



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX3-8-L4-835-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.01

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 1 SEP, 2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] LRX3-8-L4-835-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_SOURCE] 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	3409
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	29.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.02
Spacing Criterion (Diagonal)	1.18
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.94 ft
Luminous Width (90-270)	0.27 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6638	5205	4482
55	5700	4341	3801
65	4749	3671	3287
75	3728	3036	2808
85	2670	2416	2380

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX3-8-L4-835-DMA-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1618.056	1618.056	1618.056	1618.056	1618.056
0.5	1641.108	1618.942	1610.963	1617.169	1610.963
1.0	1641.108	1618.942	1610.076	1617.169	1610.076
1.5	1641.108	1618.056	1609.190	1616.283	1610.076
2.0	1640.221	1617.169	1609.190	1615.396	1608.303
2.5	1639.334	1616.283	1607.417	1613.623	1607.417
3.0	1638.448	1615.396	1606.530	1612.736	1605.643
3.5	1637.561	1614.509	1604.757	1610.963	1602.984
4.0	1635.788	1612.736	1602.984	1608.303	1600.324
4.5	1634.901	1610.963	1600.324	1605.643	1597.664
5.0	1633.128	1609.190	1598.550	1602.984	1594.117
5.5	1631.355	1607.417	1595.891	1599.437	1590.571
6.0	1629.582	1604.757	1592.344	1595.891	1587.025
6.5	1627.808	1602.097	1589.684	1591.458	1582.592
7.0	1625.149	1600.324	1586.138	1587.025	1578.159
7.5	1623.375	1596.777	1582.592	1582.592	1572.839
8.0	1620.716	1594.117	1578.159	1577.272	1567.519
8.5	1618.056	1591.458	1574.612	1571.952	1562.200
9.0	1615.396	1587.911	1569.292	1565.746	1555.993
9.5	1612.736	1584.365	1564.859	1559.540	1549.787
10.0	1609.190	1580.818	1559.540	1553.334	1542.694
10.5	1605.643	1576.385	1554.220	1547.127	1535.601
11.0	1602.097	1572.839	1548.901	1539.148	1527.622
11.5	1598.550	1568.406	1542.694	1532.055	1519.643
12.0	1594.117	1563.086	1536.488	1524.076	1510.776
12.5	1589.684	1558.653	1530.282	1516.096	1502.797
13.0	1586.138	1553.334	1523.189	1508.117	1493.931
13.5	1581.705	1548.901	1516.096	1499.251	1484.178
14.0	1576.385	1542.694	1509.003	1490.385	1474.426
14.5	1571.066	1537.375	1501.910	1480.632	1464.673
15.0	1566.633	1532.055	1493.931	1470.879	1454.034
15.5	1561.313	1525.849	1485.952	1461.127	1443.394
16.0	1555.107	1519.643	1477.085	1450.487	1432.755
16.5	1549.787	1512.550	1469.106	1439.848	1421.229
17.0	1543.581	1506.343	1460.240	1429.209	1409.703
17.5	1537.375	1499.251	1451.374	1417.683	1398.178
18.0	1532.055	1493.044	1441.621	1406.157	1384.878
18.5	1525.849	1485.065	1431.869	1393.745	1372.466
19.0	1519.643	1477.972	1422.116	1381.332	1359.167
19.5	1512.550	1469.993	1412.363	1368.920	1344.981
20.0	1505.457	1462.013	1401.724	1355.620	1330.795
20.5	1498.364	1454.034	1391.085	1342.321	1316.610
21.0	1491.271	1446.054	1379.559	1328.136	1302.424
21.5	1483.292	1437.188	1368.920	1314.837	1287.352
22.0	1476.199	1428.322	1358.280	1300.651	1273.166
22.5	1468.219	1419.456	1345.868	1285.579	1258.094
23.0	1460.240	1410.590	1334.342	1271.393	1243.021
23.5	1451.374	1400.837	1321.929	1257.207	1228.836
24.0	1442.508	1391.085	1309.517	1243.021	1213.764
24.5	1433.642	1381.332	1297.991	1227.949	1198.691
25.0	1425.662	1371.579	1284.692	1213.764	1182.732
25.5	1415.910	1361.827	1272.279	1199.578	1167.660
26.0	1407.044	1351.187	1258.980	1184.506	1152.588
26.5	1397.291	1340.548	1246.568	1170.320	1137.515

