



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-4-L8-835-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.02

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 1-SEP-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] LRX4-4-L8-835-DMA-DIM-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] white LEDs

[BALLAST] (1) Everline Driver

[MORE] Hz

[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	3260
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	26.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.94 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9426	7971	6883
55	8169	6594	5658
65	6879	5489	4842
75	5484	4544	4244
85	4057	3839	3858

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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	1457.979	1457.979	1457.979	1457.979	1457.979
0.5	1479.271	1458.539	1451.255	1456.298	1451.255
1.0	1479.271	1457.979	1451.255	1456.298	1451.255
1.5	1478.711	1457.979	1450.694	1456.298	1450.694
2.0	1478.711	1457.418	1450.134	1455.737	1450.134
2.5	1477.590	1456.298	1449.574	1455.177	1449.574
3.0	1477.030	1455.737	1449.013	1454.617	1448.453
3.5	1475.909	1454.617	1447.893	1453.496	1447.332
4.0	1475.349	1453.496	1446.772	1452.375	1446.212
4.5	1473.668	1451.815	1445.651	1451.255	1445.091
5.0	1471.987	1450.694	1443.970	1450.134	1442.850
5.5	1470.866	1449.013	1442.289	1447.893	1441.169
6.0	1469.746	1447.332	1440.608	1446.212	1439.488
6.5	1467.504	1445.651	1438.927	1443.970	1436.686
7.0	1465.823	1443.410	1436.686	1441.169	1434.445
7.5	1464.142	1441.169	1434.445	1438.927	1432.203
8.0	1461.901	1439.488	1431.643	1436.126	1429.962
8.5	1459.660	1436.686	1429.402	1432.764	1426.600
9.0	1456.858	1434.445	1426.040	1429.402	1423.238
9.5	1454.617	1431.643	1423.238	1426.040	1419.876
10.0	1451.815	1428.841	1419.876	1422.678	1415.954
10.5	1449.013	1425.479	1416.514	1418.195	1411.471
11.0	1446.212	1422.678	1412.592	1414.273	1406.989
11.5	1442.850	1419.316	1408.670	1409.790	1401.946
12.0	1439.488	1415.394	1404.747	1404.747	1397.463
12.5	1436.126	1412.032	1400.265	1400.265	1391.860
13.0	1432.203	1408.109	1396.342	1395.222	1386.817
13.5	1428.841	1404.187	1391.299	1389.618	1381.213
14.0	1424.359	1399.704	1386.817	1384.015	1375.610
14.5	1420.436	1395.222	1381.774	1377.851	1370.007
15.0	1415.954	1390.739	1376.170	1372.248	1363.283
15.5	1411.471	1386.256	1370.567	1366.084	1357.119
16.0	1406.428	1381.213	1364.964	1359.361	1350.395
16.5	1401.385	1376.170	1359.361	1352.637	1343.111
17.0	1396.903	1371.127	1353.197	1345.352	1335.827
17.5	1391.299	1365.524	1347.033	1338.068	1327.982
18.0	1386.256	1359.921	1340.309	1330.223	1319.577
18.5	1380.653	1354.318	1333.585	1322.379	1311.172
19.0	1375.050	1348.154	1326.861	1313.413	1302.207
19.5	1369.446	1341.990	1319.577	1304.448	1292.121
20.0	1363.843	1335.827	1311.732	1295.483	1282.595
20.5	1357.680	1329.103	1304.448	1285.957	1272.509
21.0	1351.516	1322.939	1296.043	1275.871	1261.863
21.5	1344.792	1316.215	1288.199	1265.785	1251.777
22.0	1338.068	1308.931	1279.794	1255.139	1240.010
22.5	1331.344	1301.647	1270.828	1244.493	1229.364
23.0	1324.620	1294.362	1262.423	1233.286	1217.597
23.5	1317.336	1286.518	1252.898	1222.640	1205.830
24.0	1310.051	1279.233	1243.933	1211.433	1194.063
24.5	1302.207	1270.828	1233.847	1200.227	1181.736
25.0	1294.362	1262.984	1224.321	1188.460	1169.409
25.5	1285.957	1254.579	1214.235	1176.693	1157.081
26.0	1278.113	1245.614	1204.149	1164.926	1144.754
26.5	1269.708	1237.209	1194.063	1153.719	1131.867

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CANDELA TABULATION - (Cont.)

