



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX3-4-L8-835-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] 31 AUG, 2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] LRX3-4-L8-835-DMA-DIM-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] white LEDs

[BALLAST] (1) Everline Drive

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

[MORE] hod 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	3217
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	27.7
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)	3.94 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	12627	9901	8526
55	10843	8258	7230
65	9033	6982	6252
75	7091	5775	5342
85	5078	4595	4527

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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	1526.925	1526.925	1526.925	1526.925	1526.925
0.5	1548.678	1527.761	1520.231	1526.088	1520.231
1.0	1548.678	1527.761	1519.395	1526.088	1519.395
1.5	1548.678	1526.925	1518.558	1525.251	1519.395
2.0	1547.841	1526.088	1518.558	1524.415	1517.721
2.5	1547.005	1525.251	1516.885	1522.741	1516.885
3.0	1546.168	1524.415	1516.048	1521.905	1515.211
3.5	1545.331	1523.578	1514.375	1520.231	1512.701
4.0	1543.658	1521.905	1512.701	1517.721	1510.191
4.5	1542.821	1520.231	1510.191	1515.211	1507.681
5.0	1541.148	1518.558	1508.518	1512.701	1504.334
5.5	1539.475	1516.885	1506.008	1509.354	1500.988
6.0	1537.801	1514.375	1502.661	1506.008	1497.641
6.5	1536.128	1511.864	1500.151	1501.824	1493.458
7.0	1533.618	1510.191	1496.804	1497.641	1489.274
7.5	1531.945	1506.844	1493.458	1493.458	1484.254
8.0	1529.435	1504.334	1489.274	1488.438	1479.234
8.5	1526.925	1501.824	1485.928	1483.418	1474.214
9.0	1524.415	1498.478	1480.908	1477.561	1468.358
9.5	1521.905	1495.131	1476.724	1471.704	1462.501
10.0	1518.558	1491.784	1471.704	1465.848	1455.808
10.5	1515.211	1487.601	1466.684	1459.991	1449.114
11.0	1511.864	1484.254	1461.664	1452.461	1441.584
11.5	1508.518	1480.071	1455.808	1445.767	1434.054
12.0	1504.334	1475.051	1449.951	1438.237	1425.687
12.5	1500.151	1470.868	1444.094	1430.707	1418.157
13.0	1496.804	1465.848	1437.401	1423.177	1409.791
13.5	1492.621	1461.664	1430.707	1414.811	1400.587
14.0	1487.601	1455.808	1424.014	1406.444	1391.384
14.5	1482.581	1450.788	1417.321	1397.241	1382.180
15.0	1478.398	1445.767	1409.791	1388.037	1372.140
15.5	1473.378	1439.911	1402.261	1378.834	1362.100
16.0	1467.521	1434.054	1393.894	1368.794	1352.060
16.5	1462.501	1427.361	1386.364	1358.754	1341.184
17.0	1456.644	1421.504	1377.997	1348.714	1330.307
17.5	1450.788	1414.811	1369.630	1337.837	1319.430
18.0	1445.767	1408.954	1360.427	1326.960	1306.880
18.5	1439.911	1401.424	1351.224	1315.247	1295.167
19.0	1434.054	1394.731	1342.020	1303.533	1282.617
19.5	1427.361	1387.201	1332.817	1291.820	1269.230
20.0	1420.667	1379.670	1322.777	1279.270	1255.843
20.5	1413.974	1372.140	1312.737	1266.720	1242.456
21.0	1407.281	1364.610	1301.860	1253.333	1229.070
21.5	1399.751	1356.244	1291.820	1240.783	1214.846
22.0	1393.057	1347.877	1281.780	1227.396	1201.460
22.5	1385.527	1339.510	1270.067	1213.173	1187.236
23.0	1377.997	1331.144	1259.190	1199.786	1173.013
23.5	1369.630	1321.940	1247.476	1186.399	1159.626
24.0	1361.264	1312.737	1235.763	1173.013	1145.403
24.5	1352.897	1303.533	1224.886	1158.789	1131.179
25.0	1345.367	1294.330	1212.336	1145.403	1116.119
25.5	1336.164	1285.127	1200.623	1132.016	1101.896
26.0	1327.797	1275.087	1188.073	1117.792	1087.672
26.5	1318.593	1265.047	1176.359	1104.406	1073.449

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CANDELA TABULATION - (Cont.)

