



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-8-L4-840-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-L4-840-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	3337
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
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	9744	8405	7667
55	8686	7386	6762
65	7657	6511	5994
75	6316	5543	5166
85	4765	4445	4283

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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	1478.553	1478.553	1478.553	1478.553	1478.553
0.5	1504.620	1479.765	1471.278	1474.915	1467.641
1.0	1504.620	1479.159	1471.278	1474.915	1467.035
1.5	1504.014	1479.159	1470.672	1474.309	1466.428
2.0	1503.407	1477.946	1469.459	1473.703	1464.610
2.5	1502.801	1476.734	1468.853	1471.884	1463.397
3.0	1501.589	1475.522	1467.035	1470.672	1460.972
3.5	1500.376	1474.309	1465.216	1468.247	1458.548
4.0	1499.164	1473.097	1463.397	1466.428	1456.729
4.5	1497.951	1471.278	1461.579	1464.003	1453.698
5.0	1496.739	1469.459	1458.548	1460.972	1450.667
5.5	1494.314	1467.035	1456.123	1457.335	1446.423
6.0	1492.495	1464.610	1453.092	1454.304	1442.786
6.5	1490.677	1462.791	1450.061	1450.061	1438.543
7.0	1488.252	1459.760	1447.030	1445.817	1434.299
7.5	1485.827	1457.335	1443.392	1441.574	1429.449
8.0	1483.402	1453.698	1439.755	1436.724	1425.206
8.5	1480.371	1450.667	1435.511	1431.874	1419.750
9.0	1477.340	1447.636	1431.268	1426.418	1414.294
9.5	1474.309	1443.998	1426.418	1420.356	1408.232
10.0	1471.278	1440.361	1421.569	1414.900	1402.776
10.5	1467.641	1436.724	1416.719	1408.838	1395.501
11.0	1464.003	1432.480	1411.263	1402.776	1388.833
11.5	1459.760	1428.237	1405.807	1396.108	1382.165
12.0	1455.516	1423.387	1399.745	1389.439	1374.890
12.5	1451.879	1418.538	1393.683	1382.165	1367.009
13.0	1447.030	1413.688	1387.621	1374.890	1359.735
13.5	1442.180	1408.232	1380.952	1367.009	1351.854
14.0	1437.936	1402.776	1374.890	1359.735	1343.973
14.5	1432.480	1397.320	1367.616	1351.854	1335.486
15.0	1427.631	1391.864	1360.947	1343.367	1327.606
15.5	1422.175	1385.802	1353.067	1334.880	1318.512
16.0	1417.931	1380.346	1345.792	1326.393	1309.419
16.5	1413.688	1374.284	1337.911	1317.300	1300.326
17.0	1408.232	1368.222	1330.030	1308.207	1291.233
17.5	1400.351	1362.160	1322.150	1299.114	1281.533
18.0	1393.077	1356.704	1314.269	1289.414	1271.228
18.5	1385.802	1349.429	1305.782	1279.715	1260.922
19.0	1379.740	1341.549	1297.295	1269.409	1250.617
19.5	1373.072	1333.668	1288.808	1259.104	1239.705
20.0	1366.403	1325.787	1279.715	1249.404	1228.187
20.5	1359.129	1317.906	1271.228	1239.099	1217.275
21.0	1351.854	1310.632	1262.135	1228.187	1205.757
21.5	1344.580	1302.751	1253.041	1217.881	1194.845
22.0	1336.699	1294.264	1243.342	1206.969	1183.327
22.5	1329.424	1286.383	1234.249	1195.451	1172.415
23.0	1320.937	1277.896	1225.762	1184.539	1161.503
23.5	1313.057	1268.803	1216.063	1173.628	1149.985
24.0	1304.570	1260.316	1205.151	1162.716	1139.074
24.5	1296.083	1251.223	1194.845	1151.804	1127.555
25.0	1287.596	1242.736	1183.933	1140.286	1116.037
25.5	1279.109	1233.036	1173.628	1129.374	1104.519
26.0	1270.015	1223.943	1162.716	1117.856	1093.608
26.5	1261.528	1214.244	1152.410	1106.944	1082.696

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**CANDELA TABULATION - (Cont.)**

