



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-4-L12-835-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.02

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 1-SEP-2021

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] LRX4-4-L12-835-DMA-DIM-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] white LEDs

[BALLAST] (1) Everline Driver

[MORE] Hz

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

[MORE] of absolute photometry.

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Commercial, Office, Direct, Linear

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4884
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	41.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.94 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14122	11942	10312
55	12238	9879	8477
65	10306	8224	7254
75	8217	6808	6358
85	6078	5751	5781

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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	2184.285	2184.285	2184.285	2184.285	2184.285
0.5	2216.184	2185.124	2174.211	2181.766	2174.211
1.0	2216.184	2184.285	2174.211	2181.766	2174.211
1.5	2215.345	2184.285	2173.372	2181.766	2173.372
2.0	2215.345	2183.445	2172.532	2180.927	2172.532
2.5	2213.666	2181.766	2171.693	2180.087	2171.693
3.0	2212.826	2180.927	2170.853	2179.248	2170.014
3.5	2211.147	2179.248	2169.174	2177.569	2168.335
4.0	2210.308	2177.569	2167.495	2175.890	2166.656
4.5	2207.790	2175.050	2165.816	2174.211	2164.977
5.0	2205.271	2173.372	2163.298	2172.532	2161.619
5.5	2203.592	2170.853	2160.780	2169.174	2159.101
6.0	2201.913	2168.335	2158.261	2166.656	2156.582
6.5	2198.555	2165.816	2155.743	2163.298	2152.385
7.0	2196.037	2162.459	2152.385	2159.101	2149.027
7.5	2193.519	2159.101	2149.027	2155.743	2145.669
8.0	2190.161	2156.582	2144.830	2151.545	2142.311
8.5	2186.803	2152.385	2141.472	2146.509	2137.275
9.0	2182.606	2149.027	2136.435	2141.472	2132.238
9.5	2179.248	2144.830	2132.238	2136.435	2127.201
10.0	2175.050	2140.632	2127.201	2131.398	2121.325
10.5	2170.853	2135.596	2122.164	2124.683	2114.609
11.0	2166.656	2131.398	2116.288	2118.806	2107.893
11.5	2161.619	2126.362	2110.412	2112.091	2100.338
12.0	2156.582	2120.485	2104.536	2104.536	2093.622
12.5	2151.545	2115.449	2097.820	2097.820	2085.228
13.0	2145.669	2109.572	2091.944	2090.265	2077.673
13.5	2140.632	2103.696	2084.388	2081.870	2069.278
14.0	2133.917	2096.980	2077.673	2073.475	2060.883
14.5	2128.041	2090.265	2070.118	2064.241	2052.489
15.0	2121.325	2083.549	2061.723	2055.847	2042.415
15.5	2114.609	2076.833	2053.328	2046.613	2033.181
16.0	2107.054	2069.278	2044.934	2036.539	2023.108
16.5	2099.499	2061.723	2036.539	2026.465	2012.195
17.0	2092.783	2054.168	2027.305	2015.552	2001.281
17.5	2084.388	2045.773	2018.071	2004.639	1989.529
18.0	2076.833	2037.378	2007.997	1992.887	1976.937
18.5	2068.439	2028.984	1997.924	1981.134	1964.345
19.0	2060.044	2019.750	1987.850	1967.703	1950.914
19.5	2051.649	2010.516	1976.937	1954.272	1935.803
20.0	2043.255	2001.281	1965.185	1940.840	1921.532
20.5	2034.021	1991.208	1954.272	1926.569	1906.422
21.0	2024.786	1981.974	1941.680	1911.459	1890.472
21.5	2014.713	1971.900	1929.927	1896.349	1875.362
22.0	2004.639	1960.987	1917.335	1880.399	1857.733
22.5	1994.566	1950.074	1903.904	1864.449	1841.783
23.0	1984.492	1939.161	1891.312	1847.660	1824.155
23.5	1973.579	1927.409	1877.041	1831.710	1806.526
24.0	1962.666	1916.496	1863.609	1814.921	1788.897
24.5	1950.914	1903.904	1848.499	1798.131	1770.429
25.0	1939.161	1892.151	1834.228	1780.503	1751.961
25.5	1926.569	1879.559	1819.118	1762.874	1733.493
26.0	1914.817	1866.128	1804.008	1745.245	1715.024
26.5	1902.225	1853.536	1788.897	1728.456	1695.717

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CANDELA TABULATION - (Cont.)

