



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-4-L10-835-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] LRX2-4-L10-835-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	4028
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	36.4
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)	4.00 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	23522	20290	18508
55	20968	17830	16322
65	18485	15717	14468
75	15246	13380	12470
85	11502	10731	10339

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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	1784.613	1784.613	1784.613	1784.613	1784.613
0.5	1816.076	1786.076	1775.832	1780.222	1771.442
1.0	1816.076	1785.344	1775.832	1780.222	1770.710
1.5	1815.344	1785.344	1775.101	1779.491	1769.979
2.0	1814.612	1783.881	1773.637	1778.759	1767.784
2.5	1813.881	1782.418	1772.905	1776.564	1766.320
3.0	1812.417	1780.954	1770.710	1775.101	1763.393
3.5	1810.954	1779.491	1768.515	1772.174	1760.467
4.0	1809.490	1778.027	1766.320	1769.979	1758.272
4.5	1808.027	1775.832	1764.125	1767.052	1754.613
5.0	1806.564	1773.637	1760.467	1763.393	1750.955
5.5	1803.637	1770.710	1757.540	1759.003	1745.833
6.0	1801.442	1767.784	1753.881	1755.345	1741.442
6.5	1799.247	1765.589	1750.223	1750.223	1736.321
7.0	1796.320	1761.930	1746.564	1745.101	1731.199
7.5	1793.393	1759.003	1742.174	1739.979	1725.345
8.0	1790.466	1754.613	1737.784	1734.125	1720.223
8.5	1786.808	1750.955	1732.662	1728.272	1713.638
9.0	1783.149	1747.296	1727.540	1721.687	1707.053
9.5	1779.491	1742.906	1721.687	1714.370	1699.736
10.0	1775.832	1738.516	1715.833	1707.784	1693.150
10.5	1771.442	1734.125	1709.979	1700.467	1684.370
11.0	1767.052	1729.004	1703.394	1693.150	1676.321
11.5	1761.930	1723.882	1696.809	1685.102	1668.273
12.0	1756.808	1718.028	1689.492	1677.053	1659.492
12.5	1752.418	1712.175	1682.175	1668.273	1649.980
13.0	1746.564	1706.321	1674.858	1659.492	1641.200
13.5	1740.711	1699.736	1666.809	1649.980	1631.688
14.0	1735.589	1693.150	1659.492	1641.200	1622.176
14.5	1729.004	1686.565	1650.712	1631.688	1611.932
15.0	1723.150	1679.980	1642.663	1621.444	1602.420
15.5	1716.565	1672.663	1633.151	1611.200	1591.444
16.0	1711.443	1666.078	1624.371	1600.956	1580.469
16.5	1706.321	1658.761	1614.859	1589.981	1569.493
17.0	1699.736	1651.444	1605.347	1579.005	1558.518
17.5	1690.224	1644.127	1595.834	1568.030	1546.811
18.0	1681.443	1637.541	1586.322	1556.323	1534.372
18.5	1672.663	1628.761	1576.079	1544.616	1521.933
19.0	1665.346	1619.249	1565.835	1532.177	1509.494
19.5	1657.297	1609.737	1555.591	1519.738	1496.323
20.0	1649.248	1600.225	1544.616	1508.031	1482.421
20.5	1640.468	1590.713	1534.372	1495.592	1469.251
21.0	1631.688	1581.932	1523.396	1482.421	1455.348
21.5	1622.907	1572.420	1512.421	1469.982	1442.178
22.0	1613.395	1562.176	1500.714	1456.812	1428.275
22.5	1604.615	1552.664	1489.738	1442.909	1415.105
23.0	1594.371	1542.420	1479.494	1429.739	1401.934
23.5	1584.859	1531.445	1467.787	1416.568	1388.032
24.0	1574.615	1521.201	1454.617	1403.398	1374.862
24.5	1564.371	1510.226	1442.178	1390.227	1360.959
25.0	1554.128	1499.982	1429.007	1376.325	1347.057
25.5	1543.884	1488.275	1416.568	1363.154	1333.155
26.0	1532.908	1477.299	1403.398	1349.252	1319.984
26.5	1522.665	1465.592	1390.959	1336.081	1306.814

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CANDELA TABULATION - (Cont.)

