

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-4-L15-930-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155383.02

[TESTLAB] UL, LLC

[ISSUEDATE] 2026-05-13

[TESTDATE] 3/19/2026

[MANUFAC] H E Williams Inc

[LUMCAT] LRX4x-4-L15-930-DMA-DIM-UNV_

[LUMINAIRE] Nominal 4" x 4' suspended linear fixture (CRS construction

[MORE]) with diffused acrylic shielding

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

[MORE] of absolute photometry.

[OTHER] The reported results were measured in a facility that meets the

[MORE] requirements of ANSI/IES LM-75-19. The device under test emits no

[MORE] detectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	51.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12009	10647	9425
55	10512	9086	7717
65	8944	7473	6209
75	7181	5612	4571
85	4650	2882	2206

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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	2280.478	2280.478	2280.478	2280.478	2280.478
0.5	2291.626	2275.523	2281.097	2279.239	2278.000
1.0	2291.007	2274.903	2280.478	2278.620	2277.381
1.5	2290.387	2273.665	2279.858	2277.381	2276.142
2.0	2289.149	2273.045	2278.000	2274.903	2275.523
2.5	2288.529	2271.807	2276.762	2273.665	2273.045
3.0	2286.671	2269.949	2274.903	2270.568	2269.949
3.5	2285.433	2268.091	2272.426	2268.091	2266.852
4.0	2282.336	2265.613	2269.949	2264.994	2263.136
4.5	2281.097	2263.136	2266.852	2261.278	2258.800
5.0	2278.000	2260.658	2263.136	2257.561	2255.084
5.5	2276.762	2256.942	2259.420	2252.607	2249.510
6.0	2271.187	2253.845	2255.084	2247.652	2244.555
6.5	2268.091	2250.748	2250.129	2242.077	2238.361
7.0	2264.374	2246.413	2245.794	2236.503	2232.787
7.5	2260.658	2242.077	2240.219	2230.310	2225.974
8.0	2256.323	2237.123	2235.265	2223.497	2218.542
8.5	2251.987	2232.787	2229.690	2216.064	2211.110
9.0	2247.032	2227.832	2222.877	2208.632	2203.677
9.5	2241.458	2221.639	2216.684	2200.580	2195.006
10.0	2237.123	2216.064	2209.251	2193.148	2186.955
10.5	2230.310	2209.871	2202.439	2185.097	2178.284
11.0	2224.116	2203.677	2194.387	2175.806	2169.613
11.5	2217.923	2196.864	2186.335	2166.516	2159.083
12.0	2211.110	2190.051	2178.284	2156.606	2149.174
12.5	2203.058	2182.000	2169.613	2146.696	2138.025
13.0	2196.245	2174.567	2160.322	2136.167	2127.496
13.5	2189.432	2166.516	2151.032	2125.638	2116.967
14.0	2180.761	2158.464	2141.741	2113.870	2104.580
14.5	2173.329	2149.174	2131.212	2102.722	2092.812
15.0	2164.658	2140.503	2120.683	2090.954	2080.425
15.5	2155.987	2131.212	2110.154	2078.567	2068.038
16.0	2146.696	2121.922	2099.006	2066.180	2054.412
16.5	2138.025	2112.632	2087.857	2053.173	2041.405
17.0	2128.116	2102.102	2076.089	2040.167	2027.160
17.5	2118.825	2091.573	2064.941	2026.541	2012.915
18.0	2108.296	2081.664	2052.554	2012.915	1998.670
18.5	2099.006	2070.515	2040.167	1998.670	1983.186
19.0	2087.857	2059.367	2027.160	1983.805	1967.702
19.5	2077.328	2048.218	2014.154	1969.560	1952.218
20.0	2066.180	2036.450	2000.528	1954.695	1936.734
20.5	2055.031	2024.683	1986.902	1939.211	1920.630
21.0	2043.263	2012.915	1973.276	1923.727	1903.908
21.5	2032.115	1999.908	1959.031	1907.624	1887.804
22.0	2019.728	1987.521	1944.166	1891.521	1871.701
22.5	2007.341	1974.515	1929.301	1875.417	1854.359
23.0	1995.573	1962.127	1915.056	1858.075	1837.017
23.5	1983.186	1948.502	1899.572	1841.353	1819.675
24.0	1970.179	1934.876	1884.088	1824.630	1801.714
24.5	1957.173	1921.250	1867.985	1807.288	1784.372
25.0	1943.547	1907.624	1852.501	1789.946	1766.410
25.5	1929.301	1892.759	1836.398	1771.984	1747.210
26.0	1915.676	1878.514	1819.056	1754.023	1728.629
26.5	1902.050	1863.649	1802.952	1736.062	1709.429

