



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX5-8-L8-930-S-(L5)-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN from UL #13638856.04  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 09-29-2022  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] LRX5-8-L8-930-(L5)-DMA-DIM-UNV  
 [LUMINAIRE] White steel housing, frosted lens enclosure  
 [LAMP] white LEDs  
 [BALLAST] (1) Everline Driver  
 [OTHER] This test was performed using the calibrated photodetector method  
 [MORE] of absolute photometry.  
 [\_SEARCH\_SOURCETYPE] 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	3575
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	34.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.94 ft
Luminous Width (90-270)	0.44 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4048	3549	3246
55	3517	3006	2723
65	2966	2527	2294
75	2362	2057	1902
85	1711	1578	1535

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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	1564.701	1564.701	1564.701	1564.701	1564.701
0.5	1584.660	1565.165	1558.203	1563.308	1560.059
1.0	1584.660	1564.701	1557.738	1563.308	1559.595
1.5	1583.732	1564.237	1557.738	1562.844	1559.131
2.0	1583.268	1563.773	1556.810	1562.380	1558.667
2.5	1582.339	1562.844	1555.882	1561.452	1557.738
3.0	1581.411	1561.916	1554.953	1560.523	1556.346
3.5	1580.483	1560.988	1554.025	1559.595	1555.418
4.0	1579.554	1559.595	1552.633	1558.203	1553.561
4.5	1578.162	1558.203	1551.240	1556.346	1551.704
5.0	1576.769	1556.346	1549.383	1554.489	1549.383
5.5	1574.913	1554.953	1547.527	1552.168	1547.063
6.0	1573.056	1553.097	1545.206	1549.848	1544.278
6.5	1571.663	1550.776	1542.885	1547.063	1541.493
7.0	1569.343	1548.455	1540.564	1544.278	1538.708
7.5	1567.022	1546.134	1537.779	1541.028	1535.459
8.0	1564.701	1543.813	1534.994	1537.779	1532.209
8.5	1562.380	1541.028	1531.745	1534.066	1528.496
9.0	1559.595	1538.244	1528.496	1529.889	1524.319
9.5	1556.810	1535.459	1524.783	1525.711	1520.141
10.0	1554.025	1532.209	1521.069	1521.534	1515.499
10.5	1550.776	1528.960	1516.892	1516.892	1510.394
11.0	1547.527	1525.247	1512.714	1511.786	1505.288
11.5	1544.278	1521.534	1508.537	1506.680	1499.718
12.0	1540.564	1517.820	1503.431	1501.574	1493.684
12.5	1536.851	1513.643	1498.789	1495.540	1488.114
13.0	1532.674	1509.465	1493.684	1489.970	1481.615
13.5	1528.496	1504.824	1488.578	1483.936	1475.581
14.0	1524.319	1500.182	1483.472	1477.438	1469.083
14.5	1519.677	1495.540	1477.902	1470.940	1462.120
15.0	1515.035	1490.434	1471.868	1464.441	1455.158
15.5	1510.394	1485.329	1465.834	1457.479	1448.195
16.0	1505.288	1479.759	1459.335	1450.052	1440.769
16.5	1499.718	1474.189	1452.837	1442.625	1432.878
17.0	1494.148	1468.619	1445.875	1435.199	1424.523
17.5	1488.578	1462.585	1438.912	1427.308	1416.168
18.0	1483.008	1456.550	1431.950	1418.953	1407.349
18.5	1476.974	1450.052	1424.523	1410.134	1398.530
19.0	1470.940	1443.554	1416.632	1401.315	1389.246
19.5	1464.905	1437.055	1408.741	1392.031	1379.499
20.0	1458.407	1430.093	1400.851	1382.284	1369.287
20.5	1451.909	1423.131	1392.496	1372.537	1359.076
21.0	1444.946	1416.168	1384.141	1362.325	1348.400
21.5	1437.984	1408.741	1375.786	1351.649	1337.724
22.0	1430.557	1401.315	1366.502	1340.973	1327.048
22.5	1423.595	1393.424	1357.683	1330.297	1316.373
23.0	1415.704	1385.533	1348.400	1319.622	1305.233
23.5	1408.277	1377.178	1338.652	1308.482	1293.628
24.0	1400.386	1368.823	1328.905	1297.342	1282.488
24.5	1392.496	1360.004	1319.158	1286.202	1270.884
25.0	1383.676	1351.185	1308.946	1275.062	1259.280
25.5	1375.322	1342.366	1298.734	1263.922	1247.212
26.0	1366.967	1333.082	1288.058	1252.782	1235.144
26.5	1358.147	1323.799	1277.383	1241.178	1223.539

