

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2X-4-L12-830-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155383.01

[TESTLAB] UL, LLC

[ISSUEDATE] 2026-05-12

[TESTDATE] 3/19/2026

[MANUFAC] H E Williams Inc

[LUMCAT] LRX2x-4-L12-830-DMA-DIM-UNV_

[LUMINAIRE] Nominal 2" x 4' 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	4827
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	48.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.23 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20617	17850	15570
55	18220	15282	12644
65	15629	12298	9927
75	12539	8768	6811
85	8255	2613	1415

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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	2295.891	2295.891	2295.891	2295.891	2295.891
0.5	2299.470	2292.313	2298.038	2296.607	2290.166
1.0	2298.038	2291.597	2298.038	2295.891	2289.450
1.5	2297.322	2290.166	2295.891	2293.744	2287.303
2.0	2296.607	2289.450	2295.175	2292.313	2285.156
2.5	2295.175	2288.019	2293.028	2289.450	2283.009
3.0	2293.744	2286.587	2290.881	2286.587	2279.431
3.5	2291.597	2284.440	2287.303	2282.293	2275.852
4.0	2289.450	2281.578	2284.440	2278.715	2270.842
4.5	2287.303	2278.715	2280.146	2273.705	2265.117
5.0	2285.872	2275.852	2276.568	2267.980	2260.107
5.5	2281.578	2272.274	2271.558	2262.970	2254.382
6.0	2278.715	2268.695	2266.548	2256.529	2247.941
6.5	2275.136	2264.401	2261.539	2249.372	2240.784
7.0	2270.842	2259.392	2255.813	2242.931	2232.196
7.5	2266.548	2255.098	2249.372	2234.343	2223.608
8.0	2262.254	2250.088	2242.931	2226.470	2214.304
8.5	2257.245	2244.362	2235.774	2217.882	2206.432
9.0	2251.519	2238.637	2228.618	2208.579	2197.128
9.5	2246.509	2233.627	2220.745	2199.275	2186.393
10.0	2240.784	2227.186	2212.873	2189.255	2175.657
10.5	2235.774	2220.745	2204.284	2178.520	2164.207
11.0	2229.333	2213.588	2194.981	2167.785	2151.324
11.5	2223.608	2207.147	2185.677	2156.334	2140.589
12.0	2219.314	2200.706	2175.657	2144.883	2128.423
12.5	2210.010	2193.549	2165.638	2132.001	2116.256
13.0	2201.422	2184.961	2155.618	2119.835	2102.658
13.5	2194.265	2174.942	2144.883	2107.668	2089.061
14.0	2185.677	2165.638	2133.432	2094.070	2075.463
14.5	2177.089	2155.618	2121.982	2080.472	2061.149
15.0	2168.501	2146.315	2111.247	2066.875	2046.120
15.5	2159.913	2137.011	2099.796	2051.845	2031.091
16.0	2150.609	2126.991	2088.345	2037.532	2016.777
16.5	2142.021	2116.256	2075.463	2023.218	2001.032
17.0	2131.285	2105.521	2061.149	2007.473	1984.572
17.5	2121.266	2094.786	2047.551	1992.444	1968.827
18.0	2111.962	2083.335	2033.953	1976.699	1951.651
18.5	2100.511	2071.884	2019.640	1960.239	1935.190
19.0	2089.776	2060.433	2005.326	1945.210	1918.729
19.5	2079.757	2048.267	1991.013	1928.033	1900.122
20.0	2067.590	2036.100	1976.699	1910.857	1882.946
20.5	2056.855	2024.650	1962.386	1894.396	1865.769
21.0	2045.404	2011.767	1946.641	1877.936	1847.877
21.5	2033.238	1998.885	1930.896	1860.760	1829.986
22.0	2021.071	1986.003	1915.867	1842.868	1812.094
22.5	2008.905	1972.405	1900.838	1824.976	1794.202
23.0	1996.023	1959.523	1884.377	1807.084	1775.594
23.5	1983.856	1945.925	1867.916	1789.908	1756.987
24.0	1969.543	1931.612	1851.456	1771.300	1739.095
24.5	1956.660	1917.298	1834.280	1753.408	1720.487
25.0	1943.062	1902.985	1818.535	1734.801	1701.879
25.5	1929.465	1888.671	1801.358	1716.193	1682.556
26.0	1915.867	1872.926	1784.182	1698.301	1663.949
26.5	1901.553	1858.613	1767.006	1679.693	1644.625

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CANDELA TABULATION - (Cont.)

