



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX5-4-L8-835-S-DMA-DRV-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.04

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 1-SEP-2021

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] LRX5-4-L8-835-DMA-DIM-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] white LEDs

[BALLAST] (1) Everline Driver

[OTHER] This test was performed using the calibrated photodetector method

[MORE] of absolute photometry.

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Commercial, Office, Direct, Linear

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3212
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	25.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.94 ft
Luminous Width (90-270)	0.44 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7332	6427	5880
55	6369	5444	4932
65	5372	4577	4155
75	4279	3725	3445
85	3100	2858	2780

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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	1405.823	1405.823	1405.823	1405.823	1405.823
0.5	1423.756	1406.240	1399.985	1404.572	1401.653
1.0	1423.756	1405.823	1399.568	1404.572	1401.236
1.5	1422.922	1405.406	1399.568	1404.155	1400.819
2.0	1422.505	1404.989	1398.734	1403.738	1400.402
2.5	1421.671	1404.155	1397.900	1402.904	1399.568
3.0	1420.837	1403.321	1397.066	1402.070	1398.317
3.5	1420.002	1402.487	1396.232	1401.236	1397.483
4.0	1419.168	1401.236	1394.980	1399.985	1395.814
4.5	1417.917	1399.985	1393.729	1398.317	1394.146
5.0	1416.666	1398.317	1392.061	1396.649	1392.061
5.5	1414.998	1397.066	1390.393	1394.563	1389.976
6.0	1413.330	1395.397	1388.308	1392.478	1387.474
6.5	1412.079	1393.312	1386.223	1389.976	1384.972
7.0	1409.994	1391.227	1384.138	1387.474	1382.469
7.5	1407.908	1389.142	1381.635	1384.555	1379.550
8.0	1405.823	1387.057	1379.133	1381.635	1376.631
8.5	1403.738	1384.555	1376.214	1378.299	1373.295
9.0	1401.236	1382.052	1373.295	1374.546	1369.541
9.5	1398.734	1379.550	1369.958	1370.792	1365.788
10.0	1396.232	1376.631	1366.622	1367.039	1361.618
10.5	1393.312	1373.712	1362.869	1362.869	1357.030
11.0	1390.393	1370.375	1359.115	1358.281	1352.443
11.5	1387.474	1367.039	1355.362	1353.694	1347.438
12.0	1384.138	1363.703	1350.775	1349.107	1342.017
12.5	1380.801	1359.950	1346.604	1343.685	1337.013
13.0	1377.048	1356.196	1342.017	1338.681	1331.174
13.5	1373.295	1352.026	1337.430	1333.259	1325.753
14.0	1369.541	1347.856	1332.842	1327.421	1319.914
14.5	1365.371	1343.685	1327.838	1321.582	1313.659
15.0	1361.201	1339.098	1322.416	1315.744	1307.403
15.5	1357.030	1334.510	1316.995	1309.488	1301.148
16.0	1352.443	1329.506	1311.156	1302.816	1294.475
16.5	1347.438	1324.502	1305.318	1296.143	1287.386
17.0	1342.434	1319.497	1299.062	1289.471	1279.879
17.5	1337.430	1314.076	1292.807	1282.381	1272.372
18.0	1332.425	1308.654	1286.551	1274.874	1264.449
18.5	1327.004	1302.816	1279.879	1266.951	1256.525
19.0	1321.582	1296.977	1272.789	1259.027	1248.184
19.5	1316.161	1291.139	1265.700	1250.686	1239.427
20.0	1310.322	1284.883	1258.610	1241.929	1230.252
20.5	1304.484	1278.628	1251.104	1233.171	1221.077
21.0	1298.228	1272.372	1243.597	1223.996	1211.485
21.5	1291.973	1265.700	1236.090	1214.404	1201.893
22.0	1285.300	1259.027	1227.750	1204.813	1192.302
22.5	1279.045	1251.938	1219.826	1195.221	1182.710
23.0	1271.955	1244.848	1211.485	1185.629	1172.701
23.5	1265.283	1237.341	1202.728	1175.620	1162.275
24.0	1258.193	1229.835	1193.970	1165.611	1152.266
24.5	1251.104	1221.911	1185.212	1155.603	1141.840
25.0	1243.180	1213.987	1176.037	1145.594	1131.415
25.5	1235.673	1206.064	1166.863	1135.585	1120.572
26.0	1228.167	1197.723	1157.271	1125.576	1109.729
26.5	1220.243	1189.382	1147.679	1115.150	1099.303

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CANDELA TABULATION - (Cont.)