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CANDELA TABULATION - (Cont.)

27.0	1887.185	1848.785	1785.610	1717.481	1690.848
27.5	1871.701	1833.301	1768.888	1698.900	1672.268
28.0	1857.456	1818.436	1751.546	1679.700	1652.448
28.5	1842.591	1802.952	1734.823	1661.119	1633.248
29.0	1827.727	1787.468	1717.481	1641.919	1614.667
29.5	1810.385	1771.365	1699.520	1622.719	1594.848
30.0	1793.662	1754.642	1681.558	1603.519	1575.648
30.5	1778.178	1738.539	1664.216	1584.938	1555.828
31.0	1762.075	1722.436	1646.255	1565.738	1536.009
31.5	1746.591	1705.713	1628.293	1545.919	1516.189
32.0	1729.249	1688.990	1609.713	1526.719	1496.989
32.5	1713.145	1671.648	1591.751	1506.899	1476.550
33.0	1696.423	1654.926	1572.551	1487.699	1457.350
33.5	1679.700	1637.584	1555.209	1467.879	1436.292
34.0	1663.597	1620.242	1536.009	1448.679	1417.092
34.5	1646.874	1603.519	1517.428	1429.479	1397.892
35.0	1630.151	1585.558	1498.228	1409.660	1378.072
35.5	1612.809	1567.596	1479.647	1391.079	1357.634
36.0	1596.706	1550.254	1461.067	1371.260	1339.053
36.5	1579.364	1532.293	1441.866	1352.059	1319.233
37.0	1561.403	1514.331	1423.905	1332.859	1300.653
37.5	1544.061	1496.370	1405.324	1313.040	1280.833
38.0	1526.719	1477.789	1386.124	1293.840	1261.014
38.5	1508.757	1460.447	1367.543	1274.640	1241.814
39.0	1490.176	1441.866	1348.963	1255.440	1222.614
39.5	1472.834	1423.905	1329.763	1236.239	1203.413
40.0	1454.873	1405.324	1311.182	1218.278	1184.833
40.5	1435.673	1387.363	1291.982	1199.078	1165.013
41.0	1417.711	1368.782	1273.401	1179.878	1144.574
41.5	1399.750	1350.821	1254.820	1160.678	1125.374
42.0	1380.550	1332.240	1236.239	1140.858	1105.555
42.5	1360.730	1313.040	1217.659	1122.277	1086.355
43.0	1342.150	1294.459	1199.078	1101.839	1067.155
43.5	1324.188	1276.498	1180.497	1082.639	1049.193
44.0	1304.369	1257.917	1161.916	1064.677	1030.612
44.5	1285.788	1239.336	1141.478	1046.096	1012.032
45.0	1266.588	1221.375	1122.897	1028.135	994.070
45.5	1247.388	1202.175	1103.697	1010.174	975.490
46.0	1228.807	1184.213	1085.735	992.212	957.528
46.5	1210.226	1165.633	1067.774	974.870	940.186
47.0	1191.026	1147.052	1049.813	956.909	922.225
47.5	1171.826	1127.232	1032.470	939.567	904.883
48.0	1153.245	1108.032	1015.128	922.225	886.921
48.5	1134.045	1090.071	997.167	904.883	869.579
49.0	1113.606	1071.490	979.825	887.541	852.857
49.5	1095.645	1054.148	963.102	870.199	836.134
50.0	1077.064	1036.187	945.760	853.476	819.411
50.5	1059.722	1018.225	928.418	836.753	802.689
51.0	1041.142	1000.883	911.076	819.411	785.966
51.5	1023.180	982.922	894.354	803.308	769.863
52.0	1005.838	964.960	877.012	786.585	753.759
52.5	987.877	947.618	860.289	770.482	738.275
53.0	969.915	930.276	843.566	754.379	722.791
53.5	951.954	912.934	827.463	738.275	706.688
54.0	934.612	895.592	810.121	722.791	691.204
54.5	916.650	878.870	794.017	706.688	675.720

