



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L8-927-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-L8-927-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	2560
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	27.6
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	14949	12895	11762
55	13326	11332	10374
65	11748	9989	9195
75	9690	8504	7925
85	7310	6820	6571

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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	1134.213	1134.213	1134.213	1134.213	1134.213
0.5	1154.209	1135.143	1128.632	1131.422	1125.842
1.0	1154.209	1134.678	1128.632	1131.422	1125.377
1.5	1153.744	1134.678	1128.167	1130.957	1124.912
2.0	1153.279	1133.748	1127.237	1130.492	1123.517
2.5	1152.814	1132.817	1126.772	1129.097	1122.587
3.0	1151.884	1131.887	1125.377	1128.167	1120.727
3.5	1150.954	1130.957	1123.982	1126.307	1118.867
4.0	1150.024	1130.027	1122.587	1124.912	1117.471
4.5	1149.094	1128.632	1121.192	1123.052	1115.146
5.0	1148.164	1127.237	1118.867	1120.727	1112.821
5.5	1146.303	1125.377	1117.006	1117.936	1109.566
6.0	1144.908	1123.517	1114.681	1115.611	1106.776
6.5	1143.513	1122.122	1112.356	1112.356	1103.520
7.0	1141.653	1119.797	1110.031	1109.101	1100.265
7.5	1139.793	1117.936	1107.241	1105.846	1096.545
8.0	1137.933	1115.146	1104.451	1102.125	1093.290
8.5	1135.608	1112.821	1101.195	1098.405	1089.104
9.0	1133.283	1110.496	1097.940	1094.220	1084.919
9.5	1130.957	1107.706	1094.220	1089.570	1080.269
10.0	1128.632	1104.916	1090.500	1085.384	1076.084
10.5	1125.842	1102.125	1086.779	1080.734	1070.503
11.0	1123.052	1098.870	1082.594	1076.084	1065.388
11.5	1119.797	1095.615	1078.409	1070.968	1060.273
12.0	1116.541	1091.895	1073.758	1065.853	1054.692
12.5	1113.751	1088.174	1069.108	1060.273	1048.647
13.0	1110.031	1084.454	1064.458	1054.692	1043.066
13.5	1106.311	1080.269	1059.342	1048.647	1037.021
14.0	1103.055	1076.084	1054.692	1043.066	1030.976
14.5	1098.870	1071.898	1049.112	1037.021	1024.465
15.0	1095.150	1067.713	1043.996	1030.510	1018.420
15.5	1090.965	1063.063	1037.951	1024.000	1011.444
16.0	1087.709	1058.877	1032.371	1017.490	1004.469
16.5	1084.454	1054.227	1026.325	1010.514	997.493
17.0	1080.269	1049.577	1020.280	1003.539	990.518
17.5	1074.223	1044.926	1014.234	996.563	983.077
18.0	1068.643	1040.741	1008.189	989.123	975.172
18.5	1063.063	1035.161	1001.679	981.682	967.266
19.0	1058.412	1029.115	995.168	973.777	959.361
19.5	1053.297	1023.070	988.658	965.871	950.990
20.0	1048.182	1017.025	981.682	958.431	942.154
20.5	1042.601	1010.979	975.172	950.525	933.784
21.0	1037.021	1005.399	968.196	942.154	924.948
21.5	1031.441	999.353	961.221	934.249	916.578
22.0	1025.395	992.843	953.780	925.878	907.742
22.5	1019.815	986.797	946.805	917.043	899.372
23.0	1013.304	980.287	940.294	908.672	891.001
23.5	1007.259	973.312	932.854	900.302	882.165
24.0	1000.748	966.801	924.483	891.931	873.795
24.5	994.238	959.826	916.578	883.560	864.959
25.0	987.728	953.315	908.207	874.725	856.124
25.5	981.217	945.875	900.302	866.354	847.288
26.0	974.242	938.899	891.931	857.519	838.917
26.5	967.731	931.459	884.025	849.148	830.547

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**CANDELA TABULATION - (Cont.)**

