



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-8-L15-835-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] LRX4-8-L15-835-DMA-DIM-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] white LEDs

[BALLAST] (1) Everline Driver

[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	12045
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	104.6
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)	7.94 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17278	14611	12616
55	14973	12086	10371
65	12609	10062	8875
75	10053	8329	7778
85	7436	7036	7072

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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	5386.918	5386.918	5386.918	5386.918	5386.918
0.5	5465.589	5388.988	5362.074	5380.707	5362.074
1.0	5465.589	5386.918	5362.074	5380.707	5362.074
1.5	5463.519	5386.918	5360.004	5380.707	5360.004
2.0	5463.519	5384.847	5357.934	5378.637	5357.934
2.5	5459.378	5380.707	5355.863	5376.566	5355.863
3.0	5457.308	5378.637	5353.793	5374.496	5351.723
3.5	5453.167	5374.496	5349.652	5370.355	5347.582
4.0	5451.097	5370.355	5345.512	5366.215	5343.441
4.5	5444.886	5364.144	5341.371	5362.074	5339.301
5.0	5438.675	5360.004	5335.160	5357.934	5331.020
5.5	5434.535	5353.793	5328.949	5349.652	5324.809
6.0	5430.394	5347.582	5322.738	5343.441	5318.598
6.5	5422.113	5341.371	5316.528	5335.160	5308.246
7.0	5415.902	5333.090	5308.246	5324.809	5299.965
7.5	5409.691	5324.809	5299.965	5316.528	5291.684
8.0	5401.410	5318.598	5289.614	5306.176	5283.403
8.5	5393.129	5308.246	5281.333	5293.754	5270.981
9.0	5382.777	5299.965	5268.911	5281.333	5258.559
9.5	5374.496	5289.614	5258.559	5268.911	5246.137
10.0	5364.144	5279.262	5246.137	5256.489	5231.645
10.5	5353.793	5266.840	5233.716	5239.927	5215.083
11.0	5343.441	5256.489	5219.224	5225.434	5198.521
11.5	5331.020	5244.067	5204.731	5208.872	5179.888
12.0	5318.598	5229.575	5190.239	5190.239	5163.325
12.5	5306.176	5217.153	5173.677	5173.677	5142.622
13.0	5291.684	5202.661	5159.185	5155.044	5123.990
13.5	5279.262	5188.169	5140.552	5134.341	5103.287
14.0	5262.700	5171.607	5123.990	5113.638	5082.584
14.5	5248.208	5155.044	5105.357	5090.865	5061.881
15.0	5231.645	5138.482	5084.654	5070.162	5037.037
15.5	5215.083	5121.920	5063.951	5047.389	5014.264
16.0	5196.450	5103.287	5043.248	5022.545	4989.420
16.5	5177.818	5084.654	5022.545	4997.702	4962.506
17.0	5161.255	5066.021	4999.772	4970.788	4935.593
17.5	5140.552	5045.318	4976.999	4943.874	4906.608
18.0	5121.920	5024.615	4952.155	4914.890	4875.554
18.5	5101.217	5003.912	4927.311	4885.905	4844.499
19.0	5080.514	4981.139	4902.468	4852.781	4811.375
19.5	5059.811	4958.366	4875.554	4819.656	4774.109
20.0	5039.108	4935.593	4846.570	4786.531	4738.914
20.5	5016.334	4910.749	4819.656	4751.336	4701.649
21.0	4993.561	4887.976	4788.601	4714.071	4662.313
21.5	4968.717	4863.132	4759.617	4676.805	4625.048
22.0	4943.874	4836.218	4728.563	4637.470	4581.571
22.5	4919.030	4809.304	4695.438	4598.134	4542.236
23.0	4894.187	4782.390	4664.383	4556.728	4498.760
23.5	4867.273	4753.406	4629.188	4517.392	4455.283
24.0	4840.359	4726.492	4596.064	4475.986	4411.807
24.5	4811.375	4695.438	4558.798	4434.580	4366.260
25.0	4782.390	4666.454	4523.603	4391.104	4320.714
25.5	4751.336	4635.399	4486.338	4347.628	4275.167
26.0	4722.352	4602.274	4449.072	4304.151	4229.621
26.5	4691.297	4571.220	4411.807	4262.745	4182.004

