

## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN from UL #14716274.01 & #13638856.02  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 18 JUL, 2023  
[TEST DATE] 3/13/2023  
[MANUFAC] H E Williams Inc  
[LUMCAT] LRX4-8-L8/935L/L10/935P-2-DMA-WSBL-DA-UNV (all sections on)  
[LUMINAIRE] RECESSED 8' FIXTURE w/ (2) 6" LOUVERS AT ENDS  
[LAMP] 96 LEDS (4 modules of 24)  
[BALLAST] ULT D10CC30UNVPW-C  
[OTHER] 24.7 C, 120.033 V, 0.200595 A, 23.9765 W, 0.995784 PF, 60.0072  
[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	6080
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	70.8765
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.02
Spacing Criterion (Diagonal)	1.12
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.92 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	8462	7485	6744
55	7259	6011	5284
65	6120	4986	4464
75	4897	4120	3852
85	3559	3340	3350

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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	3221.508	3221.508	3221.508	3221.508	3221.508
0.5	3265.432	3218.321	3201.742	3225.066	3210.742
1.0	3264.432	3216.508	3200.742	3223.066	3208.742
1.5	3262.618	3214.508	3197.928	3220.066	3204.928
2.0	3261.618	3212.694	3195.114	3216.252	3200.114
2.5	3257.991	3208.066	3191.301	3212.439	3195.301
3.0	3255.177	3204.252	3187.487	3208.625	3188.673
3.5	3249.549	3198.625	3182.859	3202.997	3183.045
4.0	3241.735	3190.997	3177.232	3197.370	3176.418
4.5	3232.294	3181.556	3170.604	3191.742	3169.790
5.0	3222.853	3172.928	3162.163	3185.114	3161.535
5.5	3213.225	3161.487	3152.721	3176.859	3154.094
6.0	3203.597	3151.045	3143.280	3169.418	3145.652
6.5	3191.342	3139.604	3131.838	3160.163	3136.583
7.0	3179.901	3126.349	3119.583	3150.094	3127.328
7.5	3168.459	3114.094	3108.328	3139.838	3118.073
8.0	3155.204	3101.652	3094.259	3128.769	3107.818
8.5	3142.949	3088.583	3082.004	3116.887	3096.935
9.0	3129.880	3075.128	3067.521	3104.004	3086.052
9.5	3116.625	3060.759	3053.552	3091.121	3074.169
10.0	3102.856	3046.590	3039.069	3077.238	3061.473
10.5	3088.687	3031.607	3023.786	3062.728	3047.262
11.0	3074.318	3017.038	3008.090	3047.931	3033.052
11.5	3058.835	3001.655	2991.893	3032.221	3018.328
12.0	3043.252	2985.459	2975.597	3015.597	3004.417
12.5	3027.469	2969.776	2958.486	2999.486	2988.279
13.0	3010.873	2953.579	2942.090	2982.562	2973.455
13.5	2994.790	2936.883	2924.265	2964.924	2957.117
14.0	2977.180	2919.472	2907.255	2947.086	2941.079
14.5	2959.683	2901.462	2888.931	2928.434	2924.741
15.0	2941.673	2884.452	2869.993	2910.196	2905.175
15.5	2923.762	2866.441	2850.655	2890.844	2886.424
16.0	2905.238	2848.217	2831.617	2869.879	2865.758
16.5	2886.314	2829.693	2812.279	2848.713	2844.079
17.0	2868.003	2810.869	2792.227	2825.734	2822.399
17.5	2848.365	2791.531	2772.275	2802.654	2800.006
18.0	2829.341	2771.893	2751.410	2778.461	2776.699
18.5	2809.703	2752.255	2730.444	2754.468	2753.192
19.0	2790.065	2731.503	2709.578	2728.747	2728.771
19.5	2770.027	2710.951	2687.699	2703.326	2702.423
20.0	2750.789	2690.299	2664.906	2677.606	2677.388
20.5	2730.137	2668.534	2642.926	2651.271	2651.140
21.0	2708.986	2647.682	2618.819	2623.823	2624.178
21.5	2687.220	2626.016	2595.426	2596.474	2598.329
22.0	2665.254	2603.437	2571.019	2568.512	2570.139
22.5	2643.489	2580.957	2545.598	2540.450	2543.077
23.0	2621.223	2558.278	2520.991	2511.674	2514.487
23.5	2598.444	2534.985	2494.757	2484.012	2485.798
24.0	2575.464	2512.305	2469.236	2455.636	2456.908
24.5	2551.471	2488.298	2442.388	2427.460	2426.804
25.0	2527.578	2465.205	2416.153	2398.570	2396.701
25.5	2502.671	2440.998	2389.205	2369.580	2366.597
26.0	2478.678	2416.277	2362.256	2340.590	2336.493
26.5	2453.871	2392.170	2335.608	2312.314	2305.276

