

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-4-L12-850-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155383.02

[TESTLAB] UL, LLC

[ISSUE DATE] 2026-05-13

[TEST DATE] 3/19/2026

[MANUFAC] H E Williams Inc

[LUMCAT] LRX4x-4-L12-850-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	5109
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	39.6
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	12463	11049	9781
55	10909	9429	8009
65	9282	7755	6443
75	7452	5824	4743
85	4826	2991	2289

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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	2366.596	2366.596	2366.596	2366.596	2366.596
0.5	2378.166	2361.454	2367.239	2365.311	2364.025
1.0	2377.523	2360.812	2366.596	2364.668	2363.383
1.5	2376.880	2359.526	2365.954	2363.383	2362.097
2.0	2375.595	2358.883	2364.025	2360.812	2361.454
2.5	2374.952	2357.598	2362.740	2359.526	2358.883
3.0	2373.024	2355.670	2360.812	2356.312	2355.670
3.5	2371.738	2353.741	2358.241	2353.741	2352.456
4.0	2368.525	2351.170	2355.670	2350.528	2348.599
4.5	2367.239	2348.599	2352.456	2346.671	2344.100
5.0	2364.025	2346.028	2348.599	2342.815	2340.244
5.5	2362.740	2342.172	2344.743	2337.673	2334.459
6.0	2356.955	2338.958	2340.244	2332.531	2329.317
6.5	2353.741	2335.744	2335.102	2326.746	2322.890
7.0	2349.885	2331.245	2330.603	2320.961	2317.105
7.5	2346.028	2326.746	2324.818	2314.534	2310.035
8.0	2341.529	2321.604	2319.676	2307.464	2302.322
8.5	2337.030	2317.105	2313.891	2299.751	2294.609
9.0	2331.888	2311.963	2306.821	2292.038	2286.896
9.5	2326.103	2305.535	2300.393	2283.682	2277.897
10.0	2321.604	2299.751	2292.680	2275.969	2269.541
10.5	2314.534	2293.323	2285.610	2267.613	2260.543
11.0	2308.106	2286.896	2277.254	2257.972	2251.545
11.5	2301.679	2279.825	2268.899	2248.331	2240.618
12.0	2294.609	2272.755	2260.543	2238.047	2230.334
12.5	2286.253	2264.400	2251.545	2227.763	2218.764
13.0	2279.183	2256.687	2241.903	2216.836	2207.838
13.5	2272.112	2248.331	2232.262	2205.909	2196.911
14.0	2263.114	2239.975	2222.621	2193.697	2184.056
14.5	2255.401	2230.334	2211.694	2182.128	2171.844
15.0	2246.403	2221.335	2200.768	2169.916	2158.989
15.5	2237.404	2211.694	2189.841	2157.061	2146.134
16.0	2227.763	2202.053	2178.271	2144.206	2131.994
16.5	2218.764	2192.412	2166.702	2130.708	2118.496
17.0	2208.480	2181.485	2154.490	2117.210	2103.713
17.5	2198.839	2170.558	2142.920	2103.070	2088.929
18.0	2187.913	2160.274	2130.065	2088.929	2074.146
18.5	2178.271	2148.705	2117.210	2074.146	2058.078
19.0	2166.702	2137.136	2103.713	2058.720	2042.009
19.5	2155.775	2125.566	2090.215	2043.937	2025.940
20.0	2144.206	2113.354	2076.074	2028.511	2009.871
20.5	2132.636	2101.142	2061.934	2012.442	1993.160
21.0	2120.424	2088.929	2047.794	1996.374	1975.806
21.5	2108.855	2075.432	2033.010	1979.662	1959.094
22.0	2096.000	2062.577	2017.584	1962.951	1942.383
22.5	2083.145	2049.079	2002.159	1946.239	1924.386
23.0	2070.933	2036.224	1987.375	1928.243	1906.389
23.5	2058.078	2022.084	1971.307	1910.888	1888.392
24.0	2044.580	2007.943	1955.238	1893.534	1869.753
24.5	2031.082	1993.803	1938.527	1875.537	1851.756
25.0	2016.942	1979.662	1922.458	1857.540	1833.116
25.5	2002.159	1964.236	1905.746	1838.901	1813.191
26.0	1988.018	1949.453	1887.749	1820.261	1793.908
26.5	1973.878	1934.027	1871.038	1801.621	1773.983

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CANDELA TABULATION - (Cont.)

