



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L8-830-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] LRX2-4-L8-830-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	3168
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	18500	15958	14556
55	16491	14023	12838
65	14538	12361	11379
75	11991	10524	9808
85	9046	8440	8132

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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	1403.588	1403.588	1403.588	1403.588	1403.588
0.5	1428.333	1404.739	1396.682	1400.135	1393.229
1.0	1428.333	1404.163	1396.682	1400.135	1392.654
1.5	1427.758	1404.163	1396.107	1399.560	1392.078
2.0	1427.183	1403.012	1394.956	1398.984	1390.352
2.5	1426.607	1401.862	1394.380	1397.258	1389.201
3.0	1425.456	1400.711	1392.654	1396.107	1386.899
3.5	1424.305	1399.560	1390.927	1393.805	1384.597
4.0	1423.154	1398.409	1389.201	1392.078	1382.871
4.5	1422.003	1396.682	1387.475	1389.777	1379.993
5.0	1420.852	1394.956	1384.597	1386.899	1377.116
5.5	1418.550	1392.654	1382.295	1383.446	1373.088
6.0	1416.824	1390.352	1379.418	1380.569	1369.635
6.5	1415.098	1388.626	1376.541	1376.541	1365.607
7.0	1412.796	1385.748	1373.663	1372.512	1361.578
7.5	1410.494	1383.446	1370.210	1368.484	1356.974
8.0	1408.192	1379.993	1366.757	1363.880	1352.946
8.5	1405.314	1377.116	1362.729	1359.276	1347.767
9.0	1402.437	1374.239	1358.701	1354.097	1342.587
9.5	1399.560	1370.786	1354.097	1348.342	1336.833
10.0	1396.682	1367.333	1349.493	1343.163	1331.653
10.5	1393.229	1363.880	1344.889	1337.408	1324.748
11.0	1389.777	1359.852	1339.710	1331.653	1318.417
11.5	1385.748	1355.823	1334.531	1325.323	1312.087
12.0	1381.720	1351.220	1328.776	1318.993	1305.181
12.5	1378.267	1346.616	1323.021	1312.087	1297.700
13.0	1373.663	1342.012	1317.266	1305.181	1290.795
13.5	1369.059	1336.833	1310.936	1297.700	1283.313
14.0	1365.031	1331.653	1305.181	1290.795	1275.832
14.5	1359.852	1326.474	1298.276	1283.313	1267.775
15.0	1355.248	1321.295	1291.945	1275.257	1260.294
15.5	1350.069	1315.540	1284.464	1267.200	1251.662
16.0	1346.040	1310.361	1277.559	1259.143	1243.030
16.5	1342.012	1304.606	1270.077	1250.511	1234.398
17.0	1336.833	1298.851	1262.596	1241.879	1225.766
17.5	1329.351	1293.096	1255.115	1233.247	1216.558
18.0	1322.446	1287.917	1247.634	1224.039	1206.775
18.5	1315.540	1281.011	1239.577	1214.832	1196.992
19.0	1309.785	1273.530	1231.520	1205.048	1187.209
19.5	1303.455	1266.049	1223.464	1195.265	1176.850
20.0	1297.125	1258.568	1214.832	1186.058	1165.916
20.5	1290.219	1251.087	1206.775	1176.275	1155.557
21.0	1283.313	1244.181	1198.143	1165.916	1144.623
21.5	1276.408	1236.700	1189.511	1156.133	1134.265
22.0	1268.926	1228.643	1180.303	1145.774	1123.331
22.5	1262.021	1221.162	1171.671	1134.840	1112.972
23.0	1253.964	1213.105	1163.614	1124.482	1102.614
23.5	1246.483	1204.473	1154.407	1114.123	1091.680
24.0	1238.426	1196.416	1144.048	1103.765	1081.321
24.5	1230.369	1187.784	1134.265	1093.406	1070.387
25.0	1222.313	1179.727	1123.906	1082.472	1059.453
25.5	1214.256	1170.520	1114.123	1072.113	1048.519
26.0	1205.624	1161.888	1103.765	1061.179	1038.160
26.5	1197.567	1152.680	1093.981	1050.821	1027.802

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CANDELA TABULATION - (Cont.)