27.0	1261.303	1228.243	1183.417	1141.392	1118.979
27.5	1252.898	1219.278	1172.771	1129.065	1105.531
28.0	1243.933	1209.752	1162.124	1116.738	1093.204
28.5	1234.967	1200.227	1151.478	1103.850	1079.756
29.0	1226.562	1190.701	1140.271	1090.962	1066.868
29.5	1217.037	1180.615	1129.065	1078.075	1053.420
30.0	1208.071	1171.090	1117.298	1064.627	1039.972
30.5	1197.985	1161.004	1105.531	1051.739	1025.964
31.0	1188.460	1150.357	1093.764	1037.731	1012.516
31.5	1178.934	1140.271	1081.997	1024.283	998.508
32.0	1168.848	1129.625	1069.670	1010.275	984.500
32.5	1158.762	1118.979	1057.343	996.267	970.492
33.0	1148.676	1108.333	1044.455	982.819	956.483
33.5	1138.030	1097.126	1032.128	968.811	941.915
34.0	1127.384	1086.480	1019.240	954.242	927.906
34.5	1116.738	1074.713	1005.792	940.234	913.338
35.0	1105.531	1063.506	992.905	926.225	899.330
35.5	1094.324	1051.739	980.017	912.217	885.321
36.0	1083.118	1040.533	966.569	898.209	871.873
36.5	1071.351	1028.766	953.682	884.761	857.865
37.0	1060.144	1016.439	940.234	870.753	844.978
37.5	1048.377	1004.111	926.786	857.865	830.969
38.0	1036.610	992.344	913.338	844.417	816.961
38.5	1024.844	980.017	900.450	830.969	802.953
39.0	1013.077	967.690	887.002	817.521	788.945
39.5	1000.749	955.363	873.554	804.634	774.936
40.0	988.422	942.475	860.667	791.186	760.928
40.5	976.655	930.148	847.219	777.738	746.920
41.0	964.328	917.260	833.771	763.730	733.472
41.5	952.001	904.933	820.883	749.722	720.024
42.0	939.113	892.606	807.435	736.274	706.576
42.5	927.346	879.718	794.548	722.265	693.689
43.0	915.019	866.830	781.660	708.817	679.680
43.5	902.131	854.503	768.212	695.930	667.353
44.0	889.804	841.616	755.325	683.042	655.026
44.5	876.916	828.728	742.437	669.594	642.698
45.0	864.029	816.401	730.670	656.707	630.932
45.5	851.702	803.513	718.343	644.379	618.604
46.0	838.254	790.626	706.016	632.052	607.398
46.5	825.366	777.738	693.689	619.725	595.631
47.0	812.478	764.850	681.361	607.958	584.424
47.5	799.591	751.963	669.034	596.191	573.218
48.0	786.703	739.075	657.267	584.984	562.011
48.5	773.255	726.188	644.379	573.778	551.253
49.0	760.368	713.300	631.492	562.571	540.438
49.5	746.920	700.412	619.165	551.813	529.736
50.0	734.032	687.525	606.277	540.662	519.034
50.5	721.145	674.637	594.510	529.736	508.443
51.0	708.257	662.310	582.183	519.202	498.414
51.5	695.369	649.422	569.856	508.780	488.216
52.0	682.482	636.535	558.033	498.245	478.130
52.5	669.594	624.208	545.986	487.711	468.380
53.0	656.707	611.880	534.275	477.737	458.350
53.5	644.379	599.553	522.900	468.100	448.376
54.0	632.052	587.786	511.749	457.958	438.850
54.5	619.165	576.019	500.935	448.096	429.549

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CANDELA TABULATION - (Cont.)