27.0	1309.390	1255.006	1163.809	1091.019	1059.225
27.5	1300.187	1244.130	1151.259	1076.796	1045.002
28.0	1290.983	1234.090	1138.709	1063.409	1030.779
28.5	1280.943	1223.213	1126.159	1049.185	1016.555
29.0	1271.740	1212.336	1113.609	1035.799	1003.169
29.5	1261.700	1201.460	1101.059	1021.575	988.945
30.0	1251.660	1190.583	1088.509	1008.189	974.722
30.5	1241.620	1179.706	1075.122	993.965	961.335
31.0	1231.580	1167.993	1062.572	979.742	947.112
31.5	1220.703	1156.279	1049.185	966.355	932.888
32.0	1209.826	1144.566	1035.799	952.132	919.501
32.5	1198.950	1132.853	1022.412	938.745	906.115
33.0	1187.236	1121.139	1009.025	924.521	892.728
33.5	1176.359	1108.589	995.638	911.135	878.505
34.0	1164.646	1096.876	982.252	896.911	865.118
34.5	1153.769	1084.326	968.865	882.688	850.894
35.0	1142.056	1071.776	954.642	869.301	837.508
35.5	1129.506	1059.225	941.255	855.914	824.456
36.0	1117.792	1046.675	927.868	842.528	811.236
36.5	1105.242	1033.289	914.481	828.974	798.268
37.0	1093.529	1020.739	901.095	815.671	785.299
37.5	1080.979	1008.189	887.708	802.702	772.164
38.0	1068.429	994.802	874.321	789.734	759.530
38.5	1055.879	982.252	860.934	777.016	746.813
39.0	1043.329	968.865	848.384	764.383	734.513
39.5	1030.779	955.478	834.998	751.833	722.131
40.0	1017.392	942.092	821.862	739.450	710.250
40.5	1004.842	928.705	808.894	727.151	698.369
41.0	991.455	915.318	796.009	715.103	686.740
41.5	978.905	901.931	783.291	703.138	675.026
42.0	965.518	889.381	770.490	691.341	663.647
42.5	952.132	875.995	757.606	679.544	652.352
43.0	939.582	862.608	744.805	667.747	641.225
43.5	926.195	849.221	732.254	656.285	630.264
44.0	912.808	836.002	719.621	644.822	619.388
44.5	899.421	822.866	707.154	633.527	608.762
45.0	886.035	809.479	694.772	622.316	598.303
45.5	872.648	796.343	682.389	611.355	588.012
46.0	859.261	782.957	670.257	600.479	577.721
46.5	845.038	769.737	657.874	589.769	567.514
47.0	831.651	756.602	645.994	579.144	557.390
47.5	818.013	743.466	634.197	568.685	547.350
48.0	804.543	730.497	622.483	558.311	537.394
48.5	790.989	717.278	610.853	548.103	527.521
49.0	777.100	704.393	599.391	538.063	517.899
49.5	763.379	691.258	587.929	528.190	508.278
50.0	749.574	678.457	576.550	518.318	498.907
50.5	736.019	665.488	565.422	508.696	489.536
51.0	722.298	652.603	554.295	499.074	480.416
51.5	708.995	639.719	543.334	489.536	471.380
52.0	695.776	626.834	532.457	480.165	462.428
52.5	682.389	614.200	521.664	470.878	453.810
53.0	669.504	601.734	511.039	461.675	445.109
53.5	656.201	589.435	500.497	452.555	436.575
54.0	643.149	577.303	490.206	443.519	428.208
54.5	630.097	565.255	480.082	434.483	419.842

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CANDELA TABULATION - (Cont.)