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**CANDELA TABULATION - (Cont.)**

27.0	1348.864	1314.516	1266.707	1229.574	1211.935
27.5	1339.581	1304.768	1256.031	1217.970	1199.867
28.0	1330.297	1294.557	1244.891	1206.365	1187.799
28.5	1320.550	1284.345	1233.751	1194.297	1175.730
29.0	1310.803	1274.134	1222.611	1182.229	1163.662
29.5	1301.055	1263.922	1211.007	1170.160	1151.594
30.0	1290.843	1253.246	1199.403	1157.628	1139.061
30.5	1280.632	1242.570	1187.799	1145.096	1126.993
31.0	1270.420	1231.894	1176.195	1132.563	1113.997
31.5	1259.744	1221.219	1164.126	1120.031	1101.464
32.0	1249.069	1210.079	1152.058	1107.034	1088.467
32.5	1238.393	1198.939	1139.990	1094.037	1075.471
33.0	1227.253	1187.335	1127.457	1081.041	1062.010
33.5	1216.577	1175.730	1114.925	1067.580	1048.549
34.0	1204.973	1164.126	1102.392	1054.583	1035.088
34.5	1193.833	1152.058	1089.860	1041.123	1021.628
35.0	1182.229	1140.454	1076.863	1028.126	1008.167
35.5	1170.625	1127.921	1063.867	1014.665	994.706
36.0	1158.556	1115.853	1050.870	1001.204	981.245
36.5	1146.488	1103.321	1037.873	987.744	967.784
37.0	1134.420	1090.324	1024.413	974.283	954.324
37.5	1121.887	1077.792	1011.416	960.822	940.863
38.0	1109.819	1065.259	997.955	947.361	927.402
38.5	1096.822	1052.263	984.494	933.436	913.941
39.0	1084.290	1039.266	971.498	920.440	900.481
39.5	1071.293	1025.805	958.037	906.979	887.484
40.0	1058.297	1012.808	944.576	893.518	874.023
40.5	1045.300	999.812	931.115	880.057	860.562
41.0	1032.303	986.351	918.119	866.596	847.566
41.5	1019.307	973.354	904.658	853.136	834.105
42.0	1005.846	959.894	891.661	839.675	820.644
42.5	992.385	946.897	878.201	826.214	807.647
43.0	979.389	933.436	864.740	813.217	794.187
43.5	965.928	919.975	851.279	799.757	781.190
44.0	952.467	906.979	837.818	786.760	767.729
44.5	939.006	893.518	824.357	773.763	754.733
45.0	925.545	880.057	811.361	760.767	742.200
45.5	912.085	866.596	797.900	748.234	729.204
46.0	898.160	852.671	784.439	735.238	716.671
46.5	884.699	839.211	771.443	722.241	704.139
47.0	871.238	825.286	758.446	709.709	691.606
47.5	856.849	811.825	744.985	697.176	679.074
48.0	842.924	798.364	731.989	684.644	667.005
48.5	828.999	784.903	719.456	672.111	654.937
49.0	815.074	770.978	706.459	659.579	642.869
49.5	801.149	757.518	693.463	647.510	630.801
50.0	787.688	744.057	680.466	634.978	618.732
50.5	773.763	730.596	667.934	622.910	606.664
51.0	760.303	717.135	654.937	610.841	595.060
51.5	746.378	703.674	642.405	598.773	583.456
52.0	732.917	690.678	629.872	587.169	571.852
52.5	718.992	677.681	617.340	575.101	560.247
53.0	705.531	664.220	605.271	563.497	549.107
53.5	692.070	651.224	593.203	552.357	537.967
54.0	678.610	638.691	581.135	540.752	526.828
54.5	665.149	625.695	569.067	529.613	515.688

