



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L10-930-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-L10-930-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	3303
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	36.4
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	19288	16638	15176
55	17194	14620	13384
65	15158	12888	11864
75	12502	10972	10226
85	9431	8799	8478

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX2-4-L10-930-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1463.382	1463.382	1463.382	1463.382	1463.382
0.5	1489.182	1464.582	1456.183	1459.783	1452.583
1.0	1489.182	1463.982	1456.183	1459.783	1451.983
1.5	1488.582	1463.982	1455.583	1459.183	1451.383
2.0	1487.982	1462.782	1454.383	1458.583	1449.583
2.5	1487.382	1461.582	1453.783	1456.783	1448.383
3.0	1486.182	1460.383	1451.983	1455.583	1445.983
3.5	1484.982	1459.183	1450.183	1453.183	1443.583
4.0	1483.782	1457.983	1448.383	1451.383	1441.783
4.5	1482.582	1456.183	1446.583	1448.983	1438.783
5.0	1481.382	1454.383	1443.583	1445.983	1435.783
5.5	1478.982	1451.983	1441.183	1442.383	1431.583
6.0	1477.182	1449.583	1438.183	1439.383	1427.983
6.5	1475.382	1447.783	1435.183	1435.183	1423.783
7.0	1472.982	1444.783	1432.183	1430.983	1419.583
7.5	1470.582	1442.383	1428.583	1426.783	1414.783
8.0	1468.182	1438.783	1424.983	1421.983	1410.583
8.5	1465.182	1435.783	1420.783	1417.183	1405.183
9.0	1462.182	1432.783	1416.583	1411.783	1399.783
9.5	1459.183	1429.183	1411.783	1405.783	1393.783
10.0	1456.183	1425.583	1406.983	1400.383	1388.383
10.5	1452.583	1421.983	1402.183	1394.383	1381.183
11.0	1448.983	1417.783	1396.783	1388.383	1374.584
11.5	1444.783	1413.583	1391.383	1381.783	1367.984
12.0	1440.583	1408.783	1385.383	1375.184	1360.784
12.5	1436.983	1403.983	1379.383	1367.984	1352.984
13.0	1432.183	1399.183	1373.384	1360.784	1345.784
13.5	1427.383	1393.783	1366.784	1352.984	1337.984
14.0	1423.183	1388.383	1360.784	1345.784	1330.184
14.5	1417.783	1382.983	1353.584	1337.984	1321.784
15.0	1412.983	1377.583	1346.984	1329.584	1313.984
15.5	1407.583	1371.584	1339.184	1321.184	1304.984
16.0	1403.383	1366.184	1331.984	1312.784	1295.984
16.5	1399.183	1360.184	1324.184	1303.784	1286.985
17.0	1393.783	1354.184	1316.384	1294.784	1277.985
17.5	1385.983	1348.184	1308.584	1285.785	1268.385
18.0	1378.783	1342.784	1300.784	1276.185	1258.185
18.5	1371.584	1335.584	1292.385	1266.585	1247.985
19.0	1365.584	1327.784	1283.985	1256.385	1237.785
19.5	1358.984	1319.984	1275.585	1246.185	1226.985
20.0	1352.384	1312.184	1266.585	1236.585	1215.585
20.5	1345.184	1304.384	1258.185	1226.385	1204.786
21.0	1337.984	1297.184	1249.185	1215.585	1193.386
21.5	1330.784	1289.385	1240.185	1205.386	1182.586
22.0	1322.984	1280.985	1230.585	1194.586	1171.186
22.5	1315.784	1273.185	1221.585	1183.186	1160.386
23.0	1307.384	1264.785	1213.185	1172.386	1149.586
23.5	1299.584	1255.785	1203.586	1161.586	1138.186
24.0	1291.185	1247.385	1192.786	1150.786	1127.386
24.5	1282.785	1238.385	1182.586	1139.986	1115.987
25.0	1274.385	1229.985	1171.786	1128.586	1104.587
25.5	1265.985	1220.385	1161.586	1117.787	1093.187
26.0	1256.985	1211.385	1150.786	1106.387	1082.387
26.5	1248.585	1201.786	1140.586	1095.587	1071.587

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX2-4-L10-930-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

