



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L8-840-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 14853501.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 2023-07-25
 [TEST DATE] 6/19/2023
 [MANUFACT] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] LRX2-4-L8-840-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	3296
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
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	19247	16603	15144
55	17157	14590	13356
65	15126	12861	11839
75	12476	10949	10204
85	9411	8781	8460

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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	1460.299	1460.299	1460.299	1460.299	1460.299
0.5	1486.044	1461.496	1453.114	1456.706	1449.522
1.0	1486.044	1460.897	1453.114	1456.706	1448.923
1.5	1485.445	1460.897	1452.515	1456.108	1448.324
2.0	1484.846	1459.700	1451.318	1455.509	1446.528
2.5	1484.248	1458.502	1450.719	1453.713	1445.330
3.0	1483.050	1457.305	1448.923	1452.515	1442.935
3.5	1481.853	1456.108	1447.127	1450.120	1440.541
4.0	1480.655	1454.910	1445.330	1448.324	1438.744
4.5	1479.458	1453.114	1443.534	1445.929	1435.751
5.0	1478.260	1451.318	1440.541	1442.935	1432.757
5.5	1475.866	1448.923	1438.146	1439.343	1428.566
6.0	1474.069	1446.528	1435.152	1436.349	1424.974
6.5	1472.273	1444.732	1432.158	1432.158	1420.783
7.0	1469.878	1441.738	1429.165	1427.967	1416.591
7.5	1467.483	1439.343	1425.572	1423.776	1411.802
8.0	1465.088	1435.751	1421.980	1418.986	1407.611
8.5	1462.095	1432.757	1417.789	1414.197	1402.222
9.0	1459.101	1429.763	1413.598	1408.808	1396.833
9.5	1456.108	1426.171	1408.808	1402.821	1390.846
10.0	1453.114	1422.579	1404.018	1397.432	1385.458
10.5	1449.522	1418.986	1399.228	1391.445	1378.273
11.0	1445.929	1414.795	1393.840	1385.458	1371.687
11.5	1441.738	1410.604	1388.451	1378.872	1365.101
12.0	1437.547	1405.814	1382.464	1372.286	1357.916
12.5	1433.955	1401.024	1376.477	1365.101	1350.133
13.0	1429.165	1396.235	1370.489	1357.916	1342.948
13.5	1424.375	1390.846	1363.903	1350.133	1335.164
14.0	1420.184	1385.458	1357.916	1342.948	1327.381
14.5	1414.795	1380.069	1350.731	1335.164	1318.999
15.0	1410.005	1374.680	1344.145	1326.782	1311.215
15.5	1404.617	1368.693	1336.362	1318.400	1302.234
16.0	1400.426	1363.305	1329.177	1310.018	1293.253
16.5	1396.235	1357.317	1321.394	1301.037	1284.272
17.0	1390.846	1351.330	1313.610	1292.056	1275.292
17.5	1383.063	1345.343	1305.827	1283.075	1265.712
18.0	1375.878	1339.954	1298.043	1273.495	1255.533
18.5	1368.693	1332.769	1289.661	1263.916	1245.355
19.0	1362.706	1324.986	1281.279	1253.737	1235.177
19.5	1356.120	1317.203	1272.897	1243.559	1224.400
20.0	1349.534	1309.419	1263.916	1233.979	1213.024
20.5	1342.349	1301.636	1255.533	1223.801	1202.247
21.0	1335.164	1294.451	1246.553	1213.024	1190.871
21.5	1327.980	1286.667	1237.572	1202.845	1180.094
22.0	1320.196	1278.285	1227.992	1192.068	1168.718
22.5	1313.011	1270.502	1219.011	1180.692	1157.941
23.0	1304.629	1262.120	1210.629	1169.915	1147.164
23.5	1296.846	1253.139	1201.049	1159.138	1135.788
24.0	1288.464	1244.756	1190.272	1148.361	1125.011
24.5	1280.081	1235.775	1180.094	1137.584	1113.635
25.0	1271.699	1227.393	1169.317	1126.208	1102.259
25.5	1263.317	1217.814	1159.138	1115.431	1090.883
26.0	1254.336	1208.833	1148.361	1104.055	1080.106
26.5	1245.954	1199.253	1138.183	1093.278	1069.329

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CANDELA TABULATION - (Cont.)

