



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L10-940-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-L10-940-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	3464
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	20229	17449	15916
55	18032	15334	14037
65	15897	13517	12443
75	13112	11507	10724
85	9891	9229	8892

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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	1534.767	1534.767	1534.767	1534.767	1534.767
0.5	1561.825	1536.025	1527.216	1530.991	1523.440
1.0	1561.825	1535.396	1527.216	1530.991	1522.811
1.5	1561.196	1535.396	1526.587	1530.362	1522.182
2.0	1560.567	1534.138	1525.328	1529.733	1520.294
2.5	1559.937	1532.879	1524.699	1527.845	1519.035
3.0	1558.679	1531.621	1522.811	1526.587	1516.518
3.5	1557.420	1530.362	1520.923	1524.069	1514.001
4.0	1556.162	1529.104	1519.035	1522.182	1512.114
4.5	1554.903	1527.216	1517.148	1519.665	1508.967
5.0	1553.645	1525.328	1514.001	1516.518	1505.821
5.5	1551.128	1522.811	1511.484	1512.743	1501.416
6.0	1549.240	1520.294	1508.338	1509.596	1497.641
6.5	1547.352	1518.406	1505.192	1505.192	1493.236
7.0	1544.835	1515.260	1502.045	1500.787	1488.831
7.5	1542.318	1512.743	1498.270	1496.382	1483.797
8.0	1539.801	1508.967	1494.494	1491.348	1479.392
8.5	1536.655	1505.821	1490.089	1486.314	1473.729
9.0	1533.508	1502.675	1485.685	1480.650	1468.065
9.5	1530.362	1498.899	1480.650	1474.358	1461.773
10.0	1527.216	1495.123	1475.616	1468.695	1456.109
10.5	1523.440	1491.348	1470.582	1462.402	1448.558
11.0	1519.665	1486.943	1464.919	1456.109	1441.636
11.5	1515.260	1482.538	1459.256	1449.187	1434.714
12.0	1510.855	1477.504	1452.963	1442.266	1427.163
12.5	1507.079	1472.470	1446.670	1434.714	1418.983
13.0	1502.045	1467.436	1440.378	1427.163	1411.432
13.5	1497.011	1461.773	1433.456	1418.983	1403.251
14.0	1492.606	1456.109	1427.163	1411.432	1395.071
14.5	1486.943	1450.446	1419.612	1403.251	1386.261
15.0	1481.909	1444.783	1412.690	1394.442	1378.081
15.5	1476.246	1438.490	1404.510	1385.632	1368.642
16.0	1471.841	1432.827	1396.959	1376.822	1359.203
16.5	1467.436	1426.534	1388.778	1367.384	1349.764
17.0	1461.773	1420.241	1380.598	1357.945	1340.325
17.5	1453.592	1413.949	1372.418	1348.506	1330.257
18.0	1446.041	1408.285	1364.237	1338.438	1319.560
18.5	1438.490	1400.734	1355.428	1328.369	1308.862
19.0	1432.197	1392.554	1346.618	1317.672	1298.165
19.5	1425.276	1384.374	1337.808	1306.975	1286.838
20.0	1418.354	1376.193	1328.369	1296.906	1274.882
20.5	1410.803	1368.013	1319.560	1286.209	1263.556
21.0	1403.251	1360.462	1310.121	1274.882	1251.600
21.5	1395.700	1352.281	1300.682	1264.185	1240.273
22.0	1387.520	1343.472	1290.614	1252.858	1228.317
22.5	1379.969	1335.291	1281.175	1240.902	1216.990
23.0	1371.159	1326.482	1272.365	1229.575	1205.664
23.5	1362.979	1317.043	1262.297	1218.249	1193.708
24.0	1354.169	1308.233	1250.970	1206.922	1182.381
24.5	1345.359	1298.794	1240.273	1195.595	1170.425
25.0	1336.550	1289.984	1228.946	1183.639	1158.469
25.5	1327.740	1279.916	1218.249	1172.313	1146.513
26.0	1318.301	1270.477	1206.922	1160.357	1135.186
26.5	1309.492	1260.409	1196.225	1149.030	1123.860

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**CANDELA TABULATION - (Cont.)**