27.0	1238.985	1192.786	1129.786	1084.787	1060.187
27.5	1229.985	1182.586	1119.587	1073.987	1048.187
28.0	1220.985	1172.986	1108.787	1063.187	1037.388
28.5	1211.985	1163.386	1097.987	1051.787	1026.588
29.0	1202.386	1153.186	1087.787	1040.388	1015.788
29.5	1192.186	1142.986	1076.987	1028.988	1004.988
30.0	1182.586	1132.786	1066.187	1018.188	993.588
30.5	1172.386	1123.187	1055.987	1007.388	982.188
31.0	1162.186	1112.987	1045.187	995.988	970.788
31.5	1151.386	1102.187	1033.788	984.588	959.988
32.0	1141.186	1091.987	1022.988	973.188	948.589
32.5	1130.386	1081.187	1012.188	961.788	937.189
33.0	1120.187	1070.387	1000.788	950.389	925.789
33.5	1109.387	1059.587	989.988	939.589	914.389
34.0	1098.587	1048.787	979.188	928.189	902.989
34.5	1088.387	1037.388	967.188	916.789	891.589
35.0	1077.587	1026.588	956.389	904.789	880.189
35.5	1066.787	1015.188	944.989	893.389	869.390
36.0	1055.387	1004.388	934.189	882.589	857.990
36.5	1044.587	992.988	922.789	871.190	847.190
37.0	1033.788	981.588	911.389	859.190	835.790
37.5	1022.388	970.188	899.989	848.390	825.590
38.0	1011.588	958.789	888.589	836.990	814.190
38.5	1000.188	947.389	877.789	826.190	803.390
39.0	988.788	935.989	865.790	814.790	792.591
39.5	977.388	924.589	854.390	803.990	781.791
40.0	965.388	913.189	842.990	792.591	770.991
40.5	953.389	901.789	831.590	782.391	760.791
41.0	941.989	890.389	820.190	771.591	749.391
41.5	929.989	878.389	808.790	760.791	738.591
42.0	917.989	866.990	797.990	749.391	728.391
42.5	906.589	854.990	786.591	738.591	717.591
43.0	894.589	843.590	775.791	728.391	707.392
43.5	882.589	831.590	763.791	718.191	697.192
44.0	870.590	820.190	752.991	707.392	686.992
44.5	858.590	808.790	741.591	696.592	676.792
45.0	847.190	796.790	730.791	686.392	666.592
45.5	835.190	785.391	719.991	676.192	656.392
46.0	823.190	773.991	709.192	665.992	646.792
46.5	811.790	761.991	697.792	655.792	636.592
47.0	799.790	750.591	686.992	645.592	626.992
47.5	788.391	739.191	676.792	634.792	617.393
48.0	776.391	727.791	665.992	625.193	607.193
48.5	764.391	716.391	655.792	614.993	597.953
49.0	752.991	704.392	644.392	605.393	588.293
49.5	740.991	692.992	634.192	595.133	578.633
50.0	729.591	682.192	623.393	585.113	568.973
50.5	717.591	670.792	613.193	575.633	559.793
51.0	706.192	659.392	602.393	566.333	550.673
51.5	694.192	647.992	592.253	556.853	540.714
52.0	682.792	637.192	581.693	547.073	531.354
52.5	670.792	625.793	571.253	537.294	522.354
53.0	659.392	614.993	560.933	527.634	512.754
53.5	647.392	604.193	551.093	518.574	504.054
54.0	635.992	592.853	541.134	509.634	494.874
54.5	624.593	581.753	530.994	500.454	485.874

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX2-4-L10-930-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	612.593	570.893	520.914	490.974	476.874
55.5	601.193	560.153	511.134	481.374	467.694
56.0	589.733	549.473	501.594	472.134	458.995
56.5	578.513	538.914	491.874	463.434	450.355
57.0	567.233	528.234	482.274	454.855	442.075
57.5	556.193	517.794	472.974	445.795	433.495
58.0	545.213	507.534	463.494	436.555	424.675
58.5	534.594	497.274	453.835	427.495	416.095
59.0	523.734	487.314	444.235	418.735	408.055
59.5	513.054	477.354	434.875	410.155	399.775
60.0	502.314	467.514	425.875	401.815	391.255
60.5	491.874	457.675	416.995	393.415	382.915
61.0	481.494	447.775	407.995	384.835	374.876
61.5	471.054	437.875	398.635	376.195	366.596
62.0	460.614	428.275	389.515	367.676	358.316
62.5	450.235	418.795	380.875	359.456	350.276
63.0	439.795	409.135	372.596	351.416	342.416
63.5	429.295	399.535	364.316	343.856	334.556
64.0	418.855	389.875	355.796	336.296	326.696
64.5	408.415	380.275	346.976	328.136	319.016
65.0	397.915	370.796	338.336	319.616	311.456
65.5	387.475	361.256	330.176	311.936	304.016
66.0	377.095	351.716	322.196	305.036	296.876
66.5	366.656	342.236	314.096	297.956	289.617
67.0	356.276	332.876	305.636	290.277	282.177
67.5	345.956	323.576	297.116	281.997	274.617
68.0	335.636	314.156	288.597	273.477	266.877
68.5	325.436	304.796	280.137	265.557	259.197
69.0	315.356	295.436	272.097	258.177	251.757
69.5	305.276	286.317	264.177	250.857	244.257
70.0	295.256	277.197	255.777	242.817	236.337
70.5	285.417	268.017	247.197	234.177	228.477
71.0	275.517	258.837	238.737	225.897	220.737
71.5	265.797	249.777	230.457	218.457	213.237
72.0	256.137	241.017	222.537	211.557	205.978
72.5	246.597	232.377	214.917	204.418	199.018
73.0	237.237	223.797	207.178	196.798	191.938
73.5	227.937	215.157	199.198	189.178	184.618
74.0	218.817	206.638	191.218	181.858	177.658
74.5	209.817	198.298	183.658	174.958	171.118
75.0	200.998	190.198	176.398	168.178	164.398
75.5	192.298	182.158	169.258	161.338	157.498
76.0	183.718	174.178	161.938	154.558	150.958
76.5	175.258	166.138	154.678	147.598	144.538
77.0	166.858	158.278	147.358	140.758	137.878
77.5	158.638	150.538	140.398	134.038	131.098
78.0	150.418	142.858	133.618	127.498	124.679
78.5	142.318	135.298	126.838	121.019	118.559
79.0	134.458	127.918	120.059	114.659	112.499
79.5	126.658	120.659	113.399	108.419	106.499
80.0	119.039	113.519	106.919	102.179	100.439
80.5	111.479	106.499	100.499	95.999	94.259
81.0	104.159	99.599	94.019	89.939	88.199
81.5	97.019	92.879	87.779	84.059	82.439
82.0	89.999	86.399	81.839	78.419	76.919
82.5	83.159	80.039	75.959	72.959	71.579