27.0	1236.374	1190.272	1127.406	1082.501	1057.953
27.5	1227.393	1180.094	1117.227	1071.724	1045.979
28.0	1218.412	1170.514	1106.450	1060.947	1035.201
28.5	1209.431	1160.934	1095.673	1049.571	1024.424
29.0	1199.852	1150.756	1085.495	1038.195	1013.647
29.5	1189.673	1140.578	1074.718	1026.819	1002.870
30.0	1180.094	1130.399	1063.940	1016.042	991.494
30.5	1169.915	1120.820	1053.762	1005.265	980.118
31.0	1159.737	1110.641	1042.985	993.889	968.743
31.5	1148.960	1099.864	1031.609	982.513	957.965
32.0	1138.781	1089.686	1020.832	971.137	946.590
32.5	1128.004	1078.909	1010.055	959.762	935.214
33.0	1117.826	1068.131	998.679	948.386	923.838
33.5	1107.049	1057.354	987.902	937.609	912.462
34.0	1096.272	1046.577	977.125	926.233	901.086
34.5	1086.093	1035.201	965.150	914.857	889.710
35.0	1075.316	1024.424	954.373	902.882	878.335
35.5	1064.539	1013.048	942.997	891.507	867.557
36.0	1053.163	1002.271	932.220	880.730	856.182
36.5	1042.386	990.896	920.844	869.354	845.405
37.0	1031.609	979.520	909.468	857.379	834.029
37.5	1020.233	968.144	898.093	846.602	823.850
38.0	1009.456	956.768	886.717	835.226	812.474
38.5	998.080	945.392	875.940	824.449	801.697
39.0	986.704	934.016	863.965	813.073	790.920
39.5	975.329	922.640	852.589	802.296	780.143
40.0	963.354	911.265	841.213	790.920	769.366
40.5	951.379	899.889	829.838	780.742	759.188
41.0	940.004	888.513	818.462	769.965	747.812
41.5	928.029	876.538	807.086	759.188	737.035
42.0	916.054	865.163	796.309	747.812	726.856
42.5	904.679	853.188	784.933	737.035	716.079
43.0	892.704	841.812	774.156	726.856	705.901
43.5	880.730	829.838	762.181	716.678	695.722
44.0	868.755	818.462	751.404	705.901	685.544
44.5	856.780	807.086	740.028	695.124	675.366
45.0	845.405	795.111	729.251	684.945	665.187
45.5	833.430	783.735	718.474	674.767	655.009
46.0	821.455	772.360	707.697	664.589	645.429
46.5	810.080	760.385	696.321	654.410	635.251
47.0	798.105	749.009	685.544	644.232	625.671
47.5	786.729	737.633	675.366	633.455	616.092
48.0	774.755	726.258	664.589	623.875	605.913
48.5	762.780	714.882	654.410	613.697	596.693
49.0	751.404	702.907	643.034	604.117	587.053
49.5	739.430	691.531	632.856	593.879	577.414
50.0	728.054	680.754	622.079	583.880	567.774
50.5	716.079	669.378	611.900	574.420	558.614
51.0	704.703	658.003	601.123	565.140	549.513
51.5	692.729	646.627	591.005	555.680	539.574
52.0	681.353	635.850	580.467	545.921	530.234
52.5	669.378	624.474	570.049	536.161	521.253
53.0	658.003	613.697	559.751	526.522	511.673
53.5	646.028	602.920	549.932	517.481	502.992
54.0	634.652	591.604	539.993	508.560	493.831
54.5	623.276	580.527	529.875	499.399	484.850

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CANDELA TABULATION - (Cont.)