27.0	1889.633	1840.104	1772.947	1709.988	1676.409
27.5	1877.041	1826.673	1756.998	1691.519	1656.262
28.0	1863.609	1812.402	1741.048	1673.051	1637.794
28.5	1850.178	1798.131	1725.098	1653.744	1617.647
29.0	1837.586	1783.860	1708.309	1634.436	1598.339
29.5	1823.315	1768.750	1691.519	1615.128	1578.192
30.0	1809.884	1754.479	1673.891	1594.981	1558.045
30.5	1794.773	1739.369	1656.262	1575.673	1537.058
31.0	1780.503	1723.419	1638.633	1554.687	1516.911
31.5	1766.232	1708.309	1621.004	1534.540	1495.924
32.0	1751.121	1692.359	1602.536	1513.553	1474.938
32.5	1736.011	1676.409	1584.068	1492.566	1453.951
33.0	1720.901	1660.459	1564.760	1472.419	1432.965
33.5	1704.951	1643.670	1546.292	1451.433	1411.138
34.0	1689.001	1627.720	1526.984	1429.607	1390.152
34.5	1673.051	1610.091	1506.837	1408.620	1368.326
35.0	1656.262	1593.302	1487.530	1387.634	1347.339
35.5	1639.473	1575.673	1468.222	1366.647	1326.353
36.0	1622.683	1558.884	1448.075	1345.660	1306.206
36.5	1605.055	1541.255	1428.767	1325.513	1285.219
37.0	1588.265	1522.787	1408.620	1304.527	1265.911
37.5	1570.637	1504.319	1388.473	1285.219	1244.925
38.0	1553.008	1486.690	1368.326	1265.072	1223.938
38.5	1535.379	1468.222	1349.018	1244.925	1202.951
39.0	1517.750	1449.754	1328.871	1224.778	1181.965
39.5	1499.282	1431.286	1308.724	1205.470	1160.978
40.0	1480.814	1411.978	1289.416	1185.323	1139.992
40.5	1463.185	1393.510	1269.269	1165.176	1119.005
41.0	1444.717	1374.202	1249.122	1144.189	1098.858
41.5	1426.249	1355.734	1229.814	1123.202	1078.711
42.0	1406.941	1337.266	1209.667	1103.055	1058.564
42.5	1389.312	1317.958	1190.360	1082.069	1039.256
43.0	1370.844	1298.650	1171.052	1061.922	1018.269
43.5	1351.537	1280.182	1150.905	1042.614	999.801
44.0	1333.068	1260.874	1131.597	1023.306	981.333
44.5	1313.761	1241.567	1112.289	1003.159	962.865
45.0	1294.453	1223.099	1094.661	983.851	945.236
45.5	1275.985	1203.791	1076.192	965.383	926.768
46.0	1255.838	1184.483	1057.724	946.915	909.979
46.5	1236.530	1165.176	1039.256	928.447	892.350
47.0	1217.222	1145.868	1020.788	910.818	875.561
47.5	1197.915	1126.560	1002.320	893.189	858.771
48.0	1178.607	1107.253	984.691	876.400	841.982
48.5	1158.460	1087.945	965.383	859.611	825.864
49.0	1139.152	1068.637	946.076	842.822	809.663
49.5	1119.005	1049.330	927.607	826.704	793.629
50.0	1099.697	1030.022	908.300	809.999	777.595
50.5	1080.390	1010.714	890.671	793.629	761.729
51.0	1061.082	992.246	872.203	777.847	746.703
51.5	1041.774	972.938	853.735	762.233	731.425
52.0	1022.467	953.631	836.022	746.451	716.314
52.5	1003.159	935.163	817.973	730.669	701.708
53.0	983.851	916.694	800.429	715.727	686.681
53.5	965.383	898.226	783.388	701.288	671.739
54.0	946.915	880.597	766.682	686.094	657.468
54.5	927.607	862.969	750.481	671.319	643.533

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CANDELA TABULATION - (Cont.)

