



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-8-L4-830-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] LRX2-8-L4-830-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	3208
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	28.8
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)	8.00 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	9365	8079	7369
55	8349	7099	6499
65	7360	6258	5761
75	6071	5328	4965
85	4579	4273	4117

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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	1421.133	1421.133	1421.133	1421.133	1421.133
0.5	1446.188	1422.298	1414.141	1417.637	1410.645
1.0	1446.188	1421.715	1414.141	1417.637	1410.062
1.5	1445.605	1421.715	1413.558	1417.054	1409.479
2.0	1445.022	1420.550	1412.393	1416.471	1407.731
2.5	1444.440	1419.385	1411.810	1414.723	1406.566
3.0	1443.274	1418.219	1410.062	1413.558	1404.235
3.5	1442.109	1417.054	1408.314	1411.227	1401.905
4.0	1440.944	1415.889	1406.566	1409.479	1400.157
4.5	1439.778	1414.141	1404.818	1407.149	1397.243
5.0	1438.613	1412.393	1401.905	1404.235	1394.330
5.5	1436.282	1410.062	1399.574	1400.739	1390.251
6.0	1434.534	1407.731	1396.661	1397.826	1386.755
6.5	1432.786	1405.983	1393.747	1393.747	1382.677
7.0	1430.456	1403.070	1390.834	1389.669	1378.598
7.5	1428.125	1400.739	1387.338	1385.590	1373.936
8.0	1425.794	1397.243	1383.842	1380.929	1369.858
8.5	1422.881	1394.330	1379.763	1376.267	1364.614
9.0	1419.967	1391.417	1375.685	1371.023	1359.370
9.5	1417.054	1387.921	1371.023	1365.196	1353.543
10.0	1414.141	1384.425	1366.362	1359.952	1348.299
10.5	1410.645	1380.929	1361.700	1354.126	1341.307
11.0	1407.149	1376.850	1356.456	1348.299	1334.898
11.5	1403.070	1372.771	1351.212	1341.890	1328.488
12.0	1398.991	1368.110	1345.386	1335.480	1321.496
12.5	1395.495	1363.448	1339.559	1328.488	1313.921
13.0	1390.834	1358.787	1333.732	1321.496	1306.929
13.5	1386.173	1353.543	1327.323	1313.921	1299.355
14.0	1382.094	1348.299	1321.496	1306.929	1291.780
14.5	1376.850	1343.055	1314.504	1299.355	1283.623
15.0	1372.188	1337.811	1308.095	1291.197	1276.048
15.5	1366.944	1331.984	1300.520	1283.040	1267.308
16.0	1362.866	1326.740	1293.528	1274.883	1258.568
16.5	1358.787	1320.914	1285.953	1266.142	1249.828
17.0	1353.543	1315.087	1278.379	1257.402	1241.088
17.5	1345.968	1309.260	1270.804	1248.662	1231.765
18.0	1338.976	1304.016	1263.229	1239.340	1221.860
18.5	1331.984	1297.024	1255.072	1230.017	1211.954
19.0	1326.158	1289.449	1246.914	1220.112	1202.049
19.5	1319.748	1281.875	1238.757	1210.206	1191.561
20.0	1313.339	1274.300	1230.017	1200.883	1180.490
20.5	1306.347	1266.725	1221.860	1190.978	1170.002
21.0	1299.355	1259.733	1213.120	1180.490	1158.931
21.5	1292.363	1252.158	1204.379	1170.585	1148.443
22.0	1284.788	1244.001	1195.057	1160.097	1137.372
22.5	1277.796	1236.426	1186.317	1149.026	1126.884
23.0	1269.639	1228.269	1178.159	1138.538	1116.396
23.5	1262.064	1219.529	1168.837	1128.050	1105.326
24.0	1253.906	1211.371	1158.348	1117.562	1094.837
24.5	1245.749	1202.631	1148.443	1107.074	1083.767
25.0	1237.592	1194.474	1137.955	1096.003	1072.696
25.5	1229.434	1185.151	1128.050	1085.515	1061.625
26.0	1220.694	1176.411	1117.562	1074.444	1051.137
26.5	1212.537	1167.089	1107.656	1063.956	1040.649

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**CANDELA TABULATION - (Cont.)**