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27.0	2429.164	2367.450	2308.046	2282.411	2274.459
27.5	2404.757	2342.529	2280.783	2252.407	2242.727
28.0	2379.136	2316.894	2253.521	2222.303	2212.724
28.5	2354.015	2291.260	2226.559	2191.386	2181.193
29.0	2329.608	2265.725	2198.683	2160.269	2150.675
29.5	2303.674	2239.277	2171.207	2129.351	2119.044
30.0	2278.553	2213.942	2142.817	2097.420	2087.413
30.5	2251.904	2187.794	2114.427	2066.603	2054.868
31.0	2226.070	2160.931	2086.238	2034.258	2023.437
31.5	2200.435	2134.883	2058.248	2002.726	1990.892
32.0	2173.587	2108.021	2029.344	1970.581	1958.447
32.5	2146.738	2081.359	2000.641	1938.536	1925.902
33.0	2119.990	2054.696	1971.223	1907.405	1893.357
33.5	2092.228	2027.320	1942.720	1875.560	1860.298
34.0	2064.466	2000.758	1913.402	1843.001	1827.853
34.5	2037.103	1972.768	1883.371	1811.356	1795.194
35.0	2009.127	1945.692	1854.554	1779.711	1762.949
35.5	1981.151	1917.703	1825.636	1748.366	1731.104
36.0	1953.375	1890.727	1796.005	1717.121	1700.273
36.5	1924.586	1862.837	1767.388	1686.690	1668.728
37.0	1896.810	1834.433	1738.056	1655.745	1638.910
37.5	1868.420	1805.930	1708.925	1626.628	1607.765
38.0	1840.330	1778.640	1679.994	1596.897	1576.620
38.5	1812.340	1750.536	1651.877	1567.365	1545.775
39.0	1784.450	1722.633	1623.145	1537.934	1514.930
39.5	1755.947	1694.629	1594.614	1509.617	1484.285
40.0	1728.043	1666.212	1566.997	1480.586	1453.840
40.5	1701.653	1638.708	1538.666	1451.754	1423.395
41.0	1674.850	1610.791	1510.634	1422.409	1394.064
41.5	1648.146	1583.887	1483.417	1393.164	1364.533
42.0	1621.229	1557.283	1455.686	1364.933	1335.302
42.5	1596.039	1530.266	1428.868	1335.988	1306.784
43.0	1570.135	1503.849	1402.151	1307.957	1276.939
43.5	1543.818	1478.645	1374.920	1281.040	1249.436
44.0	1518.514	1453.028	1348.602	1254.022	1222.132
44.5	1492.697	1427.610	1322.385	1226.591	1195.229
45.0	1467.480	1403.107	1298.095	1199.874	1169.539
45.5	1443.876	1377.989	1273.092	1174.170	1143.435
46.0	1419.045	1353.072	1248.288	1148.566	1119.059
46.5	1395.527	1328.254	1223.684	1123.263	1094.069
47.0	1372.710	1303.737	1199.281	1099.073	1069.993
47.5	1350.193	1279.720	1175.077	1075.283	1046.017
48.0	1327.675	1256.102	1151.987	1052.507	1022.141
48.5	1304.444	1232.785	1127.370	1029.831	999.116
49.0	1282.027	1210.167	1103.053	1007.455	975.910
49.5	1258.995	1187.750	1079.649	985.830	953.067
50.0	1236.778	1165.433	1055.932	963.636	930.423
50.5	1214.661	1143.215	1033.942	942.067	908.142
51.0	1192.643	1121.812	1011.338	921.267	887.075
51.5	1170.626	1099.794	988.935	900.630	866.764
52.0	1148.708	1077.877	967.363	879.931	847.916
52.5	1126.691	1056.773	945.667	859.532	829.855
53.0	1104.874	1035.570	924.458	840.046	811.688
53.5	1083.870	1014.666	904.038	821.549	793.703
54.0	1062.866	994.476	883.944	803.019	776.368
54.5	1041.149	974.386	864.637	785.296	759.559