55.0	607.398	563.692	490.289	438.346	420.696
55.5	595.070	552.205	479.811	428.596	411.674
56.0	582.743	540.606	469.332	419.127	402.821
56.5	570.416	529.176	459.078	409.881	394.248
57.0	558.537	517.689	448.824	400.916	385.731
57.5	546.658	506.370	438.738	392.119	377.438
58.0	534.667	495.276	429.101	383.490	369.257
58.5	523.068	484.293	419.407	374.861	361.189
59.0	511.245	473.143	409.433	366.344	353.176
59.5	499.702	462.328	399.627	358.051	345.387
60.0	487.991	451.794	390.102	349.814	337.543
60.5	476.561	441.540	380.688	341.689	329.866
61.0	464.906	431.510	371.275	333.733	322.246
61.5	453.531	421.816	362.141	325.832	314.625
62.0	442.381	412.123	352.840	318.043	307.173
62.5	431.398	402.541	343.650	310.311	299.777
63.0	420.247	393.071	334.685	302.690	292.548
63.5	409.321	383.490	325.944	295.238	285.600
64.0	398.507	373.404	317.371	287.954	278.652
64.5	387.580	362.870	309.022	280.781	271.928
65.0	376.878	352.448	300.729	273.721	265.260
65.5	366.232	342.081	292.436	266.717	258.648
66.0	355.641	332.108	284.255	259.713	252.148
66.5	345.331	322.022	276.187	252.821	245.761
67.0	335.077	311.936	268.230	245.929	239.317
67.5	324.935	301.962	260.441	239.149	232.985
68.0	314.849	292.212	252.653	232.313	226.373
68.5	304.763	282.574	244.864	225.477	219.930
69.0	294.734	273.385	237.076	218.641	213.542
69.5	284.704	264.588	229.455	211.861	207.098
70.0	274.786	255.847	221.891	205.249	200.766
70.5	265.036	247.162	214.438	198.749	194.603
71.0	255.454	238.701	207.098	192.361	188.551
71.5	246.041	230.071	199.870	186.030	182.499
72.0	236.739	221.386	192.697	179.754	176.616
72.5	227.550	212.645	185.693	173.646	170.677
73.0	218.529	204.240	178.745	167.595	164.849
73.5	209.675	196.003	171.965	161.655	159.134
74.0	200.878	187.767	165.409	155.828	153.474
74.5	192.361	179.642	158.910	150.056	147.983
75.0	184.012	171.685	152.466	144.341	142.380
75.5	175.607	164.009	146.022	138.682	136.833
76.0	167.539	156.556	139.690	133.078	131.397
76.5	159.582	149.216	133.471	127.587	126.074
77.0	151.793	142.044	127.475	122.152	120.751
77.5	144.229	134.927	121.536	116.773	115.484
78.0	136.664	128.035	115.652	111.450	110.273
78.5	129.268	121.255	109.881	106.126	105.118
79.0	122.040	114.531	104.221	100.915	100.019
79.5	114.812	107.976	98.730	95.704	94.976
80.0	107.807	101.588	93.351	90.605	89.989
80.5	100.971	95.368	88.028	85.562	85.058
81.0	94.304	89.205	82.817	80.631	80.239
81.5	87.748	83.209	77.606	75.701	75.364
82.0	81.248	77.326	72.507	70.770	70.546
82.5	74.860	71.498	67.464	65.951	65.839

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CANDELA TABULATION - (Cont.)