55.0	617.212	553.374	470.042	425.698	411.558
55.5	604.411	541.493	460.085	416.913	403.359
56.0	591.861	529.864	450.213	408.295	395.243
56.5	579.311	518.318	440.507	399.761	387.211
57.0	566.845	507.023	430.969	391.395	379.263
57.5	554.462	495.895	421.599	383.112	371.398
58.0	541.995	484.935	412.395	374.829	363.617
58.5	529.613	474.058	403.192	366.797	355.753
59.0	517.230	463.181	394.156	358.765	348.055
59.5	505.098	452.388	385.120	350.816	340.358
60.0	493.134	441.679	376.167	343.035	332.744
60.5	481.337	431.053	367.382	335.254	325.214
61.0	469.623	420.678	358.765	327.640	317.851
61.5	457.994	410.303	350.314	320.110	310.572
62.0	446.364	400.096	341.864	312.580	303.377
62.5	434.734	389.889	333.413	305.134	296.182
63.0	423.188	379.765	325.130	297.771	289.153
63.5	411.809	369.725	316.931	290.576	282.293
64.0	400.682	359.769	308.899	283.380	275.432
64.5	389.721	349.812	300.867	276.352	268.739
65.0	378.845	340.023	292.835	269.408	262.213
65.5	368.052	330.485	284.803	262.547	255.770
66.0	357.175	320.947	276.938	255.687	249.328
66.5	346.382	311.576	269.157	248.826	242.886
67.0	335.756	302.289	261.460	242.049	236.527
67.5	325.298	293.086	253.930	235.272	230.001
68.0	314.923	283.966	246.400	228.411	223.475
68.5	304.716	274.930	238.870	221.718	216.614
69.0	294.508	265.978	231.340	214.941	210.088
69.5	284.301	257.109	223.809	208.331	203.478
70.0	274.261	248.324	216.530	201.638	197.036
70.5	264.304	239.706	209.251	195.112	190.761
71.0	254.515	231.172	202.223	188.669	184.402
71.5	244.894	222.805	195.195	182.311	178.211
72.0	235.439	214.439	188.167	175.952	172.103
72.5	226.069	206.239	181.223	169.761	166.079
73.0	216.781	198.124	174.446	163.653	160.222
73.5	207.829	190.175	167.753	157.629	154.366
74.0	199.128	182.311	161.227	151.688	148.593
74.5	190.594	174.697	154.784	145.832	142.820
75.0	182.143	167.083	148.342	139.975	137.214
75.5	173.777	159.720	141.983	134.202	131.608
76.0	165.577	152.358	135.708	128.513	126.170
76.5	157.545	145.246	129.600	122.823	120.732
77.0	149.764	138.218	123.493	117.301	115.293
77.5	142.234	131.274	117.552	111.779	110.022
78.0	134.620	124.497	111.612	106.341	104.751
78.5	127.174	117.887	105.755	100.986	99.480
79.0	119.895	111.361	99.982	95.715	94.376
79.5	112.616	104.919	94.376	90.528	89.273
80.0	105.588	98.560	88.854	85.340	84.253
80.5	98.727	92.452	83.583	80.320	79.400
81.0	92.117	86.428	78.396	75.384	74.547
81.5	85.508	80.488	73.209	70.615	69.862
82.0	79.065	74.631	68.105	65.846	65.177
82.5	72.790	68.858	63.085	61.244	60.575

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CANDELA TABULATION - (Cont.)

