



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-8-L4-940-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] LRX2-8-L4-940-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	2786
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
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	8136	7018	6401
55	7252	6167	5646
65	6394	5436	5004
75	5273	4628	4313
85	3978	3712	3576

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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	1234.520	1234.520	1234.520	1234.520	1234.520
0.5	1256.284	1235.532	1228.446	1231.483	1225.409
1.0	1256.284	1235.026	1228.446	1231.483	1224.903
1.5	1255.778	1235.026	1227.940	1230.977	1224.396
2.0	1255.272	1234.013	1226.927	1230.470	1222.878
2.5	1254.766	1233.001	1226.421	1228.952	1221.866
3.0	1253.754	1231.989	1224.903	1227.940	1219.841
3.5	1252.741	1230.977	1223.384	1225.915	1217.816
4.0	1251.729	1229.964	1221.866	1224.396	1216.298
4.5	1250.717	1228.446	1220.347	1222.372	1213.767
5.0	1249.704	1226.927	1217.816	1219.841	1211.236
5.5	1247.680	1224.903	1215.792	1216.804	1207.693
6.0	1246.161	1222.878	1213.261	1214.273	1204.656
6.5	1244.643	1221.360	1210.730	1210.730	1201.113
7.0	1242.618	1218.829	1208.199	1207.187	1197.570
7.5	1240.594	1216.804	1205.162	1203.644	1193.521
8.0	1238.569	1213.767	1202.126	1199.595	1189.978
8.5	1236.038	1211.236	1198.582	1195.545	1185.422
9.0	1233.507	1208.706	1195.039	1190.990	1180.867
9.5	1230.977	1205.669	1190.990	1185.928	1175.805
10.0	1228.446	1202.632	1186.941	1181.373	1171.250
10.5	1225.409	1199.595	1182.892	1176.311	1165.176
11.0	1222.372	1196.052	1178.336	1171.250	1159.608
11.5	1218.829	1192.509	1173.781	1165.682	1154.040
12.0	1215.286	1188.459	1168.719	1160.114	1147.967
12.5	1212.249	1184.410	1163.658	1154.040	1141.387
13.0	1208.199	1180.361	1158.596	1147.967	1135.313
13.5	1204.150	1175.805	1153.028	1141.387	1128.733
14.0	1200.607	1171.250	1147.967	1135.313	1122.153
14.5	1196.052	1166.694	1141.893	1128.733	1115.066
15.0	1192.002	1162.139	1136.325	1121.646	1108.486
15.5	1187.447	1157.077	1129.745	1114.560	1100.894
16.0	1183.904	1152.522	1123.671	1107.474	1093.302
16.5	1180.361	1147.460	1117.091	1099.882	1085.709
17.0	1175.805	1142.399	1110.511	1092.289	1078.117
17.5	1169.225	1137.337	1103.931	1084.697	1070.018
18.0	1163.151	1132.782	1097.351	1076.598	1061.414
18.5	1157.077	1126.708	1090.265	1068.500	1052.809
19.0	1152.016	1120.128	1083.178	1059.895	1044.204
19.5	1146.448	1113.548	1076.092	1051.290	1035.093
20.0	1140.880	1106.968	1068.500	1043.192	1025.476
20.5	1134.806	1100.388	1061.414	1034.587	1016.365
21.0	1128.733	1094.314	1053.821	1025.476	1006.748
21.5	1122.659	1087.734	1046.229	1016.872	997.638
22.0	1116.079	1080.648	1038.130	1007.761	988.021
22.5	1110.005	1074.068	1030.538	998.144	978.910
23.0	1102.919	1066.981	1023.452	989.033	969.799
23.5	1096.338	1059.389	1015.353	979.922	960.182
24.0	1089.252	1052.303	1006.242	970.811	951.071
24.5	1082.166	1044.710	997.638	961.700	941.454
25.0	1075.080	1037.624	988.527	952.083	931.837
25.5	1067.994	1029.526	979.922	942.973	922.220
26.0	1060.401	1021.933	970.811	933.356	913.109
26.5	1053.315	1013.835	962.207	924.245	903.998

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CANDELA TABULATION - (Cont.)