27.0	1251.829	1205.151	1141.498	1096.032	1071.178
27.5	1242.736	1194.845	1131.193	1085.121	1059.053
28.0	1233.643	1185.146	1120.281	1074.209	1048.142
28.5	1224.549	1175.446	1109.369	1062.691	1037.230
29.0	1214.850	1165.141	1099.063	1051.173	1026.318
29.5	1204.544	1154.835	1088.152	1039.655	1015.406
30.0	1194.845	1144.529	1077.240	1028.743	1003.888
30.5	1184.539	1134.830	1066.934	1017.831	992.370
31.0	1174.234	1124.524	1056.022	1006.313	980.852
31.5	1163.322	1113.613	1044.504	994.795	969.940
32.0	1153.016	1103.307	1033.593	983.277	958.422
32.5	1142.105	1092.395	1022.681	971.759	946.904
33.0	1131.799	1081.483	1011.163	960.241	935.386
33.5	1120.887	1070.571	1000.251	949.329	923.868
34.0	1109.975	1059.660	989.339	937.811	912.350
34.5	1099.670	1048.142	977.215	926.293	900.832
35.0	1088.758	1037.230	966.303	914.169	889.314
35.5	1077.846	1025.712	954.785	902.651	878.402
36.0	1066.328	1014.800	943.873	891.739	866.884
36.5	1055.416	1003.282	932.355	880.221	855.972
37.0	1044.504	991.764	920.837	868.096	844.454
37.5	1032.986	980.246	909.319	857.185	834.149
38.0	1022.074	968.728	897.801	845.667	822.631
38.5	1010.556	957.210	886.889	834.755	811.719
39.0	999.038	945.692	874.765	823.237	800.807
39.5	987.520	934.174	863.247	812.325	789.895
40.0	975.396	922.656	851.729	800.807	778.983
40.5	963.272	911.138	840.211	790.501	768.678
41.0	951.754	899.620	828.693	779.589	757.160
41.5	939.630	887.495	817.175	768.678	746.248
42.0	927.505	875.977	806.263	757.160	735.942
42.5	915.987	863.853	794.745	746.248	725.030
43.0	903.863	852.335	783.833	735.942	714.725
43.5	891.739	840.211	771.709	725.637	704.419
44.0	879.615	828.693	760.797	714.725	694.113
44.5	867.490	817.175	749.279	703.813	683.808
45.0	855.972	805.050	738.367	693.507	673.502
45.5	843.848	793.532	727.455	683.202	663.197
46.0	831.724	782.014	716.543	672.896	653.497
46.5	820.206	769.890	705.025	662.590	643.192
47.0	808.081	758.372	694.113	652.285	633.492
47.5	796.563	746.854	683.808	641.373	623.793
48.0	784.439	735.336	672.896	631.674	613.487
48.5	772.315	723.818	662.590	621.368	604.151
49.0	760.797	711.694	651.072	611.669	594.391
49.5	748.673	700.176	640.767	601.302	584.631
50.0	737.155	689.264	629.855	591.179	574.871
50.5	725.030	677.746	619.549	581.600	565.596
51.0	713.512	666.228	608.637	572.204	556.382
51.5	701.388	654.710	598.392	562.626	546.319
52.0	689.870	643.798	587.723	552.745	536.862
52.5	677.746	632.280	577.175	542.863	527.769
53.0	666.228	621.368	566.748	533.103	518.069
53.5	654.103	610.456	556.806	523.950	509.279
54.0	642.585	598.999	546.743	514.917	500.004
54.5	631.067	587.784	536.498	505.642	490.911

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**CANDELA TABULATION - (Cont.)**

55.0	618.943	576.811	526.314	496.064	481.818
55.5	607.425	565.960	516.433	486.364	472.543
56.0	595.846	555.170	506.794	477.029	463.753
56.5	584.510	544.500	496.973	468.239	455.023
57.0	573.113	533.710	487.274	459.570	446.657
57.5	561.959	523.161	477.877	450.416	437.989
58.0	550.865	512.795	468.299	441.080	429.077
58.5	540.135	502.429	458.539	431.926	420.408
59.0	529.163	492.366	448.840	423.076	412.285
59.5	518.372	482.303	439.383	414.407	403.919
60.0	507.521	472.361	430.290	405.981	395.311
60.5	496.973	462.419	421.318	397.494	386.885
61.0	486.486	452.416	412.225	388.825	378.762
61.5	475.938	442.414	402.768	380.095	370.396
62.0	465.389	432.715	393.553	371.487	362.030
62.5	454.902	423.136	384.824	363.182	353.907
63.0	444.354	413.376	376.458	355.059	345.966
63.5	433.745	403.677	368.092	347.420	338.024
64.0	423.197	393.917	359.484	339.782	330.083
64.5	412.649	384.218	350.573	331.538	322.323
65.0	402.040	374.639	341.843	322.929	314.685
65.5	391.492	365.001	333.599	315.170	307.168
66.0	381.005	355.362	325.536	308.198	299.954
66.5	370.457	345.784	317.352	301.045	292.619
67.0	359.969	336.327	308.805	293.286	285.102
67.5	349.542	326.930	300.196	284.920	277.464
68.0	339.115	317.413	291.588	276.312	269.643
68.5	328.810	307.956	283.041	268.310	261.884
69.0	318.625	298.499	274.917	260.853	254.367
69.5	308.441	289.285	266.915	253.457	246.789
70.0	298.317	280.070	258.428	245.334	238.787
70.5	288.375	270.795	249.760	236.605	230.846
71.0	278.373	261.520	241.212	228.239	223.026
71.5	268.552	252.366	232.846	220.722	215.448
72.0	258.792	243.516	224.844	213.751	208.113
72.5	249.153	234.786	217.145	206.537	201.081
73.0	239.696	226.117	209.325	198.838	193.927
73.5	230.300	217.388	201.263	191.139	186.532
74.0	221.086	208.780	193.200	183.743	179.500
74.5	211.993	200.353	185.562	176.772	172.892
75.0	203.081	192.169	178.227	169.921	166.102
75.5	194.291	184.046	171.013	163.011	159.131
76.0	185.622	175.984	163.617	156.160	152.523
76.5	177.075	167.860	156.282	149.128	146.037
77.0	168.588	159.919	148.886	142.217	139.308
77.5	160.283	152.099	141.854	135.428	132.457
78.0	151.978	144.339	135.004	128.820	125.971
78.5	143.794	136.701	128.153	122.273	119.788
79.0	135.852	129.245	121.303	115.847	113.665
79.5	127.971	121.909	114.574	109.543	107.603
80.0	120.273	114.695	108.027	103.238	101.480
80.5	112.634	107.603	101.541	96.994	95.236
81.0	105.239	100.631	94.994	90.871	89.113
81.5	98.025	93.842	88.689	84.930	83.294
82.0	90.932	87.295	82.687	79.232	77.716
82.5	84.021	80.869	76.747	73.715	72.321