83.0	66.683	63.336	58.149	56.643	56.141
83.5	60.742	57.898	53.380	52.208	51.706
84.0	55.053	52.543	48.778	47.774	47.439
84.5	49.531	47.356	44.176	43.423	43.256
85.0	43.925	42.252	39.742	39.156	39.156
85.5	38.571	37.232	35.308	35.057	35.224
86.0	33.383	32.296	30.957	31.040	31.208
86.5	28.447	27.610	26.690	27.108	27.443
87.0	23.761	23.176	22.674	23.343	23.845
87.5	19.160	18.825	18.741	19.662	20.331
88.0	14.725	14.642	14.976	16.148	16.733
88.5	10.458	10.793	11.295	11.881	11.713
89.0	6.526	7.028	7.195	7.865	8.283
89.5	3.012	4.016	4.685	5.773	6.442
90.0	1.004	2.008	2.510	3.096	3.430
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 : LRX3-4-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 : LRX3-4-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 : LRX3-4-L8-835-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	541.76	N.A.	16.80
0-30	1102.6	N.A.	34.30
0-40	1709.42	N.A.	53.10
0-60	2703.21	N.A.	84.00
0-80	3170.7	N.A.	98.60
0-90	3217.08	N.A.	100.00
10-90	3073.56	N.A.	95.50
20-40	1167.66	N.A.	36.30
20-50	1721.25	N.A.	53.50
40-70	1297.41	N.A.	40.30
60-80	467.50	N.A.	14.50
70-80	163.88	N.A.	5.10
80-90	46.37	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	3217.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.51
10-20	398.24
20-30	560.84
30-40	606.82
40-50	553.58
50-60	440.21
60-70	303.62
70-80	163.88
80-90	46.37
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 : LRX3-4-L8-835-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	95	95	95	95	92	92	92	92	88	88	88	84	84	84	81	81	81	79
1	87	84	81	78	85	82	79	77	79	76	74	75	74	72	73	71	70	68
2	80	74	69	65	78	72	68	64	70	66	62	67	64	61	65	62	60	58
3	73	66	60	55	72	64	59	54	62	57	53	60	56	53	58	55	52	50
4	68	59	52	47	66	58	52	47	56	51	46	54	49	46	52	48	45	44
5	63	53	46	41	61	52	46	41	51	45	41	49	44	40	48	43	40	38
6	58	48	41	37	57	47	41	36	46	40	36	45	40	36	43	39	36	34
7	54	44	37	33	53	43	37	33	42	36	32	41	36	32	40	35	32	30
8	51	40	34	30	49	40	34	29	39	33	29	38	33	29	37	32	29	27
9	47	37	31	27	46	37	31	27	36	30	27	35	30	26	34	30	26	25
10	45	35	29	25	44	34	28	24	33	28	24	33	28	24	32	27	24	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX3-4-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

X=2H	Y=2H	20.8	22.3	21.1	22.6	22.9	18.8	20.3	19.2	20.6	21.0
	3H	22.4	23.7	22.7	24.1	24.4	20.4	21.8	20.8	22.1	22.5
	4H	22.9	24.2	23.3	24.5	24.9	21.0	22.3	21.4	22.6	23.0
	6H	23.3	24.5	23.7	24.9	25.3	21.4	22.6	21.8	23.0	23.4
	8H	23.4	24.6	23.8	25.0	25.4	21.6	22.7	22.0	23.1	23.5
	12H	23.5	24.6	23.9	25.0	25.4	21.7	22.8	22.1	23.2	23.6