55.0	909.979	844.500	734.531	656.712	630.269
55.5	891.510	827.291	718.833	642.106	616.754
56.0	873.042	809.915	703.135	627.919	603.490
56.5	854.574	792.790	687.773	614.068	590.647
57.0	836.777	775.581	672.410	600.636	577.887
57.5	818.981	758.623	657.300	587.457	565.463
58.0	801.016	742.002	642.861	574.529	553.207
58.5	783.639	725.548	628.339	561.601	541.118
59.0	765.927	708.843	613.396	548.841	529.114
59.5	748.634	692.642	598.706	536.417	517.445
60.0	731.089	676.860	584.435	524.077	505.693
60.5	713.964	661.497	570.332	511.905	494.192
61.0	696.503	646.471	556.229	499.985	482.776
61.5	679.462	631.948	542.545	488.148	471.359
62.0	662.757	617.426	528.610	476.480	460.194
62.5	646.303	603.071	514.843	464.895	449.113
63.0	629.598	588.884	501.412	453.478	438.284
63.5	613.228	574.529	488.316	442.313	427.875
64.0	597.027	559.419	475.472	431.400	417.465
64.5	580.657	543.637	462.964	420.655	407.392
65.0	564.623	528.023	450.540	410.078	397.402
65.5	548.673	512.493	438.116	399.585	387.496
66.0	532.808	497.550	425.860	389.091	377.759
66.5	517.361	482.440	413.772	378.766	368.189
67.0	501.999	467.329	401.851	368.441	358.535
67.5	486.805	452.387	390.183	358.283	349.049
68.0	471.695	437.780	378.514	348.042	339.143
68.5	456.584	423.342	366.846	337.800	329.490
69.0	441.558	409.574	355.177	327.559	319.920
69.5	426.532	396.395	343.760	317.401	310.266
70.0	411.673	383.299	332.428	307.496	300.780
70.5	397.066	370.287	321.263	297.758	291.546
71.0	382.712	357.612	310.266	288.188	282.480
71.5	368.609	344.684	299.437	278.702	273.413
72.0	354.673	331.672	288.692	269.300	264.599
72.5	340.906	318.576	278.198	260.150	255.701
73.0	327.391	305.985	267.789	251.084	246.970
73.5	314.127	293.644	257.631	242.185	238.408
74.0	300.948	281.304	247.810	233.455	229.929
74.5	288.188	269.132	238.072	224.808	221.702
75.0	275.680	257.212	228.418	216.246	213.308
75.5	263.088	245.711	218.764	207.767	204.997
76.0	251.000	234.546	209.278	199.373	196.854
76.5	239.079	223.549	199.960	191.146	188.879
77.0	227.411	212.804	190.978	183.003	180.904
77.5	216.078	202.143	182.080	174.944	173.013
78.0	204.745	191.817	173.265	166.969	165.206
78.5	193.664	181.660	164.619	158.994	157.483
79.0	182.835	171.586	156.140	151.187	149.844
79.5	172.006	161.765	147.914	143.380	142.289
80.0	161.513	152.195	139.855	135.741	134.818
80.5	151.271	142.877	131.880	128.186	127.431
81.0	141.282	133.643	124.073	120.799	120.211
81.5	131.460	124.660	116.266	113.412	112.908
82.0	121.722	115.846	108.627	106.024	105.688
82.5	112.152	107.116	101.071	98.805	98.637

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CANDELA TABULATION - (Cont.)