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**CANDELA TABULATION - (Cont.)**

27.0	4660.243	4538.095	4372.471	4217.199	4134.387
27.5	4629.188	4504.970	4333.136	4171.652	4084.700
28.0	4596.064	4469.775	4293.800	4126.106	4039.153
28.5	4562.939	4434.580	4254.464	4078.489	3989.466
29.0	4531.884	4399.385	4213.058	4030.872	3941.849
29.5	4496.689	4362.120	4171.652	3983.255	3892.162
30.0	4463.564	4326.925	4128.176	3933.568	3842.475
30.5	4426.299	4289.659	4084.700	3885.951	3790.717
31.0	4391.104	4250.324	4041.223	3834.194	3741.030
31.5	4355.909	4213.058	3997.747	3784.506	3689.273
32.0	4318.644	4173.723	3952.201	3732.749	3637.515
32.5	4281.378	4134.387	3906.654	3680.991	3585.758
33.0	4244.113	4095.051	3859.037	3631.304	3534.000
33.5	4204.777	4053.645	3813.491	3579.547	3480.172
34.0	4165.441	4014.310	3765.874	3525.719	3428.415
34.5	4126.106	3970.833	3716.187	3473.962	3374.587
35.0	4084.700	3929.427	3668.570	3422.204	3322.830
35.5	4043.294	3885.951	3620.953	3370.447	3271.072
36.0	4001.888	3844.545	3571.266	3318.689	3221.385
36.5	3958.412	3801.069	3523.649	3269.002	3169.628
37.0	3917.006	3755.522	3473.962	3217.245	3122.011
37.5	3873.529	3709.976	3424.274	3169.628	3070.253
38.0	3830.053	3666.499	3374.587	3119.940	3018.496
38.5	3786.577	3620.953	3326.970	3070.253	2966.738
39.0	3743.100	3575.406	3277.283	3020.566	2914.981
39.5	3697.554	3529.860	3227.596	2972.949	2863.223
40.0	3652.007	3482.243	3179.979	2923.262	2811.466
40.5	3608.531	3436.696	3130.292	2873.575	2759.708
41.0	3562.984	3389.079	3080.605	2821.817	2710.021
41.5	3517.438	3343.533	3032.988	2770.060	2660.334
42.0	3469.821	3297.986	2983.301	2720.373	2610.647
42.5	3426.345	3250.369	2935.684	2668.615	2563.030
43.0	3380.798	3202.752	2888.067	2618.928	2511.273
43.5	3333.181	3157.206	2838.380	2571.311	2465.726
44.0	3287.635	3109.589	2790.763	2523.694	2420.179
44.5	3240.018	3061.972	2743.146	2474.007	2374.633
45.0	3192.401	3016.426	2699.670	2426.390	2331.157
45.5	3146.854	2968.809	2654.123	2380.844	2285.610
46.0	3097.167	2921.192	2608.577	2335.297	2244.204
46.5	3049.550	2873.575	2563.030	2289.751	2200.728
47.0	3001.933	2825.958	2517.483	2246.274	2159.322
47.5	2954.317	2778.341	2471.937	2202.798	2117.916
48.0	2906.700	2730.724	2428.461	2161.392	2076.510
48.5	2857.012	2683.107	2380.844	2119.986	2036.760
49.0	2809.396	2635.491	2333.227	2078.580	1996.803
49.5	2759.708	2587.874	2287.680	2038.830	1957.261
50.0	2712.092	2540.257	2240.063	1997.631	1917.718
50.5	2664.475	2492.640	2196.587	1957.261	1878.589
51.0	2616.858	2447.093	2151.041	1918.339	1841.531
51.5	2569.241	2399.476	2105.494	1879.831	1803.851
52.0	2521.624	2351.860	2061.811	1840.910	1766.586
52.5	2474.007	2306.313	2017.299	1801.988	1730.563
53.0	2426.390	2260.766	1974.030	1765.137	1693.505
53.5	2380.844	2215.220	1932.003	1729.528	1656.653
54.0	2335.297	2171.744	1890.804	1692.055	1621.458
54.5	2287.680	2128.267	1850.847	1655.618	1587.091