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX3-8-L4-835-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	1387.538	1329.909	1233.269	1156.134	1122.443
27.5	1377.786	1318.383	1219.970	1141.062	1107.371
28.0	1368.033	1307.744	1206.671	1126.876	1092.298
28.5	1357.394	1296.218	1193.372	1111.804	1077.226
29.0	1347.641	1284.692	1180.072	1097.618	1063.040
29.5	1337.002	1273.166	1166.773	1082.546	1047.968
30.0	1326.362	1261.640	1153.474	1068.360	1032.896
30.5	1315.723	1250.114	1139.289	1053.288	1018.710
31.0	1305.084	1237.702	1125.990	1038.216	1003.638
31.5	1293.558	1225.289	1111.804	1024.030	988.566
32.0	1282.032	1212.877	1097.618	1008.958	974.380
32.5	1270.506	1200.464	1083.432	994.772	960.194
33.0	1258.094	1188.052	1069.247	979.700	946.009
33.5	1246.568	1174.753	1055.061	965.514	930.936
34.0	1234.155	1162.340	1040.875	950.442	916.751
34.5	1222.630	1149.041	1026.690	935.369	901.678
35.0	1210.217	1135.742	1011.617	921.184	887.493
35.5	1196.918	1122.443	997.432	906.998	873.661
36.0	1184.506	1109.144	983.246	892.812	859.653
36.5	1171.206	1094.958	969.060	878.449	845.911
37.0	1158.794	1081.659	954.875	864.352	832.168
37.5	1145.495	1068.360	940.689	850.610	818.249
38.0	1132.196	1054.174	926.503	836.867	804.861
38.5	1118.897	1040.875	912.317	823.391	791.384
39.0	1105.598	1026.690	899.018	810.003	778.351
39.5	1092.298	1012.504	884.833	796.704	765.230
40.0	1078.113	998.318	870.913	783.582	752.640
40.5	1064.814	984.133	857.171	770.549	740.050
41.0	1050.628	969.947	843.517	757.782	727.726
41.5	1037.329	955.761	830.040	745.104	715.314
42.0	1023.143	942.462	816.475	732.602	703.256
42.5	1008.958	928.276	802.822	720.101	691.287
43.0	995.658	914.091	789.257	707.600	679.495
43.5	981.473	899.905	775.957	695.454	667.880
44.0	967.287	885.897	762.570	683.307	656.354
44.5	953.101	871.977	749.359	671.338	645.094
45.0	938.916	857.791	736.238	659.457	634.012
45.5	924.730	843.872	723.116	647.843	623.107
46.0	910.544	829.686	710.260	636.317	612.201
46.5	895.472	815.677	697.138	624.969	601.385
47.0	881.286	801.758	684.548	613.709	590.657
47.5	866.835	787.838	672.047	602.626	580.018
48.0	852.560	774.096	659.635	591.632	569.467
48.5	838.197	760.087	647.311	580.816	559.005
49.0	823.480	746.434	635.164	570.176	548.809
49.5	808.939	732.514	623.018	559.714	538.613
50.0	794.310	718.949	610.960	549.252	528.683
50.5	779.947	705.206	599.168	539.056	518.753
51.0	765.407	691.553	587.376	528.860	509.089
51.5	751.310	677.899	575.762	518.753	499.514
52.0	737.301	664.245	564.236	508.823	490.027
52.5	723.116	650.857	552.799	498.982	480.895
53.0	709.462	637.647	541.539	489.229	471.674
53.5	695.365	624.614	530.368	479.565	462.631
54.0	681.534	611.758	519.462	469.990	453.765
54.5	667.703	598.991	508.734	460.414	444.899