27.0	960.291	924.483	875.655	840.777	821.711
27.5	953.315	916.578	867.749	832.407	812.411
28.0	946.340	909.137	859.379	824.036	804.040
28.5	939.364	901.697	851.008	815.201	795.669
29.0	931.924	893.791	843.103	806.365	787.299
29.5	924.018	885.886	834.732	797.530	778.928
30.0	916.578	877.980	826.362	789.159	770.093
30.5	908.672	870.540	818.456	780.788	761.257
31.0	900.767	862.634	810.085	771.953	752.421
31.5	892.396	854.263	801.250	763.117	744.051
32.0	884.490	846.358	792.879	754.282	735.215
32.5	876.120	837.987	784.509	745.446	726.380
33.0	868.214	829.617	775.673	736.610	717.544
33.5	859.844	821.246	767.302	728.240	708.708
34.0	851.473	812.876	758.932	719.404	699.873
34.5	843.568	804.040	749.631	710.569	691.037
35.0	835.197	795.669	741.261	701.268	682.202
35.5	826.827	786.834	732.425	692.432	673.831
36.0	817.991	778.463	724.055	684.062	664.995
36.5	809.620	769.628	715.219	675.226	656.625
37.0	801.250	760.792	706.383	665.926	647.789
37.5	792.414	751.956	697.548	657.555	639.884
38.0	784.044	743.121	688.712	648.719	631.048
38.5	775.208	734.285	680.342	640.349	622.678
39.0	766.372	725.450	671.041	631.513	614.307
39.5	757.537	716.614	662.205	623.143	605.936
40.0	748.236	707.778	653.370	614.307	597.566
40.5	738.936	698.943	644.534	606.401	589.660
41.0	730.100	690.107	635.698	598.031	580.825
41.5	720.799	680.807	626.863	589.660	572.454
42.0	711.499	671.971	618.492	580.825	564.549
42.5	702.663	662.670	609.657	572.454	556.178
43.0	693.362	653.835	601.286	564.549	548.272
43.5	684.062	644.534	591.985	556.643	540.367
44.0	674.761	635.698	583.615	548.272	532.461
44.5	665.461	626.863	574.779	539.902	524.556
45.0	656.625	617.562	566.409	531.996	516.650
45.5	647.324	608.727	558.038	524.091	508.745
46.0	638.024	599.891	549.668	516.185	501.304
46.5	629.188	590.590	540.832	508.280	493.399
47.0	619.887	581.755	532.461	500.374	485.958
47.5	611.052	572.919	524.556	492.004	478.518
48.0	601.751	564.084	516.185	484.563	470.612
48.5	592.451	555.248	508.280	476.658	463.451
49.0	583.615	545.947	499.444	469.217	455.964
49.5	574.314	537.112	491.539	461.265	448.477
50.0	565.479	528.741	483.168	453.499	440.990
50.5	556.178	519.906	475.263	446.152	433.875
51.0	547.342	511.070	466.892	438.944	426.806
51.5	538.042	502.234	459.033	431.596	419.087
52.0	529.206	493.864	450.848	424.016	411.832
52.5	519.906	485.028	442.757	416.436	404.857
53.0	511.070	476.658	434.758	408.949	397.416
53.5	501.769	468.287	427.132	401.927	390.673
54.0	492.934	459.498	419.412	394.998	383.558
54.5	484.098	450.895	411.553	387.883	376.583

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**CANDELA TABULATION - (Cont.)**

55.0	474.797	442.478	403.741	380.536	369.607
55.5	465.962	434.154	396.161	373.095	362.492
56.0	457.080	425.876	388.767	365.934	355.749
56.5	448.384	417.692	381.233	359.191	349.053
57.0	439.641	409.414	373.793	352.541	342.635
57.5	431.084	401.322	366.585	345.519	335.985
58.0	422.574	393.370	359.237	338.357	329.150
58.5	414.343	385.418	351.750	331.335	322.500
59.0	405.926	377.699	344.310	324.546	316.268
59.5	397.649	369.979	337.055	317.896	309.851
60.0	389.325	362.353	330.080	311.432	303.247
60.5	381.233	354.726	323.197	304.921	296.783
61.0	373.188	347.053	316.222	298.271	290.552
61.5	365.096	339.380	308.967	291.575	284.134
62.0	357.005	331.940	301.899	284.971	277.717
62.5	348.960	324.592	295.202	278.601	271.486
63.0	340.868	317.105	288.785	272.369	265.394
63.5	332.730	309.665	282.367	266.510	259.302
64.0	324.639	302.178	275.764	260.650	253.210
64.5	316.547	294.737	268.928	254.326	247.257
65.0	308.409	287.390	262.231	247.722	241.398
65.5	300.318	279.996	255.907	241.770	235.632
66.0	292.272	272.602	249.722	236.422	230.098
66.5	284.181	265.254	243.444	230.935	224.471
67.0	276.136	258.000	236.887	224.982	218.704
67.5	268.137	250.792	230.284	218.565	212.845
68.0	260.139	243.491	223.680	211.961	206.846
68.5	252.233	236.236	217.123	205.823	200.894
69.0	244.421	228.982	210.892	200.103	195.127
69.5	236.608	221.913	204.754	194.430	189.314
70.0	228.842	214.845	198.243	188.198	183.176
70.5	221.216	207.730	191.593	181.502	177.084
71.0	213.543	200.615	185.036	175.084	171.085
71.5	206.009	193.593	178.619	169.318	165.272
72.0	198.522	186.803	172.480	163.970	159.645
72.5	191.128	180.107	166.574	158.436	154.251
73.0	183.874	173.457	160.575	152.530	148.764
73.5	176.666	166.760	154.391	146.625	143.090
74.0	169.597	160.157	148.206	140.951	137.696
74.5	162.622	153.693	142.346	135.603	132.627
75.0	155.786	147.415	136.719	130.348	127.419
75.5	149.043	141.184	131.185	125.047	122.071
76.0	142.393	134.999	125.512	119.792	117.002
76.5	135.836	128.767	119.885	114.398	112.026
77.0	129.325	122.675	114.212	109.096	106.864
77.5	122.954	116.676	108.817	103.888	101.609
78.0	116.583	110.724	103.563	98.819	96.634
78.5	110.306	104.865	98.308	93.797	91.890
79.0	104.214	99.145	93.053	88.868	87.193
79.5	98.168	93.518	87.891	84.031	82.543
80.0	92.262	87.984	82.869	79.195	77.846
80.5	86.403	82.543	77.893	74.405	73.056
81.0	80.730	77.195	72.870	69.708	68.360
81.5	75.196	71.987	68.034	65.151	63.895
82.0	69.755	66.965	63.430	60.780	59.617
82.5	64.453	62.035	58.873	56.548	55.478