27.0	1886.524	1842.868	1749.830	1661.086	1626.018
27.5	1871.495	1827.839	1731.938	1642.478	1606.694
28.0	1855.034	1812.094	1714.762	1623.871	1587.371
28.5	1838.574	1796.349	1697.585	1605.979	1568.048
29.0	1823.544	1780.604	1678.978	1586.655	1548.725
29.5	1808.515	1764.143	1661.086	1567.332	1528.686
30.0	1792.055	1747.683	1643.910	1548.725	1510.794
30.5	1777.025	1731.938	1626.018	1529.401	1491.470
31.0	1760.565	1715.477	1608.126	1510.078	1472.863
31.5	1745.536	1698.301	1589.518	1491.470	1454.255
32.0	1729.075	1681.125	1571.626	1472.147	1434.932
32.5	1712.615	1663.949	1553.019	1452.108	1415.609
33.0	1696.870	1646.772	1535.127	1433.501	1397.001
33.5	1680.409	1630.312	1517.235	1415.609	1378.393
34.0	1663.233	1612.420	1498.627	1396.285	1359.070
34.5	1646.772	1595.244	1480.735	1377.678	1341.178
35.0	1629.596	1578.067	1462.128	1359.070	1321.139
35.5	1613.851	1560.175	1443.520	1340.463	1301.816
36.0	1596.675	1542.999	1425.628	1321.139	1281.061
36.5	1579.499	1525.107	1407.021	1301.816	1263.170
37.0	1563.038	1507.215	1388.413	1281.777	1244.562
37.5	1545.146	1489.323	1371.237	1263.170	1226.670
38.0	1526.539	1472.147	1352.629	1245.278	1208.062
38.5	1509.362	1453.540	1334.022	1227.386	1190.170
39.0	1492.902	1435.648	1313.983	1208.778	1172.279
39.5	1474.294	1417.756	1294.659	1190.886	1154.387
40.0	1457.118	1399.864	1276.052	1173.710	1136.495
40.5	1439.226	1381.972	1258.160	1155.102	1118.603
41.0	1419.903	1364.080	1240.268	1137.926	1100.711
41.5	1402.011	1345.472	1221.660	1120.034	1083.535
42.0	1383.403	1326.865	1204.484	1102.858	1065.643
42.5	1364.796	1307.541	1185.876	1084.966	1048.466
43.0	1346.904	1287.503	1169.416	1067.790	1030.575
43.5	1327.580	1269.611	1151.524	1050.614	1012.683
44.0	1307.541	1251.719	1133.632	1033.437	994.791
44.5	1286.787	1233.111	1116.456	1016.261	976.899
45.0	1268.895	1215.219	1098.564	999.085	958.291
45.5	1251.003	1197.327	1081.388	981.909	940.399
46.0	1232.395	1179.435	1063.496	964.017	923.223
46.5	1213.788	1161.543	1046.319	946.840	905.331
47.0	1195.180	1143.652	1029.859	928.948	888.155
47.5	1177.288	1125.760	1012.683	911.772	870.979
48.0	1158.681	1107.868	995.506	893.880	853.802
48.5	1140.789	1090.691	978.330	876.704	836.626
49.0	1122.897	1072.799	961.870	859.528	819.450
49.5	1104.289	1054.908	944.693	842.352	802.989
50.0	1087.113	1037.731	928.233	825.891	787.244
50.5	1069.221	1019.839	911.772	808.715	770.784
51.0	1051.329	1002.663	895.312	792.254	754.323
51.5	1033.437	985.487	878.851	775.794	738.578
52.0	1015.545	968.311	862.391	759.333	722.834
52.5	998.369	951.134	845.930	743.588	706.946
53.0	980.477	934.674	829.469	727.128	690.986
53.5	962.585	917.498	813.009	711.311	676.529
54.0	944.693	900.321	796.548	695.495	660.856
54.5	927.517	883.145	779.372	679.965	645.827

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CANDELA TABULATION - (Cont.)