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX2-4-L10-930-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	76.439	73.739	70.199	67.439	66.359
83.5	69.839	67.499	64.379	61.979	61.139
84.0	63.419	61.499	58.559	56.579	55.799
84.5	57.179	55.619	52.919	51.299	50.639
85.0	51.059	49.859	47.639	46.199	45.899
85.5	45.059	44.159	42.479	41.400	41.460
86.0	39.240	38.520	37.440	36.960	36.960
86.5	33.600	33.120	32.400	32.280	32.400
87.0	28.080	27.900	27.480	27.480	27.660
87.5	22.800	22.620	22.680	22.980	23.100
88.0	17.700	17.820	18.360	18.780	18.960
88.5	12.960	13.380	14.400	14.520	14.640
89.0	8.760	9.420	10.020	9.060	9.000
89.5	6.060	6.240	4.680	4.440	4.920
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX2-4-L10-930-DMA-DIM-UNV\_.IES

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-L10-930-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-L10-930-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-L10-930-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	518.15	N.A.	15.70
0-30	1060.8	N.A.	32.10
0-40	1664.94	N.A.	50.40
0-60	2714.65	N.A.	82.20
0-80	3248.38	N.A.	98.30
0-90	3303.05	N.A.	100.00
10-90	3165.76	N.A.	95.80
20-40	1146.8	N.A.	34.70
20-50	1720.09	N.A.	52.10
40-70	1392.69	N.A.	42.20
60-80	533.73	N.A.	16.20
70-80	190.74	N.A.	5.80
80-90	54.67	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	3303.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	137.29
10-20	380.86
20-30	542.65
30-40	604.15
40-50	573.29
50-60	476.42
60-70	342.98
70-80	190.74
80-90	54.67
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-L10-930-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-L10-930-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	21.7	23.3	22.1	23.6	23.9	20.6	22.1	20.9	22.4	22.8
	3H	23.4	24.9	23.8	25.2	25.5	22.2	23.6	22.6	24.0	24.3
	4H	24.1	25.4	24.4	25.7	26.1	22.8	24.2	23.2	24.5	24.9
	6H	24.5	25.7	24.9	26.1	26.5	23.3	24.5	23.7	24.9	25.3
	8H	24.7	25.8	25.1	26.2	26.6	23.5	24.6	23.9	25.0	25.4
	12H	24.7	25.9	25.2	26.2	26.7	23.6	24.7	24.0	25.1	25.5