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**CANDELA TABULATION - (Cont.)**

83.0	59.245	57.152	54.409	52.270	51.433
83.5	54.130	52.316	49.898	48.038	47.387
84.0	49.154	47.666	45.387	43.852	43.248
84.5	44.318	43.108	41.016	39.760	39.249
85.0	39.574	38.644	36.924	35.807	35.575
85.5	34.924	34.226	32.924	32.087	32.134
86.0	30.413	29.855	29.018	28.646	28.646
86.5	26.042	25.670	25.112	25.019	25.112
87.0	21.763	21.624	21.298	21.298	21.438
87.5	17.671	17.532	17.578	17.811	17.904
88.0	13.718	13.811	14.230	14.555	14.695
88.5	10.045	10.370	11.161	11.254	11.347
89.0	6.789	7.301	7.766	7.022	6.975
89.5	4.697	4.836	3.627	3.441	3.813
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX2-4-L8-927-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-L8-927-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-L8-927-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	401.60	N.A.	15.70
0-30	822.18	N.A.	32.10
0-40	1290.44	N.A.	50.40
0-60	2104.03	N.A.	82.20
0-80	2517.7	N.A.	98.30
0-90	2560.07	N.A.	100.00
10-90	2453.66	N.A.	95.80
20-40	888.84	N.A.	34.70
20-50	1333.18	N.A.	52.10
40-70	1079.42	N.A.	42.20
60-80	413.67	N.A.	16.20
70-80	147.84	N.A.	5.80
80-90	42.37	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	2560.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	106.41
10-20	295.19
20-30	420.59
30-40	468.25
40-50	444.34
50-60	369.25
60-70	265.83
70-80	147.84
80-90	42.37
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-L8-927-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**  
**PHOTOMETRIC FILENAME : LRX2-4-L8-927-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

X=2H	Y=2H	20.8	22.4	21.2	22.7	23.0	19.7	21.2	20.0	21.5	21.9
	3H	22.5	24.0	22.9	24.3	24.6	21.3	22.7	21.7	23.1	23.4
	4H	23.2	24.5	23.6	24.8	25.2	21.9	23.3	22.3	23.6	24.0
	6H	23.6	24.8	24.0	25.2	25.6	22.4	23.6	22.8	24.0	24.4
	8H	23.8	24.9	24.2	25.3	25.7	22.6	23.7	23.0	24.1	24.5
	12H	23.8	25.0	24.3	25.4	25.8	22.7	23.8	23.1	24.2	24.6

