

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2X-4-L12-827-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-L12-827-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	4729
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
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	20201	17489	15256
55	17852	14973	12388
65	15313	12050	9726
75	12286	8591	6674
85	8088	2561	1387

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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	2249.510	2249.510	2249.510	2249.510	2249.510
0.5	2253.016	2246.004	2251.613	2250.211	2243.900
1.0	2251.613	2245.302	2251.613	2249.510	2243.199
1.5	2250.912	2243.900	2249.510	2247.406	2241.095
2.0	2250.211	2243.199	2248.808	2246.004	2238.991
2.5	2248.808	2241.796	2246.705	2243.199	2236.888
3.0	2247.406	2240.394	2244.601	2240.394	2233.382
3.5	2245.302	2238.290	2241.095	2236.187	2229.876
4.0	2243.199	2235.485	2238.290	2232.680	2224.967
4.5	2241.095	2232.680	2234.083	2227.772	2219.357
5.0	2239.693	2229.876	2230.577	2222.162	2214.449
5.5	2235.485	2226.369	2225.668	2217.254	2208.839
6.0	2232.680	2222.863	2220.760	2210.943	2202.528
6.5	2229.174	2218.656	2215.851	2203.930	2195.516
7.0	2224.967	2213.748	2210.241	2197.619	2187.101
7.5	2220.760	2209.540	2203.930	2189.205	2178.687
8.0	2216.552	2204.632	2197.619	2181.491	2169.571
8.5	2211.644	2199.022	2190.607	2173.077	2161.857
9.0	2206.034	2193.412	2183.595	2163.961	2152.741
9.5	2201.126	2188.504	2175.882	2154.845	2142.223
10.0	2195.516	2182.193	2168.168	2145.028	2131.705
10.5	2190.607	2175.882	2159.754	2134.510	2120.485
11.0	2184.296	2168.870	2150.638	2123.992	2107.863
11.5	2178.687	2162.559	2141.522	2112.772	2097.345
12.0	2174.479	2156.248	2131.705	2101.553	2085.424
12.5	2165.363	2149.235	2121.888	2088.931	2073.504
13.0	2156.949	2140.821	2112.071	2077.010	2060.181
13.5	2149.937	2131.004	2101.553	2065.089	2046.857
14.0	2141.522	2121.888	2090.333	2051.766	2033.534
14.5	2133.107	2112.071	2079.114	2038.443	2019.510
15.0	2124.693	2102.955	2068.595	2025.120	2004.784
15.5	2116.278	2093.839	2057.376	2010.394	1990.059
16.0	2107.162	2084.022	2046.156	1996.370	1976.034
16.5	2098.748	2073.504	2033.534	1982.345	1960.608
17.0	2088.229	2062.985	2019.510	1966.919	1944.480
17.5	2078.412	2052.467	2006.187	1952.193	1929.053
18.0	2069.296	2041.248	1992.864	1936.766	1912.223
18.5	2058.077	2030.028	1978.839	1920.638	1896.095
19.0	2047.559	2018.809	1964.815	1905.912	1879.967
19.5	2037.742	2006.888	1950.790	1889.083	1861.736
20.0	2025.821	1994.967	1936.766	1872.254	1844.906
20.5	2015.303	1983.748	1922.742	1856.126	1828.077
21.0	2004.083	1971.126	1907.315	1839.998	1810.547
21.5	1992.162	1958.504	1891.888	1823.169	1793.016
22.0	1980.242	1945.882	1877.163	1805.638	1775.486
22.5	1968.321	1932.559	1862.437	1788.108	1757.955
23.0	1955.699	1919.937	1846.309	1770.577	1739.724
23.5	1943.778	1906.614	1830.181	1753.748	1721.492
24.0	1929.754	1892.589	1814.053	1735.516	1703.961
24.5	1917.132	1878.565	1797.224	1717.986	1685.730
25.0	1903.809	1864.541	1781.797	1699.754	1667.498
25.5	1890.486	1850.516	1764.968	1681.523	1648.565
26.0	1877.163	1835.089	1748.138	1663.992	1630.334
26.5	1863.138	1821.065	1731.309	1645.760	1611.401

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CANDELA TABULATION - (Cont.)

