

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-2-L19-830-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-2-L19-830-DMA-DIM-UNV_

[LUMINAIRE] Nominal 4" x 2' 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	3776
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	33.2
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)	2.00 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	18420	16331	14457
55	16124	13936	11837
65	13719	11463	9523
75	11015	8608	7011
85	7133	4421	3384

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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	1748.989	1748.989	1748.989	1748.989	1748.989
0.5	1757.540	1745.189	1749.464	1748.039	1747.089
1.0	1757.065	1744.714	1748.989	1747.564	1746.614
1.5	1756.590	1743.764	1748.514	1746.614	1745.664
2.0	1755.640	1743.289	1747.089	1744.714	1745.189
2.5	1755.165	1742.339	1746.139	1743.764	1743.289
3.0	1753.739	1740.914	1744.714	1741.389	1740.914
3.5	1752.789	1739.489	1742.814	1739.489	1738.539
4.0	1750.414	1737.589	1740.914	1737.114	1735.689
4.5	1749.464	1735.689	1738.539	1734.264	1732.364
5.0	1747.089	1733.789	1735.689	1731.414	1729.514
5.5	1746.139	1730.939	1732.839	1727.614	1725.239
6.0	1741.864	1728.564	1729.514	1723.814	1721.439
6.5	1739.489	1726.189	1725.714	1719.539	1716.689
7.0	1736.639	1722.864	1722.389	1715.264	1712.414
7.5	1733.789	1719.539	1718.114	1710.514	1707.188
8.0	1730.464	1715.739	1714.314	1705.288	1701.488
8.5	1727.139	1712.414	1710.038	1699.588	1695.788
9.0	1723.339	1708.613	1704.813	1693.888	1690.088
9.5	1719.064	1703.863	1700.063	1687.713	1683.438
10.0	1715.739	1699.588	1694.363	1682.013	1677.263
10.5	1710.514	1694.838	1689.138	1675.838	1670.613
11.0	1705.763	1690.088	1682.963	1668.713	1663.962
11.5	1701.013	1684.863	1676.788	1661.587	1655.887
12.0	1695.788	1679.638	1670.613	1653.987	1648.287
12.5	1689.613	1673.463	1663.962	1646.387	1639.737
13.0	1684.388	1667.763	1656.837	1638.312	1631.662
13.5	1679.163	1661.587	1649.712	1630.237	1623.587
14.0	1672.513	1655.412	1642.587	1621.211	1614.086
14.5	1666.813	1648.287	1634.512	1612.661	1605.061
15.0	1660.162	1641.637	1626.437	1603.636	1595.561
15.5	1653.512	1634.512	1618.361	1594.136	1586.061
16.0	1646.387	1627.387	1609.811	1584.636	1575.610
16.5	1639.737	1620.261	1601.261	1574.660	1565.635
17.0	1632.137	1612.186	1592.236	1564.685	1554.710
17.5	1625.012	1604.111	1583.686	1554.235	1543.785
18.0	1616.936	1596.511	1574.185	1543.785	1532.860
18.5	1609.811	1587.961	1564.685	1532.860	1520.984
19.0	1601.261	1579.411	1554.710	1521.459	1509.109
19.5	1593.186	1570.860	1544.735	1510.534	1497.234
20.0	1584.636	1561.835	1534.285	1499.134	1485.358
20.5	1576.085	1552.810	1523.834	1487.258	1473.008
21.0	1567.060	1543.785	1513.384	1475.383	1460.183
21.5	1558.510	1533.810	1502.459	1463.033	1447.833
22.0	1549.010	1524.309	1491.059	1450.683	1435.482
22.5	1539.510	1514.334	1479.658	1438.332	1422.182
23.0	1530.484	1504.834	1468.733	1425.032	1408.882
23.5	1520.984	1494.384	1456.858	1412.207	1395.581
24.0	1511.009	1483.933	1444.983	1399.382	1381.806
24.5	1501.034	1473.483	1432.632	1386.081	1368.506
25.0	1490.584	1463.033	1420.757	1372.781	1354.730
25.5	1479.658	1451.633	1408.407	1359.006	1340.005
26.0	1469.208	1440.707	1395.106	1345.230	1325.755
26.5	1458.758	1429.307	1382.756	1331.455	1311.030

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CANDELA TABULATION - (Cont.)