27.0	1510.957	1454.617	1377.788	1322.911	1292.911
27.5	1499.982	1442.178	1365.349	1309.740	1278.277
28.0	1489.006	1430.471	1352.179	1296.570	1265.107
28.5	1478.031	1418.763	1339.008	1282.667	1251.936
29.0	1466.324	1406.325	1326.569	1268.765	1238.766
29.5	1453.885	1393.886	1313.399	1254.863	1225.595
30.0	1442.178	1381.447	1300.228	1241.692	1211.693
30.5	1429.739	1369.740	1287.789	1228.522	1197.790
31.0	1417.300	1357.301	1274.619	1214.620	1183.888
31.5	1404.129	1344.130	1260.717	1200.717	1170.718
32.0	1391.691	1331.691	1247.546	1186.815	1156.815
32.5	1378.520	1318.521	1234.375	1172.913	1142.913
33.0	1366.081	1305.350	1220.473	1159.010	1129.011
33.5	1352.911	1292.180	1207.303	1145.840	1115.109
34.0	1339.740	1279.009	1194.132	1131.938	1101.206
34.5	1327.301	1265.107	1179.498	1118.035	1087.304
35.0	1314.131	1251.936	1166.327	1103.401	1073.402
35.5	1300.960	1238.034	1152.425	1089.499	1060.231
36.0	1287.058	1224.863	1139.255	1076.329	1046.329
36.5	1273.887	1210.961	1125.352	1062.426	1033.158
37.0	1260.717	1197.059	1111.450	1047.792	1019.256
37.5	1246.814	1183.156	1097.548	1034.622	1006.817
38.0	1233.644	1169.254	1083.645	1020.719	992.915
38.5	1219.741	1155.352	1070.475	1007.549	979.744
39.0	1205.839	1141.450	1055.841	993.647	966.574
39.5	1191.937	1127.547	1041.939	980.476	953.403
40.0	1177.303	1113.645	1028.036	966.574	940.233
40.5	1162.669	1099.743	1014.134	954.135	927.794
41.0	1148.767	1085.841	1000.232	940.964	913.891
41.5	1134.133	1071.207	986.330	927.794	900.721
42.0	1119.499	1057.304	973.159	913.891	888.282
42.5	1105.596	1042.670	959.257	900.721	875.111
43.0	1090.962	1028.768	946.086	888.282	862.673
43.5	1076.329	1014.134	931.452	875.843	850.234
44.0	1061.695	1000.232	918.282	862.673	837.795
44.5	1047.061	986.330	904.379	849.502	825.356
45.0	1033.158	971.696	891.209	837.063	812.917
45.5	1018.524	957.793	878.038	824.624	800.478
46.0	1003.890	943.891	864.868	812.185	788.771
46.5	989.988	929.257	850.965	799.746	776.332
47.0	975.354	915.355	837.795	787.308	764.625
47.5	961.452	901.453	825.356	774.137	752.918
48.0	946.818	887.550	812.185	762.430	740.479
48.5	932.184	873.648	799.746	749.991	729.211
49.0	918.282	859.014	785.844	738.284	717.430
49.5	903.648	845.112	773.405	725.772	705.650
50.0	889.745	831.941	760.235	713.552	693.870
50.5	875.111	818.039	747.796	701.992	682.675
51.0	861.209	804.137	734.625	690.650	671.553
51.5	846.575	790.234	722.260	679.089	659.407
52.0	832.673	777.064	709.382	667.163	647.992
52.5	818.039	763.162	696.650	655.236	637.017
53.0	804.137	749.991	684.065	643.456	625.310
53.5	789.503	736.820	672.065	632.407	614.700
54.0	775.600	722.991	659.919	621.505	603.505
54.5	761.698	709.455	647.553	610.310	592.529

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CANDELA TABULATION - (Cont.)