27.0	1848.413	1805.638	1714.480	1627.529	1593.169
27.5	1833.687	1790.913	1696.949	1609.297	1574.236
28.0	1817.559	1775.486	1680.120	1591.065	1555.303
28.5	1801.431	1760.059	1663.291	1573.535	1536.370
29.0	1786.705	1744.632	1645.059	1554.602	1517.437
29.5	1771.980	1728.504	1627.529	1535.669	1497.803
30.0	1755.852	1712.376	1610.699	1517.437	1480.273
30.5	1741.126	1696.949	1593.169	1498.504	1461.340
31.0	1724.998	1680.821	1575.638	1479.572	1443.108
31.5	1710.272	1663.992	1557.407	1461.340	1424.876
32.0	1694.144	1647.163	1539.876	1442.407	1405.944
32.5	1678.016	1630.334	1521.645	1422.773	1387.011
33.0	1662.590	1613.504	1504.114	1404.541	1368.779
33.5	1646.462	1597.376	1486.584	1387.011	1350.547
34.0	1629.632	1579.846	1468.352	1368.078	1331.614
34.5	1613.504	1563.017	1450.822	1349.846	1314.084
35.0	1596.675	1546.187	1432.590	1331.614	1294.450
35.5	1581.248	1528.657	1414.358	1313.383	1275.517
36.0	1564.419	1511.828	1396.828	1294.450	1255.182
36.5	1547.590	1494.297	1378.596	1275.517	1237.651
37.0	1531.462	1476.767	1360.364	1255.883	1219.419
37.5	1513.931	1459.236	1343.535	1237.651	1201.889
38.0	1495.700	1442.407	1325.303	1220.121	1183.657
38.5	1478.870	1424.175	1307.072	1202.590	1166.127
39.0	1462.742	1406.645	1287.438	1184.358	1148.596
39.5	1444.511	1389.114	1268.505	1166.828	1131.066
40.0	1427.681	1371.584	1250.273	1149.999	1113.535
40.5	1410.151	1354.053	1232.743	1131.767	1096.005
41.0	1391.218	1336.523	1215.212	1114.938	1078.474
41.5	1373.687	1318.291	1196.980	1097.407	1061.645
42.0	1355.456	1300.060	1180.151	1080.578	1044.115
42.5	1337.224	1281.127	1161.919	1063.048	1027.285
43.0	1319.694	1261.492	1145.791	1046.218	1009.755
43.5	1300.761	1243.962	1128.261	1029.389	992.224
44.0	1281.127	1226.432	1110.730	1012.560	974.694
44.5	1260.791	1208.200	1093.901	995.731	957.164
45.0	1243.261	1190.669	1076.371	978.901	938.932
45.5	1225.730	1173.139	1059.541	962.072	921.401
46.0	1207.499	1155.608	1042.011	944.542	904.572
46.5	1189.267	1138.078	1025.182	927.712	887.042
47.0	1171.035	1120.548	1009.054	910.182	870.212
47.5	1153.505	1103.017	992.224	893.353	853.383
48.0	1135.273	1085.487	975.395	875.822	836.554
48.5	1117.743	1068.657	958.566	858.993	819.725
49.0	1100.212	1051.127	942.438	842.164	802.895
49.5	1081.980	1033.596	925.609	825.334	786.767
50.0	1065.151	1016.767	909.481	809.206	771.341
50.5	1047.621	999.237	893.353	792.377	755.213
51.0	1030.090	982.407	877.225	776.249	739.085
51.5	1012.560	965.578	861.097	760.121	723.658
52.0	995.029	948.749	844.969	743.993	708.231
52.5	978.200	931.920	828.841	728.566	692.664
53.0	960.670	915.792	812.713	712.438	677.027
53.5	943.139	898.962	796.584	696.941	662.862
54.0	925.609	882.133	780.456	681.444	647.505
54.5	908.779	865.304	763.627	666.228	632.780

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CANDELA TABULATION - (Cont.)

