



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L8-950-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-L8-950-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	2848
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
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	16631	14346	13086
55	14825	12607	11541
65	13070	11113	10230
75	10780	9461	8817
85	8132	7587	7310

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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	1261.811	1261.811	1261.811	1261.811	1261.811
0.5	1284.057	1262.846	1255.603	1258.707	1252.499
1.0	1284.057	1262.329	1255.603	1258.707	1251.982
1.5	1283.540	1262.329	1255.086	1258.190	1251.465
2.0	1283.023	1261.294	1254.051	1257.673	1249.912
2.5	1282.505	1260.259	1253.534	1256.121	1248.878
3.0	1281.471	1259.225	1251.982	1255.086	1246.808
3.5	1280.436	1258.190	1250.430	1253.017	1244.739
4.0	1279.401	1257.155	1248.878	1251.465	1243.187
4.5	1278.367	1255.603	1247.326	1249.395	1240.600
5.0	1277.332	1254.051	1244.739	1246.808	1238.013
5.5	1275.263	1251.982	1242.670	1243.704	1234.392
6.0	1273.710	1249.912	1240.083	1241.118	1231.288
6.5	1272.158	1248.360	1237.496	1237.496	1227.667
7.0	1270.089	1245.774	1234.909	1233.875	1224.045
7.5	1268.020	1243.704	1231.805	1230.253	1219.906
8.0	1265.950	1240.600	1228.701	1226.114	1216.285
8.5	1263.364	1238.013	1225.080	1221.976	1211.629
9.0	1260.777	1235.427	1221.458	1217.320	1206.973
9.5	1258.190	1232.323	1217.320	1212.146	1201.799
10.0	1255.603	1229.219	1213.181	1207.490	1197.143
10.5	1252.499	1226.114	1209.042	1202.316	1190.935
11.0	1249.395	1222.493	1204.386	1197.143	1185.244
11.5	1245.774	1218.872	1199.730	1191.452	1179.553
12.0	1242.152	1214.733	1194.556	1185.761	1173.345
12.5	1239.048	1210.594	1189.383	1179.553	1166.619
13.0	1234.909	1206.455	1184.209	1173.345	1160.411
13.5	1230.771	1201.799	1178.518	1166.619	1153.686
14.0	1227.149	1197.143	1173.345	1160.411	1146.960
14.5	1222.493	1192.487	1167.137	1153.686	1139.717
15.0	1218.354	1187.831	1161.446	1146.443	1132.992
15.5	1213.698	1182.657	1154.720	1139.200	1125.232
16.0	1210.077	1178.001	1148.512	1131.957	1117.471
16.5	1206.455	1172.828	1141.787	1124.197	1109.711
17.0	1201.799	1167.654	1135.061	1116.437	1101.951
17.5	1195.074	1162.481	1128.336	1108.676	1093.673
18.0	1188.865	1157.825	1121.610	1100.399	1084.878
18.5	1182.657	1151.616	1114.367	1092.121	1076.084
19.0	1177.484	1144.891	1107.124	1083.326	1067.289
19.5	1171.793	1138.165	1099.882	1074.532	1057.976
20.0	1166.102	1131.440	1092.121	1066.254	1048.147
20.5	1159.894	1124.714	1084.878	1057.459	1038.835
21.0	1153.686	1118.506	1077.118	1048.147	1029.005
21.5	1147.478	1111.781	1069.358	1039.352	1019.693
22.0	1140.752	1104.538	1061.080	1030.040	1009.863
22.5	1134.544	1097.812	1053.320	1020.210	1000.551
23.0	1127.301	1090.569	1046.077	1010.898	991.239
23.5	1120.575	1082.809	1037.800	1001.585	981.409
24.0	1113.333	1075.566	1028.488	992.273	972.097
24.5	1106.090	1067.806	1019.693	982.961	962.267
25.0	1098.847	1060.563	1010.380	973.131	952.437
25.5	1091.604	1052.286	1001.585	963.819	942.608
26.0	1083.844	1044.525	992.273	953.989	933.296
26.5	1076.601	1036.248	983.478	944.677	923.983