83.0	68.752	65.895	62.533	61.188	61.188
83.5	62.869	60.404	57.658	56.593	56.705
84.0	57.042	55.080	52.839	52.111	52.279
84.5	51.438	49.869	48.020	47.628	47.964
85.0	45.835	44.714	43.370	43.257	43.594
85.5	40.344	39.727	38.719	38.943	39.391
86.0	35.021	34.853	34.236	34.740	35.189
86.5	29.866	30.090	29.810	30.594	31.042
87.0	24.879	25.383	25.495	26.448	26.952
87.5	20.060	20.900	21.293	22.357	22.861
88.0	15.409	16.418	17.090	18.267	18.659
88.5	11.039	12.103	12.888	13.952	13.952
89.0	7.060	8.013	8.405	8.853	8.909
89.5	3.642	4.427	5.099	5.547	5.715
90.0	1.681	2.297	2.297	2.185	2.353
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 : LRX4-4-L8-835-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 : LRX4-4-L8-835-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 : LRX4-4-L8-835-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	526.83	N.A.	16.20
0-30	1090.5	N.A.	33.50
0-40	1712.52	N.A.	52.50
0-60	2732.17	N.A.	83.80
0-80	3210.26	N.A.	98.50
0-90	3259.81	N.A.	100.00
10-90	3122.12	N.A.	95.80
20-40	1185.69	N.A.	36.40
20-50	1755.24	N.A.	53.80
40-70	1329.34	N.A.	40.80
60-80	478.10	N.A.	14.70
70-80	168.40	N.A.	5.20
80-90	49.55	N.A.	1.50
90-110	0.06	N.A.	0.00
90-120	0.06	N.A.	0.00
90-130	0.06	N.A.	0.00
90-150	0.06	N.A.	0.00
90-180	0.06	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3259.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.70
10-20	389.13
20-30	563.68
30-40	622.02
40-50	569.54
50-60	450.10
60-70	309.69
70-80	168.40
80-90	49.55
90-100	0.06
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 : LRX4-4-L8-835-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	79	79	79	79	78	78	78	78	74	74	74	71	71	71	68	68	68	67
1	73	70	68	65	71	69	66	64	66	64	62	63	62	60	61	60	58	57
2	67	62	58	54	65	61	57	54	58	55	52	56	54	51	54	52	50	49
3	62	55	50	46	60	54	49	45	52	48	45	50	47	44	49	46	43	42
4	57	49	44	40	55	48	43	39	47	42	39	45	41	38	44	40	38	36
5	52	44	39	35	51	44	38	34	42	38	34	41	37	34	40	36	33	32
6	49	40	35	30	47	40	34	30	38	34	30	37	33	30	36	33	30	28
7	45	37	31	27	44	36	31	27	35	30	27	34	30	27	33	29	27	25
8	42	34	28	24	41	33	28	24	32	28	24	32	27	24	31	27	24	23
9	40	31	26	22	39	31	26	22	30	25	22	29	25	22	29	25	22	21
10	37	29	24	20	36	28	24	20	28	23	20	27	23	20	27	23	20	19

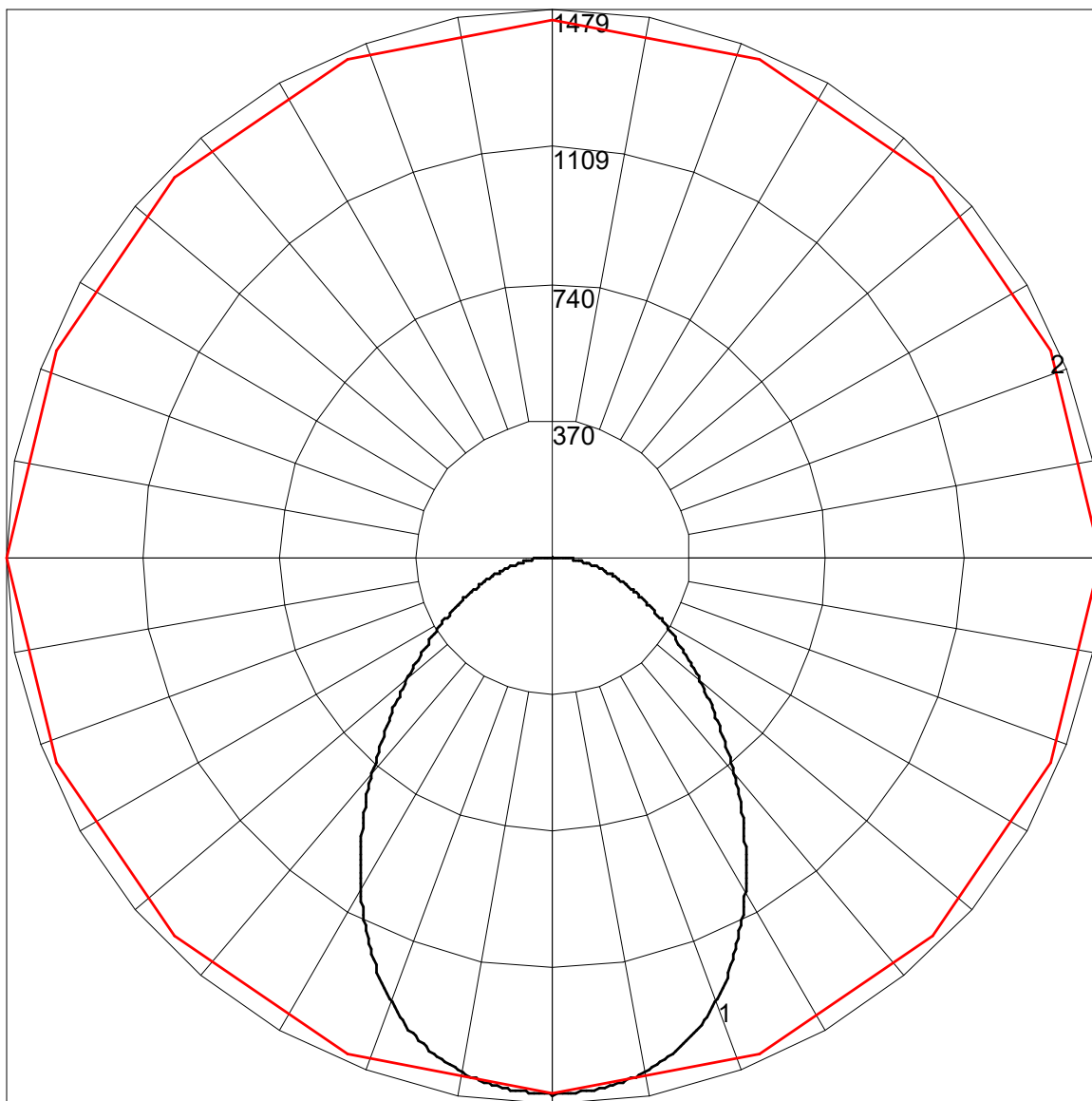
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX4-4-L8-835-DMA-DIM-UNV_.IES