27.0	1203.214	1158.348	1097.168	1053.468	1029.578
27.5	1194.474	1148.443	1087.263	1042.980	1017.925
28.0	1185.734	1139.120	1076.775	1032.492	1007.437
28.5	1176.994	1129.798	1066.287	1021.421	996.949
29.0	1167.671	1119.892	1056.381	1010.350	986.461
29.5	1157.766	1109.987	1045.893	999.280	975.973
30.0	1148.443	1100.081	1035.405	988.791	964.902
30.5	1138.538	1090.759	1025.500	978.303	953.831
31.0	1128.632	1080.853	1015.012	967.233	942.760
31.5	1118.144	1070.365	1003.941	956.162	932.272
32.0	1108.239	1060.460	993.453	945.091	921.202
32.5	1097.751	1049.972	982.965	934.020	910.131
33.0	1087.845	1039.484	971.894	922.950	899.060
33.5	1077.357	1028.996	961.406	912.462	887.989
34.0	1066.869	1018.508	950.918	901.391	876.919
34.5	1056.964	1007.437	939.264	890.320	865.848
35.0	1046.476	996.949	928.776	878.667	854.777
35.5	1035.988	985.878	917.706	867.596	844.289
36.0	1024.917	975.390	907.218	857.108	833.218
36.5	1014.429	964.319	896.147	846.037	822.730
37.0	1003.941	953.249	885.076	834.384	811.660
37.5	992.870	942.178	874.005	823.896	801.754
38.0	982.382	931.107	862.935	812.825	790.684
38.5	971.311	920.036	852.447	802.337	780.195
39.0	960.241	908.966	840.793	791.266	769.707
39.5	949.170	897.895	829.722	780.778	759.219
40.0	937.516	886.824	818.652	769.707	748.731
40.5	925.863	875.753	807.581	759.802	738.826
41.0	914.792	864.683	796.510	749.314	727.755
41.5	903.139	853.029	785.440	738.826	717.267
42.0	891.486	841.959	774.951	727.755	707.362
42.5	880.415	830.305	763.881	717.267	696.874
43.0	868.761	819.234	753.393	707.362	686.968
43.5	857.108	807.581	741.739	697.456	677.063
44.0	845.455	796.510	731.251	686.968	667.157
44.5	833.801	785.440	720.180	676.480	657.252
45.0	822.730	773.786	709.692	666.575	647.347
45.5	811.077	762.715	699.204	656.669	637.441
46.0	799.424	751.645	688.716	646.764	628.119
46.5	788.353	739.991	677.646	636.859	618.213
47.0	776.699	728.921	667.157	626.953	608.890
47.5	765.629	717.850	657.252	616.465	599.568
48.0	753.975	706.779	646.764	607.142	589.662
48.5	742.322	695.708	636.859	597.237	580.689
49.0	731.251	684.055	625.788	587.914	571.308
49.5	719.598	672.984	615.882	577.951	561.927
50.0	708.527	662.496	605.394	568.220	552.546
50.5	696.874	651.425	595.489	559.014	543.631
51.0	685.803	640.355	585.001	549.982	534.775
51.5	674.150	629.284	575.154	540.776	525.102
52.0	663.079	618.796	564.899	531.279	516.013
52.5	651.425	607.725	554.760	521.781	507.273
53.0	640.355	597.237	544.738	512.400	497.950
53.5	628.701	586.749	535.183	503.602	489.501
54.0	617.630	575.736	525.510	494.920	480.586
54.5	606.560	564.957	515.663	486.005	471.846

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**CANDELA TABULATION - (Cont.)**