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55.0	652.152	613.162	557.462	518.937	505.012
55.5	639.155	601.094	545.394	507.797	493.872
56.0	625.695	588.097	533.790	497.121	483.660
56.5	612.698	576.029	522.650	486.445	472.984
57.0	600.166	563.497	511.046	475.769	462.587
57.5	587.169	551.428	499.906	465.558	452.700
58.0	574.637	539.360	488.766	455.253	442.814
58.5	561.640	527.292	477.626	445.088	432.973
59.0	549.107	515.688	466.950	435.016	423.179
59.5	537.039	504.083	456.042	424.943	413.386
60.0	524.507	492.479	445.274	414.917	403.824
60.5	512.438	480.875	434.737	405.216	394.355
61.0	500.370	469.271	424.386	395.422	385.071
61.5	488.302	457.899	414.128	385.861	375.788
62.0	476.234	446.620	403.870	376.252	366.551
62.5	464.165	435.433	393.798	366.830	357.314
63.0	452.329	424.433	383.818	357.454	348.263
63.5	440.446	413.339	373.978	348.263	339.212
64.0	428.610	402.431	364.370	339.305	330.486
64.5	416.960	391.755	354.761	330.439	321.899
65.0	405.263	380.987	345.293	321.713	313.451
65.5	393.798	370.265	335.824	313.079	305.049
66.0	382.426	359.728	326.401	304.585	296.741
66.5	371.007	349.191	317.071	296.137	288.525
67.0	359.867	338.887	307.834	287.782	280.449
67.5	348.820	328.536	298.737	279.520	272.558
68.0	337.634	318.417	289.686	271.212	264.528
68.5	326.679	308.252	280.681	262.903	256.498
69.0	315.911	298.226	271.722	254.595	248.421
69.5	305.235	288.293	262.578	246.286	240.391
70.0	294.838	278.406	253.713	238.117	232.454
70.5	284.580	268.705	245.033	230.087	224.610
71.0	274.414	259.097	236.446	222.149	216.904
71.5	264.389	249.674	227.998	214.305	209.292
72.0	254.455	240.298	219.550	206.600	201.819
72.5	244.569	231.154	211.242	198.941	194.439
73.0	234.960	222.057	203.165	191.422	187.151
73.5	225.399	213.237	195.274	184.042	180.003
74.0	215.976	204.558	187.476	176.801	172.994
74.5	206.786	196.017	179.771	169.652	166.032
75.0	197.688	187.569	172.112	162.597	159.162
75.5	188.730	179.214	164.547	155.635	152.339
76.0	179.910	170.998	157.120	148.765	145.701
76.5	171.231	162.922	149.833	142.035	139.110
77.0	162.690	155.031	142.684	135.397	132.705
77.5	154.289	147.280	135.629	128.945	126.346
78.0	146.073	139.574	128.713	122.540	119.987
78.5	137.950	132.009	121.843	116.134	113.767
79.0	130.013	124.536	115.113	109.821	107.640
79.5	122.261	117.155	108.429	103.648	101.606
80.0	114.742	110.054	101.931	97.660	95.804
80.5	107.454	103.045	95.664	91.765	90.094
81.0	100.353	96.221	89.491	85.963	84.432
81.5	93.344	89.537	83.410	80.301	78.955
82.0	86.474	82.946	77.469	74.684	73.477
82.5	79.651	76.541	71.621	69.207	68.139

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## CANDELA TABULATION - (Cont.)