55.0	909.625	866.685	762.911	664.148	631.227
55.5	892.449	850.224	746.451	648.904	616.627
56.0	874.557	833.763	729.275	633.589	601.884
56.5	857.381	816.587	713.100	618.703	587.070
57.0	839.489	800.842	696.854	603.673	572.899
57.5	823.028	784.382	680.609	589.002	558.586
58.0	805.852	767.921	664.434	574.402	544.773
58.5	787.960	751.461	648.618	559.946	530.746
59.0	771.500	735.000	632.658	545.704	516.862
59.5	754.323	719.255	616.842	531.462	503.407
60.0	737.863	703.081	601.312	517.649	490.239
60.5	720.687	687.336	586.068	503.622	476.855
61.0	704.083	671.520	570.824	489.738	463.830
61.5	687.479	655.775	555.580	476.140	451.163
62.0	670.947	640.030	540.408	463.114	438.352
62.5	654.773	624.643	525.378	449.874	425.613
63.0	638.598	609.327	510.564	436.706	413.303
63.5	622.782	594.155	495.749	423.752	401.280
64.0	606.465	578.911	481.221	411.013	388.899
64.5	590.576	563.882	466.764	398.346	376.947
65.0	574.903	548.781	452.379	385.893	365.138
65.5	559.158	533.823	438.137	373.440	353.330
66.0	543.700	519.224	424.038	361.345	341.664
66.5	528.384	504.481	410.226	349.107	330.285
67.0	512.854	489.738	396.270	337.155	318.977
67.5	497.610	475.209	382.744	325.347	307.598
68.0	482.652	460.395	369.003	313.610	296.505
68.5	467.623	445.509	355.834	302.159	285.483
69.0	452.737	430.336	342.666	290.636	274.605
69.5	437.923	415.594	329.641	279.400	264.013
70.0	423.037	400.779	316.759	268.307	253.135
70.5	408.294	385.964	304.019	257.286	242.829
71.0	393.622	371.365	291.424	246.336	232.380
71.5	379.380	356.980	279.042	235.672	221.931
72.0	365.353	342.738	266.876	224.937	211.697
72.5	350.968	328.853	254.853	214.488	201.606
73.0	337.012	314.898	243.044	204.111	191.801
73.5	322.985	301.014	231.450	193.805	181.853
74.0	309.459	287.630	219.999	183.929	172.335
74.5	295.861	274.247	208.763	173.838	162.816
75.0	282.478	260.936	197.527	164.033	153.441
75.5	269.166	248.054	186.649	154.371	144.424
76.0	256.355	235.171	175.985	145.068	135.406
76.5	243.616	222.719	165.393	135.907	126.746
77.0	231.020	210.123	155.087	126.818	118.445
77.5	218.711	197.885	144.925	118.087	110.143
78.0	206.473	185.861	134.905	109.570	102.056
78.5	194.593	174.053	124.957	101.268	94.183
79.0	182.855	162.387	115.367	93.110	86.454
79.5	171.548	150.865	106.063	85.237	78.796
80.0	160.383	139.629	97.046	77.579	71.425
80.5	149.433	128.607	88.315	69.922	64.053
81.0	138.627	117.729	80.013	62.479	56.896
81.5	128.106	107.208	71.854	55.107	49.596
82.0	117.872	97.046	64.125	48.022	42.368
82.5	107.924	87.169	56.538	40.722	34.710

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CANDELA TABULATION - (Cont.)