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	20.4	22.0	20.8	22.3	22.6	18.5	20.1	18.9	20.4	20.7
	3H	22.0	23.4	22.4	23.7	24.1	20.1	21.5	20.5	21.8	22.2
	4H	22.6	23.9	23.0	24.2	24.6	20.7	22.0	21.1	22.4	22.7
	6H	23.0	24.2	23.4	24.6	24.9	21.2	22.4	21.6	22.8	23.1
	8H	23.1	24.3	23.5	24.6	25.0	21.3	22.5	21.8	22.9	23.3
	12H	23.2	24.3	23.6	24.7	25.1	21.5	22.6	21.9	23.0	23.4
4H	2H	20.8	22.1	21.2	22.4	22.8	19.2	20.5	19.6	20.9	21.2
	3H	22.6	23.7	23.0	24.1	24.5	21.0	22.1	21.4	22.5	22.9
	4H	23.3	24.3	23.7	24.7	25.1	21.7	22.7	22.1	23.1	23.5
	6H	23.8	24.7	24.3	25.1	25.6	22.3	23.2	22.8	23.6	24.1
	8H	24.0	24.8	24.5	25.2	25.7	22.5	23.3	23.0	23.8	24.2
	12H	24.1	24.8	24.6	25.3	25.8	22.7	23.4	23.2	23.9	24.4
8H	4H	23.5	24.2	23.9	24.7	25.2	22.1	22.8	22.5	23.3	23.8
	6H	24.1	24.8	24.6	25.2	25.7	22.8	23.4	23.3	23.9	24.4
	8H	24.3	24.9	24.8	25.4	25.9	23.1	23.7	23.6	24.2	24.6
	12H	24.5	25.1	25.0	25.6	26.1	23.3	23.8	23.8	24.3	24.9
12H	4H	23.4	24.2	23.9	24.6	25.1	22.1	22.8	22.5	23.3	23.7
	6H	24.1	24.7	24.7	25.2	25.7	22.8	23.4	23.4	23.9	24.4
	8H	24.4	24.9	24.9	25.4	26.0	23.2	23.7	23.7	24.2	24.8

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 1479.271 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.)