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PHOTOMETRIC FILENAME : LRX2-4-L8-950-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	1068.323	1028.488	974.166	935.365	914.154
27.5	1060.563	1019.693	965.371	926.053	903.807
28.0	1052.803	1011.415	956.059	916.740	894.494
28.5	1045.043	1003.138	946.747	906.911	885.182
29.0	1036.765	994.343	937.952	897.081	875.870
29.5	1027.970	985.548	928.639	887.252	866.558
30.0	1019.693	976.753	919.327	877.939	856.728
30.5	1010.898	968.475	910.532	868.627	846.898
31.0	1002.103	959.680	901.220	858.797	837.069
31.5	992.791	950.368	891.390	848.968	827.757
32.0	983.996	941.573	882.078	839.138	817.927
32.5	974.683	932.261	872.766	829.309	808.097
33.0	965.888	922.949	862.936	819.479	798.268
33.5	956.576	913.636	853.624	810.167	788.438
34.0	947.264	904.324	844.312	800.337	778.609
34.5	938.469	894.494	833.965	790.508	768.779
35.0	929.157	885.182	824.653	780.161	758.949
35.5	919.845	875.353	814.823	770.331	749.637
36.0	910.015	866.040	805.511	761.019	739.807
36.5	900.703	856.211	795.681	751.189	730.495
37.0	891.390	846.381	785.851	740.842	720.666
37.5	881.561	836.552	776.022	731.530	711.871
38.0	872.249	826.722	766.192	721.700	702.041
38.5	862.419	816.892	756.880	712.388	692.729
39.0	852.589	807.063	746.533	702.558	683.417
39.5	842.760	797.233	736.703	693.246	674.104
40.0	832.413	787.403	726.874	683.417	664.792
40.5	822.066	777.574	717.044	674.622	655.997
41.0	812.236	767.744	707.215	665.309	646.167
41.5	801.889	757.397	697.385	655.997	636.855
42.0	791.542	747.568	688.073	646.167	628.060
42.5	781.713	737.221	678.243	636.855	618.748
43.0	771.366	727.391	668.931	628.060	609.953
43.5	761.019	717.044	658.584	619.265	601.158
44.0	750.672	707.215	649.272	609.953	592.363
44.5	740.325	697.385	639.442	600.641	583.568
45.0	730.495	687.038	630.130	591.846	574.773
45.5	720.148	677.208	620.817	583.051	565.979
46.0	709.801	667.379	611.505	574.256	557.701
46.5	699.972	657.032	601.676	565.461	548.906
47.0	689.625	647.202	592.363	556.666	540.629
47.5	679.795	637.373	583.568	547.354	532.351
48.0	669.448	627.543	574.256	539.076	523.556
48.5	659.101	617.713	565.461	530.282	515.589
49.0	649.272	607.366	555.632	522.004	507.260
49.5	638.925	597.537	546.837	513.157	498.930
50.0	629.095	588.225	537.524	504.518	490.601
50.5	618.748	578.395	528.730	496.344	482.686
51.0	608.918	568.565	519.417	488.325	474.822
51.5	598.571	558.736	510.674	480.151	466.234
52.0	588.742	549.423	501.569	471.718	458.163
52.5	578.395	539.594	492.567	463.285	450.403
53.0	568.565	530.282	483.669	454.956	442.125
53.5	558.218	520.969	475.184	447.144	434.624
54.0	548.389	511.191	466.596	439.435	426.709
54.5	538.559	501.620	457.853	431.520	418.948

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CANDELA TABULATION - (Cont.)

55.0	528.212	492.257	449.161	423.346	411.188
55.5	518.383	482.996	440.729	415.068	403.273
56.0	508.501	473.787	432.503	407.101	395.771
56.5	498.827	464.682	424.122	399.599	388.321
57.0	489.101	455.473	415.844	392.201	381.182
57.5	479.581	446.471	407.825	384.389	373.784
58.0	470.114	437.625	399.651	376.422	366.179
58.5	460.957	428.778	391.322	368.610	358.781
59.0	451.593	420.190	383.044	361.057	351.848
59.5	442.384	411.602	374.974	353.659	344.709
60.0	433.124	403.117	367.214	346.468	337.363
60.5	424.122	394.633	359.557	339.225	330.171
61.0	415.172	386.097	351.797	331.827	323.239
61.5	406.170	377.560	343.726	324.377	316.100
62.0	397.168	369.283	335.862	317.031	308.960
62.5	388.218	361.109	328.412	309.943	302.028
63.0	379.216	352.780	321.273	303.011	295.250
63.5	370.162	344.502	314.134	296.492	288.473
64.0	361.161	336.173	306.787	289.973	281.696
64.5	352.159	327.895	299.182	282.938	275.074
65.0	343.105	319.721	291.732	275.591	268.555
65.5	334.103	311.495	284.697	268.969	262.140
66.0	325.153	303.269	277.816	263.020	255.984
66.5	316.151	295.095	270.832	256.915	249.724
67.0	307.201	287.025	263.537	250.293	243.309
67.5	298.303	279.006	256.191	243.153	236.790
68.0	289.404	270.883	248.844	235.807	230.116
68.5	280.609	262.813	241.550	228.978	223.494
69.0	271.918	254.742	234.617	222.615	217.079
69.5	263.227	246.878	227.788	216.303	210.612
70.0	254.587	239.015	220.545	209.371	203.783
70.5	246.102	231.099	213.147	201.921	197.006
71.0	237.566	223.184	205.853	194.781	190.332
71.5	229.185	215.372	198.713	188.366	183.865
72.0	220.856	207.819	191.884	182.417	177.606
72.5	212.630	200.369	185.314	176.260	171.604
73.0	204.559	192.971	178.640	169.690	165.500
73.5	196.540	185.521	171.759	163.120	159.188
74.0	188.677	178.175	164.879	156.808	153.187
74.5	180.917	170.983	158.360	150.859	147.548
75.0	173.312	163.999	152.100	145.013	141.753
75.5	165.810	157.067	145.944	139.115	135.804
76.0	158.412	150.186	139.632	133.269	130.165
76.5	151.117	143.254	133.372	127.268	124.629
77.0	143.874	136.476	127.061	121.370	118.887
77.5	136.787	129.803	121.059	115.576	113.041
78.0	129.699	123.181	115.213	109.936	107.505
78.5	122.715	116.662	109.367	104.349	102.228
79.0	115.938	110.299	103.521	98.865	97.003
79.5	109.212	104.039	97.779	93.485	91.829
80.0	102.642	97.882	92.191	88.104	86.604
80.5	96.123	91.829	86.656	82.776	81.275
81.0	89.812	85.880	81.068	77.550	76.050
81.5	83.655	80.085	75.688	72.480	71.084
82.0	77.602	74.498	70.566	67.617	66.324
82.5	71.704	69.014	65.496	62.910	61.720