55.0	747.064	696.211	635.261	598.749	581.554
55.5	733.162	683.114	623.334	587.042	570.359
56.0	719.186	670.089	611.700	575.774	559.749
56.5	705.504	657.212	599.846	565.164	549.213
57.0	691.748	644.187	588.139	554.701	539.115
57.5	678.285	631.456	576.798	543.652	528.652
58.0	664.894	618.944	565.237	532.384	517.896
58.5	651.943	606.432	553.457	521.335	507.433
59.0	638.700	594.286	541.750	510.652	497.628
59.5	625.675	582.139	530.335	500.189	487.531
60.0	612.578	570.139	519.360	490.018	477.141
60.5	599.846	558.140	508.530	479.775	466.970
61.0	587.188	546.067	497.555	469.311	457.165
61.5	574.457	533.994	486.140	458.775	447.068
62.0	561.725	522.286	475.019	448.385	436.970
62.5	549.067	510.726	464.482	438.361	427.166
63.0	536.335	498.945	454.385	428.556	417.580
63.5	523.530	487.238	444.287	419.336	407.995
64.0	510.799	475.458	433.897	410.117	398.410
64.5	498.067	463.751	423.141	400.166	389.044
65.0	485.262	452.190	412.605	389.776	379.825
65.5	472.531	440.556	402.654	380.410	370.752
66.0	459.873	428.922	392.922	371.996	362.044
66.5	447.141	417.361	383.044	363.361	353.191
67.0	434.483	405.946	372.727	353.996	344.118
67.5	421.897	394.605	362.337	343.898	334.898
68.0	409.312	383.117	351.947	333.508	325.459
68.5	396.873	371.703	341.630	323.850	316.094
69.0	384.581	360.288	331.825	314.850	307.021
69.5	372.288	349.167	322.167	305.923	297.874
70.0	360.069	338.045	311.923	296.118	288.216
70.5	348.069	326.850	301.460	285.582	278.631
71.0	335.996	315.655	291.143	275.484	269.192
71.5	324.142	304.606	281.045	266.411	260.046
72.0	312.362	293.923	271.387	257.997	251.192
72.5	300.728	283.387	262.094	249.290	242.704
73.0	289.314	272.924	252.655	239.997	234.070
73.5	277.972	262.387	242.924	230.705	225.144
74.0	266.850	251.997	233.192	221.778	216.656
74.5	255.875	241.826	223.973	213.363	208.680
75.0	245.119	231.948	215.119	205.095	200.485
75.5	234.509	222.144	206.412	196.754	192.071
76.0	224.046	212.412	197.485	188.486	184.095
76.5	213.729	202.607	188.632	179.998	176.266
77.0	203.485	193.022	179.705	171.656	168.144
77.5	193.461	183.583	171.217	163.461	159.876
78.0	183.437	174.217	162.949	155.486	152.047
78.5	173.559	164.998	154.681	147.584	144.584
79.0	163.974	155.998	146.413	139.828	137.193
79.5	154.462	147.145	138.291	132.218	129.876
80.0	145.169	138.437	130.389	124.608	122.486
80.5	135.950	129.876	122.560	117.072	114.950
81.0	127.023	121.462	114.657	109.682	107.560
81.5	118.316	113.267	107.047	102.511	100.535
82.0	109.755	105.365	99.804	95.633	93.804
82.5	101.413	97.609	92.633	88.975	87.292

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CANDELA TABULATION - (Cont.)

