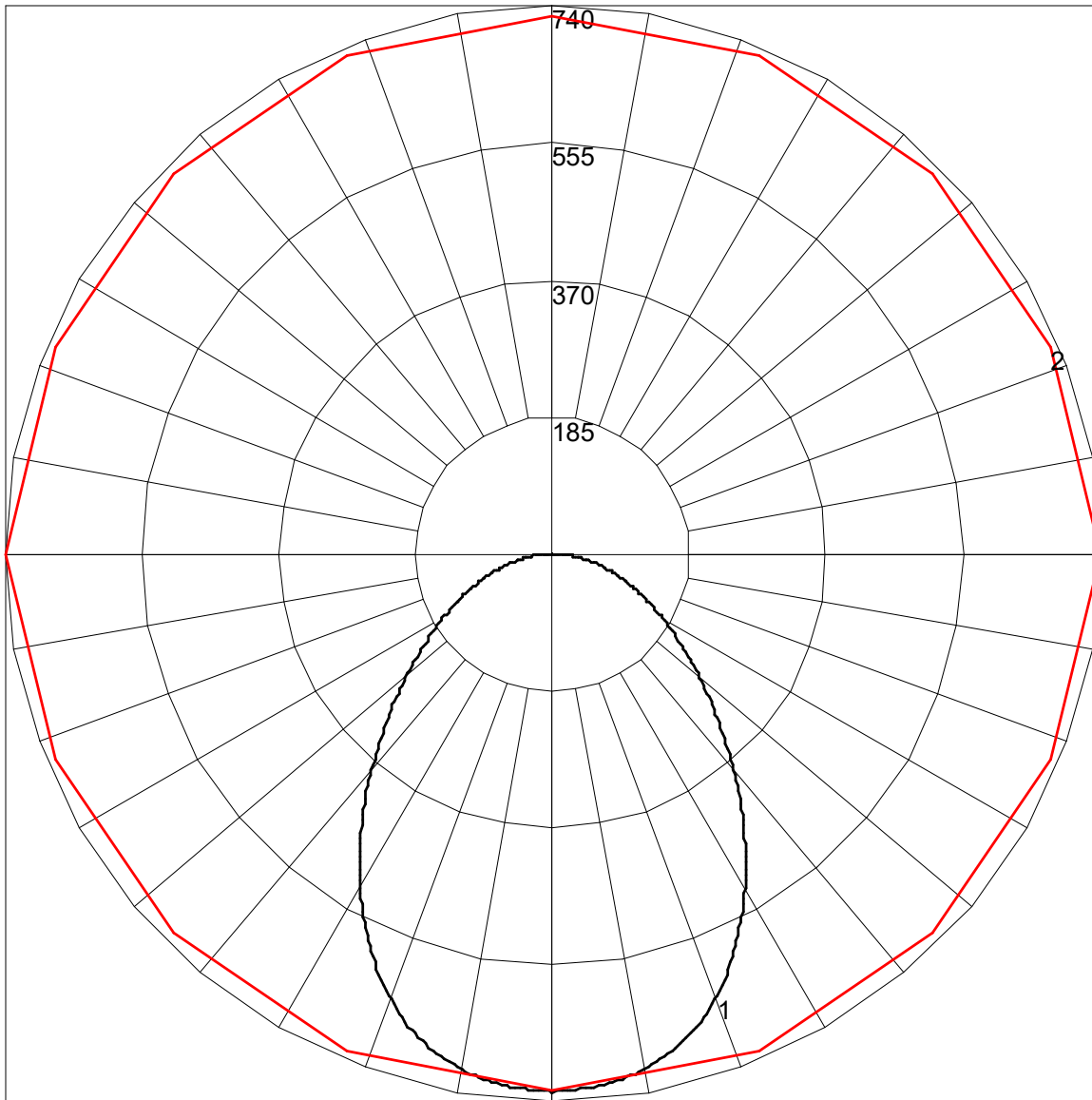
Reflectances

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	19.0	20.6	19.4	20.9	21.2	17.1	18.7	17.5	19.0	19.3
	3H	20.6	22.0	21.0	22.3	22.7	18.7	20.1	19.1	20.4	20.8
	4H	21.2	22.5	21.6	22.8	23.2	19.3	20.6	19.7	21.0	21.3
	6H	21.6	22.8	22.0	23.2	23.5	19.8	21.0	20.2	21.4	21.7
	8H	21.7	22.9	22.1	23.2	23.6	19.9	21.1	20.4	21.5	21.9
	12H	21.8	22.9	22.2	23.3	23.7	20.1	21.2	20.5	21.6	22.0
4H	2H	19.4	20.7	19.8	21.0	21.4	17.8	19.1	18.2	19.5	19.8
	3H	21.2	22.3	21.6	22.7	23.1	19.6	20.7	20.0	21.1	21.5
	4H	21.9	22.9	22.3	23.3	23.7	20.3	21.3	20.7	21.7	22.1
	6H	22.4	23.3	22.9	23.7	24.2	20.9	21.8	21.4	22.2	22.7
	8H	22.6	23.4	23.1	23.8	24.3	21.1	21.9	21.6	22.4	22.8
	12H	22.7	23.4	23.2	23.9	24.4	21.3	22.0	21.8	22.5	23.0
8H	4H	22.1	22.8	22.5	23.3	23.8	20.6	21.4	21.1	21.9	22.4
	6H	22.7	23.4	23.2	23.8	24.3	21.4	22.0	21.9	22.5	23.0
	8H	22.9	23.5	23.4	24.0	24.5	21.7	22.3	22.2	22.8	23.2
	12H	23.1	23.7	23.6	24.2	24.7	21.9	22.4	22.4	22.9	23.5
12H	4H	22.0	22.8	22.5	23.2	23.7	20.7	21.4	21.1	21.9	22.3
	6H	22.7	23.3	23.2	23.8	24.3	21.4	22.0	22.0	22.5	23.0
	8H	23.0	23.5	23.5	24.0	24.6	21.8	22.3	22.3	22.8	23.4

Maximum UGR = 24.7

POLAR GRAPH



Maximum Candela = 739.636 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)