27.0	1045.217	1006.242	953.096	915.134	894.381
27.5	1037.624	997.638	944.491	906.023	884.258
28.0	1030.032	989.539	935.380	896.912	875.147
28.5	1022.439	981.441	926.269	887.295	866.037
29.0	1014.341	972.836	917.665	877.678	856.926
29.5	1005.736	964.231	908.554	868.061	847.815
30.0	997.638	955.627	899.443	858.950	838.198
30.5	989.033	947.528	890.838	849.839	828.581
31.0	980.428	938.923	881.727	840.222	818.964
31.5	971.317	929.812	872.110	830.605	809.853
32.0	962.713	921.208	863.000	820.988	800.236
32.5	953.602	912.097	853.889	811.371	790.619
33.0	944.997	902.986	844.272	801.754	781.002
33.5	935.886	893.875	835.161	792.644	771.385
34.0	926.776	884.764	826.050	783.027	761.768
34.5	918.171	875.147	815.927	773.410	752.151
35.0	909.060	866.037	806.816	763.286	742.534
35.5	899.949	856.420	797.199	753.669	733.423
36.0	890.332	847.309	788.088	744.559	723.806
36.5	881.221	837.692	778.471	734.942	714.695
37.0	872.110	828.075	768.854	724.818	705.078
37.5	862.493	818.458	759.237	715.708	696.474
38.0	853.383	808.841	749.620	706.091	686.857
38.5	843.766	799.224	740.509	696.980	677.746
39.0	834.149	789.607	730.386	687.363	668.635
39.5	824.532	779.990	720.769	678.252	659.524
40.0	814.408	770.373	711.152	668.635	650.413
40.5	804.285	760.756	701.535	660.030	641.808
41.0	794.668	751.139	691.918	650.919	632.191
41.5	784.545	741.015	682.301	641.808	623.081
42.0	774.422	731.398	673.190	632.191	614.476
42.5	764.805	721.275	663.573	623.081	605.365
43.0	754.682	711.658	654.462	614.476	596.760
43.5	744.559	701.535	644.339	605.871	588.156
44.0	734.435	691.918	635.228	596.760	579.551
44.5	724.312	682.301	625.611	587.650	570.946
45.0	714.695	672.178	616.501	579.045	562.342
45.5	704.572	662.561	607.390	570.440	553.737
46.0	694.449	652.944	598.279	561.836	545.638
46.5	684.832	642.821	588.662	553.231	537.034
47.0	674.709	633.204	579.551	544.626	528.935
47.5	665.092	623.587	570.946	535.515	520.837
48.0	654.969	613.970	561.836	527.417	512.232
48.5	644.845	604.353	553.231	518.812	504.437
49.0	635.228	594.230	543.614	510.714	496.288
49.5	625.105	584.613	535.009	502.058	488.139
50.0	615.488	575.502	525.898	493.605	479.990
50.5	605.365	565.885	517.294	485.608	472.246
51.0	595.748	556.268	508.183	477.763	464.552
51.5	585.625	546.651	499.629	469.765	456.150
52.0	576.008	537.540	490.720	461.515	448.254
52.5	566.885	527.923	481.913	453.265	440.661
53.0	556.268	518.812	473.207	445.115	432.563
53.5	546.145	509.701	464.906	437.472	425.223
54.0	536.528	500.135	456.504	429.931	417.479
54.5	526.911	490.771	447.950	422.186	409.887

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CANDELA TABULATION - (Cont.)

55.0	516.787	481.609	439.446	414.189	402.294
55.5	507.170	472.549	431.196	406.091	394.550
56.0	497.503	463.540	423.148	398.296	387.211
56.5	488.038	454.631	414.948	390.957	379.922
57.0	478.522	445.622	406.850	383.718	372.937
57.5	469.209	436.814	399.004	376.075	365.699
58.0	459.946	428.159	391.007	368.281	358.259
58.5	450.987	419.504	382.858	360.638	351.021
59.0	441.825	411.102	374.759	353.248	344.238
59.5	432.816	402.699	366.863	346.010	337.253
60.0	423.756	394.398	359.271	338.974	330.066
60.5	414.948	386.097	351.780	331.888	323.030
61.0	406.192	377.746	344.188	324.650	316.248
61.5	397.385	369.394	336.291	317.361	309.263
62.0	388.578	361.296	328.598	310.174	302.278
62.5	379.821	353.298	321.309	303.239	295.495
63.0	371.014	345.149	314.324	296.457	288.864
63.5	362.156	337.051	307.339	290.079	282.234
64.0	353.349	328.902	300.152	283.702	275.603
64.5	344.542	320.803	292.711	276.818	269.124
65.0	335.684	312.806	285.423	269.630	262.747
65.5	326.877	304.758	278.539	263.152	256.470
66.0	318.120	296.710	271.807	257.331	250.447
66.5	309.313	288.713	264.974	251.358	244.323
67.0	300.557	280.817	257.837	244.879	238.046
67.5	291.851	272.971	250.649	237.894	231.669
68.0	283.145	265.024	243.462	230.707	225.139
68.5	274.540	257.128	236.325	224.026	218.660
69.0	266.037	249.232	229.543	217.800	212.384
69.5	257.533	241.539	222.861	211.625	206.057
70.0	249.080	233.845	215.775	204.842	199.376
70.5	240.779	226.101	208.537	197.554	192.745
71.0	232.428	218.357	201.400	190.569	186.216
71.5	224.228	210.714	194.415	184.292	179.889
72.0	216.079	203.324	187.734	178.471	173.764
72.5	208.031	196.035	181.306	172.448	167.893
73.0	200.135	188.797	174.776	166.020	161.920
73.5	192.289	181.508	168.044	159.592	155.745
74.0	184.596	174.321	161.313	153.417	149.873
74.5	177.003	167.285	154.935	147.596	144.356
75.0	169.563	160.452	148.810	141.876	138.687
75.5	162.224	153.670	142.787	136.106	132.867
76.0	154.986	146.938	136.612	130.386	127.349
76.5	147.849	140.155	130.488	124.515	121.933
77.0	140.763	133.525	124.312	118.745	116.315
77.5	133.828	126.995	118.441	113.076	110.596
78.0	126.894	120.516	112.721	107.559	105.180
78.5	120.061	114.139	107.002	102.092	100.017
79.0	113.430	107.913	101.282	96.727	94.905
79.5	106.850	101.788	95.664	91.463	89.843
80.0	100.422	95.765	90.197	86.199	84.731
80.5	94.044	89.843	84.781	80.985	79.517
81.0	87.869	84.022	79.315	75.873	74.405
81.5	81.846	78.353	74.051	70.913	69.546
82.0	75.924	72.887	69.040	66.155	64.889
82.5	70.154	67.521	64.080	61.549	60.385