83.0	73.060	70.275	65.958	63.916	62.894
83.5	66.654	64.194	60.388	58.670	57.835
84.0	60.341	58.299	54.957	53.518	52.868
84.5	54.214	52.497	49.666	48.459	48.041
85.0	48.227	46.834	44.467	43.492	43.260
85.5	42.378	41.264	39.315	38.619	38.619
86.0	36.715	35.880	34.302	33.930	34.116
86.5	31.238	30.728	29.521	29.382	29.753
87.0	25.993	25.761	24.879	24.972	25.529
87.5	20.887	20.980	20.330	20.748	21.444
88.0	16.014	16.339	16.014	16.664	17.267
88.5	11.511	11.929	11.697	11.929	11.975
89.0	7.705	7.984	7.937	8.216	8.819
89.5	5.245	4.874	5.106	6.081	6.777
90.0	3.110	2.506	2.831	3.667	4.131
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 : LRX5-8-L8-930-S-(L5)-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 : LRX5-8-L8-930-S-(L5)-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 : LRX5-8-L8-930-S-(L5)-DMA-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	563.68	N.A.	15.80
0-30	1167.95	N.A.	32.70
0-40	1845.28	N.A.	51.60
0-60	2986.9	N.A.	83.60
0-80	3523.12	N.A.	98.60
0-90	3574.85	N.A.	100.00
10-90	3427.24	N.A.	95.90
20-40	1281.6	N.A.	35.80
20-50	1915.06	N.A.	53.60
40-70	1491.08	N.A.	41.70
60-80	536.22	N.A.	15.00
70-80	186.76	N.A.	5.20
80-90	51.73	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	3574.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	147.61
10-20	416.07
20-30	604.26
30-40	677.34
40-50	633.47
50-60	508.15
60-70	349.46
70-80	186.76
80-90	51.73
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 : LRX5-8-L8-930-S-(L5)-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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	75	68	90	81	74	68	78	72	67	75	70	65	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	58	45	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX5-8-L8-930-S-(L5)-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	16.1	17.6	16.5	18.0	18.3	14.8	16.3	15.2	16.7	17.0
	3H	17.7	19.1	18.0	19.4	19.7	16.3	17.7	16.7	18.0	18.4
	4H	18.2	19.5	18.6	19.9	20.2	16.9	18.2	17.3	18.5	18.9
	6H	18.6	19.8	19.0	20.2	20.6	17.3	18.5	17.7	18.9	19.3
	8H	18.7	19.9	19.2	20.3	20.7	17.4	18.6	17.8	19.0	19.4
	12H	18.8	19.9	19.2	20.3	20.7	17.5	18.6	17.9	19.0	19.4