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX3-8-L4-835-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	654.049	586.401	498.095	451.105	436.121
55.5	640.484	573.811	487.545	441.796	427.433
56.0	627.185	561.488	477.083	432.664	418.833
56.5	613.886	549.252	466.798	423.620	410.321
57.0	600.676	537.283	456.691	414.754	401.898
57.5	587.554	525.491	446.761	405.977	393.564
58.0	574.343	513.877	437.008	397.199	385.319
58.5	561.222	502.351	427.255	388.688	376.985
59.0	548.100	490.825	417.680	380.177	368.828
59.5	535.244	479.388	408.105	371.754	360.671
60.0	522.566	468.039	398.618	363.508	352.603
60.5	510.064	456.779	389.309	355.263	344.624
61.0	497.652	445.785	380.177	347.195	336.822
61.5	485.328	434.792	371.222	339.215	329.108
62.0	473.004	423.975	362.267	331.236	321.483
62.5	460.680	413.158	353.312	323.345	313.858
63.0	448.445	402.430	344.535	315.543	306.411
63.5	436.387	391.791	335.846	307.918	299.141
64.0	424.596	381.241	327.335	300.293	291.871
64.5	412.981	370.690	318.823	292.846	284.778
65.0	401.455	360.317	310.312	285.487	277.862
65.5	390.018	350.209	301.801	278.217	271.035
66.0	378.492	340.102	293.467	270.947	264.209
66.5	367.055	330.172	285.221	263.677	257.382
67.0	355.795	320.331	277.064	256.495	250.643
67.5	344.712	310.578	269.085	249.314	243.728
68.0	333.718	300.914	261.105	242.043	236.812
68.5	322.902	291.339	253.126	234.951	229.542
69.0	312.085	281.852	245.147	227.769	222.627
69.5	301.269	272.454	237.167	220.765	215.623
70.0	290.629	263.145	229.454	213.672	208.796
70.5	280.079	254.013	221.740	206.757	202.146
71.0	269.706	244.969	214.293	199.930	195.408
71.5	259.510	236.103	206.845	193.191	188.847
72.0	249.491	227.237	199.398	186.453	182.375
72.5	239.561	218.548	192.039	179.892	175.991
73.0	229.720	209.948	184.857	173.420	169.785
73.5	220.233	201.526	177.764	167.037	163.579
74.0	211.012	193.191	170.849	160.742	157.461
74.5	201.969	185.123	164.022	154.535	151.344
75.0	193.014	177.055	157.195	148.329	145.403
75.5	184.148	169.253	150.457	142.212	139.463
76.0	175.459	161.451	143.807	136.183	133.700
76.5	166.948	153.915	137.335	130.154	127.937
77.0	158.702	146.467	130.863	124.302	122.174
77.5	150.723	139.108	124.568	118.451	116.589
78.0	142.655	131.927	118.273	112.688	111.003
78.5	134.764	124.923	112.067	107.013	105.417
79.0	127.051	118.007	105.949	101.428	100.009
79.5	119.337	111.180	100.009	95.931	94.601
80.0	111.890	104.442	94.158	90.434	89.281
80.5	104.619	97.970	88.572	85.114	84.139
81.0	97.615	91.586	83.075	79.883	78.997
81.5	90.611	85.291	77.578	74.830	74.032
82.0	83.784	79.085	72.170	69.776	69.067
82.5	77.135	72.968	66.850	64.900	64.190

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX3-8-L4-835-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	70.662	67.116	61.619	60.023	59.491
83.5	64.368	61.353	56.565	55.324	54.792
84.0	58.339	55.679	51.689	50.625	50.271
84.5	52.487	50.182	46.813	46.015	45.838
85.0	46.547	44.774	42.114	41.493	41.493
85.5	40.873	39.454	37.415	37.149	37.326
86.0	35.376	34.223	32.804	32.893	33.070
86.5	30.145	29.258	28.283	28.726	29.081
87.0	25.180	24.559	24.027	24.736	25.268
87.5	20.303	19.949	19.860	20.835	21.545
88.0	15.604	15.516	15.870	17.111	17.732
88.5	11.083	11.437	11.969	12.590	12.412
89.0	6.916	7.447	7.625	8.334	8.777
89.5	3.192	4.256	4.965	6.118	6.827
90.0	1.064	2.128	2.660	3.280	3.635
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX3-8-L4-835-DMA-DIM-UNV_.IES