55.0	594.906	554.411	505.874	476.799	463.106
55.5	583.836	543.981	496.377	467.476	454.191
56.0	572.707	533.609	487.112	458.503	445.743
56.5	561.811	523.354	477.673	450.055	437.352
57.0	550.856	512.983	468.350	441.722	429.311
57.5	540.135	502.844	459.319	432.924	420.979
58.0	529.472	492.881	450.113	423.951	412.414
58.5	519.159	482.917	440.732	415.153	404.082
59.0	508.613	473.245	431.409	406.646	396.274
59.5	498.241	463.572	422.319	398.313	388.233
60.0	487.812	454.017	413.579	390.214	379.959
60.5	477.673	444.461	404.956	382.057	371.860
61.0	467.593	434.847	396.216	373.725	364.052
61.5	457.454	425.233	387.126	365.334	356.012
62.0	447.316	415.910	378.270	357.060	347.971
62.5	437.236	406.704	369.879	349.078	340.163
63.0	427.097	397.323	361.838	341.270	332.530
63.5	416.901	388.000	353.797	333.928	324.897
64.0	406.762	378.619	345.523	326.587	317.264
64.5	396.624	369.296	336.958	318.662	309.806
65.0	386.427	360.090	328.568	310.388	302.464
65.5	376.288	350.826	320.643	302.930	295.239
66.0	366.208	341.561	312.894	296.230	288.305
66.5	356.070	332.355	305.028	289.354	281.255
67.0	345.990	323.265	296.812	281.896	274.030
67.5	335.968	314.234	288.538	273.855	266.688
68.0	325.946	305.086	280.264	265.581	259.172
68.5	316.040	295.996	272.049	257.890	251.714
69.0	306.251	286.907	264.241	250.723	244.488
69.5	296.463	278.050	256.550	243.614	237.205
70.0	286.732	269.194	248.392	235.807	229.514
70.5	277.176	260.279	240.060	227.416	221.881
71.0	267.562	251.364	231.845	219.375	214.364
71.5	258.123	242.566	223.804	212.150	207.081
72.0	248.742	234.059	216.112	205.450	200.031
72.5	239.477	225.668	208.712	198.516	193.272
73.0	230.388	217.336	201.196	191.116	186.396
73.5	221.356	208.946	193.447	183.716	179.288
74.0	212.500	200.672	185.697	176.607	172.529
74.5	203.760	192.573	178.355	169.907	166.178
75.0	195.195	184.706	171.305	163.322	159.652
75.5	186.746	176.899	164.371	156.680	152.951
76.0	178.414	169.149	157.263	150.096	146.600
76.5	170.198	161.341	150.212	143.337	140.365
77.0	162.041	153.708	143.104	136.694	133.898
77.5	154.058	146.192	136.345	130.169	127.313
78.0	146.075	138.734	129.761	123.817	121.079
78.5	138.209	131.392	123.176	117.525	115.136
79.0	130.576	124.225	116.592	111.348	109.251
79.5	123.002	117.175	110.125	105.289	103.424
80.0	115.602	110.241	103.832	99.229	97.539
80.5	108.260	103.424	97.597	93.227	91.537
81.0	101.152	96.723	91.304	87.342	85.653
81.5	94.218	90.197	85.245	81.632	80.059
82.0	87.401	83.905	79.476	76.155	74.698
82.5	80.758	77.728	73.766	70.853	69.513

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**CANDELA TABULATION - (Cont.)**

83.0	74.232	71.610	68.172	65.492	64.443
83.5	67.823	65.550	62.521	60.190	59.374
84.0	61.588	59.724	56.869	54.946	54.188
84.5	55.528	54.014	51.392	49.818	49.177
85.0	49.585	48.420	46.264	44.866	44.574
85.5	43.759	42.885	41.253	40.204	40.263
86.0	38.107	37.407	36.359	35.892	35.892
86.5	32.630	32.163	31.464	31.348	31.464
87.0	27.269	27.094	26.686	26.686	26.861
87.5	22.141	21.967	22.025	22.316	22.433
88.0	17.189	17.305	17.830	18.238	18.412
88.5	12.586	12.994	13.984	14.101	14.217
89.0	8.507	9.148	9.731	8.798	8.740
89.5	5.885	6.060	4.545	4.312	4.778
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 : LRX2-8-L4-830-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 : LRX2-8-L4-830-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 : LRX2-8-L4-830-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	503.19	N.A.	15.70
0-30	1030.17	N.A.	32.10
0-40	1616.88	N.A.	50.40
0-60	2636.28	N.A.	82.20
0-80	3154.6	N.A.	98.30
0-90	3207.69	N.A.	100.00
10-90	3074.36	N.A.	95.80
20-40	1113.69	N.A.	34.70
20-50	1670.43	N.A.	52.10
40-70	1352.48	N.A.	42.20
60-80	518.32	N.A.	16.20
70-80	185.24	N.A.	5.80
80-90	53.09	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	3207.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	133.32
10-20	369.86
20-30	526.98
30-40	586.71
40-50	556.74
50-60	462.66
60-70	333.08
70-80	185.24
80-90	53.09
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 : LRX2-8-L4-830-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	59	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 : LRX2-8-L4-830-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	19.2	20.8	19.6	21.1	21.4	18.1	19.6	18.4	19.9	20.2
	3H	20.9	22.4	21.3	22.7	23.0	19.7	21.1	20.1	21.5	21.8
	4H	21.5	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	22.1	23.3	22.6	23.7	24.1	20.9	22.1	21.4	22.5	22.9
	12H	22.2	23.4	22.7	23.7	24.2	21.0	22.2	21.5	22.6	23.0