27.0	1188.360	1144.048	1083.623	1040.462	1016.868
27.5	1179.727	1134.265	1073.840	1030.104	1005.358
28.0	1171.095	1125.057	1063.481	1019.745	994.999
28.5	1162.463	1115.850	1053.123	1008.811	984.641
29.0	1153.256	1106.066	1043.339	997.877	974.282
29.5	1143.472	1096.283	1032.981	986.943	963.924
30.0	1134.265	1086.500	1022.622	976.584	952.990
30.5	1124.482	1077.293	1012.839	966.226	942.056
31.0	1114.699	1067.510	1002.481	955.292	931.122
31.5	1104.340	1057.151	991.547	944.357	920.763
32.0	1094.557	1047.368	981.188	933.423	909.829
32.5	1084.198	1037.009	970.829	922.489	898.895
33.0	1074.415	1026.651	959.895	911.555	887.961
33.5	1064.057	1016.292	949.537	901.197	877.027
34.0	1053.698	1005.933	939.178	890.263	866.093
34.5	1043.915	994.999	927.669	879.329	855.159
35.0	1033.556	984.641	917.310	867.819	844.225
35.5	1023.198	973.707	906.376	856.885	833.866
36.0	1012.264	963.348	896.017	846.526	822.932
36.5	1001.905	952.414	885.083	835.592	812.573
37.0	991.547	941.480	874.149	824.083	801.639
37.5	980.613	930.546	863.215	813.724	791.856
38.0	970.254	919.612	852.281	802.790	780.922
38.5	959.320	908.678	841.923	792.432	770.563
39.0	948.386	897.744	830.413	781.498	760.205
39.5	937.452	886.810	819.479	771.139	749.846
40.0	925.942	875.876	808.545	760.205	739.488
40.5	914.433	864.942	797.611	750.422	729.705
41.0	903.499	854.008	786.677	740.063	718.771
41.5	891.989	842.498	775.743	729.705	708.412
42.0	880.480	831.564	765.384	718.771	698.629
42.5	869.545	820.054	754.450	708.412	688.270
43.0	858.036	809.120	744.092	698.629	678.487
43.5	846.526	797.611	732.582	688.846	668.704
44.0	835.017	786.677	722.223	678.487	658.921
44.5	823.507	775.743	711.289	668.129	649.138
45.0	812.573	764.233	700.931	658.345	639.355
45.5	801.064	753.299	690.572	648.562	629.572
46.0	789.554	742.365	680.214	638.779	620.364
46.5	778.620	730.856	669.280	628.996	610.581
47.0	767.111	719.922	658.921	619.213	601.373
47.5	756.177	708.987	649.138	608.854	592.166
48.0	744.667	698.053	638.779	599.647	582.383
48.5	733.157	687.119	628.996	589.864	573.520
49.0	722.223	675.610	618.062	580.656	564.255
49.5	710.714	664.676	608.279	570.815	554.990
50.0	699.780	654.317	597.920	561.205	545.725
50.5	688.270	643.383	588.137	552.112	536.920
51.0	677.336	632.449	577.779	543.193	528.173
51.5	665.827	621.515	568.053	534.100	518.620
52.0	654.893	611.156	557.925	524.720	509.642
52.5	643.383	600.222	547.911	515.339	501.010
53.0	632.449	589.864	538.013	506.074	491.802
53.5	620.939	579.505	528.575	497.385	483.458
54.0	610.005	568.629	519.023	488.810	474.653
54.5	599.071	557.982	509.297	480.005	466.021

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CANDELA TABULATION - (Cont.)

55.0	587.562	547.566	499.629	470.913	457.389
55.5	576.628	537.265	490.249	461.705	448.584
56.0	565.636	527.022	481.099	452.843	440.240
56.5	554.875	516.893	471.776	444.498	431.953
57.0	544.056	506.650	462.568	436.269	424.011
57.5	533.467	496.637	453.648	427.579	415.782
58.0	522.936	486.796	444.556	418.717	407.322
58.5	512.750	476.955	435.291	410.027	399.093
59.0	502.334	467.402	426.083	401.625	391.382
59.5	492.090	457.849	417.106	393.396	383.440
60.0	481.789	448.412	408.473	385.397	375.268
60.5	471.776	438.974	399.956	377.340	367.269
61.0	461.820	429.478	391.324	369.111	359.558
61.5	451.807	419.983	382.347	360.824	351.616
62.0	441.794	410.775	373.600	352.652	343.675
62.5	431.838	401.683	365.313	344.768	335.963
63.0	421.825	392.418	357.371	337.057	328.425
63.5	411.754	383.210	349.430	329.806	320.886
64.0	401.740	373.945	341.258	322.555	313.347
64.5	391.727	364.737	332.798	314.728	305.981
65.0	381.656	355.645	324.511	306.557	298.730
65.5	371.643	346.495	316.685	299.190	291.594
66.0	361.687	337.345	309.031	292.572	284.746
66.5	351.674	328.252	301.262	285.782	277.783
67.0	341.718	319.275	293.148	278.416	270.647
67.5	331.820	310.355	284.976	270.474	263.396
68.0	321.922	301.320	276.804	262.302	255.972
68.5	312.139	292.342	268.690	254.706	248.606
69.0	302.471	283.365	260.979	247.628	241.470
69.5	292.803	274.618	253.382	240.607	234.277
70.0	283.192	265.870	245.326	232.895	226.680
70.5	273.754	257.065	237.096	224.609	219.142
71.0	264.259	248.261	228.982	216.667	211.718
71.5	254.936	239.571	221.041	209.531	204.524
72.0	245.671	231.169	213.444	202.913	197.561
72.5	236.521	222.882	206.136	196.065	190.886
73.0	227.544	214.653	198.712	188.756	184.095
73.5	218.624	206.366	191.058	181.448	177.074
74.0	209.876	198.194	183.404	174.427	170.399
74.5	201.244	190.195	176.153	167.809	164.126
75.0	192.785	182.426	169.190	161.306	157.681
75.5	184.440	174.715	162.342	154.746	151.063
76.0	176.211	167.061	155.321	148.243	144.790
76.5	168.097	159.350	148.358	141.567	138.632
77.0	160.040	151.811	141.337	135.007	132.245
77.5	152.156	144.387	134.662	128.562	125.742
78.0	144.272	137.021	128.159	122.289	119.584
78.5	136.503	129.770	121.656	116.074	113.714
79.0	128.964	122.692	115.153	109.974	107.902
79.5	121.483	115.728	108.765	103.989	102.147
80.0	114.175	108.880	102.550	98.004	96.335
80.5	106.924	102.147	96.392	92.076	90.407
81.0	99.903	95.529	90.177	86.264	84.595
81.5	93.055	89.084	84.192	80.624	79.071
82.0	86.322	82.869	78.495	75.215	73.776
82.5	79.761	76.769	72.855	69.978	68.654