55.0	611.302	569.690	519.816	489.939	475.869
55.5	599.926	558.973	510.057	480.360	466.709
56.0	588.490	548.315	500.537	471.139	458.027
56.5	577.294	537.778	490.838	462.458	449.406
57.0	566.038	527.120	481.258	453.896	441.143
57.5	555.021	516.703	471.978	444.855	432.581
58.0	544.065	506.464	462.518	435.635	423.780
58.5	533.467	496.226	452.878	426.594	415.218
59.0	522.630	486.287	443.299	417.853	407.195
59.5	511.973	476.348	433.958	409.291	398.933
60.0	501.255	466.529	424.977	400.968	390.431
60.5	490.838	456.710	416.116	392.586	382.108
61.0	480.480	446.831	407.135	384.024	374.086
61.5	470.062	436.952	397.795	375.403	365.823
62.0	459.644	427.372	388.694	366.901	357.561
62.5	449.286	417.912	380.073	358.698	349.538
63.0	438.868	408.273	371.810	350.675	341.694
63.5	428.390	398.693	363.548	343.131	333.851
64.0	417.972	389.054	355.046	335.587	326.008
64.5	407.554	379.474	346.245	327.445	318.344
65.0	397.077	370.014	337.623	318.943	310.800
65.5	386.659	360.494	329.480	311.279	303.376
66.0	376.301	350.975	321.517	304.394	296.251
66.5	365.883	341.515	313.434	297.329	289.006
67.0	355.525	332.175	304.992	289.665	281.582
67.5	345.227	322.894	296.490	281.402	274.038
68.0	334.929	313.494	287.988	272.900	266.314
68.5	324.750	304.154	279.546	264.997	258.651
69.0	314.692	294.814	271.523	257.633	251.226
69.5	304.633	285.713	263.620	250.328	243.742
70.0	294.634	276.613	255.238	242.305	235.839
70.5	284.815	267.452	246.676	233.684	227.996
71.0	274.936	258.291	238.234	225.421	220.272
71.5	265.237	249.251	229.972	217.997	212.788
72.0	255.597	240.509	222.068	211.112	205.543
72.5	246.077	231.888	214.465	203.987	198.598
73.0	236.737	223.326	206.741	196.383	191.533
73.5	227.457	214.704	198.778	188.779	184.229
74.0	218.356	206.202	190.815	181.475	177.283
74.5	209.375	197.880	183.271	174.589	170.757
75.0	200.574	189.797	176.026	167.824	164.052
75.5	191.892	181.774	168.901	160.998	157.166
76.0	183.331	173.811	161.597	154.232	150.640
76.5	174.889	165.788	154.352	147.287	144.234
77.0	166.506	157.945	147.048	140.462	137.588
77.5	158.304	150.221	140.102	133.756	130.822
78.0	150.101	142.557	133.337	127.230	124.416
78.5	142.018	135.013	126.571	120.764	118.309
79.0	134.175	127.649	119.806	114.417	112.262
79.5	126.392	120.404	113.160	108.190	106.274
80.0	118.788	113.279	106.693	101.963	100.227
80.5	111.244	106.274	100.287	95.797	94.060
81.0	103.939	99.389	93.821	89.749	88.013
81.5	96.814	92.683	87.594	83.882	82.265
82.0	89.809	86.217	81.667	78.254	76.757
82.5	82.984	79.870	75.799	72.805	71.428

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CANDELA TABULATION - (Cont.)

83.0	76.278	73.584	70.051	67.297	66.219
83.5	69.692	67.357	64.244	61.849	61.010
84.0	63.286	61.370	58.436	56.460	55.682
84.5	57.059	55.502	52.808	51.191	50.533
85.0	50.952	49.754	47.539	46.102	45.803
85.5	44.965	44.066	42.390	41.312	41.372
86.0	39.157	38.438	37.361	36.882	36.882
86.5	33.529	33.050	32.331	32.212	32.331
87.0	28.020	27.841	27.422	27.422	27.601
87.5	22.752	22.572	22.632	22.931	23.051
88.0	17.662	17.782	18.321	18.740	18.920
88.5	12.933	13.352	14.369	14.489	14.609
89.0	8.741	9.400	9.999	9.041	8.981
89.5	6.047	6.227	4.670	4.431	4.910
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-L8-840-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-L8-840-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-L8-840-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	517.06	N.A.	15.70
0-30	1058.56	N.A.	32.10
0-40	1661.44	N.A.	50.40
0-60	2708.93	N.A.	82.20
0-80	3241.54	N.A.	98.30
0-90	3296.09	N.A.	100.00
10-90	3159.09	N.A.	95.80
20-40	1144.38	N.A.	34.70
20-50	1716.47	N.A.	52.10
40-70	1389.76	N.A.	42.20
60-80	532.60	N.A.	16.20
70-80	190.34	N.A.	5.80
80-90	54.56	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	3296.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.00
10-20	380.06
20-30	541.51
30-40	602.87
40-50	572.09
50-60	475.41
60-70	342.26
70-80	190.34
80-90	54.56
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-L8-840-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-L8-840-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

