

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON _IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #14716274.02 & #13638856.02

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 20 Apr, 2023

[TEST DATE] 3/13/2023

[MANUFAC] H E Williams Inc

[LUMCAT] LRX4-5-L8/935L-L10/935P-(2)-DMA-BSBL-DA-UNV all sections on

[LUMINAIRE] RECESSED 5' FIXTURE WITH (2) 6" LOUVERS AT ENDS

[LAMP] 96 LEDS (4 modules of 24) & (2) modules of 72 in center section

[BALLAST] ULT D10CC30UNVPW-C

[OTHER] 24.8 C, 120.032 V, 0.200549 A, 23.9706 W, 0.995776 PF, 60.0073

[MORE] Hz

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

[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3374
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	51.4106
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	1.04
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.92 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7028	6285	5636
55	5957	4809	4127
65	4980	3954	3502
75	3954	3268	3057
85	2927	2763	2781

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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	2072.022	2072.022	2072.022	2072.022	2072.022
0.5	2101.412	2070.092	2058.472	2074.309	2065.472
1.0	2100.812	2068.922	2057.372	2073.009	2063.772
1.5	2099.741	2067.722	2055.601	2071.109	2060.801
2.0	2099.041	2065.251	2053.230	2068.138	2057.430
2.5	2097.100	2062.409	2050.360	2064.568	2052.860
3.0	2094.729	2059.438	2046.589	2060.697	2047.918
3.5	2091.187	2054.797	2042.347	2055.955	2042.476
4.0	2087.516	2049.855	2037.206	2050.814	2036.935
4.5	2082.204	2043.843	2032.064	2045.372	2030.993
5.0	2075.192	2037.401	2025.652	2040.030	2023.510
5.5	2066.450	2029.489	2018.939	2032.447	2017.098
6.0	2057.308	2020.676	2011.727	2025.835	2010.185
6.5	2046.925	2011.364	2003.714	2018.252	2002.031
7.0	2036.413	2000.881	1994.931	2009.798	1994.648
7.5	2026.200	1989.798	1985.448	2001.414	1986.365
8.0	2015.317	1978.885	1974.894	1992.560	1978.582
8.5	2004.134	1966.831	1964.511	1983.036	1969.357
9.0	1992.380	1955.148	1952.386	1973.111	1960.232
9.5	1980.897	1942.994	1940.732	1963.286	1950.607
10.0	1968.843	1930.740	1928.107	1952.961	1940.312
10.5	1956.389	1917.715	1915.182	1941.395	1929.845
11.0	1943.935	1905.061	1902.087	1930.099	1918.879
11.5	1931.010	1891.936	1888.591	1918.133	1907.442
12.0	1917.785	1878.041	1874.896	1905.696	1896.375
12.5	1904.660	1864.516	1860.829	1893.329	1883.967
13.0	1890.565	1850.320	1847.134	1880.592	1872.030
13.5	1876.840	1836.425	1832.496	1867.284	1859.522
14.0	1861.874	1821.858	1818.230	1853.876	1847.014
14.5	1847.678	1807.492	1803.493	1839.597	1833.506
15.0	1832.612	1793.026	1788.285	1825.589	1818.856
15.5	1817.445	1778.359	1772.977	1810.410	1804.578
16.0	1802.008	1763.322	1757.569	1794.161	1789.528
16.5	1786.071	1747.885	1742.161	1777.611	1773.208
17.0	1770.904	1732.548	1726.382	1760.291	1756.587
17.5	1754.696	1716.740	1710.603	1742.770	1739.096
18.0	1739.359	1700.832	1694.154	1724.379	1721.434
18.5	1723.251	1684.924	1677.804	1705.588	1703.572
19.0	1707.143	1668.445	1661.254	1685.955	1685.139
19.5	1690.935	1651.966	1644.334	1666.322	1665.765
20.0	1674.627	1635.487	1626.743	1646.790	1647.061
20.5	1657.748	1618.338	1609.222	1626.686	1627.687
21.0	1641.070	1601.459	1590.760	1606.112	1608.042
21.5	1623.720	1584.409	1572.969	1585.537	1588.767
22.0	1606.270	1566.489	1554.607	1564.592	1568.180
22.5	1589.021	1548.768	1535.474	1543.447	1548.635
23.0	1571.571	1531.048	1516.812	1522.331	1527.848
23.5	1553.651	1513.157	1497.009	1501.586	1506.962
24.0	1535.730	1495.736	1477.876	1480.570	1485.775
24.5	1517.339	1477.374	1457.602	1459.654	1464.217
25.0	1498.648	1459.683	1438.098	1438.367	1442.360
25.5	1479.586	1441.421	1418.124	1417.180	1420.602
26.0	1461.195	1422.788	1398.149	1396.193	1398.744
26.5	1442.133	1404.526	1378.475	1375.477	1376.516