83.0	93.218	89.926	85.609	82.243	80.926
83.5	85.170	82.316	78.511	75.584	74.560
84.0	77.341	74.999	71.414	68.999	68.048
84.5	69.731	67.828	64.536	62.560	61.755
85.0	62.268	60.804	58.097	56.341	55.975
85.5	54.951	53.853	51.804	50.487	50.560
86.0	47.853	46.975	45.658	45.073	45.073
86.5	40.975	40.390	39.512	39.365	39.512
87.0	34.243	34.024	33.512	33.512	33.731
87.5	27.805	27.585	27.658	28.024	28.170
88.0	21.585	21.731	22.390	22.902	23.122
88.5	15.805	16.317	17.561	17.707	17.853
89.0	10.683	11.488	12.219	11.049	10.975
89.5	7.390	7.610	5.707	5.415	6.000
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 : LRX2-4-L10-835-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 : LRX2-4-L10-835-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 : LRX2-4-L10-835-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	631.89	N.A.	15.70
0-30	1293.66	N.A.	32.10
0-40	2030.42	N.A.	50.40
0-60	3310.55	N.A.	82.20
0-80	3961.44	N.A.	98.30
0-90	4028.11	N.A.	100.00
10-90	3860.69	N.A.	95.80
20-40	1398.53	N.A.	34.70
20-50	2097.67	N.A.	52.10
40-70	1698.4	N.A.	42.20
60-80	650.89	N.A.	16.20
70-80	232.62	N.A.	5.80
80-90	66.67	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	4028.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.43
10-20	464.46
20-30	661.77
30-40	736.77
40-50	699.14
50-60	580.99
60-70	418.27
70-80	232.62
80-90	66.67
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 : LRX2-4-L10-835-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	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 : LRX2-4-L10-835-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	22.3	23.9	22.7	24.2	24.5	21.2	22.7	21.5	23.0	23.4
	3H	24.0	25.5	24.4	25.8	26.1	22.8	24.2	23.2	24.6	24.9
	4H	24.7	26.0	25.1	26.3	26.7	23.4	24.8	23.8	25.1	25.5
	6H	25.1	26.3	25.5	26.7	27.1	23.9	25.1	24.3	25.5	25.9
	8H	25.3	26.4	25.7	26.8	27.2	24.1	25.2	24.5	25.6	26.0
	12H	25.3	26.5	25.8	26.8	27.3	24.2	25.3	24.6	25.7	26.1