27.0	1211.902	1181.042	1138.087	1104.724	1088.877
27.5	1203.562	1172.284	1128.495	1094.299	1078.034
28.0	1195.221	1163.109	1118.487	1083.873	1067.191
28.5	1186.463	1153.934	1108.478	1073.030	1056.348
29.0	1177.705	1144.760	1098.469	1062.187	1045.506
29.5	1168.948	1135.585	1088.043	1051.344	1034.663
30.0	1159.773	1125.993	1077.617	1040.084	1023.403
30.5	1150.598	1116.401	1067.191	1028.824	1012.560
31.0	1141.423	1106.810	1056.765	1017.564	1000.883
31.5	1131.832	1097.218	1045.923	1006.304	989.623
32.0	1122.240	1087.209	1035.080	994.627	977.946
32.5	1112.648	1077.200	1024.237	982.950	966.269
33.0	1102.639	1066.774	1012.977	971.273	954.175
33.5	1093.047	1056.348	1001.717	959.179	942.081
34.0	1082.622	1045.923	990.457	947.502	929.987
34.5	1072.613	1035.080	979.197	935.408	917.893
35.0	1062.187	1024.654	967.520	923.731	905.799
35.5	1051.761	1013.394	955.843	911.637	893.705
36.0	1040.918	1002.551	944.166	899.543	881.611
36.5	1030.075	991.291	932.489	887.449	869.517
37.0	1019.232	979.614	920.395	875.355	857.423
37.5	1007.972	968.354	908.718	863.261	845.329
38.0	997.130	957.094	896.624	851.167	833.235
38.5	985.453	945.417	884.530	838.656	821.141
39.0	974.193	933.740	872.853	826.979	809.047
39.5	962.516	921.646	860.759	814.885	797.370
40.0	950.839	909.969	848.665	802.791	785.276
40.5	939.162	898.292	836.571	790.697	773.182
41.0	927.485	886.198	824.894	778.603	761.505
41.5	915.808	874.521	812.800	766.509	749.411
42.0	903.714	862.427	801.123	754.415	737.317
42.5	891.620	850.750	789.029	742.321	725.640
43.0	879.943	838.656	776.935	730.644	713.546
43.5	867.849	826.562	764.841	718.550	701.869
44.0	855.755	814.885	752.747	706.873	689.775
44.5	843.661	802.791	740.653	695.197	678.098
45.0	831.567	790.697	728.976	683.520	666.838
45.5	819.473	778.603	716.882	672.260	655.161
46.0	806.962	766.092	704.788	660.583	643.901
46.5	794.868	753.998	693.111	648.906	632.641
47.0	782.774	741.487	681.434	637.646	621.381
47.5	769.846	729.393	669.340	626.386	610.121
48.0	757.335	717.299	657.663	615.126	599.279
48.5	744.824	705.205	646.403	603.866	588.436
49.0	732.313	692.694	634.727	592.606	577.593
49.5	719.802	680.600	623.050	581.763	566.750
50.0	707.708	668.506	611.373	570.503	555.907
50.5	695.197	656.412	600.113	559.660	545.064
51.0	683.103	644.318	588.436	548.817	534.638
51.5	670.591	632.224	577.176	537.975	524.212
52.0	658.497	620.547	565.916	527.549	513.787
52.5	645.986	608.870	554.656	516.706	503.361
53.0	633.892	596.776	543.813	506.280	493.352
53.5	621.798	585.099	532.970	496.271	483.343
54.0	609.704	573.839	522.127	485.845	473.334
54.5	597.610	562.163	511.284	475.836	463.325

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CANDELA TABULATION - (Cont.)