IES INDOOR REPORT**PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON_.IES****CANDELA TABULATION - (Cont.)**

27.0	1423.271	1385.794	1358.530	1354.020	1354.388
27.5	1404.409	1367.361	1338.584	1332.462	1331.788
28.0	1385.376	1348.457	1318.739	1310.804	1310.231
28.5	1366.243	1329.754	1299.194	1288.776	1287.732
29.0	1347.581	1310.950	1279.278	1266.748	1265.903
29.5	1328.178	1291.776	1259.462	1244.719	1243.604
30.0	1309.245	1273.272	1239.175	1222.220	1221.405
30.5	1289.570	1254.298	1219.088	1200.392	1198.535
31.0	1270.267	1234.852	1199.002	1177.722	1176.136
31.5	1251.363	1215.978	1179.215	1155.622	1153.466
32.0	1231.989	1196.833	1158.957	1133.252	1130.596
32.5	1212.714	1177.688	1138.900	1110.882	1107.926
33.0	1193.340	1158.642	1118.571	1089.083	1085.456
33.5	1173.595	1139.226	1098.714	1067.013	1062.315
34.0	1153.750	1120.381	1078.585	1044.672	1040.045
34.5	1134.104	1100.794	1058.086	1022.902	1017.104
35.0	1114.088	1081.778	1038.258	1001.432	995.134
35.5	1093.972	1062.492	1018.729	980.062	973.164
36.0	1074.256	1043.776	998.830	958.892	951.965
36.5	1054.170	1024.689	979.502	938.293	930.595
37.0	1034.654	1005.231	959.802	917.523	910.366
37.5	1014.767	985.974	940.403	897.895	889.296
38.0	995.080	967.287	921.104	878.096	868.526
38.5	975.793	948.229	902.576	858.296	848.056
39.0	956.606	929.472	883.676	838.897	827.686
39.5	936.949	910.914	865.077	820.069	807.616
40.0	918.001	892.086	846.949	801.170	787.546
40.5	900.554	874.088	828.650	782.370	767.776
41.0	883.997	855.780	810.450	763.400	748.577
41.5	867.889	838.402	793.022	744.630	729.578
42.0	851.411	821.554	775.293	726.531	710.679
42.5	835.954	804.776	758.224	708.161	692.550
43.0	820.046	788.528	741.346	690.412	673.580
43.5	803.828	773.000	724.237	673.464	656.393
44.0	788.090	757.252	707.868	656.625	639.485
44.5	772.222	741.763	691.680	639.556	622.788
45.0	756.644	727.116	676.643	623.198	606.801
45.5	741.696	712.197	661.376	607.570	590.483
46.0	726.477	697.409	646.288	592.242	575.457
46.5	713.258	682.750	631.470	577.135	560.130
47.0	701.580	668.422	616.903	562.808	545.294
47.5	690.032	654.674	602.585	548.641	530.518
48.0	678.493	641.185	588.978	535.165	515.812
48.5	666.534	627.927	574.640	521.879	501.573
49.0	655.006	615.278	560.672	508.683	487.357
49.5	643.096	603.130	547.394	496.054	473.374
50.0	631.668	591.402	533.986	483.145	459.522
50.5	620.250	579.913	521.729	470.594	446.454
51.0	608.841	569.016	509.141	458.553	434.247
51.5	597.503	557.597	496.704	446.656	422.618
52.0	586.114	546.249	484.910	434.855	412.384
52.5	574.786	535.351	473.067	423.384	402.732
53.0	563.498	524.524	461.688	412.714	393.684
53.5	552.670	513.676	450.771	402.546	384.854
54.0	541.812	503.329	440.152	392.685	376.501
54.5	530.554	492.992	429.905	383.449	368.305