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55.0	2244.204	2082.721	1811.512	1619.595	1554.380
55.5	2198.657	2040.280	1772.797	1583.572	1521.049
56.0	2153.111	1997.424	1734.082	1548.584	1488.338
56.5	2107.564	1955.190	1696.196	1514.424	1456.662
57.0	2063.674	1912.749	1658.309	1481.299	1425.194
57.5	2019.784	1870.929	1621.044	1448.795	1394.553
58.0	1975.479	1829.937	1585.435	1416.913	1364.327
58.5	1932.624	1789.359	1549.619	1385.030	1334.515
59.0	1888.941	1748.160	1512.767	1353.561	1304.909
59.5	1846.293	1708.204	1476.537	1322.921	1276.132
60.0	1803.023	1669.282	1441.342	1292.488	1247.148
60.5	1760.789	1631.396	1406.561	1262.468	1218.785
61.0	1717.727	1594.337	1371.780	1233.070	1190.629
61.5	1675.700	1558.521	1338.034	1203.879	1162.473
62.0	1634.501	1522.705	1303.667	1175.102	1134.938
62.5	1593.923	1487.303	1269.714	1146.532	1107.610
63.0	1552.724	1452.315	1236.590	1118.375	1080.903
63.5	1512.353	1416.913	1204.293	1090.840	1055.231
64.0	1472.397	1379.647	1172.617	1063.927	1029.560
64.5	1432.026	1340.726	1141.770	1037.427	1004.716
65.0	1392.483	1302.218	1111.129	1011.341	980.080
65.5	1353.147	1263.917	1080.489	985.462	955.650
66.0	1314.019	1227.066	1050.263	959.584	931.635
66.5	1275.925	1189.801	1020.450	934.119	908.033
67.0	1238.039	1152.535	991.052	908.654	884.225
67.5	1200.566	1115.684	962.275	883.604	860.830
68.0	1163.301	1079.661	933.498	858.346	836.401
68.5	1126.036	1044.052	904.721	833.088	812.592
69.0	1088.977	1010.099	875.943	807.831	788.991
69.5	1051.919	977.595	847.787	782.780	765.182
70.0	1015.275	945.298	819.838	758.350	741.788
70.5	979.251	913.209	792.303	734.335	719.015
71.0	943.849	881.947	765.182	710.734	696.656
71.5	909.068	850.065	738.476	687.339	674.296
72.0	874.701	817.975	711.976	664.152	652.558
72.5	840.748	785.678	686.097	641.586	630.613
73.0	807.417	754.624	660.425	619.226	609.082
73.5	774.706	724.191	635.375	597.281	587.965
74.0	742.202	693.757	611.152	575.750	567.055
74.5	710.734	663.738	587.137	554.426	546.766
75.0	679.886	634.340	563.328	533.309	526.063
75.5	648.832	605.976	539.520	512.399	505.567
76.0	619.019	578.442	516.126	491.696	485.485
76.5	589.621	551.321	493.145	471.407	465.817
77.0	560.844	524.821	470.993	451.325	446.149
77.5	532.895	498.528	449.048	431.450	426.689
78.0	504.946	473.063	427.310	411.782	407.435
78.5	477.618	448.013	405.986	392.115	388.388
79.0	450.911	423.169	385.076	372.861	369.548
79.5	424.204	398.947	364.787	353.607	350.916
80.0	398.326	375.345	344.912	334.767	332.490
80.5	373.068	352.365	325.244	316.135	314.271
81.0	348.431	329.592	305.990	297.916	296.467
81.5	324.209	307.439	286.736	279.697	278.455
82.0	300.193	285.701	267.897	261.479	260.651
82.5	276.592	264.170	249.264	243.674	243.260

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**CANDELA TABULATION - (Cont.)**