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CANDELA TABULATION - (Cont.)

83.0	73.316	70.726	67.331	64.684	63.648
83.5	66.986	64.741	61.749	59.447	58.641
84.0	60.828	58.986	56.167	54.267	53.519
84.5	54.843	53.347	50.757	49.203	48.570
85.0	48.973	47.822	45.693	44.312	44.024
85.5	43.218	42.355	40.744	39.708	39.765
86.0	37.636	36.946	35.910	35.449	35.449
86.5	32.227	31.766	31.076	30.961	31.076
87.0	26.932	26.760	26.357	26.357	26.529
87.5	21.868	21.695	21.753	22.041	22.156
88.0	16.977	17.092	17.610	18.012	18.185
88.5	12.430	12.833	13.811	13.927	14.042
89.0	8.402	9.035	9.610	8.690	8.632
89.5	5.812	5.985	4.489	4.259	4.719
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-L8-830-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 : LRX2-4-L8-830-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 : LRX2-4-L8-830-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	496.98	N.A.	15.70
0-30	1017.45	N.A.	32.10
0-40	1596.91	N.A.	50.40
0-60	2603.73	N.A.	82.20
0-80	3115.65	N.A.	98.30
0-90	3168.09	N.A.	100.00
10-90	3036.41	N.A.	95.80
20-40	1099.94	N.A.	34.70
20-50	1649.81	N.A.	52.10
40-70	1335.79	N.A.	42.20
60-80	511.92	N.A.	16.20
70-80	182.95	N.A.	5.80
80-90	52.44	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	3168.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	131.68
10-20	365.30
20-30	520.48
30-40	579.46
40-50	549.87
50-60	456.95
60-70	328.97
70-80	182.95
80-90	52.44
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-L8-830-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	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-L8-830-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