### UGR Viewed Endwise

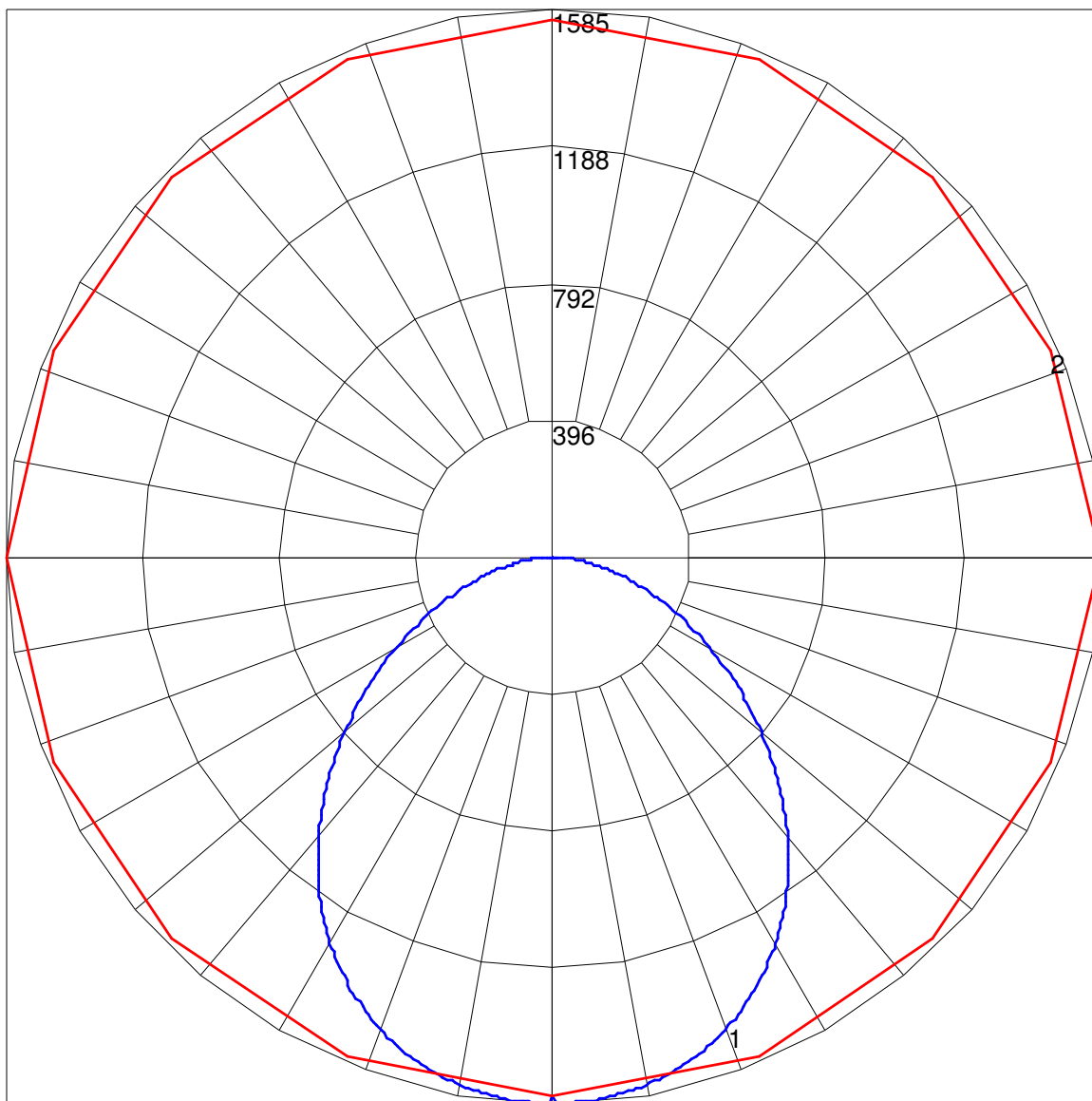
4H	2H	16.5	17.8	16.9	18.1	18.5	15.4	16.7	15.8	17.1	17.5
	3H	18.3	19.4	18.7	19.8	20.2	17.2	18.3	17.6	18.7	19.1
	4H	18.9	19.9	19.4	20.4	20.8	17.8	18.8	18.2	19.2	19.7
	6H	19.5	20.3	19.9	20.8	21.2	18.3	19.2	18.8	19.7	20.1
	8H	19.6	20.4	20.1	20.9	21.4	18.5	19.3	19.0	19.8	20.2
	12H	19.8	20.5	20.2	21.0	21.4	18.7	19.4	19.1	19.9	20.3

8H	4H	19.1	19.9	19.6	20.4	20.9	18.1	18.9	18.6	19.4	19.8
	6H	19.8	20.4	20.3	20.9	21.4	18.8	19.4	19.3	19.9	20.4
	8H	20.0	20.6	20.5	21.1	21.6	19.0	19.6	19.5	20.1	20.6
	12H	20.2	20.7	20.7	21.2	21.8	19.2	19.7	19.7	20.2	20.8

12H	4H	19.1	19.9	19.6	20.3	20.8	18.2	18.9	18.6	19.4	19.8
	6H	19.8	20.4	20.3	20.9	21.4	18.8	19.4	19.4	19.9	20.4
	8H	20.1	20.6	20.6	21.1	21.7	19.1	19.7	19.6	20.1	20.7

Maximum UGR = 21.8

POLAR GRAPH



Maximum Candela = 1584.66 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.)