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55.0	520.237	482.225	419.960	374.657	360.457
55.5	509.470	472.163	410.276	366.075	352.567
56.0	498.682	462.038	400.712	357.828	344.788
56.5	487.954	452.043	391.456	349.760	337.265
57.0	477.583	442.062	382.291	341.957	329.839
57.5	467.252	432.202	373.376	334.276	322.581
58.0	456.817	422.540	364.959	326.765	315.407
58.5	446.742	412.982	356.514	319.265	308.388
59.0	436.468	403.324	347.844	311.859	301.365
59.5	426.489	393.977	339.375	304.711	294.591
60.0	416.330	384.856	331.151	297.570	287.790
60.5	406.475	375.950	322.981	290.564	281.130
61.0	396.373	367.273	314.852	283.688	274.517
61.5	386.546	358.908	307.008	276.910	267.934
62.0	376.897	350.523	299.063	270.166	261.443
62.5	367.429	342.233	291.212	263.519	255.098
63.0	357.830	334.066	283.499	256.986	248.825
63.5	348.379	325.825	275.994	250.575	242.867
64.0	339.063	317.171	268.641	244.334	236.899
64.5	329.682	308.120	261.536	238.168	231.039
65.0	320.460	299.183	254.448	232.136	225.327
65.5	311.335	290.293	247.370	226.131	219.671
66.0	302.247	281.763	240.397	220.146	214.070
66.5	293.354	273.119	233.517	214.255	208.623
67.0	284.588	264.484	226.782	208.374	203.079
67.5	275.897	255.984	220.148	202.617	197.649
68.0	267.313	247.662	213.524	196.864	191.963
68.5	258.658	239.454	206.920	191.020	186.449
69.0	250.101	231.583	200.296	185.176	180.982
69.5	241.543	224.122	193.853	179.339	175.498
70.0	233.070	216.667	187.447	173.744	170.058
70.5	224.738	209.270	181.115	168.223	164.829
71.0	216.558	202.061	174.908	162.836	159.694
71.5	208.568	194.731	168.794	157.456	154.540
72.0	200.653	187.383	162.718	152.133	149.506
72.5	192.812	179.939	156.783	146.921	144.476
73.0	185.142	172.797	150.915	141.776	139.529
73.5	177.633	165.786	145.279	136.716	134.687
74.0	170.122	158.815	139.680	131.799	129.882
74.5	162.886	151.909	134.139	126.890	125.228
75.0	155.811	145.163	128.765	122.028	120.470
75.5	148.669	138.643	123.320	117.243	115.729
76.0	141.829	132.321	117.910	112.485	111.143
76.5	135.094	126.134	112.655	107.841	106.630
77.0	128.490	120.038	107.597	103.224	102.117
77.5	122.044	114.029	102.587	98.685	97.662
78.0	115.638	108.208	97.613	94.172	93.243
78.5	109.394	102.441	92.774	89.659	88.882
79.0	103.250	96.751	88.029	85.221	84.508
79.5	97.127	91.263	83.355	80.823	80.241
80.0	91.202	85.816	78.985	76.498	76.050
80.5	85.418	80.570	74.523	72.271	71.847
81.0	79.796	75.371	70.114	68.078	67.779
81.5	74.247	70.324	65.696	63.925	63.683
82.0	68.756	65.330	61.242	59.772	59.594
82.5	63.379	60.414	56.964	55.713	55.619