55.0	891.249	849.176	747.499	650.731	618.475
55.5	874.420	833.048	731.371	635.795	604.170
56.0	856.889	816.920	714.542	620.789	589.725
56.5	840.060	800.091	698.694	606.204	575.210
57.0	822.530	784.664	682.777	591.478	561.326
57.5	806.402	768.536	666.859	577.103	547.301
58.0	789.572	752.408	651.011	562.798	533.768
58.5	772.042	736.280	635.515	548.634	520.024
59.0	755.914	720.152	619.877	534.679	506.420
59.5	739.085	704.725	604.380	520.725	493.237
60.0	722.957	688.877	589.164	507.192	480.335
60.5	706.127	673.450	574.228	493.448	467.222
61.0	689.859	657.954	559.292	479.844	454.460
61.5	673.591	642.527	544.356	466.521	442.048
62.0	657.393	627.100	529.490	453.759	429.496
62.5	641.545	612.024	514.765	440.786	417.015
63.0	625.697	597.018	500.249	427.884	404.954
63.5	610.201	582.152	485.734	415.192	393.173
64.0	594.213	567.216	471.499	402.710	381.042
64.5	578.646	552.490	457.335	390.298	369.332
65.0	563.289	537.695	443.240	378.097	357.762
65.5	547.862	523.039	429.286	365.896	346.192
66.0	532.716	508.734	415.472	354.045	334.762
66.5	517.710	494.289	401.939	342.054	323.612
67.0	502.493	479.844	388.265	330.344	312.533
67.5	487.557	465.609	375.012	318.774	301.384
68.0	472.902	451.094	361.548	307.274	290.515
68.5	458.176	436.509	348.646	296.055	279.716
69.0	443.591	421.643	335.744	284.765	269.058
69.5	429.076	407.198	322.981	273.756	258.680
70.0	414.490	392.682	310.359	262.887	248.021
70.5	400.045	378.167	297.878	252.088	237.924
71.0	385.670	363.862	285.536	241.359	227.686
71.5	371.716	349.768	273.405	230.911	217.448
72.0	357.972	335.814	261.484	220.393	207.420
72.5	343.878	322.210	249.704	210.155	197.533
73.0	330.204	308.536	238.134	199.988	187.927
73.5	316.460	294.933	226.774	189.890	178.180
74.0	303.207	281.820	215.555	180.213	168.853
74.5	289.884	268.707	204.546	170.326	159.527
75.0	276.771	255.664	193.536	160.719	150.341
75.5	263.728	243.042	182.878	151.253	141.506
76.0	251.177	230.420	172.430	142.137	132.671
76.5	238.695	218.219	162.052	133.161	124.186
77.0	226.353	205.878	151.954	124.256	116.052
77.5	214.292	193.887	141.997	115.701	107.918
78.0	202.302	182.107	132.180	107.357	99.994
78.5	190.661	170.536	122.433	99.222	92.280
79.0	179.161	159.107	113.036	91.229	84.707
79.5	168.082	147.817	103.921	83.515	77.204
80.0	157.143	136.808	95.085	76.012	69.982
80.5	146.414	126.009	86.530	68.509	62.759
81.0	135.826	115.350	78.396	61.216	55.747
81.5	125.518	105.043	70.402	53.994	48.594
82.0	115.491	95.085	62.829	47.052	41.512
82.5	105.744	85.408	55.396	39.899	34.009

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CANDELA TABULATION - (Cont.)