27.0	1447.358	1417.907	1369.456	1317.205	1296.779
27.5	1435.482	1406.032	1356.631	1302.954	1282.529
28.0	1424.557	1394.631	1343.330	1288.229	1267.329
28.5	1413.157	1382.756	1330.505	1273.979	1252.603
29.0	1401.757	1370.881	1317.205	1259.253	1238.353
29.5	1388.456	1358.531	1303.429	1244.528	1223.153
30.0	1375.631	1345.705	1289.654	1229.803	1208.427
30.5	1363.756	1333.355	1276.354	1215.552	1193.227
31.0	1351.405	1321.005	1262.578	1200.827	1178.027
31.5	1339.530	1308.179	1248.803	1185.627	1162.826
32.0	1326.230	1295.354	1234.553	1170.901	1148.101
32.5	1313.880	1282.054	1220.777	1155.701	1132.425
33.0	1301.054	1269.229	1206.052	1140.976	1117.700
33.5	1288.229	1255.928	1192.752	1125.775	1101.550
34.0	1275.879	1242.628	1178.027	1111.050	1086.824
34.5	1263.053	1229.803	1163.776	1096.325	1072.099
35.0	1250.228	1216.027	1149.051	1081.124	1056.899
35.5	1236.928	1202.252	1134.801	1066.874	1041.223
36.0	1224.578	1188.952	1120.550	1051.674	1026.973
36.5	1211.277	1175.176	1105.825	1036.948	1011.773
37.0	1197.502	1161.401	1092.050	1022.223	997.522
37.5	1184.202	1147.626	1077.799	1007.023	982.322
38.0	1170.901	1133.376	1063.074	992.297	967.122
38.5	1157.126	1120.075	1048.824	977.572	952.396
39.0	1142.876	1105.825	1034.573	962.847	937.671
39.5	1129.575	1092.050	1019.848	948.121	922.946
40.0	1115.800	1077.799	1005.598	934.346	908.695
40.5	1101.075	1064.024	990.872	919.621	893.495
41.0	1087.299	1049.774	976.622	904.895	877.820
41.5	1073.524	1035.998	962.372	890.170	863.094
42.0	1058.799	1021.748	948.121	874.970	847.894
42.5	1043.598	1007.023	933.871	860.719	833.169
43.0	1029.348	992.772	919.621	845.044	818.443
43.5	1015.573	978.997	905.370	830.319	804.668
44.0	1000.373	964.747	891.120	816.543	790.418
44.5	986.122	950.496	875.445	802.293	776.167
45.0	971.397	936.721	861.194	788.518	762.392
45.5	956.672	921.996	846.469	774.742	748.142
46.0	942.421	908.220	832.694	760.967	734.367
46.5	928.171	893.970	818.918	747.667	721.066
47.0	913.446	879.720	805.143	733.892	707.291
47.5	898.720	864.519	791.843	720.591	693.991
48.0	884.470	849.794	778.543	707.291	680.215
48.5	869.745	836.019	764.767	693.991	666.915
49.0	854.069	821.768	751.467	680.690	654.090
49.5	840.294	808.468	738.642	667.390	641.264
50.0	826.044	794.693	725.341	654.565	628.439
50.5	812.743	780.918	712.041	641.739	615.614
51.0	798.493	767.617	698.741	628.439	602.789
51.5	784.718	753.842	685.915	616.089	590.438
52.0	771.417	740.067	672.615	603.264	578.088
52.5	757.642	726.766	659.790	590.913	566.213
53.0	743.867	713.466	646.965	578.563	554.337
53.5	730.091	700.166	634.614	566.213	541.987
54.0	716.791	686.865	621.314	554.337	530.112
54.5	703.016	674.040	608.964	541.987	518.237