83.0	254.026	243.467	231.045	226.077	226.077
83.5	232.288	223.178	213.034	209.100	209.514
84.0	210.756	203.510	195.229	192.538	193.159
84.5	190.053	184.257	177.425	175.975	177.218
85.0	169.350	165.210	160.241	159.827	161.069
85.5	149.062	146.784	143.058	143.886	145.542
86.0	129.394	128.773	126.495	128.359	130.015
86.5	110.347	111.175	110.140	113.038	114.695
87.0	91.921	93.785	94.199	97.718	99.581
87.5	74.117	77.222	78.671	82.605	84.468
88.0	56.933	60.660	63.144	67.492	68.941
88.5	40.785	44.718	47.617	51.550	51.550
89.0	26.086	29.605	31.054	32.711	32.918
89.5	13.457	16.355	18.840	20.496	21.117
90.0	6.211	8.488	8.488	8.074	8.695
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX4-8-L15-835-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 : LRX4-8-L15-835-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 : LRX4-8-L15-835-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1946.52	N.A.	16.20
0-30	4029.18	N.A.	33.50
0-40	6327.4	N.A.	52.50
0-60	10094.76	N.A.	83.80
0-80	11861.23	N.A.	98.50
0-90	12044.31	N.A.	100.00
10-90	11535.55	N.A.	95.80
20-40	4380.89	N.A.	36.40
20-50	6485.23	N.A.	53.80
40-70	4911.61	N.A.	40.80
60-80	1766.46	N.A.	14.70
70-80	622.21	N.A.	5.20
80-90	183.08	N.A.	1.50
90-110	0.22	N.A.	0.00
90-120	0.22	N.A.	0.00
90-130	0.22	N.A.	0.00
90-150	0.22	N.A.	0.00
90-180	0.22	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	12044.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	508.76
10-20	1437.76
20-30	2082.66
30-40	2298.22
40-50	2104.34
50-60	1663.02
60-70	1144.25
70-80	622.21
80-90	183.08
90-100	0.22
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 : LRX4-8-L15-835-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	238	238	238	238	233	233	233	233	222	222	222	213	213	213	204	204	204	200
1	219	210	203	196	214	206	199	192	198	192	186	190	185	181	183	179	175	171
2	201	186	173	162	196	182	170	161	175	165	157	169	160	153	163	156	150	146
3	185	165	150	138	180	162	148	136	156	144	134	151	140	132	146	137	129	125
4	170	148	131	118	166	145	130	118	140	127	116	135	124	114	131	121	113	109
5	157	133	116	103	153	131	115	103	127	112	102	123	110	101	119	108	100	96
6	146	120	104	91	142	119	103	91	115	101	90	112	99	89	109	97	89	85
7	136	110	93	82	132	108	92	81	105	91	81	102	90	80	100	88	80	76
8	127	101	85	73	124	99	84	73	97	83	73	94	82	72	92	81	72	68
9	119	93	77	67	116	92	77	66	90	76	66	87	75	66	85	74	65	62
10	112	86	71	61	109	85	70	61	83	70	60	81	69	60	80	68	60	56

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX4-8-L15-835-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