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55.0	1021.059	953.483	845.575	768.036	743.301
55.5	1000.356	933.900	826.957	750.776	726.999
56.0	979.552	914.254	808.439	733.922	710.941
56.5	958.748	894.753	790.446	717.395	695.390
57.0	938.696	875.270	772.554	701.374	680.020
57.5	918.743	856.131	754.905	685.697	664.976
58.0	898.628	837.318	738.008	670.265	650.194
58.5	879.182	818.667	721.129	654.932	635.475
59.0	859.311	799.973	703.844	639.762	621.038
59.5	839.947	781.666	686.902	625.018	606.926
60.0	820.438	763.867	670.468	610.455	592.733
60.5	801.337	746.474	654.196	595.955	578.884
61.0	782.010	729.507	637.924	581.799	565.116
61.5	762.890	712.929	622.259	567.725	551.449
62.0	744.195	696.450	606.350	554.013	537.925
62.5	725.845	680.134	590.604	540.282	524.683
63.0	707.150	664.081	575.283	526.815	511.685
63.5	688.781	647.765	560.287	513.591	499.194
64.0	670.675	630.716	545.436	500.712	486.703
64.5	652.305	613.117	531.011	487.995	474.537
65.0	634.362	595.580	516.766	475.541	462.653
65.5	616.500	578.225	502.422	463.169	450.850
66.0	598.819	561.439	488.341	450.796	439.210
66.5	581.445	544.491	474.422	438.687	427.833
67.0	564.352	527.542	460.766	426.577	416.374
67.5	547.323	510.857	447.254	414.630	405.078
68.0	530.474	494.597	433.942	402.701	393.375
68.5	513.626	478.499	420.531	390.673	381.916
69.0	496.959	463.153	407.219	378.545	370.539
69.5	480.192	448.276	394.151	366.598	359.180
70.0	463.788	433.581	381.165	354.995	347.985
70.5	447.427	418.867	368.341	343.555	337.033
71.0	431.511	404.579	355.680	332.378	326.244
71.5	415.740	390.046	343.282	321.182	315.555
72.0	400.031	375.532	330.966	310.167	305.110
72.5	384.584	360.837	318.893	299.497	294.583
73.0	369.382	346.630	306.902	288.808	284.320
73.5	354.424	332.667	295.355	278.381	274.219
74.0	339.447	318.804	283.934	268.118	264.100
74.5	325.078	305.104	272.694	258.036	254.425
75.0	310.852	291.748	261.535	247.935	244.487
75.5	296.645	278.699	250.376	238.016	234.730
76.0	283.026	265.976	239.380	228.178	225.036
76.5	269.570	253.515	228.647	218.502	215.705
77.0	256.458	241.298	218.239	208.908	206.274
77.5	243.672	229.163	207.913	199.496	196.924
78.0	230.886	217.453	197.668	190.065	187.756
78.5	218.344	205.806	187.686	180.734	178.769
79.0	206.146	194.341	177.867	171.665	169.763
79.5	193.848	183.019	168.092	162.497	160.939
80.0	181.975	172.042	158.679	153.591	152.196
80.5	170.447	161.409	149.348	144.767	143.535
81.0	159.063	150.757	140.180	136.106	135.236
81.5	147.941	140.449	131.211	127.544	126.756
82.0	136.801	130.304	122.206	118.983	118.357
82.5	125.924	120.341	113.382	110.584	110.121