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83.0	58.197	55.686	52.791	51.911	51.701
83.5	53.234	51.052	48.695	48.101	47.945
84.0	48.287	46.550	44.626	44.294	44.206
84.5	43.569	42.171	40.578	40.428	40.590
85.0	38.841	37.820	36.660	36.616	36.908
85.5	34.198	33.620	32.752	32.971	33.387
86.0	29.735	29.494	28.976	29.410	29.836
86.5	25.384	25.462	25.277	25.926	26.372
87.0	21.143	21.487	21.611	22.412	22.875
87.5	17.105	17.721	18.080	19.015	19.489
88.0	13.207	13.954	14.529	15.568	15.918
88.5	9.495	10.299	11.008	11.933	11.973
89.0	6.172	6.842	7.242	7.639	7.756
89.5	3.290	3.819	4.454	4.871	5.032
90.0	1.412	1.930	1.930	1.836	1.977
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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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 : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON_.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 : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON_.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 : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON _IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	697.76	N.A.	20.70
0-30	1363.21	N.A.	40.40
0-40	2014.97	N.A.	59.70
0-60	2926.81	N.A.	86.70
0-80	3332.05	N.A.	98.80
0-90	3374.00	N.A.	100.00
10-90	3182.6	N.A.	94.30
20-40	1317.21	N.A.	39.00
20-50	1842.45	N.A.	54.60
40-70	1174.67	N.A.	34.80
60-80	405.24	N.A.	12.00
70-80	142.41	N.A.	4.20
80-90	41.95	N.A.	1.20
90-110	0.05	N.A.	0.00
90-120	0.05	N.A.	0.00
90-130	0.05	N.A.	0.00
90-150	0.05	N.A.	0.00
90-180	0.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3374.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.39
10-20	506.37
20-30	665.44
30-40	651.76
40-50	525.24
50-60	386.60
60-70	262.83
70-80	142.41
80-90	41.95
90-100	0.05
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 : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON_.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	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72	68	66
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60	58
5	81	70	62	56	79	69	61	56	67	60	55	65	59	54	63	58	54	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39
9	62	50	43	38	61	50	42	38	49	42	37	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34	33

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON_.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	17.3	18.8	17.7	19.1	19.4	15.4	16.9	15.8	17.2	17.5
	3H	18.9	20.2	19.3	20.5	20.9	17.0	18.3	17.3	18.6	19.0
	4H	19.4	20.7	19.8	21.0	21.4	17.6	18.8	18.0	19.1	19.5
	6H	19.8	21.0	20.3	21.3	21.7	18.0	19.2	18.5	19.5	19.9
	8H	20.0	21.0	20.4	21.4	21.8	18.2	19.3	18.6	19.7	20.1
	12H	20.0	21.1	20.5	21.4	21.9	18.3	19.3	18.7	19.7	20.2

UGR Viewed Endwise

4H	2H	17.7	18.9	18.1	19.2	19.6	16.1	17.3	16.5	17.7	18.0
	3H	19.4	20.5	19.9	20.9	21.3	17.8	18.9	18.2	19.3	19.7
	4H	20.1	21.0	20.5	21.4	21.9	18.5	19.4	19.0	19.9	20.3
	6H	20.6	21.4	21.1	21.9	22.3	19.1	19.9	19.6	20.4	20.8
	8H	20.8	21.5	21.3	22.0	22.5	19.3	20.1	19.8	20.5	21.0
	12H	20.9	21.6	21.4	22.1	22.5	19.5	20.2	20.0	20.6	21.1

8H	4H	20.3	21.0	20.7	21.5	21.9	18.8	19.6	19.3	20.0	20.5
	6H	20.9	21.5	21.4	22.0	22.5	19.6	20.2	20.1	20.7	21.1
	8H	21.1	21.7	21.7	22.2	22.7	19.8	20.4	20.4	20.9	21.4
	12H	21.3	21.8	21.8	22.3	22.9	20.1	20.6	20.6	21.1	21.7