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CANDELA TABULATION - (Cont.)

83.0	64.485	62.207	59.220	56.892	55.981
83.5	58.917	56.943	54.311	52.286	51.578
84.0	53.501	51.881	49.401	47.731	47.073
84.5	48.237	46.921	44.643	43.277	42.720
85.0	43.074	42.062	40.189	38.974	38.721
85.5	38.012	37.253	35.836	34.925	34.976
86.0	33.103	32.495	31.584	31.179	31.179
86.5	28.345	27.940	27.333	27.231	27.333
87.0	23.688	23.536	23.182	23.182	23.334
87.5	19.234	19.082	19.133	19.386	19.487
88.0	14.932	15.033	15.488	15.843	15.995
88.5	10.933	11.287	12.148	12.249	12.350
89.0	7.390	7.947	8.453	7.643	7.592
89.5	5.112	5.264	3.948	3.746	4.150
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-L4-940-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 : LRX2-8-L4-940-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 : LRX2-8-L4-940-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	437.11	N.A.	15.70
0-30	894.90	N.A.	32.10
0-40	1404.56	N.A.	50.40
0-60	2290.1	N.A.	82.20
0-80	2740.36	N.A.	98.30
0-90	2786.48	N.A.	100.00
10-90	2670.66	N.A.	95.80
20-40	967.45	N.A.	34.70
20-50	1451.08	N.A.	52.10
40-70	1174.88	N.A.	42.20
60-80	450.26	N.A.	16.20
70-80	160.91	N.A.	5.80
80-90	46.12	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	2786.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.82
10-20	321.30
20-30	457.78
30-40	509.66
40-50	483.63
50-60	401.91
60-70	289.34
70-80	160.91
80-90	46.12
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-L4-940-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 : LRX2-8-L4-940-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	18.7	20.3	19.1	20.6	20.9	17.6	19.1	17.9	19.4	19.7
	3H	20.4	21.9	20.8	22.2	22.5	19.2	20.6	19.6	21.0	21.3
	4H	21.0	22.4	21.4	22.7	23.1	19.8	21.2	20.2	21.5	21.9
	6H	21.5	22.7	21.9	23.1	23.5	20.3	21.5	20.7	21.9	22.3
	8H	21.6	22.8	22.1	23.2	23.6	20.4	21.6	20.9	22.0	22.4
	12H	21.7	22.9	22.2	23.2	23.7	20.5	21.7	21.0	22.1	22.5