83.0	96.277	76.012	48.104	32.607	25.945
83.5	87.091	66.896	41.091	24.543	17.320
84.0	78.186	58.271	34.219	16.338	13.393
84.5	69.631	49.997	27.277	12.482	11.851
85.0	61.357	42.143	19.424	10.939	10.518
85.5	53.433	34.780	11.780	9.607	9.256
86.0	45.790	27.768	9.256	8.274	7.994
86.5	38.357	21.177	7.854	7.012	6.732
87.0	31.415	14.726	6.521	5.820	5.540
87.5	24.753	7.784	5.189	4.558	4.418
88.0	18.512	4.909	3.997	3.436	3.226
88.5	12.762	3.646	2.805	2.384	2.244
89.0	7.784	2.384	1.683	1.402	1.332
89.5	3.506	1.262	0.841	0.701	0.561
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-L12-827-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-L12-827-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-L12-827-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	791.08	N.A.	16.70
0-30	1610.44	N.A.	34.10
0-40	2509.41	N.A.	53.10
0-60	4017.79	N.A.	85.00
0-80	4689.48	N.A.	99.20
0-90	4729.47	N.A.	100.00
10-90	4518.86	N.A.	95.50
20-40	1718.33	N.A.	36.30
20-50	2554.88	N.A.	54.00
40-70	1959.96	N.A.	41.40
60-80	671.69	N.A.	14.20
70-80	220.10	N.A.	4.70
80-90	40.00	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	4729.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.61
10-20	580.48
20-30	819.36
30-40	898.97
40-50	836.55
50-60	671.82
60-70	451.59
70-80	220.10
80-90	40.00
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-L12-827-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	99	107	104	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-L12-827-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	22.0	23.5	22.4	23.9	24.2	19.9	21.4	20.3	21.7	22.0
	3H	23.6	25.0	24.0	25.3	25.7	21.1	22.5	21.5	22.9	23.2
	4H	24.2	25.5	24.6	25.8	26.2	21.5	22.8	21.9	23.2	23.5
	6H	24.5	25.7	24.9	26.1	26.5	21.7	22.9	22.1	23.3	23.7
	8H	24.6	25.8	25.1	26.2	26.6	21.7	22.9	22.2	23.2	23.6
	12H	24.7	25.8	25.1	26.2	26.6	21.7	22.8	22.1	23.2	23.6