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**CANDELA TABULATION - (Cont.)**

83.0	77.231	74.504	70.927	68.138	67.047
83.5	70.563	68.199	65.047	62.622	61.773
84.0	64.077	62.137	59.166	57.166	56.378
84.5	57.772	56.196	53.468	51.831	51.164
85.0	51.589	50.376	48.133	46.678	46.375
85.5	45.527	44.617	42.920	41.829	41.889
86.0	39.646	38.919	37.828	37.343	37.343
86.5	33.948	33.463	32.735	32.614	32.735
87.0	28.371	28.189	27.765	27.765	27.946
87.5	23.036	22.854	22.915	23.218	23.339
88.0	17.883	18.005	18.550	18.974	19.156
88.5	13.094	13.519	14.549	14.670	14.792
89.0	8.851	9.518	10.124	9.154	9.093
89.5	6.123	6.305	4.728	4.486	4.971
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-L4-840-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 : LRX2-8-L4-840-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 : LRX2-8-L4-840-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	523.52	N.A.	15.70
0-30	1071.79	N.A.	32.10
0-40	1682.2	N.A.	50.40
0-60	2742.8	N.A.	82.20
0-80	3282.06	N.A.	98.30
0-90	3337.29	N.A.	100.00
10-90	3198.58	N.A.	95.80
20-40	1158.69	N.A.	34.70
20-50	1737.92	N.A.	52.10
40-70	1407.13	N.A.	42.20
60-80	539.26	N.A.	16.20
70-80	192.72	N.A.	5.80
80-90	55.24	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	3337.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	138.71
10-20	384.81
20-30	548.27
30-40	610.41
40-50	579.24
50-60	481.35
60-70	346.54
70-80	192.72
80-90	55.24
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-L4-840-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 : LRX2-8-L4-840-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