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83.0	115.553	110.603	104.720	102.367	102.067
83.5	105.508	101.228	96.240	94.294	94.357
84.0	95.445	91.997	87.841	86.483	86.628
84.5	85.707	82.928	79.443	78.673	79.161
85.0	76.069	74.041	71.388	71.125	71.614
85.5	66.694	65.398	63.434	63.659	64.310
86.0	57.663	56.918	55.723	56.356	57.207
86.5	48.876	48.701	48.094	49.333	50.285
87.0	40.333	40.765	40.828	42.511	43.444
87.5	32.034	33.155	33.824	35.671	36.603
88.0	24.279	25.744	26.921	28.930	29.800
88.5	17.232	18.778	20.217	22.064	22.464
89.0	11.054	12.437	13.207	14.258	14.739
89.5	5.890	7.029	8.106	8.757	9.101
90.0	2.441	3.337	3.337	3.174	3.418
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-WSBL-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-WSBL-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-WSBL-DA-UNV ALL SECTIONS ON.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1112.76	N.A.	18.30
0-30	2230.55	N.A.	36.70
0-40	3395.85	N.A.	55.80
0-60	5179.99	N.A.	85.20
0-80	5997.83	N.A.	98.60
0-90	6080.29	N.A.	100.00
10-90	5780.73	N.A.	95.10
20-40	2283.08	N.A.	37.50
20-50	3292.43	N.A.	54.10
40-70	2314.47	N.A.	38.10
60-80	817.84	N.A.	13.50
70-80	287.51	N.A.	4.70
80-90	82.46	N.A.	1.40
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	6080.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	299.55
10-20	813.21
20-30	1117.79
30-40	1165.29
40-50	1009.35
50-60	774.79
60-70	530.33
70-80	287.51
80-90	82.46
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 : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-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	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	57	49	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	41	35	59	48	40	35	47	40	35	45	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-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	18.4	19.9	18.8	20.2	20.5	16.7	18.2	17.1	18.5	18.8
	3H	20.0	21.3	20.3	21.6	22.0	18.3	19.6	18.6	19.9	20.3
	4H	20.5	21.8	20.9	22.1	22.5	18.9	20.1	19.3	20.5	20.8
	6H	20.9	22.1	21.3	22.5	22.8	19.3	20.5	19.7	20.8	21.2
	8H	21.0	22.2	21.5	22.5	22.9	19.5	20.6	19.9	21.0	21.4
	12H	21.1	22.2	21.5	22.6	23.0	19.6	20.6	20.0	21.0	21.4

### UGR Viewed Endwise

4H	2H	18.7	20.0	19.1	20.3	20.7	17.4	18.6	17.8	19.0	19.4
	3H	20.5	21.6	20.9	22.0	22.4	19.1	20.2	19.5	20.6	21.0
	4H	21.2	22.2	21.6	22.6	23.0	19.8	20.8	20.2	21.2	21.6
	6H	21.8	22.6	22.2	23.0	23.5	20.4	21.2	20.9	21.7	22.1
	8H	21.9	22.7	22.4	23.1	23.6	20.6	21.4	21.1	21.8	22.3
	12H	22.1	22.7	22.5	23.2	23.7	20.8	21.4	21.2	21.9	22.4

8H	4H	21.4	22.2	21.9	22.6	23.1	20.1	20.9	20.6	21.4	21.8
	6H	22.0	22.7	22.5	23.2	23.6	20.8	21.5	21.3	22.0	22.4
	8H	22.3	22.8	22.8	23.4	23.8	21.1	21.7	21.6	22.2	22.7
	12H	22.5	23.0	23.0	23.5	24.0	21.3	21.8	21.8	22.3	22.9