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55.0	899.308	861.528	777.295	691.823	660.236
55.5	881.347	844.805	761.191	675.720	645.371
56.0	863.386	827.463	745.088	660.855	630.507
56.5	846.044	810.740	728.985	645.991	616.571
57.0	828.082	794.017	712.262	631.126	601.893
57.5	810.740	777.914	696.778	616.262	587.585
58.0	793.398	761.191	680.675	601.645	573.526
58.5	776.056	744.469	664.572	587.214	559.466
59.0	758.714	728.366	649.088	573.030	545.531
59.5	741.372	712.262	633.604	558.847	531.967
60.0	724.649	696.159	617.996	544.602	518.465
60.5	707.927	680.056	602.883	530.728	504.963
61.0	691.204	664.572	587.461	516.978	491.709
61.5	675.101	648.468	572.473	503.105	478.640
62.0	658.378	632.365	557.361	489.851	466.005
62.5	642.275	617.067	542.744	476.534	453.123
63.0	626.171	601.769	528.189	463.280	440.488
63.5	610.378	586.470	513.634	449.902	427.729
64.0	595.018	571.296	499.451	437.019	415.466
64.5	579.162	556.122	485.143	424.199	403.264
65.0	563.802	541.257	471.084	411.378	391.373
65.5	548.566	526.207	456.901	398.805	379.233
66.0	533.391	511.280	443.213	386.542	367.341
66.5	518.341	496.540	429.463	374.092	355.326
67.0	503.105	481.923	415.899	361.767	343.806
67.5	487.869	467.306	402.521	349.876	332.286
68.0	473.252	452.937	389.019	337.922	320.642
68.5	458.325	438.692	375.827	326.154	309.431
69.0	443.523	424.446	362.758	314.448	298.283
69.5	429.153	410.263	349.999	302.866	287.444
70.0	414.599	396.142	336.993	291.532	276.482
70.5	400.229	382.268	324.234	280.260	265.891
71.0	385.860	368.518	311.847	269.297	255.176
71.5	371.801	354.645	299.460	258.396	244.832
72.0	357.803	341.143	287.196	247.558	234.489
72.5	343.868	327.764	274.995	236.967	224.455
73.0	330.304	314.572	263.042	226.314	214.608
73.5	316.740	301.194	251.274	216.156	204.760
74.0	303.424	288.064	239.630	205.937	194.974
74.5	290.231	275.181	228.110	196.027	185.684
75.0	277.225	262.484	216.652	186.055	176.455
75.5	264.466	250.035	205.565	176.579	167.289
76.0	252.017	237.710	194.726	167.103	158.432
76.5	239.506	225.385	183.888	157.998	149.761
77.0	227.676	213.369	173.482	148.894	141.152
77.5	215.661	201.539	163.139	140.099	132.729
78.0	203.707	189.895	152.920	131.490	124.739
78.5	191.877	178.375	143.134	123.128	116.625
79.0	180.605	167.289	133.534	114.891	108.821
79.5	169.518	156.016	124.181	106.654	101.203
80.0	158.494	145.240	114.891	98.912	93.833
80.5	147.531	134.525	105.848	91.231	86.524
81.0	136.940	124.119	97.177	83.923	79.588
81.5	126.473	114.024	88.692	76.677	72.713
82.0	116.377	103.804	80.640	69.616	65.900
82.5	106.530	94.142	72.713	62.741	59.396

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CANDELA TABULATION - (Cont.)