27.0	1299.423	1250.970	1184.898	1137.703	1111.904
27.5	1289.984	1240.273	1174.201	1126.377	1099.318
28.0	1280.546	1230.205	1162.874	1115.050	1087.992
28.5	1271.107	1220.137	1151.547	1103.094	1076.665
29.0	1261.038	1209.439	1140.850	1091.138	1065.338
29.5	1250.341	1198.742	1129.523	1079.182	1054.012
30.0	1240.273	1188.044	1118.196	1067.855	1042.056
30.5	1229.575	1177.976	1107.499	1056.529	1030.100
31.0	1218.878	1167.279	1096.172	1044.573	1018.144
31.5	1207.551	1155.952	1084.216	1032.617	1006.817
32.0	1196.854	1145.255	1072.890	1020.661	994.861
32.5	1185.527	1133.928	1061.563	1008.705	982.905
33.0	1174.830	1122.601	1049.607	996.749	970.949
33.5	1163.503	1111.274	1038.280	985.422	958.993
34.0	1152.176	1099.948	1026.953	973.466	947.037
34.5	1141.479	1087.992	1014.368	961.510	935.081
35.0	1130.152	1076.665	1003.042	948.925	923.125
35.5	1118.826	1064.709	991.086	936.969	911.799
36.0	1106.870	1053.382	979.759	925.643	899.843
36.5	1095.543	1041.426	967.803	913.687	888.516
37.0	1084.216	1029.471	955.847	901.101	876.560
37.5	1072.260	1017.515	943.891	889.775	865.863
38.0	1060.934	1005.559	931.935	877.819	853.907
38.5	1048.978	993.603	920.608	866.492	842.580
39.0	1037.022	981.647	908.023	854.536	831.253
39.5	1025.066	969.691	896.067	843.209	819.927
40.0	1012.480	957.735	884.111	831.253	808.600
40.5	999.895	945.779	872.155	820.556	797.903
41.0	987.939	933.823	860.199	809.229	785.947
41.5	975.354	921.238	848.243	797.903	774.620
42.0	962.769	909.282	836.917	785.947	763.923
42.5	950.813	896.697	824.961	774.620	752.596
43.0	938.228	884.741	813.634	763.923	741.898
43.5	925.643	872.155	801.049	753.225	731.201
44.0	913.057	860.199	789.722	741.898	720.504
44.5	900.472	848.243	777.766	730.572	709.806
45.0	888.516	835.658	766.440	719.874	699.109
45.5	875.931	823.702	755.113	709.177	688.411
46.0	863.346	811.746	743.786	698.479	678.343
46.5	851.390	799.161	731.830	687.782	667.646
47.0	838.805	787.205	720.504	677.085	657.577
47.5	826.849	775.249	709.806	665.758	647.509
48.0	814.263	763.293	698.479	655.690	636.812
48.5	801.678	751.337	687.782	644.992	627.121
49.0	789.722	738.752	675.826	634.924	616.990
49.5	777.137	726.796	665.129	624.164	606.859
50.0	765.181	715.469	653.802	613.655	596.728
50.5	752.596	703.513	643.104	603.713	587.100
51.0	740.640	691.558	631.778	593.959	577.535
51.5	728.055	679.602	621.143	584.017	567.090
52.0	716.099	668.275	610.068	573.760	557.273
52.5	703.513	656.319	599.119	563.503	547.834
53.0	691.558	644.992	588.296	553.372	537.766
53.5	678.972	633.666	577.976	543.870	528.642
54.0	667.016	621.773	567.530	534.494	519.014
54.5	655.060	610.131	556.896	524.866	509.575

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**CANDELA TABULATION - (Cont.)**

55.0	642.475	598.742	546.324	514.924	500.136
55.5	630.519	587.478	536.067	504.856	490.509
56.0	618.500	576.277	526.062	495.165	481.384
56.5	606.733	565.202	515.868	486.041	472.323
57.0	594.903	554.001	505.800	477.043	463.639
57.5	583.325	543.052	496.046	467.541	454.641
58.0	571.809	532.292	486.104	457.850	445.391
58.5	560.671	521.531	475.973	448.348	436.392
59.0	549.282	511.086	465.905	439.161	427.960
59.5	538.081	500.640	456.088	430.163	419.276
60.0	526.817	490.320	446.649	421.416	410.341
60.5	515.868	480.000	437.336	412.606	401.594
61.0	504.982	469.617	427.897	403.608	393.162
61.5	494.033	459.234	418.081	394.546	384.478
62.0	483.083	449.166	408.516	385.611	375.795
62.5	472.197	439.224	399.455	376.990	367.362
63.0	461.248	429.093	390.771	368.558	359.119
63.5	450.236	419.025	382.087	360.629	350.876
64.0	439.287	408.894	373.152	352.701	342.632
64.5	428.338	398.825	363.901	344.143	334.578
65.0	417.326	388.883	354.840	335.207	326.649
65.5	406.377	378.878	346.282	327.153	318.846
66.0	395.490	368.873	337.913	319.916	311.358
66.5	384.541	358.930	329.418	312.491	303.744
67.0	373.655	349.114	320.545	304.436	295.941
67.5	362.832	339.360	311.610	295.753	288.013
68.0	352.008	329.481	302.674	286.817	279.895
68.5	341.311	319.664	293.802	278.511	271.841
69.0	330.739	309.848	285.370	270.771	264.038
69.5	320.168	300.283	277.063	263.094	256.172
70.0	309.659	290.718	268.254	254.662	247.866
70.5	299.339	281.091	259.255	245.600	239.622
71.0	288.957	271.463	250.383	236.917	231.505
71.5	278.762	261.961	241.699	229.114	223.639
72.0	268.631	252.774	233.393	221.877	216.025
72.5	258.626	243.713	225.401	214.389	208.726
73.0	248.810	234.714	217.284	206.398	201.301
73.5	239.056	225.653	208.915	198.406	193.624
74.0	229.491	216.717	200.545	190.729	186.324
74.5	220.052	207.971	192.617	183.492	179.465
75.0	210.802	199.476	185.003	176.382	172.417
75.5	201.678	191.044	177.514	169.208	165.181
76.0	192.680	182.674	169.837	162.098	158.322
76.5	183.807	174.242	162.223	154.798	151.589
77.0	174.997	165.999	154.546	147.625	144.604
77.5	166.377	157.882	147.247	140.577	137.493
78.0	157.756	149.827	140.136	133.718	130.760
78.5	149.261	141.898	133.026	126.922	124.342
79.0	141.017	134.158	125.915	120.252	117.986
79.5	132.837	126.544	118.930	113.707	111.694
80.0	124.845	119.056	112.134	107.163	105.338
80.5	116.917	111.694	105.401	100.682	98.857
81.0	109.240	104.457	98.605	94.326	92.501
81.5	101.751	97.410	92.061	88.159	86.460
82.0	94.389	90.614	85.831	82.244	80.671
82.5	87.216	83.943	79.664	76.518	75.071