55.0	585.933	550.903	500.858	466.245	453.734
55.5	574.257	540.060	490.016	456.236	443.725
56.0	562.163	528.383	479.590	446.644	434.550
56.5	550.486	517.540	469.581	437.052	424.958
57.0	539.226	506.280	459.155	427.460	415.617
57.5	527.549	495.437	449.146	418.286	406.734
58.0	516.289	484.594	439.137	409.027	397.851
58.5	504.612	473.751	429.129	399.894	389.010
59.0	493.352	463.325	419.537	390.845	380.210
59.5	482.509	452.899	409.736	381.795	371.411
60.0	471.249	442.474	400.061	372.787	362.820
60.5	460.406	432.048	390.595	364.071	354.313
61.0	449.563	421.622	381.295	355.272	345.972
61.5	438.720	411.405	372.078	346.681	337.631
62.0	427.877	401.271	362.862	338.048	329.332
62.5	417.035	391.220	353.812	329.582	321.033
63.0	406.400	381.336	344.846	321.158	312.901
63.5	395.724	371.369	336.005	312.901	304.769
64.0	385.090	361.569	327.372	304.852	296.929
64.5	374.622	351.977	318.739	296.887	289.213
65.0	364.113	342.302	310.232	289.047	281.623
65.5	353.812	332.668	301.724	281.290	274.075
66.0	343.595	323.202	293.259	273.658	266.610
66.5	333.336	313.735	284.876	266.068	259.229
67.0	323.327	304.477	276.577	258.561	251.972
67.5	313.401	295.177	268.403	251.138	244.883
68.0	303.351	286.086	260.271	243.673	237.668
68.5	293.509	276.953	252.181	236.208	230.453
69.0	283.834	267.945	244.132	228.743	223.197
69.5	274.242	259.020	235.916	221.279	215.982
70.0	264.900	250.137	227.951	213.939	208.851
70.5	255.684	241.421	220.153	206.724	201.803
71.0	246.551	232.789	212.437	199.593	194.880
71.5	237.543	224.323	204.847	192.545	188.041
72.0	228.618	215.899	197.257	185.622	181.327
72.5	219.735	207.683	189.792	178.741	174.696
73.0	211.103	199.509	182.536	171.985	168.148
73.5	202.512	191.586	175.446	165.354	161.726
74.0	194.046	183.787	168.440	158.848	155.429
74.5	185.789	176.114	161.517	152.426	149.173
75.0	177.615	168.524	154.636	146.087	143.001
75.5	169.566	161.017	147.839	139.832	136.871
76.0	161.643	153.636	141.166	133.660	130.907
76.5	153.844	146.379	134.619	127.613	124.985
77.0	146.171	139.290	128.196	121.649	119.230
77.5	138.622	132.325	121.857	115.852	113.517
78.0	131.241	125.402	115.644	110.097	107.803
78.5	123.943	118.605	109.472	104.342	102.215
79.0	116.811	111.890	103.425	98.670	96.710
79.5	109.847	105.260	97.419	93.124	91.289
80.0	103.091	98.879	91.581	87.744	86.076
80.5	96.543	92.582	85.951	82.448	80.946
81.0	90.163	86.451	80.404	77.235	75.859
81.5	83.866	80.446	74.941	72.147	70.938
82.0	77.694	74.524	69.603	67.101	66.017
82.5	71.563	68.769	64.348	62.180	61.221

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CANDELA TABULATION - (Cont.)