83.0	96.806	84.604	65.033	56.052	52.769
83.5	87.206	75.500	57.786	49.487	46.452
84.0	78.039	66.581	50.725	43.045	40.320
84.5	68.997	58.158	43.974	36.914	34.436
85.0	60.449	50.044	37.471	31.154	28.676
85.5	52.150	42.240	31.278	25.270	22.483
86.0	44.346	34.808	25.703	19.200	15.670
86.5	36.604	28.119	20.315	12.139	9.662
87.0	29.481	21.801	14.493	7.680	6.875
87.5	22.854	16.227	8.361	5.884	5.388
88.0	16.723	11.087	5.265	4.521	4.212
88.5	11.520	6.194	3.902	3.283	2.911
89.0	7.246	3.097	2.601	2.106	1.858
89.5	3.592	1.672	1.425	1.053	0.929
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 : LRX4X-4-L15-930-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 : LRX4X-4-L15-930-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 : LRX4X-4-L15-930-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	810.05	N.A.	16.50
0-30	1660.45	N.A.	33.70
0-40	2597.22	N.A.	52.80
0-60	4162.16	N.A.	84.50
0-80	4872.3	N.A.	99.00
0-90	4923.28	N.A.	100.00
10-90	4709.11	N.A.	95.60
20-40	1787.18	N.A.	36.30
20-50	2655.88	N.A.	53.90
40-70	2036.82	N.A.	41.40
60-80	710.13	N.A.	14.40
70-80	238.25	N.A.	4.80
80-90	50.99	N.A.	1.00
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	4923.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	214.17
10-20	595.87
20-30	850.40
30-40	936.78
40-50	868.70
50-60	696.24
60-70	471.88
70-80	238.25
80-90	50.99
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 : LRX4X-4-L15-930-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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	54	50	48
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX4X-4-L15-930-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	20.0	21.6	20.4	21.9	22.2	18.3	19.8	18.7	20.1	20.5
	3H	21.6	23.0	22.0	23.3	23.7	19.6	21.0	20.0	21.3	21.7
	4H	22.2	23.5	22.6	23.8	24.2	20.1	21.4	20.5	21.7	22.1
	6H	22.5	23.7	23.0	24.1	24.5	20.3	21.5	20.7	21.9	22.3
	8H	22.6	23.8	23.1	24.2	24.6	20.4	21.5	20.8	21.9	22.3
	12H	22.7	23.8	23.1	24.2	24.6	20.4	21.5	20.8	21.9	22.3