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CANDELA TABULATION - (Cont.)

83.0	65.910	63.582	60.530	58.150	57.219
83.5	60.219	58.202	55.511	53.442	52.718
84.0	54.684	53.028	50.493	48.786	48.113
84.5	49.303	47.958	45.630	44.233	43.664
85.0	44.026	42.992	41.077	39.836	39.577
85.5	38.853	38.077	36.628	35.697	35.749
86.0	33.835	33.214	32.283	31.869	31.869
86.5	28.971	28.558	27.937	27.833	27.937
87.0	24.212	24.057	23.695	23.695	23.850
87.5	19.659	19.504	19.556	19.814	19.918
88.0	15.262	15.365	15.831	16.193	16.348
88.5	11.175	11.537	12.416	12.520	12.623
89.0	7.553	8.122	8.640	7.812	7.760
89.5	5.225	5.380	4.035	3.828	4.242
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-L8-950-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-L8-950-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-L8-950-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	446.78	N.A.	15.70
0-30	914.68	N.A.	32.10
0-40	1435.61	N.A.	50.40
0-60	2340.73	N.A.	82.20
0-80	2800.94	N.A.	98.30
0-90	2848.08	N.A.	100.00
10-90	2729.7	N.A.	95.80
20-40	988.83	N.A.	34.70
20-50	1483.16	N.A.	52.10
40-70	1200.86	N.A.	42.20
60-80	460.21	N.A.	16.20
70-80	164.47	N.A.	5.80
80-90	47.14	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	2848.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.38
10-20	328.40
20-30	467.90
30-40	520.93
40-50	494.33
50-60	410.79
60-70	295.74
70-80	164.47
80-90	47.14
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-L8-950-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-L8-950-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	21.1	22.7	21.5	23.0	23.3	20.0	21.5	20.3	21.8	22.2
	3H	22.8	24.3	23.2	24.6	24.9	21.6	23.0	22.0	23.4	23.7
	4H	23.5	24.8	23.9	25.1	25.5	22.2	23.6	22.6	23.9	24.3
	6H	23.9	25.1	24.3	25.5	25.9	22.7	23.9	23.1	24.3	24.7
	8H	24.1	25.2	24.5	25.6	26.0	22.9	24.0	23.3	24.4	24.8
	12H	24.1	25.3	24.6	25.6	26.1	23.0	24.1	23.4	24.5	24.9