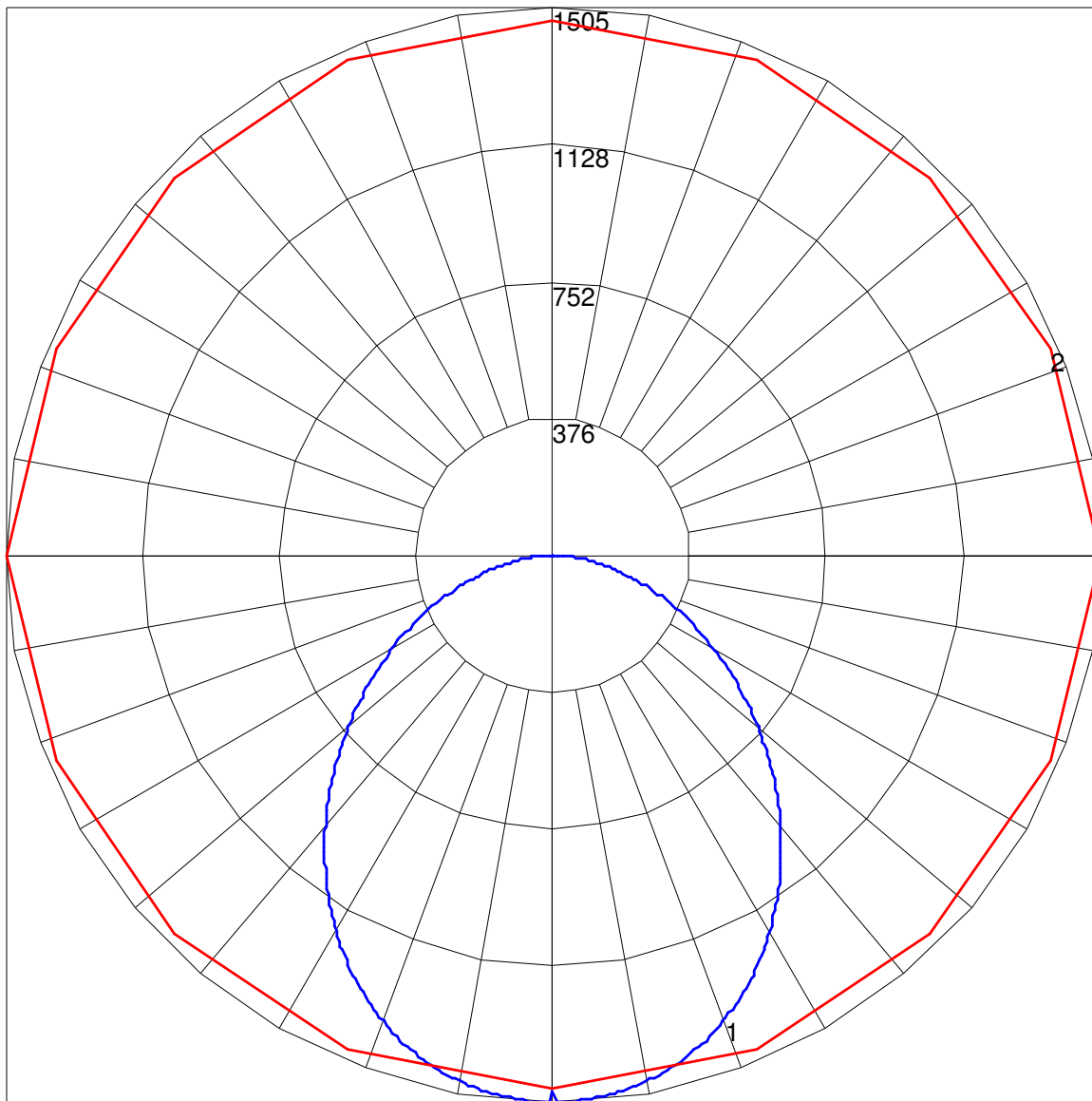
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	19.3	20.9	19.7	21.2	21.5	18.2	19.7	18.5	20.0	20.3
	3H	21.0	22.4	21.4	22.8	23.1	19.8	21.2	20.2	21.6	21.9
	4H	21.6	23.0	22.0	23.3	23.7	20.4	21.8	20.8	22.1	22.5
	6H	22.1	23.3	22.5	23.7	24.1	20.9	22.1	21.3	22.5	22.9
	8H	22.2	23.4	22.7	23.8	24.2	21.0	22.2	21.5	22.6	23.0
	12H	22.3	23.5	22.8	23.8	24.3	21.1	22.3	21.6	22.7	23.1
4H	2H	19.8	21.1	20.2	21.4	21.8	18.8	20.1	19.2	20.5	20.9
	3H	21.7	22.8	22.1	23.2	23.6	20.7	21.8	21.1	22.2	22.6
	4H	22.5	23.5	22.9	23.9	24.3	21.4	22.4	21.9	22.9	23.3
	6H	23.0	23.9	23.5	24.4	24.8	22.0	22.9	22.5	23.3	23.8
	8H	23.2	24.0	23.7	24.5	25.0	22.2	23.0	22.7	23.5	23.9
	12H	23.4	24.1	23.9	24.6	25.1	22.4	23.1	22.9	23.6	24.0
8H	4H	22.7	23.5	23.1	23.9	24.4	21.8	22.6	22.2	23.0	23.5
	6H	23.4	24.0	23.9	24.5	25.0	22.5	23.1	23.0	23.6	24.1
	8H	23.6	24.2	24.1	24.7	25.2	22.7	23.3	23.2	23.9	24.3
	12H	23.9	24.4	24.4	24.9	25.4	23.0	23.5	23.5	24.0	24.6
12H	4H	22.7	23.4	23.2	23.9	24.4	21.8	22.5	22.3	23.0	23.5
	6H	23.4	24.0	23.9	24.5	25.0	22.5	23.2	23.1	23.6	24.2
	8H	23.7	24.3	24.2	24.8	25.3	22.9	23.4	23.4	23.9	24.5

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 1504.62 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.)