UGR Viewed Endwise

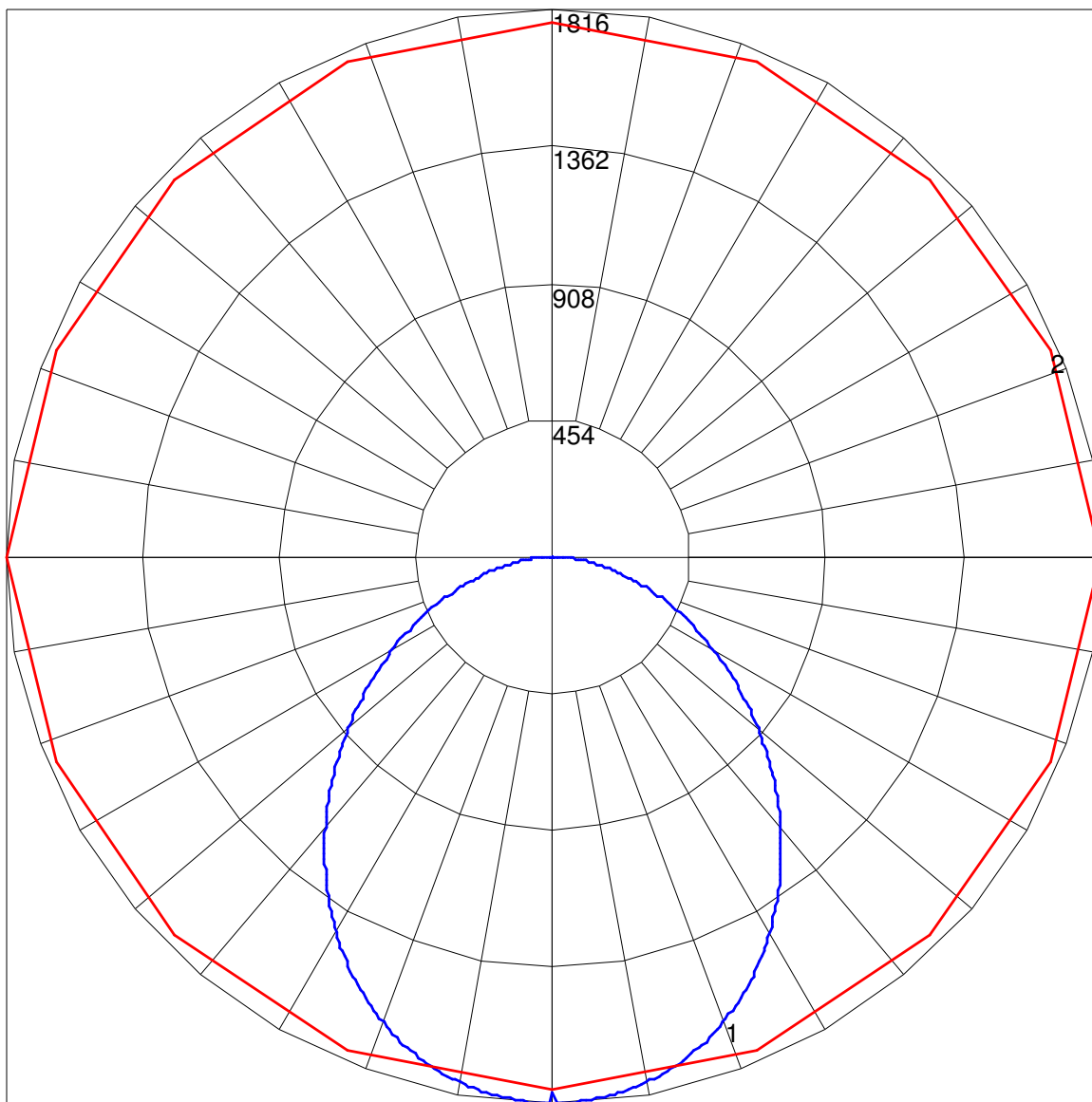
4H	2H	22.8	24.1	23.2	24.4	24.8	21.8	23.2	22.2	23.5	23.9
	3H	24.7	25.8	25.1	26.2	26.6	23.7	24.8	24.1	25.2	25.6
	4H	25.5	26.5	25.9	26.9	27.3	24.4	25.4	24.9	25.9	26.3
	6H	26.1	26.9	26.5	27.4	27.8	25.0	25.9	25.5	26.3	26.8
	8H	26.2	27.1	26.7	27.5	28.0	25.2	26.0	25.7	26.5	27.0
	12H	26.4	27.1	26.9	27.6	28.1	25.4	26.1	25.9	26.6	27.1

8H	4H	25.7	26.5	26.1	26.9	27.4	24.8	25.6	25.2	26.0	26.5
	6H	26.4	27.1	26.9	27.5	28.0	25.5	26.2	26.0	26.6	27.1
	8H	26.6	27.2	27.1	27.8	28.2	25.7	26.4	26.2	26.9	27.3
	12H	26.9	27.4	27.4	27.9	28.5	26.0	26.5	26.5	27.0	27.6

12H	4H	25.7	26.4	26.2	26.9	27.4	24.8	25.5	25.3	26.0	26.5
	6H	26.4	27.0	26.9	27.5	28.0	25.5	26.2	26.1	26.6	27.2
	8H	26.7	27.3	27.2	27.8	28.3	25.9	26.4	26.4	26.9	27.5

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 1816.076 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.)