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 : LRX3-8-L4-835-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 : LRX3-8-L4-835-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 : LRX3-8-L4-835-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	574.09	N.A.	16.80
0-30	1168.41	N.A.	34.30
0-40	1811.44	N.A.	53.10
0-60	2864.54	N.A.	84.00
0-80	3359.94	N.A.	98.60
0-90	3409.08	N.A.	100.00
10-90	3257.00	N.A.	95.50
20-40	1237.35	N.A.	36.30
20-50	1823.98	N.A.	53.50
40-70	1374.84	N.A.	40.30
60-80	495.40	N.A.	14.50
70-80	173.66	N.A.	5.10
80-90	49.14	N.A.	1.40
90-110	0.07	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.07	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3409.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	152.08
10-20	422.01
20-30	594.32
30-40	643.03
40-50	586.62
50-60	466.48
60-70	321.74
70-80	173.66
80-90	49.14
90-100	0.07
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 : LRX3-8-L4-835-DMA-DIM-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	47	45
2	53	49	46	43	52	48	45	43	46	44	42	45	43	41	43	41	40	39
3	49	44	40	37	48	43	39	36	41	38	36	40	37	35	39	36	34	33
4	45	39	35	32	44	39	35	31	37	34	31	36	33	31	35	32	30	29
5	42	35	31	28	41	35	31	27	34	30	27	33	29	27	32	29	27	26
6	39	32	28	24	38	32	27	24	31	27	24	30	26	24	29	26	24	23
7	36	29	25	22	35	29	25	22	28	24	22	27	24	21	27	24	21	20
8	34	27	23	20	33	27	22	20	26	22	20	25	22	19	25	22	19	18
9	32	25	21	18	31	25	21	18	24	20	18	23	20	18	23	20	18	17
10	30	23	19	16	29	23	19	16	22	19	16	22	18	16	21	18	16	15

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX3-8-L4-835-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