27.0	1958.452	1918.601	1853.041	1782.339	1754.701
27.5	1942.383	1902.533	1835.687	1763.056	1735.418
28.0	1927.600	1887.107	1817.690	1743.131	1714.850
28.5	1912.174	1871.038	1800.336	1723.849	1694.925
29.0	1896.748	1854.969	1782.339	1703.924	1675.643
29.5	1878.751	1838.258	1763.699	1683.999	1655.075
30.0	1861.397	1820.904	1745.060	1664.073	1635.150
30.5	1845.328	1804.192	1727.063	1644.791	1614.582
31.0	1828.617	1787.481	1708.423	1624.866	1594.014
31.5	1812.548	1770.127	1689.783	1604.298	1573.446
32.0	1794.551	1752.772	1670.501	1584.373	1553.521
32.5	1777.840	1734.776	1651.861	1563.805	1532.310
33.0	1760.485	1717.421	1631.936	1543.880	1512.385
33.5	1743.131	1699.424	1613.939	1523.312	1490.532
34.0	1726.420	1681.428	1594.014	1503.386	1470.606
34.5	1709.066	1664.073	1574.731	1483.461	1450.681
35.0	1691.711	1645.434	1554.806	1462.893	1430.113
35.5	1673.715	1626.794	1535.524	1443.611	1408.903
36.0	1657.003	1608.797	1516.241	1423.043	1389.620
36.5	1639.006	1590.157	1496.316	1403.118	1369.052
37.0	1620.367	1571.518	1477.677	1383.193	1349.770
37.5	1602.370	1552.878	1458.394	1362.625	1329.202
38.0	1584.373	1533.596	1438.469	1342.700	1308.634
38.5	1565.733	1515.599	1419.187	1322.774	1288.709
39.0	1546.451	1496.316	1399.904	1302.849	1268.784
39.5	1528.454	1477.677	1379.979	1282.924	1248.858
40.0	1509.814	1458.394	1360.697	1264.284	1229.576
40.5	1489.889	1439.754	1340.771	1244.359	1209.008
41.0	1471.249	1420.472	1321.489	1224.434	1187.797
41.5	1452.609	1401.832	1302.206	1204.509	1167.872
42.0	1432.684	1382.550	1282.924	1183.941	1147.304
42.5	1412.116	1362.625	1263.642	1164.659	1127.379
43.0	1392.834	1343.342	1244.359	1143.448	1107.454
43.5	1374.194	1324.703	1225.077	1123.523	1088.814
44.0	1353.626	1305.420	1205.794	1104.883	1069.532
44.5	1334.344	1286.138	1184.584	1085.601	1050.249
45.0	1314.419	1267.498	1165.301	1066.961	1031.610
45.5	1294.494	1247.573	1145.376	1048.321	1012.327
46.0	1275.211	1228.933	1126.736	1029.682	993.688
46.5	1255.929	1209.651	1108.097	1011.685	975.691
47.0	1236.003	1190.368	1089.457	993.045	957.051
47.5	1216.078	1169.800	1071.460	975.048	939.054
48.0	1196.796	1149.875	1053.463	957.051	920.414
48.5	1176.871	1131.236	1034.824	939.054	902.418
49.0	1155.660	1111.953	1016.827	921.057	885.063
49.5	1137.020	1093.956	999.472	903.060	867.709
50.0	1117.738	1075.317	981.475	885.706	850.355
50.5	1099.741	1056.677	963.479	868.352	833.001
51.0	1080.459	1038.680	945.482	850.355	815.647
51.5	1061.819	1020.040	928.127	833.644	798.935
52.0	1043.822	1001.401	910.130	816.289	782.224
52.5	1025.182	983.404	892.776	799.578	766.155
53.0	1006.543	965.407	875.422	782.866	750.086
53.5	987.903	947.410	858.711	766.155	733.375
54.0	969.906	929.413	840.714	750.086	717.306
54.5	951.266	912.059	824.002	733.375	701.238