83.0	103.002	98.721	93.684	91.669	91.669
83.5	94.188	90.494	86.381	84.786	84.954
84.0	85.457	82.519	79.161	78.070	78.322
84.5	77.063	74.712	71.942	71.354	71.858
85.0	68.668	66.989	64.974	64.807	65.310
85.5	60.441	59.518	58.007	58.343	59.014
86.0	52.466	52.215	51.291	52.047	52.718
86.5	44.743	45.079	44.659	45.835	46.506
87.0	37.272	38.028	38.196	39.623	40.378
87.5	30.053	31.312	31.900	33.495	34.250
88.0	23.085	24.596	25.604	27.367	27.954
88.5	16.537	18.132	19.308	20.903	20.903
89.0	10.577	12.004	12.592	13.264	13.347
89.5	5.457	6.632	7.639	8.311	8.563
90.0	2.518	3.442	3.442	3.274	3.526
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 : LRX4-4-L12-835-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 : LRX4-4-L12-835-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 : LRX4-4-L12-835-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	789.27	N.A.	16.20
0-30	1633.75	N.A.	33.50
0-40	2565.63	N.A.	52.50
0-60	4093.22	N.A.	83.80
0-80	4809.48	N.A.	98.50
0-90	4883.72	N.A.	100.00
10-90	4677.43	N.A.	95.80
20-40	1776.36	N.A.	36.40
20-50	2629.63	N.A.	53.80
40-70	1991.56	N.A.	40.80
60-80	716.27	N.A.	14.70
70-80	252.30	N.A.	5.20
80-90	74.24	N.A.	1.50
90-110	0.09	N.A.	0.00
90-120	0.09	N.A.	0.00
90-130	0.09	N.A.	0.00
90-150	0.09	N.A.	0.00
90-180	0.09	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4883.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.29
10-20	582.98
20-30	844.48
30-40	931.88
40-50	853.27
50-60	674.32
60-70	463.97
70-80	252.30
80-90	74.24
90-100	0.09
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 : LRX4-4-L12-835-DMA-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	97	97	97	97	94	94	94	94	90	90	90	86	86	86	83	83	83	81
1	89	85	82	79	87	84	81	78	80	78	76	77	75	73	74	73	71	69
2	82	75	70	66	79	74	69	65	71	67	64	68	65	62	66	63	61	59
3	75	67	61	56	73	66	60	55	63	58	54	61	57	53	59	56	52	51
4	69	60	53	48	67	59	53	48	57	51	47	55	50	46	53	49	46	44
5	64	54	47	42	62	53	47	42	51	46	41	50	45	41	48	44	40	39
6	59	49	42	37	58	48	42	37	47	41	37	45	40	36	44	40	36	34
7	55	45	38	33	54	44	37	33	43	37	33	42	36	32	40	36	32	31
8	51	41	34	30	50	40	34	30	39	34	29	38	33	29	37	33	29	28
9	48	38	31	27	47	37	31	27	36	31	27	35	30	27	35	30	27	25
10	45	35	29	25	44	34	29	25	34	28	24	33	28	24	32	28	24	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX4-4-L12-835-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	21.1	22.7	21.5	23.0	23.3	19.2	20.8	19.6	21.1	21.4
	3H	22.7	24.1	23.1	24.4	24.8	20.8	22.2	21.2	22.5	22.9
	4H	23.3	24.6	23.7	24.9	25.3	21.4	22.7	21.8	23.1	23.4
	6H	23.7	24.9	24.1	25.3	25.6	21.9	23.1	22.3	23.5	23.8
	8H	23.8	25.0	24.2	25.3	25.7	22.0	23.2	22.5	23.6	24.0
	12H	23.9	25.0	24.3	25.4	25.8	22.2	23.3	22.6	23.7	24.1