UGR Viewed Endwise

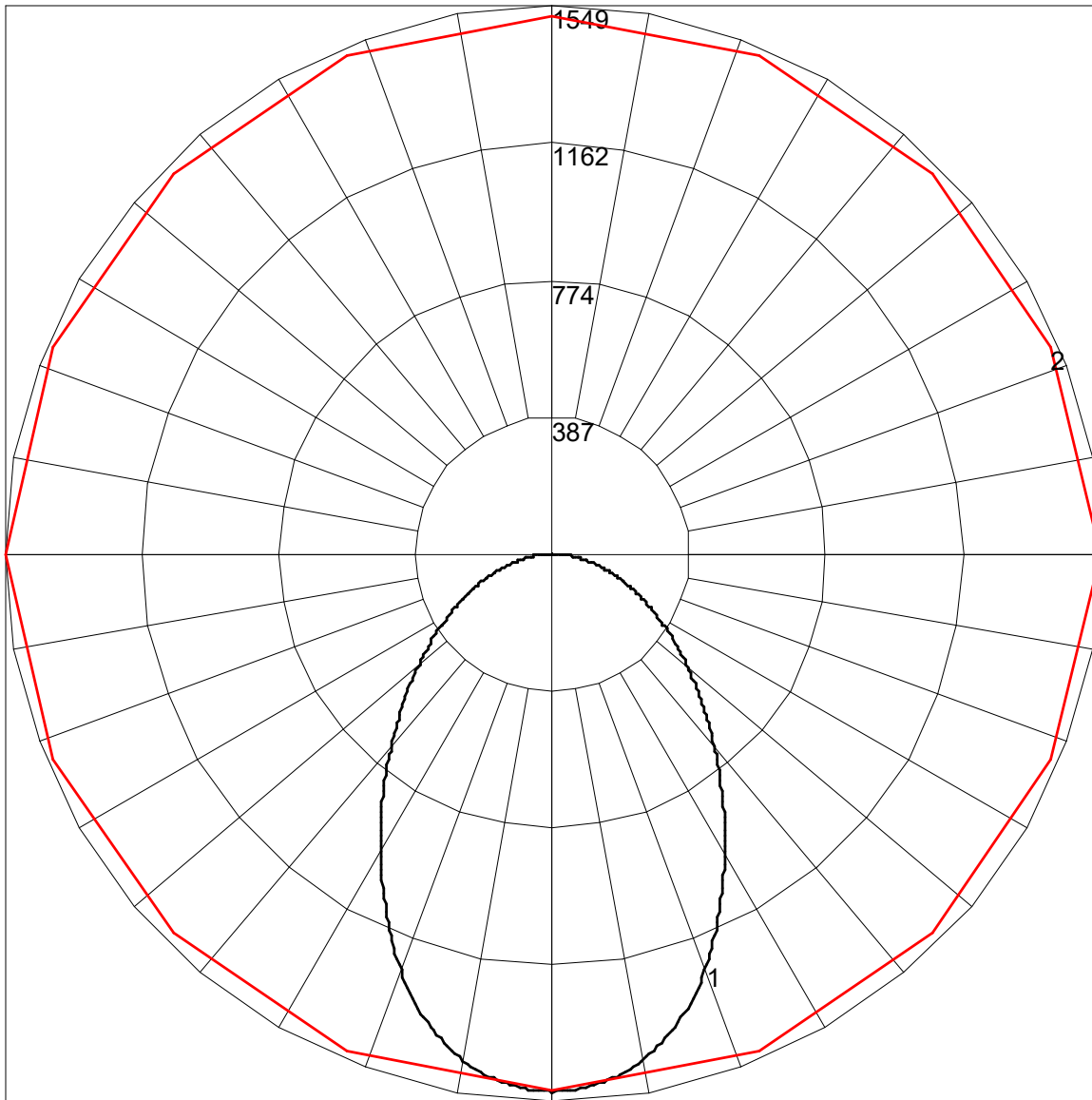
4H	2H	21.1	22.4	21.5	22.7	23.1	19.5	20.8	19.9	21.1	21.5
	3H	22.9	24.0	23.3	24.4	24.8	21.3	22.4	21.7	22.8	23.2
	4H	23.6	24.6	24.0	25.0	25.4	22.0	22.9	22.4	23.4	23.8
	6H	24.1	25.0	24.6	25.4	25.9	22.5	23.4	23.0	23.8	24.3
	8H	24.3	25.1	24.7	25.5	26.0	22.7	23.5	23.2	24.0	24.4
	12H	24.4	25.1	24.9	25.6	26.1	22.9	23.6	23.4	24.1	24.5

8H	4H	23.7	24.5	24.2	25.0	25.4	22.3	23.1	22.8	23.5	24.0
	6H	24.4	25.0	24.9	25.5	26.0	23.0	23.6	23.5	24.1	24.6
	8H	24.6	25.2	25.1	25.7	26.2	23.2	23.8	23.7	24.3	24.8
	12H	24.8	25.3	25.3	25.8	26.4	23.5	24.0	24.0	24.5	25.1

12H	4H	23.8	24.5	24.2	24.9	25.4	22.3	23.0	22.8	23.5	24.0
	6H	24.4	25.0	24.9	25.5	26.0	23.0	23.6	23.6	24.1	24.6
	8H	24.7	25.2	25.2	25.7	26.3	23.4	23.9	23.9	24.4	24.9

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 1548.678 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.)