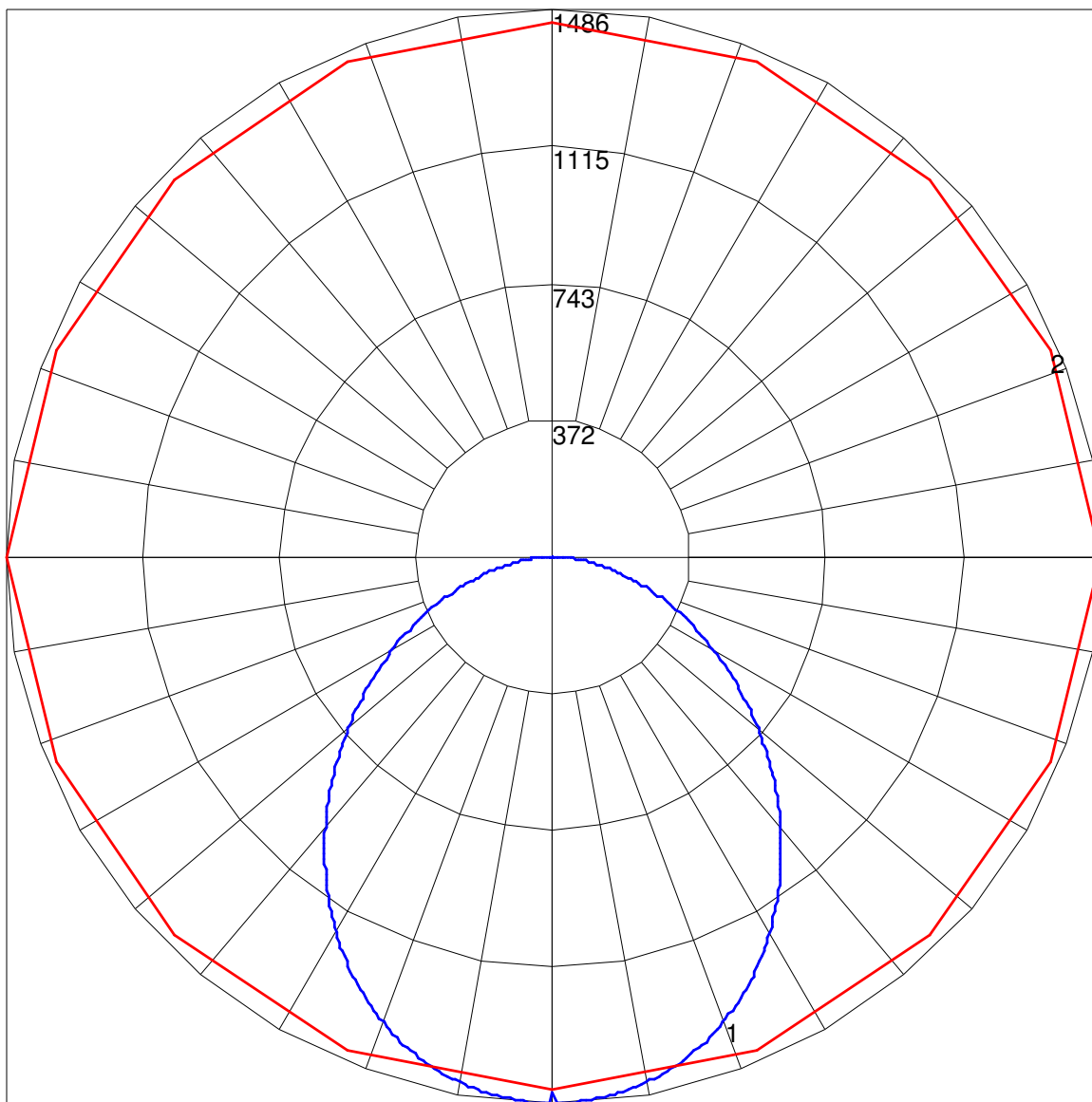
4H	2H	22.2	23.5	22.6	23.8	24.2	21.2	22.6	21.6	22.9	23.3
	3H	24.1	25.2	24.5	25.6	26.0	23.1	24.2	23.5	24.6	25.0
	4H	24.9	25.9	25.3	26.3	26.7	23.8	24.8	24.3	25.3	25.7
	6H	25.5	26.3	25.9	26.8	27.2	24.4	25.3	24.9	25.7	26.2
	8H	25.6	26.5	26.1	26.9	27.4	24.6	25.4	25.1	25.9	26.3
	12H	25.8	26.5	26.3	27.0	27.5	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 = 1486.044 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.)