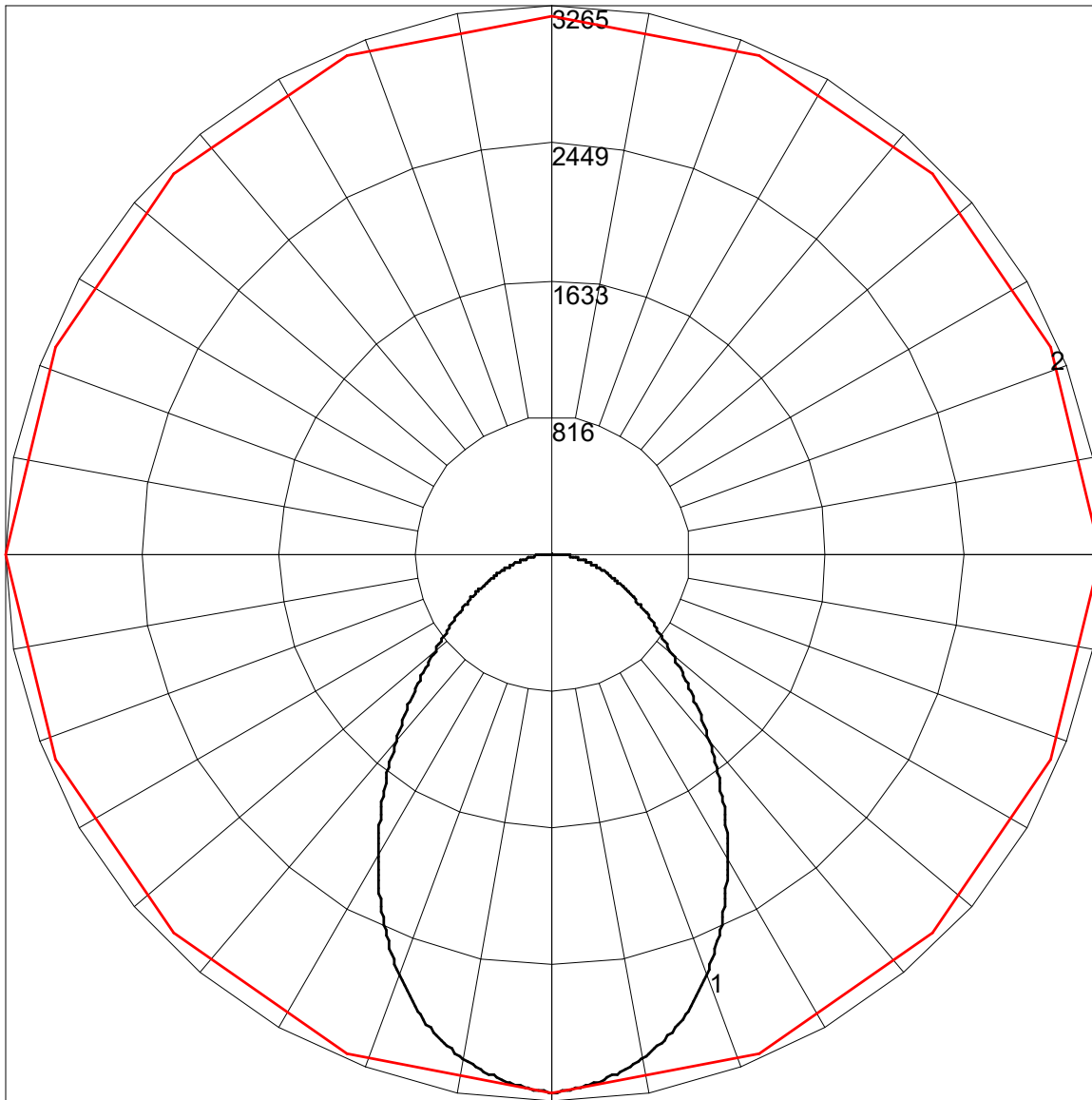
12H	4H	21.4	22.1	21.9	22.6	23.0	20.2	20.9	20.7	21.3	21.8
	6H	22.1	22.6	22.6	23.1	23.6	20.9	21.5	21.4	21.9	22.5
	8H	22.3	22.9	22.8	23.3	23.9	21.2	21.7	21.7	22.2	22.8

Maximum UGR = 24.0

# IES INDOOR REPORT

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

## POLAR GRAPH



Maximum Candela = 3265.432 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.)