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55.0	933.269	894.062	806.648	717.949	685.169
55.5	914.630	876.708	789.937	701.238	669.743
56.0	895.990	858.711	773.225	685.812	654.317
56.5	877.993	841.357	756.514	670.386	639.855
57.0	859.353	824.002	739.160	654.960	624.622
57.5	841.357	807.291	723.091	639.534	609.775
58.0	823.360	789.937	706.380	624.365	595.184
58.5	805.363	772.583	689.668	609.389	580.594
59.0	787.366	755.871	673.599	594.670	566.132
59.5	769.369	739.160	657.531	579.951	552.056
60.0	752.015	722.448	641.333	565.168	538.044
60.5	734.660	705.737	625.650	550.770	524.032
61.0	717.306	689.668	609.646	536.501	510.277
61.5	700.595	672.957	594.092	522.104	496.715
62.0	683.241	656.245	578.408	508.349	483.603
62.5	666.529	640.369	563.240	494.530	470.234
63.0	649.818	624.493	548.135	480.775	457.122
63.5	633.428	608.618	533.031	466.892	443.881
64.0	617.488	592.870	518.312	453.523	431.155
64.5	601.033	577.123	503.464	440.218	418.493
65.0	585.093	561.697	488.874	426.913	406.152
65.5	569.281	546.078	474.155	413.865	393.554
66.0	553.534	530.588	459.950	401.139	381.214
66.5	537.915	515.291	445.681	388.220	368.744
67.0	522.104	500.122	431.605	375.429	356.789
67.5	506.292	484.953	417.722	363.088	344.834
68.0	491.123	470.041	403.710	350.683	332.750
68.5	475.633	455.258	390.019	338.471	321.117
69.0	460.272	440.475	376.457	326.323	309.547
69.5	445.360	425.756	363.217	314.304	298.299
70.0	430.255	411.101	349.719	302.541	286.922
70.5	415.343	396.704	336.478	290.843	275.932
71.0	400.432	382.435	323.623	279.467	264.812
71.5	385.841	368.037	310.768	268.154	254.078
72.0	371.315	354.025	298.042	256.906	243.344
72.5	356.853	340.142	285.380	245.915	232.932
73.0	342.777	326.451	272.975	234.860	222.712
73.5	328.701	312.568	260.763	224.319	212.492
74.0	314.882	298.942	248.679	213.714	202.337
74.5	301.191	285.573	236.724	203.430	192.696
75.0	287.694	272.396	224.833	193.081	183.119
75.5	274.453	259.477	213.328	183.247	173.606
76.0	261.534	246.686	202.080	173.413	164.415
76.5	248.550	233.896	190.832	163.965	155.416
77.0	236.274	221.427	180.034	154.517	146.482
77.5	223.805	209.150	169.300	145.389	137.741
78.0	211.400	197.066	158.694	136.455	129.449
78.5	199.123	185.111	148.539	127.778	121.029
79.0	187.425	173.606	138.576	119.230	112.931
79.5	175.920	161.908	128.871	110.681	105.025
80.0	164.479	150.724	119.230	102.647	97.376
80.5	153.102	139.605	109.846	94.677	89.792
81.0	142.111	128.807	100.847	87.092	82.593
81.5	131.249	118.330	92.041	79.572	75.459
82.0	120.772	107.724	83.686	72.245	68.388
82.5	110.553	97.698	75.459	65.110	61.639

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CANDELA TABULATION - (Cont.)