83.0	98.262	77.579	49.095	33.279	26.480
83.5	88.887	68.276	41.939	25.049	17.677
84.0	79.798	59.473	34.925	16.675	13.669
84.5	71.067	51.028	27.840	12.739	12.095
85.0	62.622	43.012	19.824	11.165	10.735
85.5	54.535	35.498	12.023	9.805	9.447
86.0	46.734	28.341	9.447	8.445	8.159
86.5	39.148	21.613	8.016	7.157	6.870
87.0	32.062	15.029	6.656	5.940	5.654
87.5	25.263	7.944	5.296	4.652	4.509
88.0	18.894	5.010	4.079	3.507	3.292
88.5	13.025	3.722	2.863	2.433	2.290
89.0	7.944	2.433	1.718	1.431	1.360
89.5	3.578	1.288	0.859	0.716	0.573
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 : LRX2X-4-L12-830-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 : LRX2X-4-L12-830-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 : LRX2X-4-L12-830-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	807.39	N.A.	16.70
0-30	1643.65	N.A.	34.10
0-40	2561.15	N.A.	53.10
0-60	4100.63	N.A.	85.00
0-80	4786.17	N.A.	99.20
0-90	4826.99	N.A.	100.00
10-90	4612.04	N.A.	95.50
20-40	1753.76	N.A.	36.30
20-50	2607.56	N.A.	54.00
40-70	2000.37	N.A.	41.40
60-80	685.54	N.A.	14.20
70-80	224.64	N.A.	4.70
80-90	40.82	N.A.	0.80
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	4826.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	214.95
10-20	592.44
20-30	836.25
30-40	917.51
40-50	853.80
50-60	685.67
60-70	460.90
70-80	224.64
80-90	40.82
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 : LRX2X-4-L12-830-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	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	65	63
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2X-4-L12-830-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