UGR Viewed Endwise

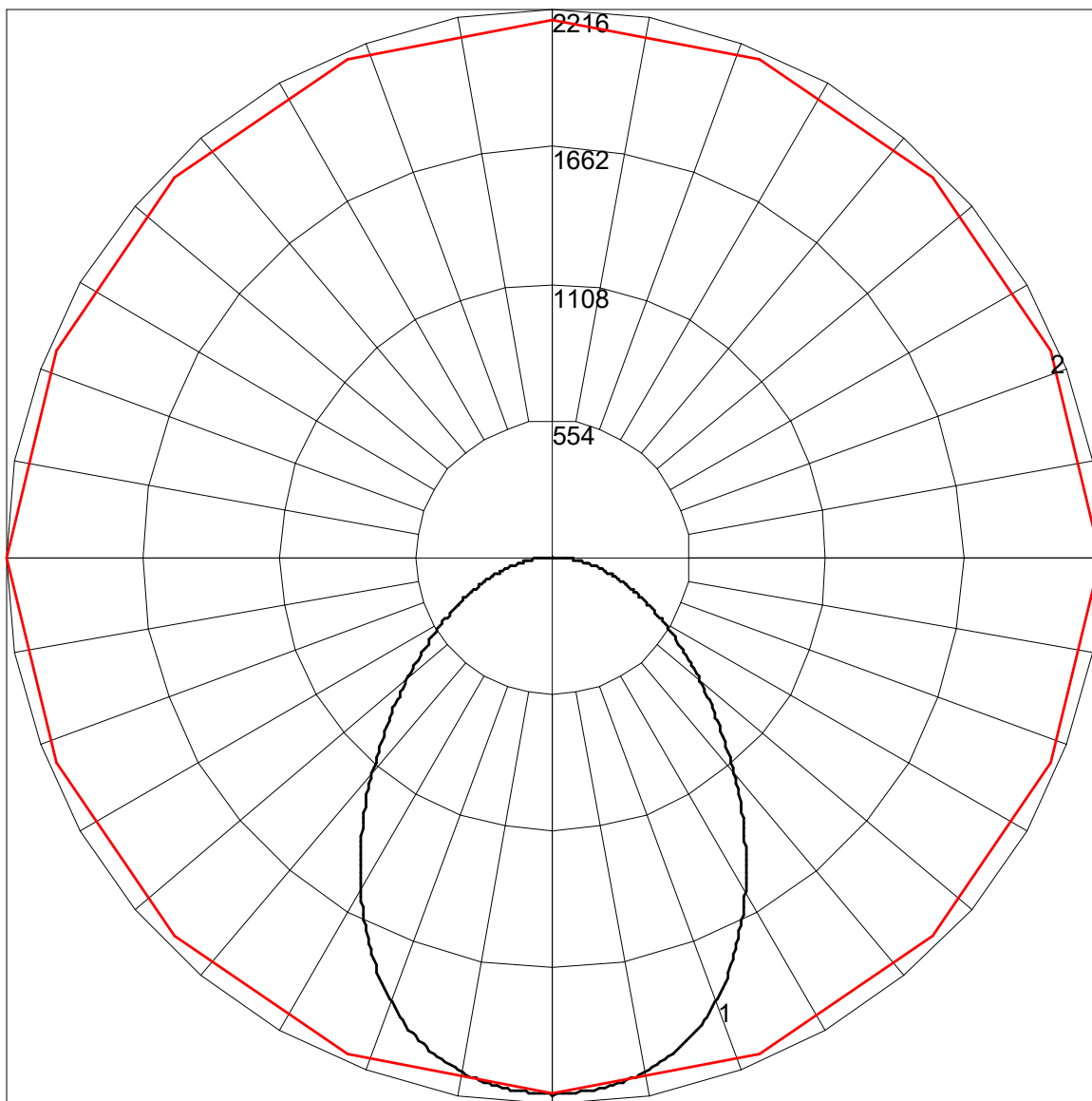
4H	2H	21.5	22.8	21.9	23.1	23.5	19.9	21.2	20.3	21.6	21.9
	3H	23.3	24.4	23.7	24.8	25.2	21.7	22.8	22.1	23.2	23.6
	4H	24.0	25.0	24.4	25.4	25.8	22.4	23.4	22.8	23.8	24.2
	6H	24.5	25.4	25.0	25.8	26.3	23.0	23.9	23.5	24.3	24.8
	8H	24.7	25.5	25.2	25.9	26.4	23.2	24.0	23.7	24.5	24.9
	12H	24.8	25.5	25.3	26.0	26.5	23.4	24.1	23.9	24.6	25.1

8H	4H	24.2	24.9	24.6	25.4	25.9	22.8	23.5	23.2	24.0	24.5
	6H	24.8	25.5	25.3	25.9	26.4	23.5	24.1	24.0	24.6	25.1
	8H	25.0	25.6	25.5	26.1	26.6	23.8	24.4	24.3	24.9	25.3
	12H	25.2	25.8	25.7	26.3	26.8	24.0	24.5	24.5	25.0	25.6

12H	4H	24.1	24.9	24.6	25.3	25.8	22.8	23.5	23.2	24.0	24.4
	6H	24.8	25.4	25.4	25.9	26.4	23.5	24.1	24.1	24.6	25.1
	8H	25.1	25.6	25.6	26.1	26.7	23.9	24.4	24.4	24.9	25.5

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 2216.184 Located At Horizontal Angle = 0, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)