UGR Viewed Endwise

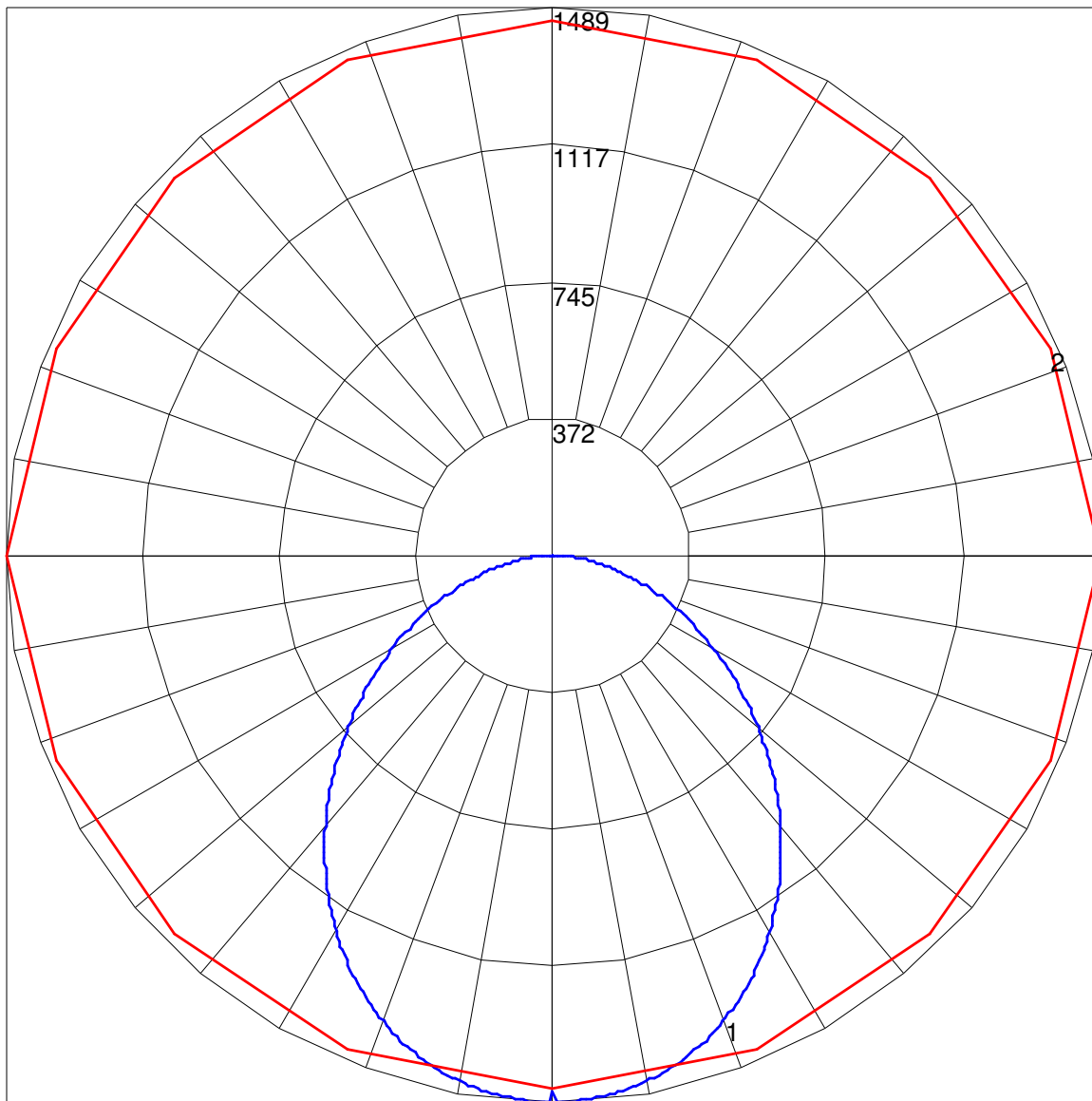
4H	2H	22.2	23.5	22.6	23.8	24.2	21.2	22.6	21.6	22.9	23.3
	3H	24.1	25.2	24.5	25.6	26.0	23.1	24.2	23.5	24.6	25.0
	4H	24.9	25.9	25.3	26.3	26.7	23.8	24.8	24.3	25.3	25.7
	6H	25.5	26.3	25.9	26.8	27.2	24.4	25.3	24.9	25.7	26.2
	8H	25.6	26.5	26.1	26.9	27.4	24.6	25.4	25.1	25.9	26.3
	12H	25.8	26.5	26.3	27.0	27.5	24.8	25.5	25.3	26.0	26.5

8H	4H	25.1	25.9	25.5	26.3	26.8	24.2	25.0	24.6	25.4	25.9
	6H	25.8	26.5	26.3	26.9	27.4	24.9	25.6	25.4	26.0	26.5
	8H	26.0	26.6	26.5	27.2	27.6	25.1	25.8	25.6	26.3	26.7
	12H	26.3	26.8	26.8	27.3	27.8	25.4	25.9	25.9	26.4	27.0

12H	4H	25.1	25.8	25.6	26.3	26.8	24.2	24.9	24.7	25.4	25.9
	6H	25.8	26.4	26.3	26.9	27.4	24.9	25.6	25.5	26.0	26.6
	8H	26.1	26.7	26.6	27.2	27.7	25.3	25.8	25.8	26.3	26.9

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 1489.182 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.)