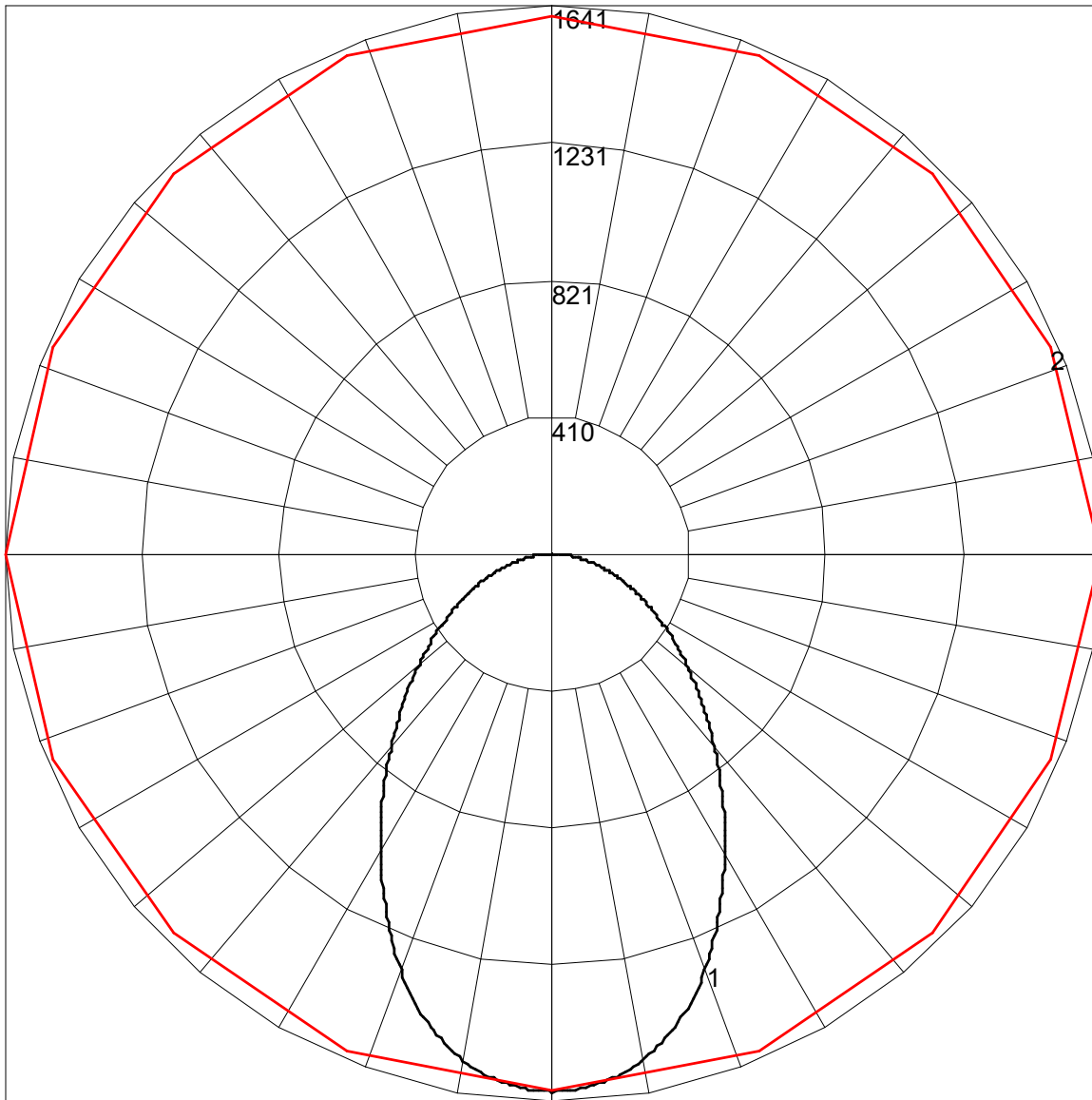
Reflectances

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	19.9	21.5	20.3	21.8	22.1	18.0	19.5	18.3	19.8	20.1
	3H	21.5	22.9	21.9	23.2	23.6	19.6	20.9	19.9	21.3	21.6
	4H	22.1	23.4	22.5	23.7	24.1	20.1	21.4	20.5	21.8	22.2
	6H	22.5	23.7	22.9	24.0	24.4	20.6	21.8	21.0	22.2	22.5
	8H	22.6	23.7	23.0	24.1	24.5	20.7	21.9	21.2	22.3	22.7
	12H	22.7	23.8	23.1	24.1	24.6	20.8	21.9	21.3	22.3	22.8
4H	2H	20.3	21.6	20.7	21.9	22.3	18.6	19.9	19.0	20.3	20.7
	3H	22.1	23.1	22.5	23.5	23.9	20.4	21.5	20.9	21.9	22.3
	4H	22.7	23.7	23.2	24.1	24.6	21.1	22.1	21.6	22.5	23.0
	6H	23.3	24.1	23.7	24.6	25.0	21.7	22.6	22.2	23.0	23.5
	8H	23.5	24.2	23.9	24.7	25.2	21.9	22.7	22.4	23.1	23.6
	12H	23.6	24.3	24.1	24.8	25.2	22.1	22.8	22.5	23.2	23.7
8H	4H	22.9	23.7	23.4	24.1	24.6	21.5	22.3	21.9	22.7	23.2
	6H	23.5	24.2	24.0	24.7	25.2	22.1	22.8	22.6	23.3	23.8
	8H	23.8	24.4	24.3	24.9	25.4	22.4	23.0	22.9	23.5	24.0
	12H	24.0	24.5	24.5	25.0	25.6	22.6	23.2	23.2	23.7	24.2
12H	4H	22.9	23.6	23.4	24.1	24.6	21.5	22.2	22.0	22.7	23.2
	6H	23.6	24.2	24.1	24.6	25.2	22.2	22.8	22.7	23.3	23.8
	8H	23.9	24.4	24.4	24.9	25.4	22.5	23.1	23.0	23.5	24.1

Maximum UGR = 25.6

POLAR GRAPH



Maximum Candela = 1641.108 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.)