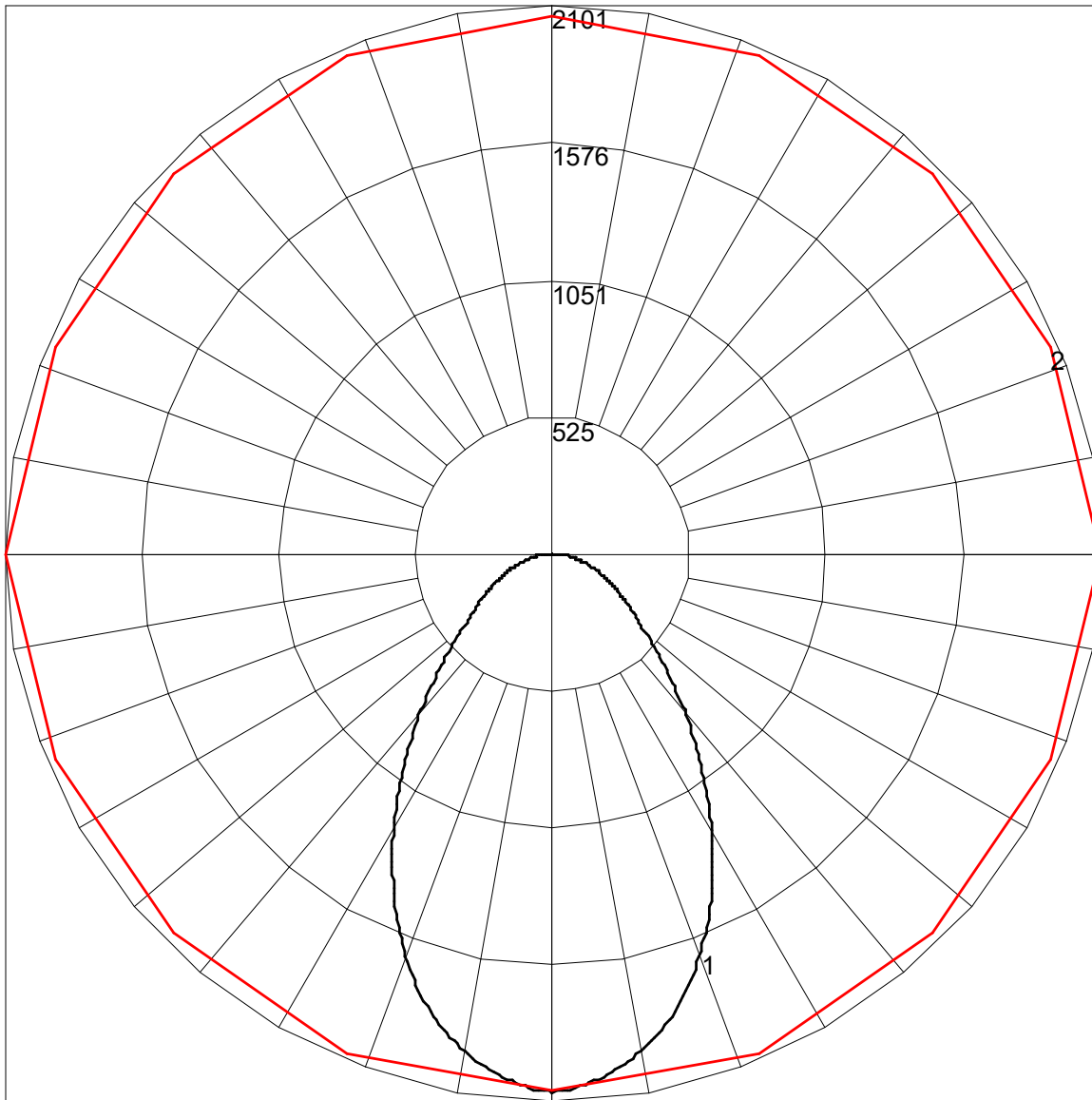
12H	4H	20.3	20.9	20.8	21.4	21.9	18.9	19.5	19.4	20.0	20.5
	6H	20.9	21.5	21.5	21.9	22.5	19.6	20.2	20.2	20.7	21.2
	8H	21.2	21.7	21.7	22.2	22.8	20.0	20.5	20.5	21.0	21.5

Maximum UGR = 22.9

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-BSBL-DA-UNV ALL SECTIONS ON_.IES

POLAR GRAPH



Maximum Candela = 2101.412 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.)