83.0	65.641	63.139	59.261	57.426	56.508
83.5	59.886	57.676	54.256	52.713	51.962
84.0	54.214	52.380	49.377	48.084	47.500
84.5	48.710	47.167	44.623	43.538	43.163
85.0	43.330	42.079	39.952	39.076	38.868
85.5	38.075	37.074	35.323	34.697	34.697
86.0	32.987	32.237	30.819	30.485	30.652
86.5	28.066	27.608	26.523	26.398	26.732
87.0	23.354	23.145	22.353	22.436	22.937
87.5	18.767	18.850	18.266	18.641	19.267
88.0	14.388	14.680	14.388	14.972	15.514
88.5	10.342	10.718	10.509	10.718	10.759
89.0	6.923	7.173	7.131	7.382	7.924
89.5	4.712	4.379	4.587	5.463	6.089
90.0	2.794	2.252	2.544	3.295	3.712
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 : LRX5-4-L8-835-S-DMA-DRV-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 : LRX5-4-L8-835-S-DMA-DRV-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 : LRX5-4-L8-835-S-DMA-DRV-UNV.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	506.45	N.A.	15.80
0-30	1049.35	N.A.	32.70
0-40	1657.92	N.A.	51.60
0-60	2683.61	N.A.	83.60
0-80	3165.39	N.A.	98.60
0-90	3211.86	N.A.	100.00
10-90	3079.24	N.A.	95.90
20-40	1151.47	N.A.	35.80
20-50	1720.61	N.A.	53.60
40-70	1339.68	N.A.	41.70
60-80	481.77	N.A.	15.00
70-80	167.79	N.A.	5.20
80-90	46.48	N.A.	1.40
90-110	0.08	N.A.	0.00
90-120	0.08	N.A.	0.00
90-130	0.08	N.A.	0.00
90-150	0.08	N.A.	0.00
90-180	0.08	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3211.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.62
10-20	373.83
20-30	542.91
30-40	608.56
40-50	569.15
50-60	456.55
60-70	313.98
70-80	167.79
80-90	46.48
90-100	0.08
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 : LRX5-4-L8-835-S-DMA-DRV-UNV.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	63	63	63	63	62	62	62	62	59	59	59	56	56	56	54	54	54	53
1	58	56	54	52	57	55	53	51	52	51	49	50	49	48	48	47	46	45
2	53	49	46	43	52	48	45	42	46	44	41	45	42	41	43	41	40	39
3	49	44	40	36	48	43	39	36	41	38	35	40	37	35	38	36	34	33
4	45	39	35	31	44	38	34	31	37	33	31	36	33	30	35	32	30	29
5	42	35	31	27	40	34	30	27	33	30	27	32	29	26	31	29	26	25
6	39	32	27	24	38	31	27	24	30	27	24	29	26	23	29	26	23	22
7	36	29	24	21	35	29	24	21	28	24	21	27	24	21	26	23	21	20
8	33	27	22	19	33	26	22	19	25	22	19	25	21	19	24	21	19	18
9	31	24	20	17	31	24	20	17	24	20	17	23	20	17	22	19	17	16
10	29	23	19	16	29	22	18	16	22	18	16	21	18	16	21	18	16	15

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX5-4-L8-835-S-DMA-DRV-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	20.4	22.0	20.8	22.3	22.6	19.1	20.7	19.5	21.0	21.3
	3H	22.0	23.4	22.4	23.7	24.1	20.7	22.1	21.0	22.4	22.7
	4H	22.5	23.9	22.9	24.2	24.6	21.2	22.5	21.6	22.9	23.2
	6H	22.9	24.2	23.3	24.5	24.9	21.6	22.8	22.0	23.2	23.6
	8H	23.1	24.2	23.5	24.6	25.0	21.8	22.9	22.2	23.3	23.7
	12H	23.1	24.2	23.6	24.6	25.1	21.8	22.9	22.3	23.3	23.8