UGR Viewed Endwise

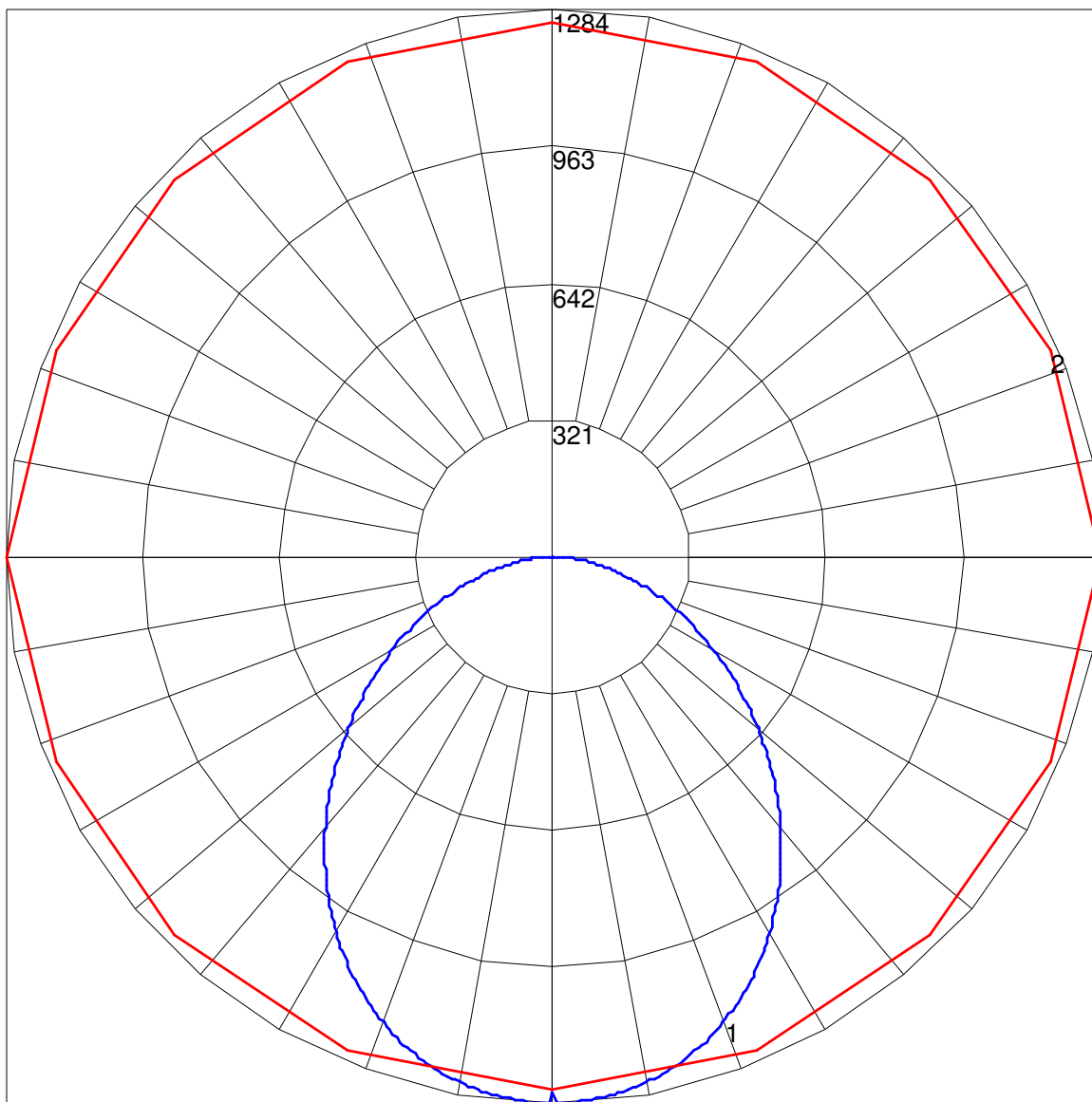
4H	2H	21.6	22.9	22.0	23.2	23.6	20.6	22.0	21.0	22.3	22.7
	3H	23.5	24.6	23.9	25.0	25.4	22.5	23.6	22.9	24.0	24.4
	4H	24.3	25.3	24.7	25.7	26.1	23.2	24.2	23.7	24.7	25.1
	6H	24.9	25.7	25.3	26.2	26.6	23.8	24.7	24.3	25.1	25.6
	8H	25.0	25.9	25.5	26.3	26.8	24.0	24.8	24.5	25.3	25.8
	12H	25.2	25.9	25.7	26.4	26.9	24.2	24.9	24.7	25.4	25.9

8H	4H	24.5	25.3	24.9	25.7	26.2	23.6	24.4	24.0	24.8	25.3
	6H	25.2	25.9	25.7	26.3	26.8	24.3	25.0	24.8	25.4	25.9
	8H	25.4	26.0	25.9	26.6	27.0	24.5	25.2	25.0	25.7	26.1
	12H	25.7	26.2	26.2	26.7	27.2	24.8	25.3	25.3	25.8	26.4

12H	4H	24.5	25.2	25.0	25.7	26.2	23.6	24.3	24.1	24.8	25.3
	6H	25.2	25.8	25.7	26.3	26.8	24.3	25.0	24.9	25.4	26.0
	8H	25.5	26.1	26.0	26.6	27.1	24.7	25.2	25.2	25.7	26.3

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 1284.057 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.)