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**CANDELA TABULATION - (Cont.)**

83.0	80.168	77.336	73.624	70.729	69.596
83.5	73.246	70.792	67.520	65.003	64.122
84.0	66.513	64.499	61.416	59.339	58.521
84.5	59.969	58.332	55.501	53.802	53.110
85.0	53.550	52.292	49.963	48.453	48.138
85.5	47.257	46.314	44.552	43.419	43.482
86.0	41.154	40.399	39.266	38.762	38.762
86.5	35.239	34.735	33.980	33.854	33.980
87.0	29.449	29.261	28.820	28.820	29.009
87.5	23.912	23.723	23.786	24.101	24.227
88.0	18.563	18.689	19.255	19.696	19.885
88.5	13.592	14.033	15.102	15.228	15.354
89.0	9.187	9.879	10.509	9.502	9.439
89.5	6.356	6.544	4.908	4.657	5.160
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-L10-940-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-L10-940-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-L10-940-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	543.42	N.A.	15.70
0-30	1112.54	N.A.	32.10
0-40	1746.16	N.A.	50.40
0-60	2847.08	N.A.	82.20
0-80	3406.84	N.A.	98.30
0-90	3464.18	N.A.	100.00
10-90	3320.19	N.A.	95.80
20-40	1202.74	N.A.	34.70
20-50	1804.00	N.A.	52.10
40-70	1460.63	N.A.	42.20
60-80	559.76	N.A.	16.20
70-80	200.05	N.A.	5.80
80-90	57.34	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	3464.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	143.99
10-20	399.44
20-30	569.12
30-40	633.62
40-50	601.26
50-60	499.66
60-70	359.71
70-80	200.05
80-90	57.34
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-L10-940-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-L10-940-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	21.8	23.4	22.2	23.7	24.0	20.7	22.2	21.0	22.5	22.9
	3H	23.5	25.0	23.9	25.3	25.6	22.3	23.7	22.7	24.1	24.4
	4H	24.2	25.5	24.6	25.8	26.2	22.9	24.3	23.3	24.6	25.0
	6H	24.6	25.8	25.0	26.2	26.6	23.4	24.6	23.8	25.0	25.4
	8H	24.8	25.9	25.2	26.3	26.7	23.6	24.7	24.0	25.1	25.5
	12H	24.8	26.0	25.3	26.3	26.8	23.7	24.8	24.1	25.2	25.6