83.0	100.461	87.799	67.488	58.169	54.762
83.5	90.499	78.351	59.968	51.356	48.206
84.0	80.986	69.095	52.641	44.671	41.843
84.5	71.602	60.354	45.635	38.308	35.737
85.0	62.732	51.934	38.886	32.330	29.759
85.5	54.119	43.835	32.459	26.224	23.332
86.0	46.021	36.122	26.674	19.925	16.262
86.5	37.986	29.181	21.082	12.598	10.027
87.0	30.595	22.625	15.040	7.970	7.134
87.5	23.717	16.840	8.677	6.106	5.592
88.0	17.354	11.505	5.463	4.692	4.371
88.5	11.955	6.427	4.049	3.407	3.021
89.0	7.520	3.214	2.700	2.185	1.928
89.5	3.728	1.735	1.478	1.093	0.964
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-L12-850-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-L12-850-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-L12-850-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	840.64	N.A.	16.50
0-30	1723.15	N.A.	33.70
0-40	2695.3	N.A.	52.80
0-60	4319.34	N.A.	84.50
0-80	5056.29	N.A.	99.00
0-90	5109.2	N.A.	100.00
10-90	4886.94	N.A.	95.60
20-40	1854.67	N.A.	36.30
20-50	2756.18	N.A.	53.90
40-70	2113.73	N.A.	41.40
60-80	736.95	N.A.	14.40
70-80	247.25	N.A.	4.80
80-90	52.91	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	5109.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.26
10-20	618.38
20-30	882.52
30-40	972.15
40-50	901.51
50-60	722.53
60-70	489.70
70-80	247.25
80-90	52.91
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-L12-850-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-L12-850-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