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55.0	689.716	660.740	596.138	530.587	506.361
55.5	675.940	647.915	583.788	518.237	494.961
56.0	662.165	634.614	571.438	506.836	483.561
56.5	648.865	621.789	559.088	495.436	472.873
57.0	635.089	608.964	546.262	484.036	461.615
57.5	621.789	596.613	534.387	472.636	450.643
58.0	608.489	583.788	522.037	461.425	439.860
58.5	595.188	570.963	509.686	450.358	429.077
59.0	581.888	558.613	497.811	439.480	418.389
59.5	568.588	546.262	485.936	428.602	407.987
60.0	555.763	533.912	473.966	417.677	397.631
60.5	542.937	521.562	462.375	407.037	387.276
61.0	530.112	509.686	450.548	396.491	377.111
61.5	517.762	497.336	439.052	385.851	367.088
62.0	504.936	484.986	427.462	375.686	357.398
62.5	492.586	473.253	416.252	365.473	347.518
63.0	480.236	461.520	405.089	355.308	337.828
63.5	468.123	449.788	393.926	345.048	328.042
64.0	456.343	438.150	383.049	335.168	318.637
64.5	444.182	426.512	372.076	325.335	309.279
65.0	432.402	415.112	361.293	315.502	300.159
65.5	420.717	403.569	350.415	305.859	290.849
66.0	409.079	392.121	339.918	296.454	281.729
66.5	397.536	380.816	329.372	286.906	272.514
67.0	385.851	369.606	318.970	277.454	263.678
67.5	374.166	358.396	308.709	268.334	254.843
68.0	362.956	347.375	298.354	259.166	245.913
68.5	351.508	336.450	288.236	250.141	237.315
69.0	340.155	325.525	278.214	241.163	228.765
69.5	329.135	314.647	268.429	232.280	220.452
70.0	317.972	303.817	258.453	223.588	212.045
70.5	306.952	293.177	248.668	214.942	203.922
71.0	295.932	282.631	239.168	206.535	195.704
71.5	285.149	271.991	229.668	198.174	187.772
72.0	274.414	261.636	220.262	189.862	179.839
72.5	263.726	251.376	210.905	181.739	172.144
73.0	253.323	241.258	201.737	173.569	164.591
73.5	242.920	230.998	192.712	165.779	157.039
74.0	232.708	220.927	183.782	157.941	149.533
74.5	222.590	211.047	174.946	150.341	142.408
75.0	212.615	201.310	166.159	142.693	135.331
75.5	202.830	191.762	157.656	135.426	128.300
76.0	193.282	182.309	149.343	128.158	121.508
76.5	183.687	172.856	141.031	121.175	114.858
77.0	174.614	163.641	133.050	114.193	108.255
77.5	165.399	154.568	125.118	107.447	101.795
78.0	156.231	145.638	117.280	100.845	95.667
78.5	147.158	136.803	109.775	94.432	89.445
79.0	138.513	128.300	102.412	88.114	83.459
79.5	130.010	119.655	95.240	81.797	77.617
80.0	121.555	111.390	88.114	75.859	71.964
80.5	113.148	103.172	81.179	69.969	66.359
81.0	105.025	95.192	74.529	64.364	61.039
81.5	96.997	87.449	68.022	58.806	55.766
82.0	89.255	79.612	61.846	53.391	50.541
82.5	81.702	72.202	55.766	48.119	45.554

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CANDELA TABULATION - (Cont.)

83.0	74.244	64.886	49.876	42.988	40.471
83.5	66.882	57.904	44.318	37.953	35.626
84.0	59.851	51.064	38.903	33.013	30.923
84.5	52.916	44.604	33.726	28.311	26.411
85.0	46.361	38.381	28.738	23.893	21.993
85.5	39.996	32.396	23.988	19.380	17.243
86.0	34.011	26.696	19.713	14.725	12.018
86.5	28.073	21.565	15.580	9.310	7.410
87.0	22.611	16.720	11.115	5.890	5.273
87.5	17.528	12.445	6.413	4.513	4.133
88.0	12.825	8.503	4.038	3.468	3.230
88.5	8.835	4.750	2.993	2.518	2.233
89.0	5.558	2.375	1.995	1.615	1.425
89.5	2.755	1.283	1.093	0.808	0.713
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-2-L19-830-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 : LRX4X-2-L19-830-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 : LRX4X-2-L19-830-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	621.26	N.A.	16.50
0-30	1273.46	N.A.	33.70
0-40	1991.91	N.A.	52.80
0-60	3192.13	N.A.	84.50
0-80	3736.76	N.A.	99.00
0-90	3775.86	N.A.	100.00
10-90	3611.61	N.A.	95.60
20-40	1370.66	N.A.	36.30
20-50	2036.9	N.A.	53.90
40-70	1562.12	N.A.	41.40
60-80	544.63	N.A.	14.40
70-80	182.73	N.A.	4.80
80-90	39.10	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	3775.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.26
10-20	457.00
20-30	652.21
30-40	718.45
40-50	666.24
50-60	533.97
60-70	361.90
70-80	182.73
80-90	39.10
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-2-L19-830-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	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	51	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-2-L19-830-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