UGR Viewed Endwise

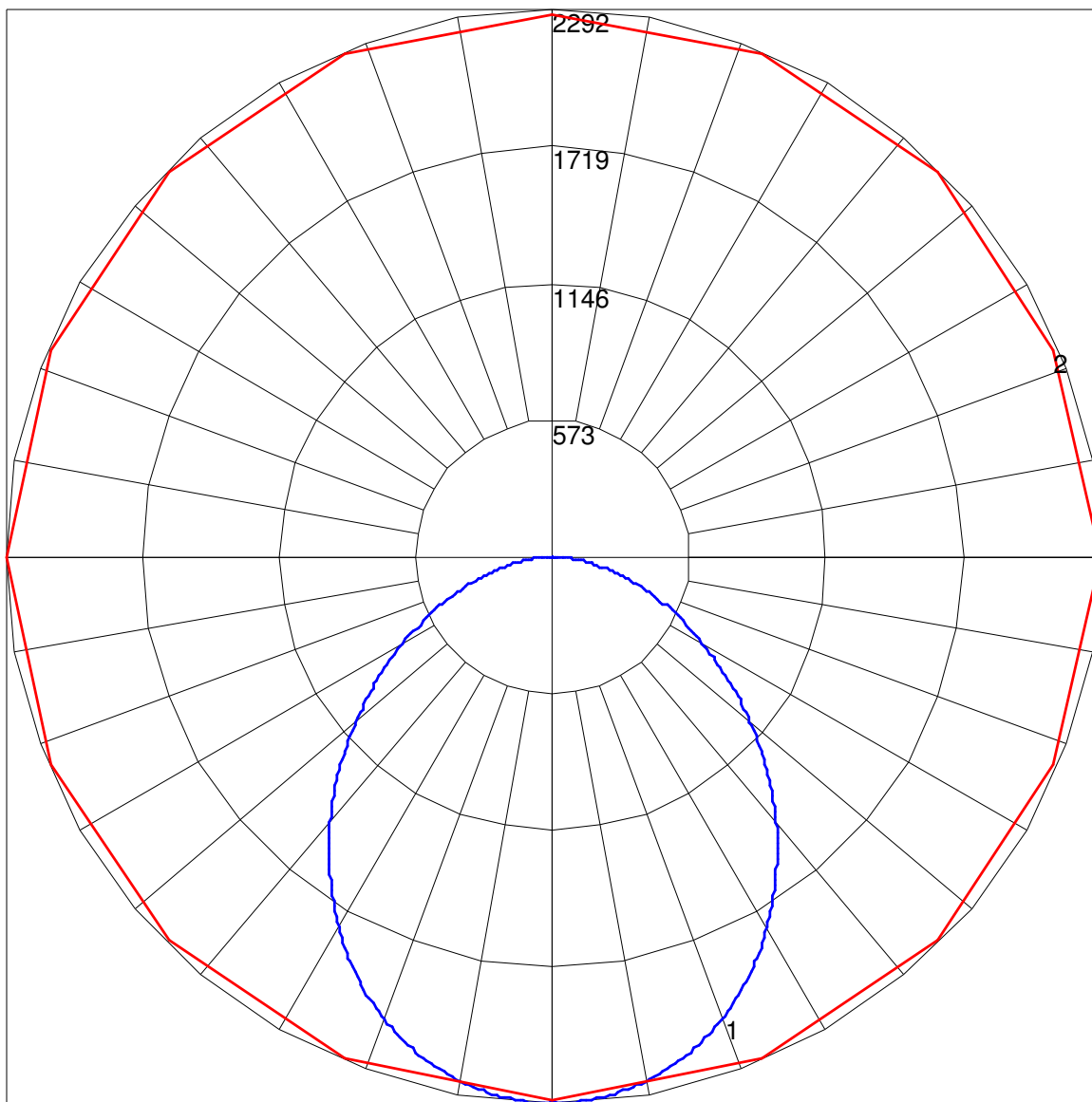
4H	2H	20.4	21.7	20.8	22.0	22.4	19.0	20.3	19.4	20.6	21.0
	3H	22.2	23.3	22.6	23.7	24.1	20.5	21.6	20.9	22.0	22.4
	4H	22.9	23.8	23.3	24.3	24.7	21.0	22.0	21.5	22.4	22.9
	6H	23.4	24.2	23.8	24.7	25.1	21.4	22.2	21.8	22.7	23.1
	8H	23.5	24.3	24.0	24.8	25.2	21.5	22.2	21.9	22.7	23.2
	12H	23.6	24.3	24.1	24.8	25.3	21.5	22.2	22.0	22.7	23.1

8H	4H	23.0	23.8	23.5	24.2	24.7	21.3	22.1	21.8	22.6	23.0
	6H	23.6	24.2	24.1	24.7	25.2	21.8	22.4	22.2	22.9	23.4
	8H	23.8	24.4	24.3	24.9	25.4	21.9	22.5	22.4	23.0	23.5
	12H	23.9	24.5	24.4	24.9	25.5	21.9	22.5	22.5	23.0	23.5

12H	4H	23.0	23.7	23.5	24.2	24.7	21.4	22.1	21.8	22.5	23.0
	6H	23.6	24.2	24.1	24.6	25.2	21.8	22.4	22.3	22.9	23.4
	8H	23.8	24.3	24.3	24.8	25.4	22.0	22.5	22.5	23.0	23.5

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 2291.626 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.)