UGR Viewed Endwise

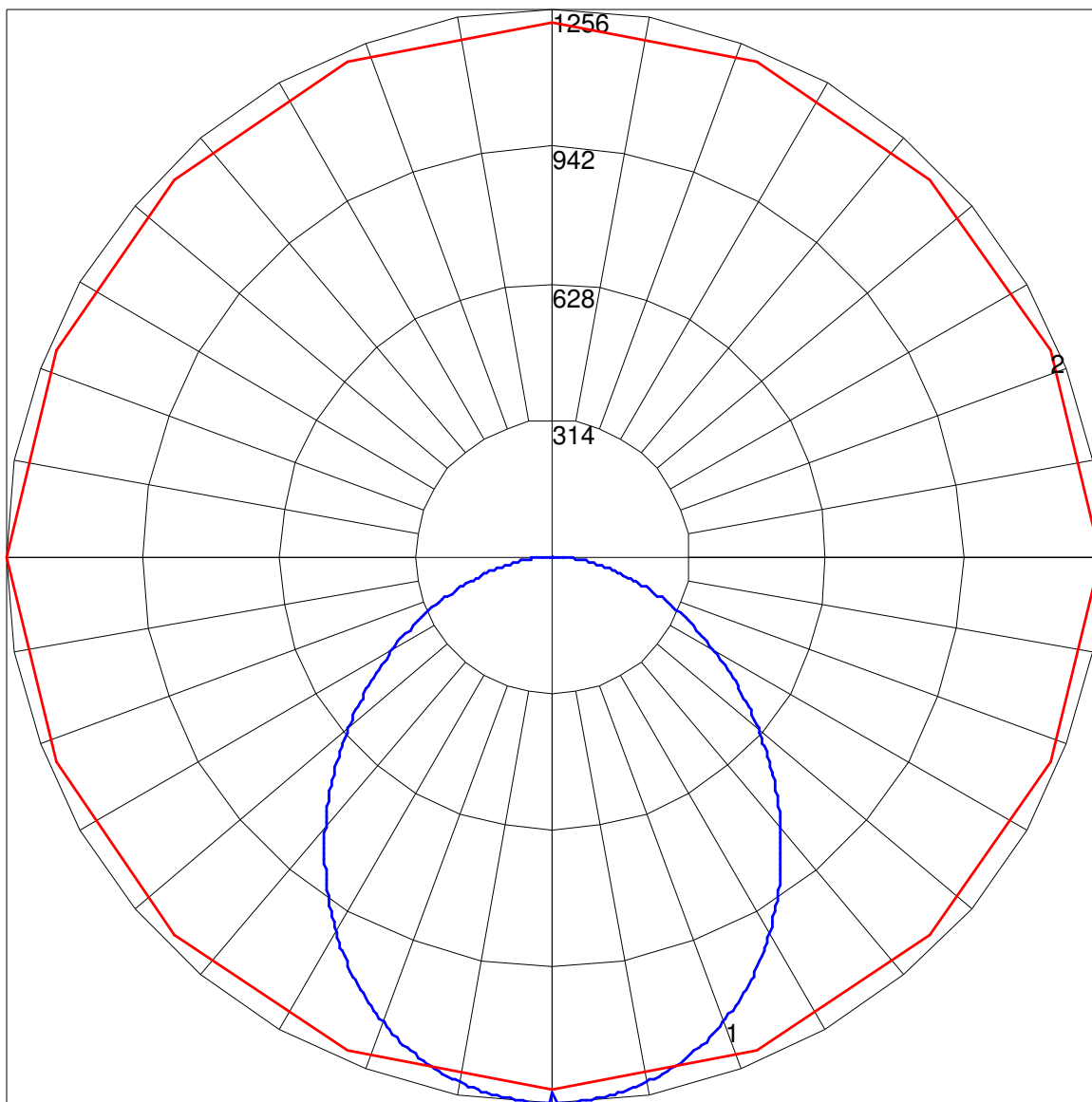
4H	2H	19.2	20.5	19.6	20.8	21.2	18.2	19.5	18.6	19.9	20.3
	3H	21.1	22.2	21.5	22.6	23.0	20.1	21.2	20.5	21.6	22.0
	4H	21.9	22.9	22.3	23.3	23.7	20.8	21.8	21.3	22.3	22.7
	6H	22.4	23.3	22.9	23.8	24.2	21.4	22.3	21.9	22.7	23.2
	8H	22.6	23.4	23.1	23.9	24.4	21.6	22.4	22.1	22.9	23.3
	12H	22.8	23.5	23.3	24.0	24.5	21.8	22.5	22.3	23.0	23.4

8H	4H	22.1	22.9	22.5	23.3	23.8	21.2	22.0	21.6	22.4	22.9
	6H	22.8	23.4	23.3	23.9	24.4	21.9	22.5	22.4	23.0	23.5
	8H	23.0	23.6	23.5	24.1	24.6	22.1	22.7	22.6	23.3	23.7
	12H	23.3	23.8	23.8	24.3	24.8	22.4	22.9	22.9	23.4	24.0

12H	4H	22.1	22.8	22.6	23.3	23.8	21.2	21.9	21.7	22.4	22.9
	6H	22.8	23.4	23.3	23.9	24.4	21.9	22.6	22.5	23.0	23.6
	8H	23.1	23.7	23.6	24.2	24.7	22.3	22.8	22.8	23.3	23.9

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 1256.284 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.)