UGR Viewed Endwise

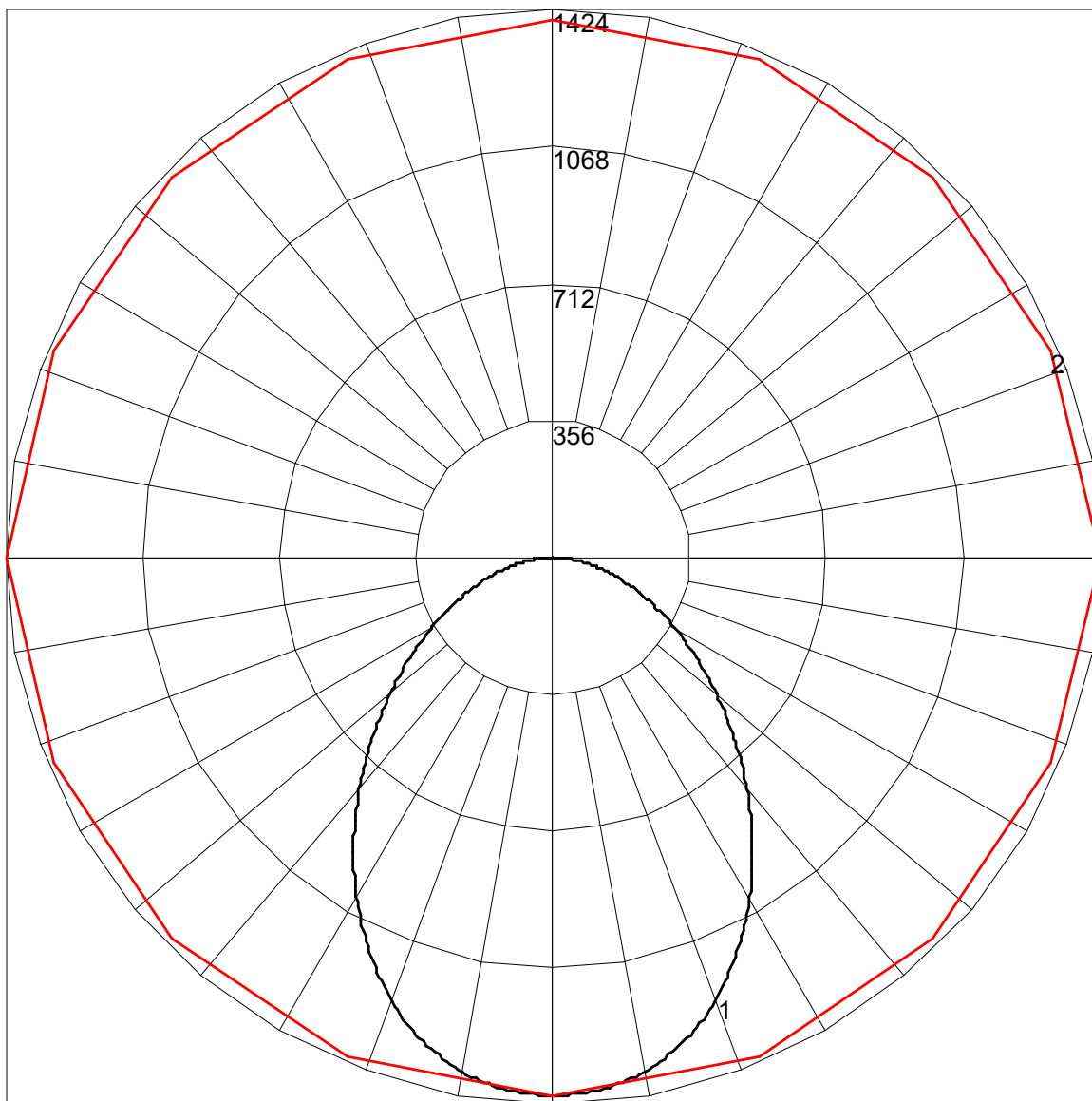
4H	2H	20.8	22.1	21.2	22.5	22.9	19.8	21.1	20.2	21.4	21.8
	3H	22.6	23.7	23.0	24.1	24.5	21.5	22.6	21.9	23.0	23.4
	4H	23.3	24.3	23.7	24.7	25.1	22.2	23.2	22.6	23.6	24.0
	6H	23.8	24.7	24.3	25.1	25.6	22.7	23.5	23.1	24.0	24.4
	8H	24.0	24.8	24.4	25.2	25.7	22.9	23.7	23.3	24.1	24.6
	12H	24.1	24.8	24.6	25.3	25.8	23.0	23.7	23.5	24.2	24.7

8H	4H	23.5	24.3	23.9	24.7	25.2	22.5	23.3	22.9	23.7	24.2
	6H	24.1	24.8	24.6	25.3	25.7	23.1	23.8	23.6	24.3	24.7
	8H	24.3	24.9	24.9	25.4	25.9	23.4	23.9	23.9	24.5	24.9
	12H	24.5	25.1	25.0	25.5	26.1	23.5	24.1	24.1	24.6	25.1

12H	4H	23.5	24.2	24.0	24.7	25.2	22.5	23.2	23.0	23.7	24.2
	6H	24.1	24.7	24.7	25.2	25.7	23.2	23.8	23.7	24.2	24.8
	8H	24.4	24.9	24.9	25.4	26.0	23.4	24.0	24.0	24.5	25.0

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 1423.756 Located At Horizontal Angle = 0, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)