UGR Viewed Endwise

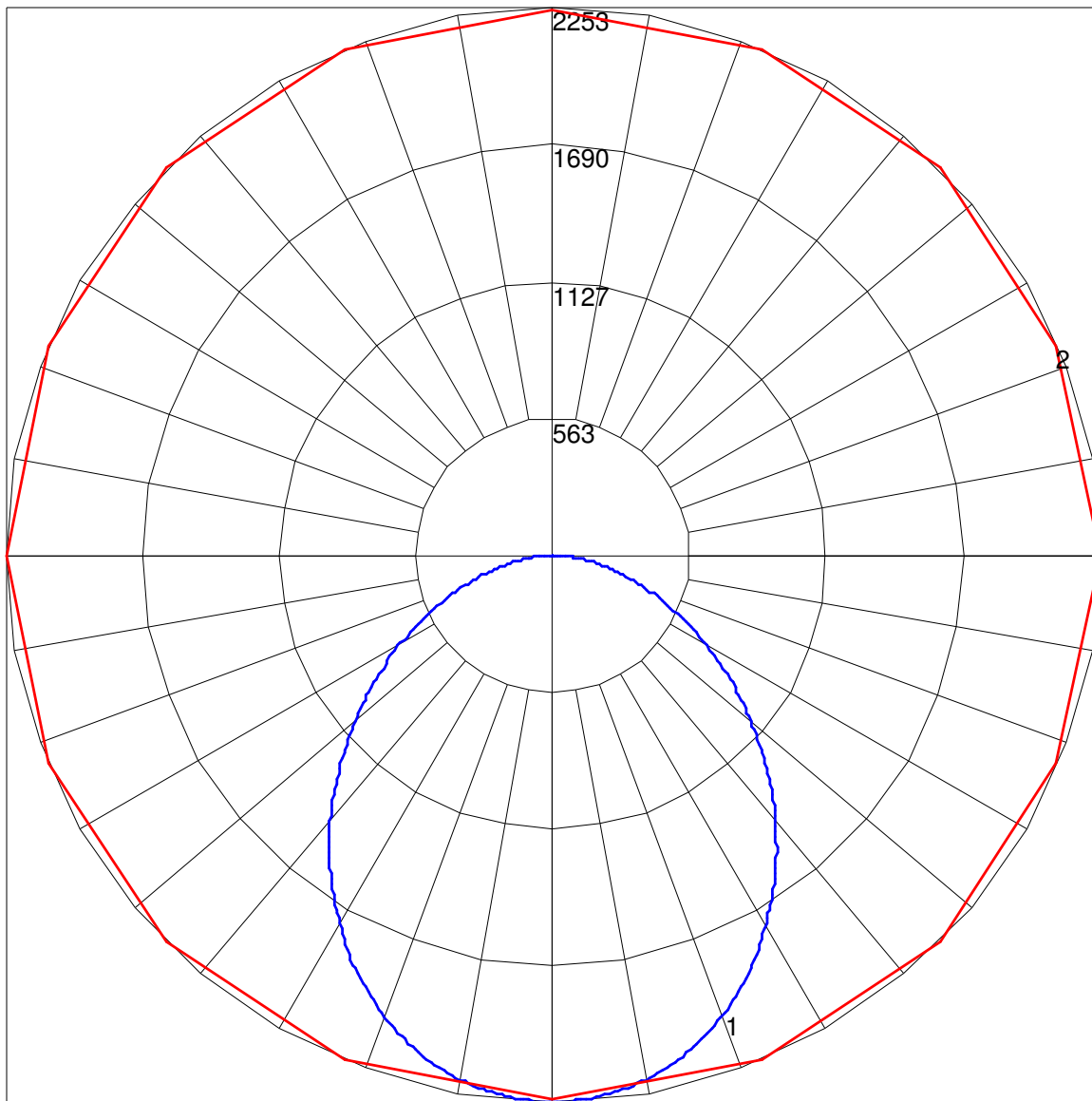
4H	2H	22.3	23.6	22.7	24.0	24.3	20.6	21.9	21.0	22.2	22.6
	3H	24.2	25.2	24.6	25.6	26.0	22.0	23.1	22.4	23.5	23.9
	4H	24.8	25.8	25.3	26.2	26.7	22.5	23.4	22.9	23.9	24.3
	6H	25.3	26.2	25.8	26.6	27.1	22.7	23.6	23.2	24.0	24.5
	8H	25.5	26.2	25.9	26.7	27.2	22.7	23.5	23.2	24.0	24.4
	12H	25.5	26.3	26.0	26.7	27.2	22.7	23.4	23.2	23.9	24.4

8H	4H	24.9	25.7	25.4	26.1	26.6	22.8	23.6	23.2	24.0	24.5
	6H	25.5	26.1	26.0	26.6	27.1	23.1	23.7	23.6	24.2	24.7
	8H	25.7	26.3	26.2	26.8	27.3	23.1	23.7	23.6	24.2	24.7
	12H	25.8	26.3	26.3	26.8	27.4	23.1	23.6	23.6	24.1	24.7

12H	4H	24.9	25.6	25.4	26.1	26.6	22.8	23.5	23.3	24.0	24.5
	6H	25.5	26.1	26.0	26.5	27.1	23.1	23.7	23.7	24.2	24.7
	8H	25.7	26.2	26.2	26.7	27.3	23.2	23.7	23.7	24.2	24.8

Maximum UGR = 27.4

POLAR GRAPH



Maximum Candela = 2253.016 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.)