UGR Viewed Endwise

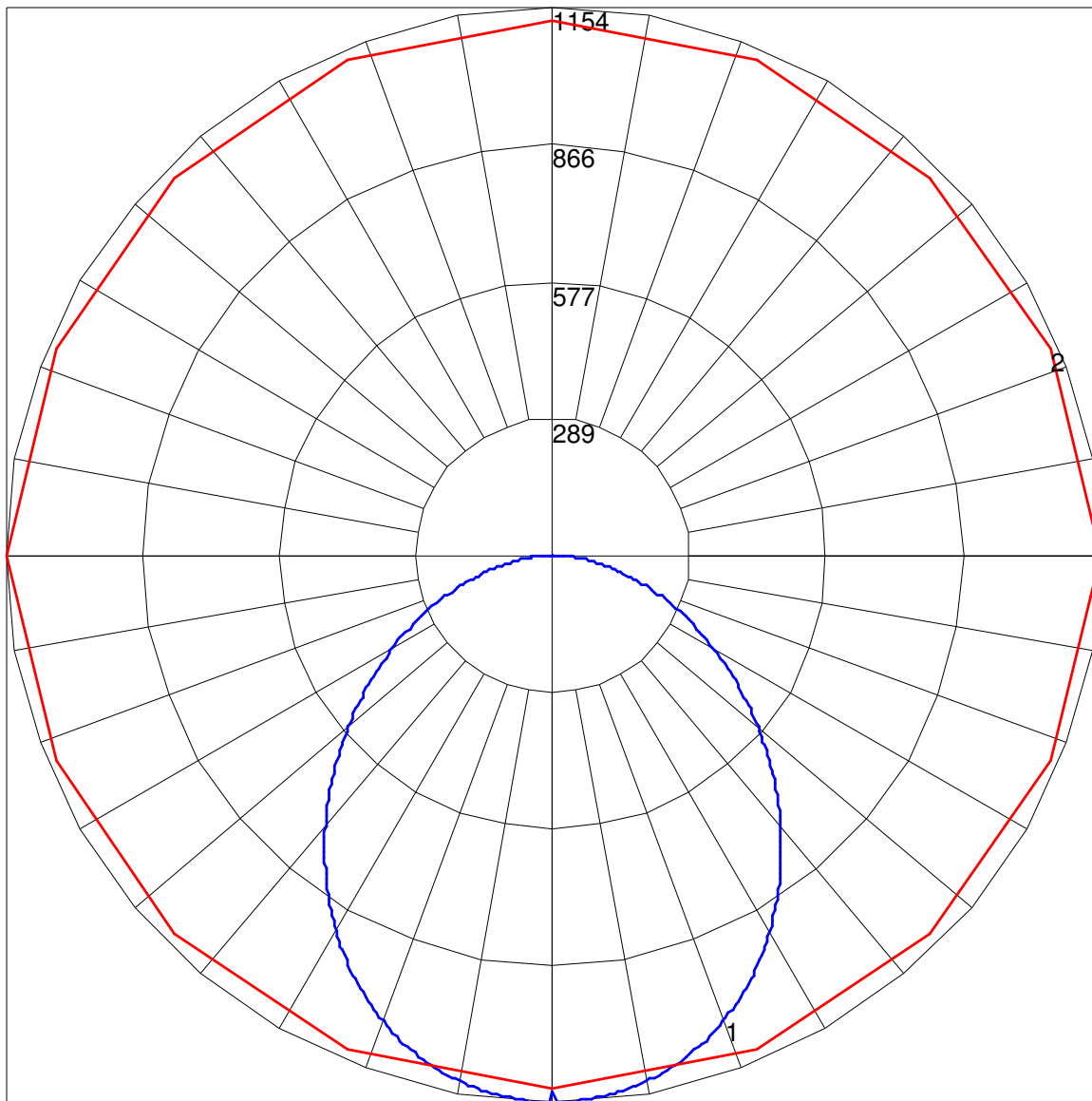
4H	2H	21.3	22.6	21.7	22.9	23.3	20.3	21.7	20.7	22.0	22.4
	3H	23.2	24.3	23.6	24.7	25.1	22.2	23.3	22.6	23.7	24.1
	4H	24.0	25.0	24.4	25.4	25.8	23.0	23.9	23.4	24.4	24.8
	6H	24.6	25.4	25.0	25.9	26.3	23.5	24.4	24.0	24.8	25.3
	8H	24.7	25.6	25.2	26.0	26.5	23.7	24.5	24.2	25.0	25.5
	12H	24.9	25.6	25.4	26.1	26.6	23.9	24.6	24.4	25.1	25.6

8H	4H	24.2	25.0	24.6	25.4	25.9	23.3	24.1	23.7	24.5	25.0
	6H	24.9	25.6	25.4	26.0	26.5	24.0	24.7	24.5	25.1	25.6
	8H	25.1	25.7	25.6	26.3	26.7	24.2	24.9	24.7	25.4	25.8
	12H	25.4	25.9	25.9	26.4	27.0	24.5	25.0	25.0	25.5	26.1

12H	4H	24.2	24.9	24.7	25.4	25.9	23.3	24.0	23.8	24.5	25.0
	6H	24.9	25.5	25.4	26.0	26.5	24.0	24.7	24.6	25.1	25.7
	8H	25.2	25.8	25.7	26.3	26.8	24.4	24.9	24.9	25.4	26.0

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 1154.209 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.)