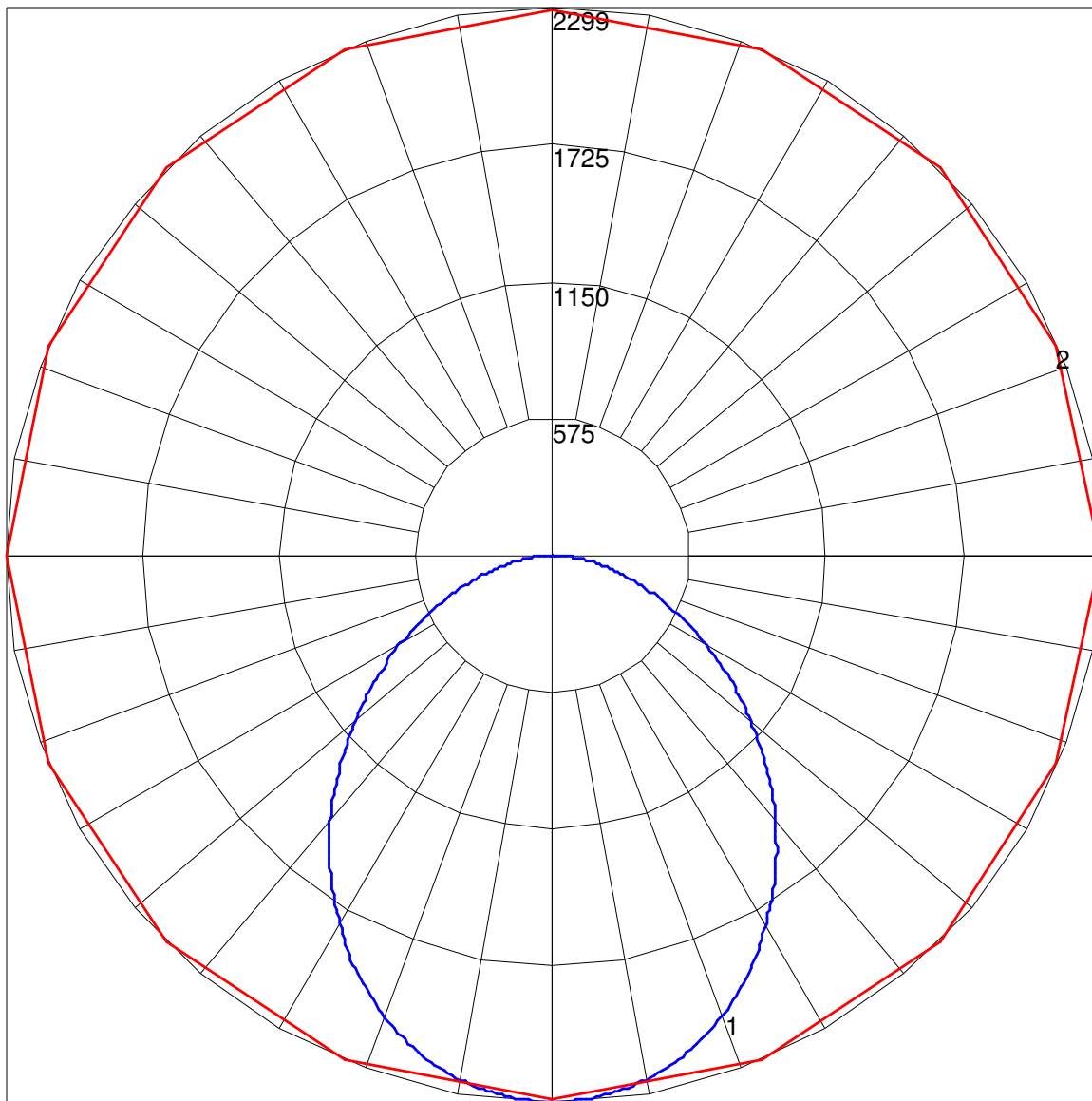
Reflectances

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	22.1	23.6	22.5	24.0	24.3	20.0	21.5	20.4	21.8	22.1
	3H	23.7	25.1	24.1	25.4	25.8	21.2	22.6	21.6	23.0	23.3
	4H	24.3	25.6	24.7	25.9	26.3	21.6	22.9	22.0	23.3	23.6
	6H	24.6	25.8	25.0	26.2	26.6	21.8	23.0	22.2	23.4	23.8
	8H	24.7	25.9	25.2	26.3	26.7	21.8	23.0	22.3	23.3	23.7
	12H	24.8	25.9	25.2	26.3	26.7	21.8	22.9	22.2	23.3	23.7
4H	2H	22.4	23.7	22.8	24.1	24.4	20.7	22.0	21.1	22.3	22.7
	3H	24.3	25.3	24.7	25.7	26.1	22.1	23.2	22.5	23.6	24.0
	4H	24.9	25.9	25.4	26.3	26.8	22.6	23.5	23.0	24.0	24.4
	6H	25.4	26.3	25.9	26.7	27.2	22.8	23.7	23.3	24.1	24.6
	8H	25.6	26.3	26.0	26.8	27.3	22.8	23.6	23.3	24.1	24.5
	12H	25.6	26.4	26.1	26.8	27.3	22.8	23.5	23.3	24.0	24.5
8H	4H	25.0	25.8	25.5	26.2	26.7	22.9	23.7	23.3	24.1	24.6
	6H	25.6	26.2	26.1	26.7	27.2	23.2	23.8	23.7	24.3	24.8
	8H	25.8	26.4	26.3	26.9	27.4	23.2	23.8	23.7	24.3	24.8
	12H	25.9	26.4	26.4	26.9	27.5	23.2	23.7	23.7	24.2	24.8
12H	4H	25.0	25.7	25.5	26.2	26.7	22.9	23.6	23.4	24.1	24.6
	6H	25.6	26.2	26.1	26.6	27.2	23.2	23.8	23.8	24.3	24.8
	8H	25.8	26.3	26.3	26.8	27.4	23.3	23.8	23.8	24.3	24.9

Maximum UGR = 27.5

POLAR GRAPH



Maximum Candela = 2299.47 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.)