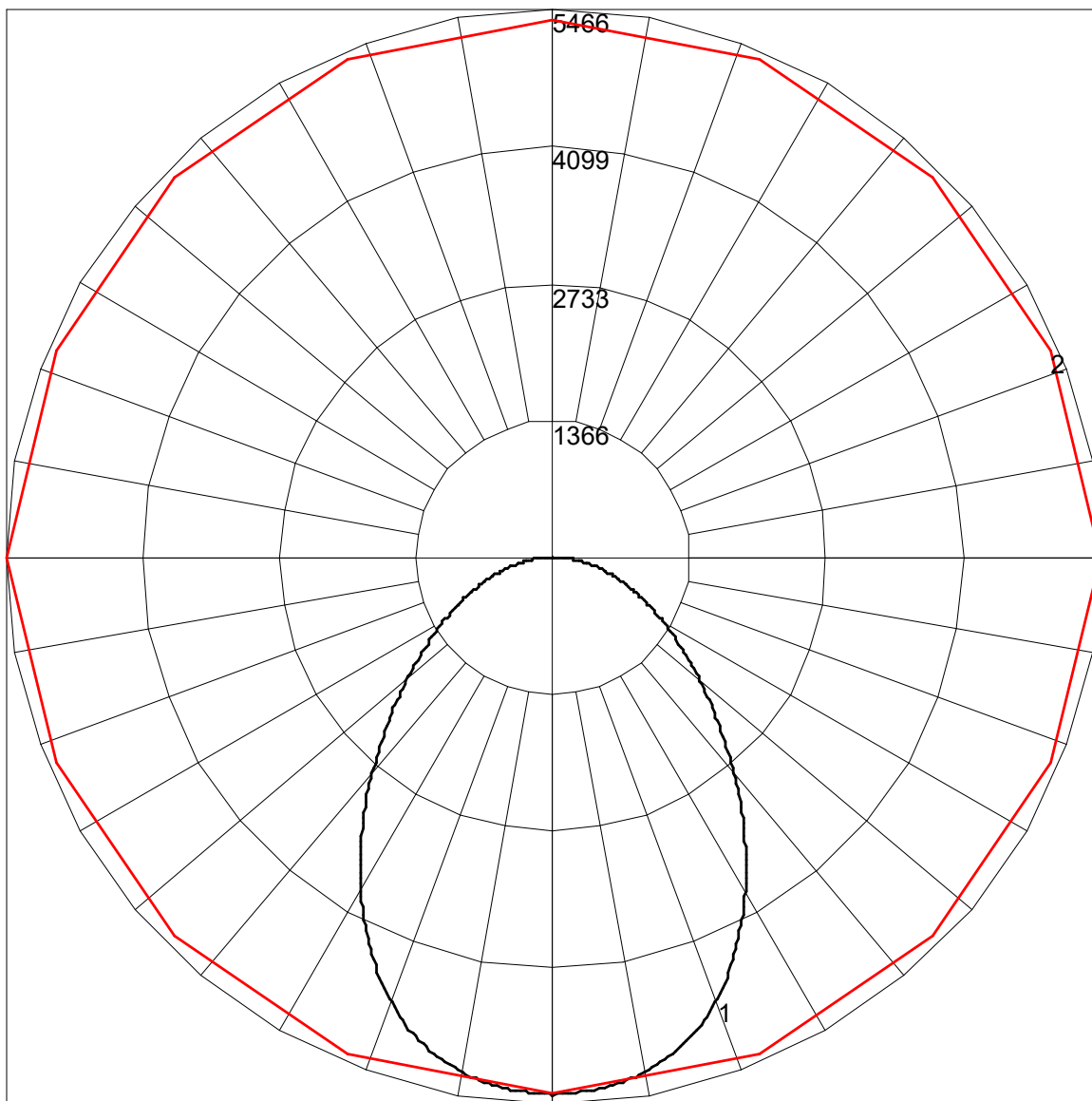
Reflectances

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	21.1	22.7	21.5	23.0	23.3	19.2	20.8	19.6	21.1	21.4
	3H	22.7	24.1	23.1	24.4	24.8	20.8	22.2	21.2	22.5	22.9
	4H	23.3	24.6	23.7	24.9	25.3	21.4	22.7	21.8	23.1	23.4
	6H	23.7	24.9	24.1	25.3	25.6	21.9	23.1	22.3	23.5	23.8
	8H	23.8	25.0	24.2	25.3	25.7	22.0	23.2	22.5	23.6	24.0
	12H	23.9	25.0	24.3	25.4	25.8	22.2	23.3	22.6	23.7	24.1
4H	2H	21.5	22.8	21.9	23.1	23.5	19.9	21.2	20.3	21.6	21.9
	3H	23.3	24.4	23.7	24.8	25.2	21.7	22.8	22.1	23.2	23.6
	4H	24.0	25.0	24.4	25.4	25.8	22.4	23.4	22.8	23.8	24.2
	6H	24.5	25.4	25.0	25.8	26.3	23.0	23.9	23.5	24.3	24.8
	8H	24.7	25.5	25.2	25.9	26.4	23.2	24.0	23.7	24.5	24.9
	12H	24.8	25.5	25.3	26.0	26.5	23.4	24.1	23.9	24.6	25.1
8H	4H	24.2	24.9	24.6	25.4	25.9	22.8	23.5	23.2	24.0	24.5
	6H	24.8	25.5	25.3	25.9	26.4	23.5	24.1	24.0	24.6	25.1
	8H	25.0	25.6	25.5	26.1	26.6	23.8	24.4	24.3	24.9	25.3
	12H	25.2	25.8	25.7	26.3	26.8	24.0	24.5	24.5	25.0	25.6
12H	4H	24.1	24.9	24.6	25.3	25.8	22.8	23.5	23.2	24.0	24.4
	6H	24.8	25.4	25.4	25.9	26.4	23.5	24.1	24.1	24.6	25.1
	8H	25.1	25.6	25.6	26.1	26.7	23.9	24.4	24.4	24.9	25.5

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 5465.589 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.)