UGR Viewed Endwise

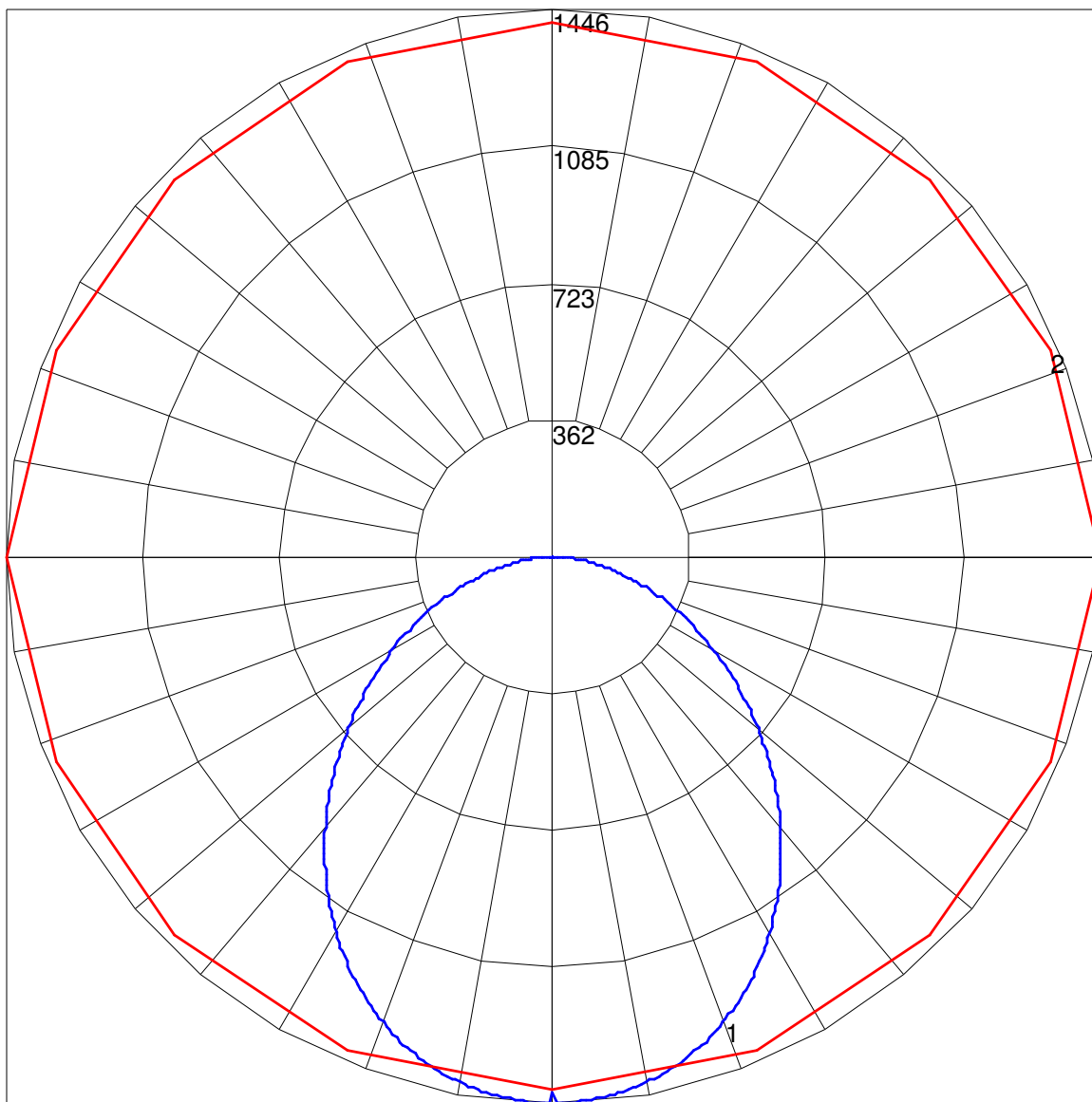
4H	2H	19.7	21.0	20.1	21.3	21.7	18.7	20.0	19.1	20.4	20.8
	3H	21.6	22.7	22.0	23.1	23.5	20.6	21.7	21.0	22.1	22.5
	4H	22.4	23.4	22.8	23.8	24.2	21.3	22.3	21.8	22.8	23.2
	6H	22.9	23.8	23.4	24.3	24.7	21.9	22.8	22.4	23.2	23.7
	8H	23.1	23.9	23.6	24.4	24.9	22.1	22.9	22.6	23.4	23.8
	12H	23.3	24.0	23.8	24.5	25.0	22.3	23.0	22.8	23.5	23.9

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	23.9	23.8	24.4	24.9	22.4	23.0	22.9	23.5	24.0
	8H	23.5	24.1	24.0	24.6	25.1	22.6	23.2	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 = 1446.188 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.)