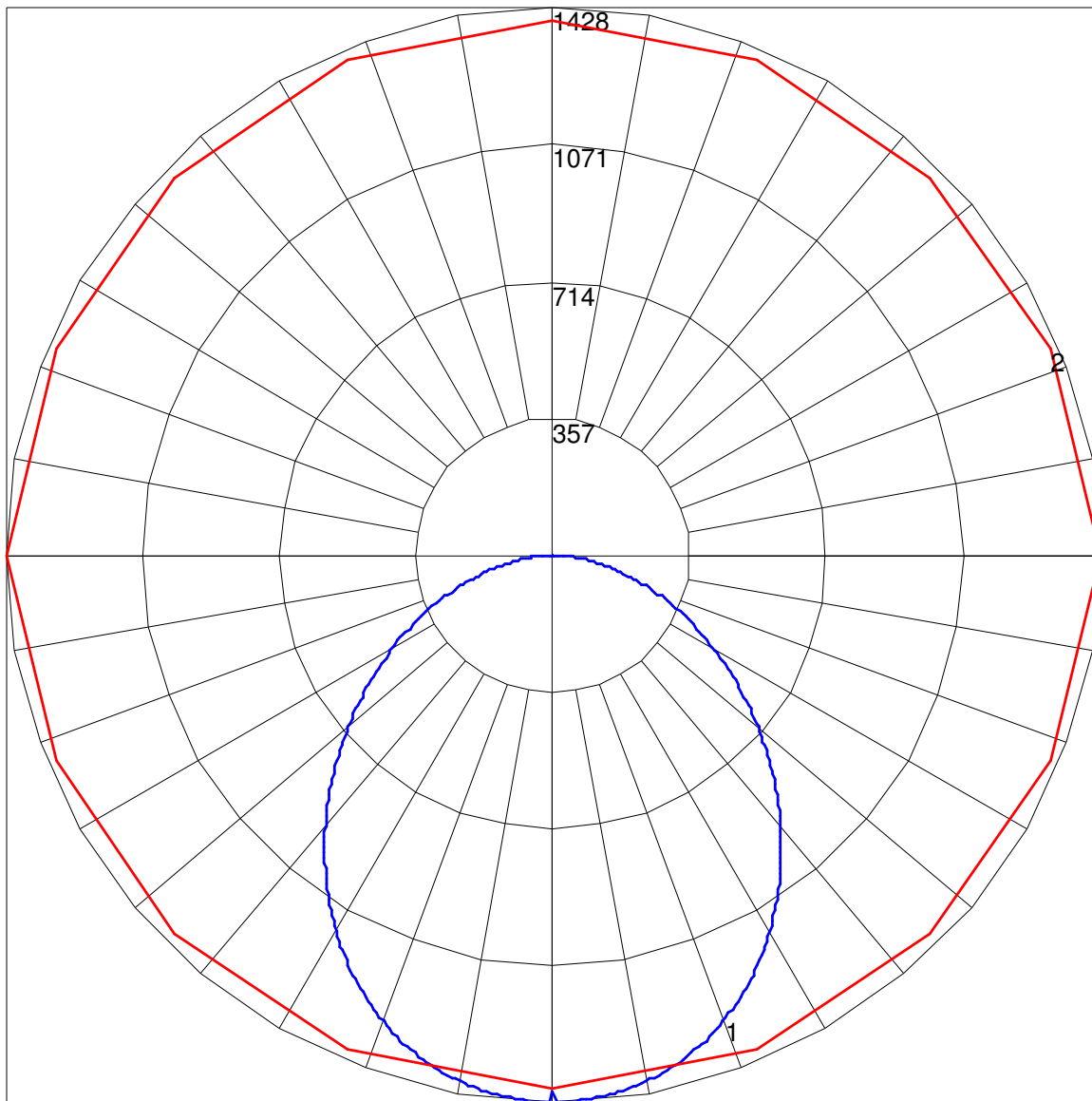
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	21.5	23.1	21.9	23.4	23.7	20.4	21.9	20.7	22.2	22.6
	3H	23.2	24.7	23.6	25.0	25.3	22.0	23.4	22.4	23.8	24.1
	4H	23.9	25.2	24.3	25.5	25.9	22.6	24.0	23.0	24.3	24.7
	6H	24.3	25.5	24.7	25.9	26.3	23.1	24.3	23.5	24.7	25.1
	8H	24.5	25.6	24.9	26.0	26.4	23.3	24.4	23.7	24.8	25.2
	12H	24.5	25.7	25.0	26.1	26.5	23.4	24.5	23.8	24.9	25.3
4H	2H	22.0	23.3	22.4	23.6	24.0	21.0	22.4	21.4	22.7	23.1
	3H	23.9	25.0	24.3	25.4	25.8	22.9	24.0	23.3	24.4	24.8
	4H	24.7	25.7	25.1	26.1	26.5	23.7	24.6	24.1	25.1	25.5
	6H	25.3	26.1	25.7	26.6	27.0	24.2	25.1	24.7	25.5	26.0
	8H	25.4	26.3	25.9	26.7	27.2	24.4	25.2	24.9	25.7	26.2
	12H	25.6	26.3	26.1	26.8	27.3	24.6	25.3	25.1	25.8	26.3
8H	4H	24.9	25.7	25.3	26.1	26.6	24.0	24.8	24.4	25.2	25.7
	6H	25.6	26.3	26.1	26.7	27.2	24.7	25.4	25.2	25.8	26.3
	8H	25.8	26.4	26.3	27.0	27.4	24.9	25.6	25.4	26.1	26.5
	12H	26.1	26.6	26.6	27.1	27.7	25.2	25.7	25.7	26.2	26.8
12H	4H	24.9	25.6	25.4	26.1	26.6	24.0	24.7	24.5	25.2	25.7
	6H	25.6	26.2	26.1	26.7	27.2	24.7	25.4	25.3	25.8	26.4
	8H	25.9	26.5	26.4	27.0	27.5	25.1	25.6	25.6	26.1	26.7

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 1428.333 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.)