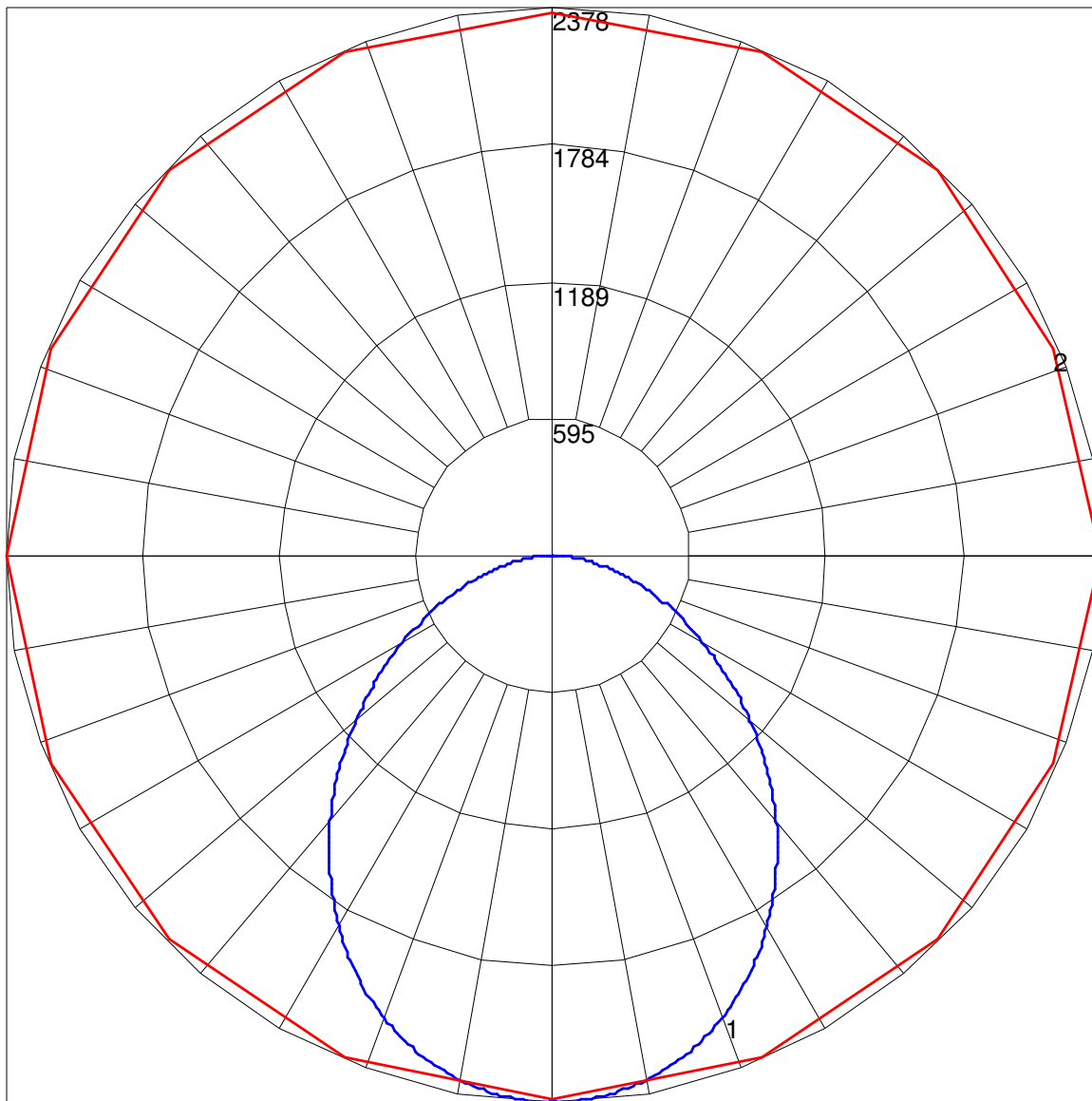
Reflectances

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	20.2	21.8	20.6	22.1	22.4	18.5	20.0	18.9	20.3	20.7
	3H	21.8	23.2	22.2	23.5	23.9	19.8	21.2	20.2	21.5	21.9
	4H	22.4	23.7	22.8	24.0	24.4	20.3	21.6	20.7	21.9	22.3
	6H	22.7	23.9	23.2	24.3	24.7	20.5	21.7	20.9	22.1	22.5
	8H	22.8	24.0	23.3	24.4	24.8	20.6	21.7	21.0	22.1	22.5
	12H	22.9	24.0	23.3	24.4	24.8	20.6	21.7	21.0	22.1	22.5
4H	2H	20.6	21.9	21.0	22.2	22.6	19.2	20.5	19.6	20.8	21.2
	3H	22.4	23.5	22.8	23.9	24.3	20.7	21.8	21.1	22.2	22.6
	4H	23.1	24.0	23.5	24.5	24.9	21.2	22.2	21.7	22.6	23.1
	6H	23.6	24.4	24.0	24.9	25.3	21.6	22.4	22.0	22.9	23.3
	8H	23.7	24.5	24.2	25.0	25.4	21.7	22.4	22.1	22.9	23.4
	12H	23.8	24.5	24.3	25.0	25.5	21.7	22.4	22.2	22.9	23.3
8H	4H	23.2	24.0	23.7	24.4	24.9	21.5	22.3	22.0	22.8	23.2
	6H	23.8	24.4	24.3	24.9	25.4	22.0	22.6	22.4	23.1	23.6
	8H	24.0	24.6	24.5	25.1	25.6	22.1	22.7	22.6	23.2	23.7
	12H	24.1	24.7	24.6	25.1	25.7	22.1	22.7	22.7	23.2	23.7
12H	4H	23.2	23.9	23.7	24.4	24.9	21.6	22.3	22.0	22.7	23.2
	6H	23.8	24.4	24.3	24.9	25.4	22.0	22.6	22.5	23.1	23.6
	8H	24.0	24.5	24.5	25.0	25.6	22.2	22.7	22.7	23.2	23.7

Maximum UGR = 25.7

POLAR GRAPH



Maximum Candela = 2378.166 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.)