UGR Viewed Endwise

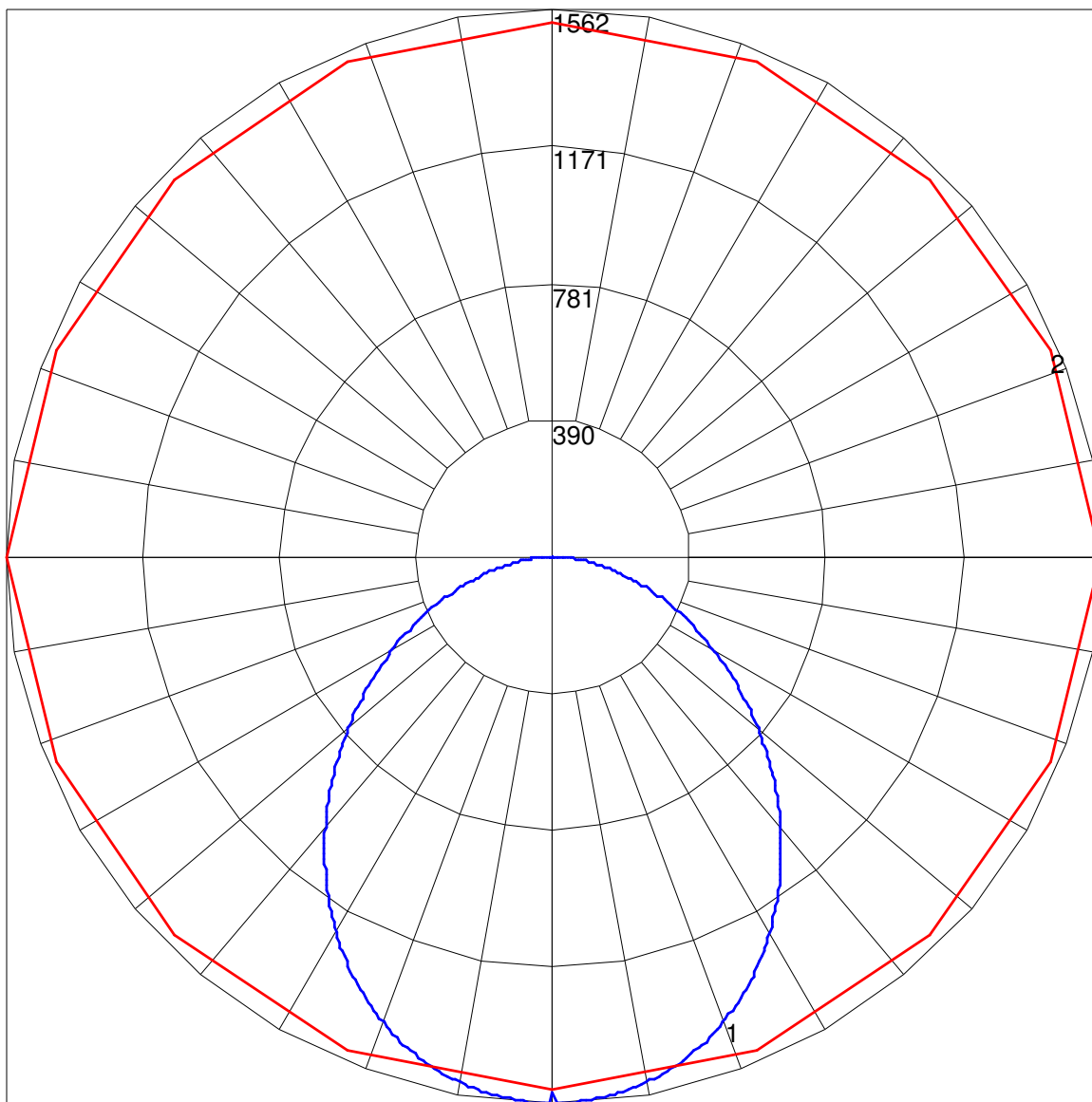
4H	2H	22.3	23.6	22.7	23.9	24.3	21.3	22.7	21.7	23.0	23.4
	3H	24.2	25.3	24.6	25.7	26.1	23.2	24.3	23.6	24.7	25.1
	4H	25.0	26.0	25.4	26.4	26.8	23.9	24.9	24.4	25.4	25.8
	6H	25.6	26.4	26.0	26.9	27.3	24.5	25.4	25.0	25.8	26.3
	8H	25.7	26.6	26.2	27.0	27.5	24.7	25.5	25.2	26.0	26.5
	12H	25.9	26.6	26.4	27.1	27.6	24.9	25.6	25.4	26.1	26.6

8H	4H	25.2	26.0	25.6	26.4	26.9	24.3	25.1	24.7	25.5	26.0
	6H	25.9	26.6	26.4	27.0	27.5	25.0	25.7	25.5	26.1	26.6
	8H	26.1	26.7	26.6	27.3	27.7	25.2	25.9	25.7	26.4	26.8
	12H	26.4	26.9	26.9	27.4	28.0	25.5	26.0	26.0	26.5	27.1

12H	4H	25.2	25.9	25.7	26.4	26.9	24.3	25.0	24.8	25.5	26.0
	6H	25.9	26.5	26.4	27.0	27.5	25.0	25.7	25.6	26.1	26.7
	8H	26.2	26.8	26.7	27.3	27.8	25.4	25.9	25.9	26.4	27.0

Maximum UGR = 28.0

POLAR GRAPH



Maximum Candela = 1561.825 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.)