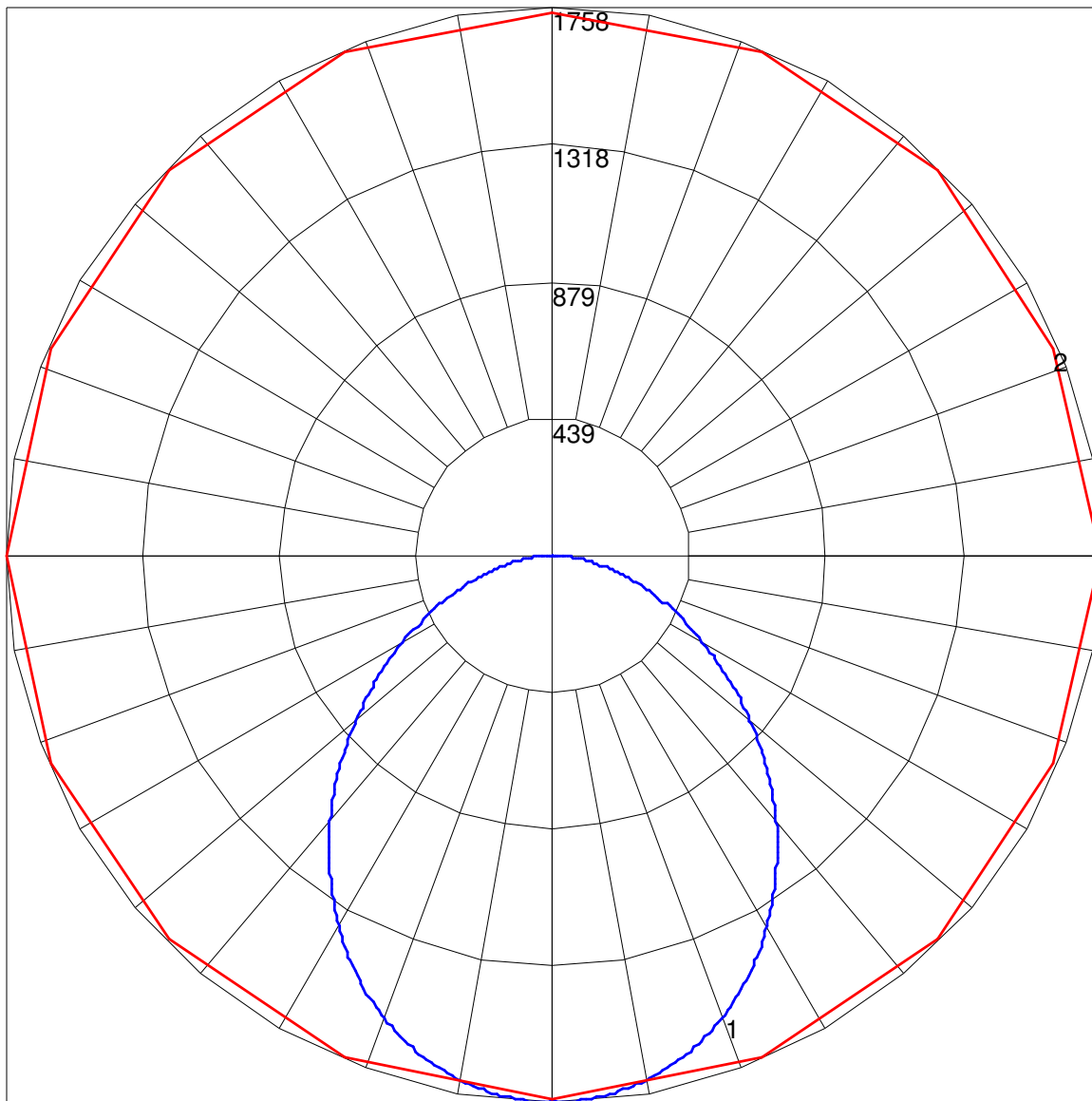
Reflectances

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	21.5	23.1	21.9	23.4	23.7	19.8	21.3	20.2	21.7	22.0
	3H	23.1	24.5	23.5	24.8	25.2	21.1	22.5	21.5	22.9	23.2
	4H	23.7	25.0	24.1	25.3	25.7	21.6	22.9	22.0	23.2	23.6
	6H	24.1	25.2	24.5	25.6	26.0	21.8	23.0	22.2	23.4	23.8
	8H	24.1	25.3	24.6	25.7	26.1	21.9	23.0	22.3	23.4	23.8
	12H	24.2	25.3	24.6	25.7	26.1	21.9	23.0	22.3	23.4	23.8
4H	2H	21.9	23.2	22.3	23.6	23.9	20.5	21.8	20.9	22.1	22.5
	3H	23.7	24.8	24.1	25.2	25.6	22.0	23.1	22.4	23.5	23.9
	4H	24.4	25.4	24.8	25.8	26.2	22.5	23.5	23.0	23.9	24.4
	6H	24.9	25.7	25.3	26.2	26.6	22.9	23.7	23.3	24.2	24.6
	8H	25.0	25.8	25.5	26.3	26.7	23.0	23.8	23.4	24.2	24.7
	12H	25.1	25.8	25.6	26.3	26.8	23.0	23.7	23.5	24.2	24.7
8H	4H	24.5	25.3	25.0	25.8	26.2	22.8	23.6	23.3	24.1	24.5
	6H	25.1	25.8	25.6	26.2	26.7	23.3	23.9	23.8	24.4	24.9
	8H	25.3	25.9	25.8	26.4	26.9	23.4	24.0	23.9	24.5	25.0
	12H	25.4	26.0	26.0	26.5	27.0	23.5	24.0	24.0	24.5	25.0
12H	4H	24.5	25.2	25.0	25.7	26.2	22.9	23.6	23.4	24.1	24.5
	6H	25.1	25.7	25.6	26.2	26.7	23.3	23.9	23.8	24.4	24.9
	8H	25.3	25.9	25.8	26.3	26.9	23.5	24.0	24.0	24.5	25.0

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 1757.54 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.)