

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX5G-4-L8-840-S-DMA-(L4)-DIM1-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLADS TEST 13638856.04

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 6-12-2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] LRX5G-4-L8-840-S-DMA-(L4)-DIM1-UNV

[LUMINAIRE] White steel housing, frosted lens enclosure

[LAMP] 288 white LEDs

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

[MORE] hod 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	1657
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	14.12
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)	3.94 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	3782	3316	3033
55	3286	2809	2544
65	2771	2361	2143
75	2207	1922	1777
85	1599	1474	1434

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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	725.233	725.233	725.233	725.233	725.233
0.5	734.484	725.448	722.221	724.588	723.082
1.0	734.484	725.233	722.006	724.588	722.867
1.5	734.054	725.018	722.006	724.373	722.652
2.0	733.839	724.803	721.576	724.158	722.436
2.5	733.409	724.373	721.146	723.727	722.006
3.0	732.978	723.942	720.715	723.297	721.361
3.5	732.548	723.512	720.285	722.867	720.930
4.0	732.118	722.867	719.640	722.221	720.070
4.5	731.472	722.221	718.994	721.361	719.209
5.0	730.827	721.361	718.134	720.500	718.134
5.5	729.966	720.715	717.273	719.424	717.058
6.0	729.106	719.855	716.197	718.349	715.767
6.5	728.460	718.779	715.122	717.058	714.476
7.0	727.385	717.703	714.046	715.767	713.185
7.5	726.309	716.628	712.755	714.261	711.679
8.0	725.233	715.552	711.464	712.755	710.173
8.5	724.158	714.261	709.958	711.034	708.452
9.0	722.867	712.970	708.452	709.098	706.516
9.5	721.576	711.679	706.731	707.162	704.580
10.0	720.285	710.173	705.010	705.225	702.428
10.5	718.779	708.668	703.074	703.074	700.062
11.0	717.273	706.946	701.138	700.707	697.695
11.5	715.767	705.225	699.201	698.341	695.114
12.0	714.046	703.504	696.835	695.974	692.317
12.5	712.325	701.568	694.683	693.178	689.735
13.0	710.389	699.632	692.317	690.596	686.723
13.5	708.452	697.480	689.950	687.799	683.927
14.0	706.516	695.329	687.584	684.787	680.915
14.5	704.365	693.178	685.002	681.775	677.688
15.0	702.213	690.811	682.205	678.763	674.460
15.5	700.062	688.444	679.409	675.536	671.233
16.0	697.695	685.863	676.397	672.094	667.791
16.5	695.114	683.281	673.385	668.652	664.134
17.0	692.532	680.699	670.158	665.209	660.261
17.5	689.950	677.903	666.931	661.552	656.389
18.0	687.369	675.106	663.703	657.680	652.301
18.5	684.572	672.094	660.261	653.592	648.213
19.0	681.775	669.082	656.604	649.504	643.911
19.5	678.978	666.070	652.947	645.202	639.393
20.0	675.966	662.843	649.289	640.684	634.660
20.5	672.954	659.616	645.417	636.166	629.927
21.0	669.727	656.389	641.544	631.433	624.978
21.5	666.500	652.947	637.672	626.484	620.030
22.0	663.058	649.504	633.369	621.536	615.082
22.5	659.831	645.847	629.281	616.588	610.134
23.0	656.174	642.190	624.978	611.640	604.971
23.5	652.731	638.317	620.461	606.477	599.592
24.0	649.074	634.445	615.943	601.313	594.429
24.5	645.417	630.357	611.425	596.150	589.050
25.0	641.329	626.269	606.692	590.987	583.672
25.5	637.457	622.182	601.959	585.823	578.078
26.0	633.584	617.879	597.010	580.660	572.485
26.5	629.496	613.576	592.062	575.281	567.106

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27.0	625.194	609.273	587.114	569.903	561.728
27.5	620.891	604.755	582.166	564.524	556.134
28.0	616.588	600.022	577.003	559.146	550.540
28.5	612.070	595.289	571.839	553.552	544.947
29.0	607.552	590.556	566.676	547.959	539.353
29.5	603.034	585.823	561.297	542.365	533.760
30.0	598.301	580.875	555.919	536.556	527.951
30.5	593.568	575.927	550.540	530.748	522.357
31.0	588.835	570.979	545.162	524.939	516.333
31.5	583.887	566.030	539.568	519.130	510.525
32.0	578.939	560.867	533.975	513.106	504.501
32.5	573.991	555.704	528.381	507.082	498.477
33.0	568.827	550.325	522.572	501.058	492.238
33.5	563.879	544.947	516.764	494.819	485.999
34.0	558.501	539.568	510.955	488.796	479.760
34.5	553.337	533.975	505.146	482.557	473.521
35.0	547.959	528.596	499.122	476.533	467.282
35.5	542.580	522.788	493.098	470.294	461.043
36.0	536.987	517.194	487.074	464.055	454.804
36.5	531.393	511.385	481.051	457.816	448.565
37.0	525.799	505.361	474.812	451.577	442.326
37.5	519.991	499.553	468.788	445.338	436.087
38.0	514.397	493.744	462.549	439.098	429.848
38.5	508.373	487.720	456.310	432.644	423.608
39.0	502.564	481.696	450.286	426.620	417.369
39.5	496.541	475.457	444.047	420.381	411.346
40.0	490.517	469.433	437.808	414.142	405.107
40.5	484.493	463.409	431.569	407.903	398.868
41.0	478.469	457.170	425.545	401.664	392.844
41.5	472.445	451.146	419.306	395.425	386.605
42.0	466.206	444.907	413.282	389.186	380.366
42.5	459.967	438.883	407.043	382.947	374.342
43.0	453.943	432.644	400.804	376.923	368.103
43.5	447.704	426.405	394.565	370.684	362.079
44.0	441.465	420.381	388.326	364.660	355.840
44.5	435.226	414.142	382.087	358.637	349.816
45.0	428.987	407.903	376.063	352.613	344.007
45.5	422.748	401.664	369.824	346.804	337.983
46.0	416.294	395.210	363.585	340.780	332.174
46.5	410.055	388.971	357.561	334.756	326.366
47.0	403.816	382.517	351.537	328.947	320.557
47.5	397.146	376.278	345.298	323.139	314.748
48.0	390.692	370.039	339.274	317.330	309.155
48.5	384.238	363.800	333.465	311.521	303.561
49.0	377.784	357.346	327.441	305.712	297.967
49.5	371.330	351.107	321.418	300.119	292.374
50.0	365.091	344.868	315.394	294.310	286.780
50.5	358.637	338.629	309.585	288.716	281.187
51.0	352.398	332.390	303.561	283.123	275.808
51.5	345.943	326.151	297.752	277.529	270.430
52.0	339.704	320.127	291.943	272.151	265.051
52.5	333.250	314.103	286.135	266.557	259.673
53.0	327.011	307.864	280.541	261.179	254.509
53.5	320.772	301.840	274.948	256.015	249.346
54.0	314.533	296.031	269.354	250.637	244.183
54.5	308.294	290.007	263.760	245.473	239.019

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55.0	302.270	284.198	258.382	240.525	234.071
55.5	296.246	278.605	252.788	235.362	228.908
56.0	290.007	272.581	247.410	230.414	224.175
56.5	283.983	266.987	242.246	225.466	219.227
57.0	278.175	261.179	236.868	220.517	214.407
57.5	272.151	255.585	231.705	215.784	209.825
58.0	266.342	249.991	226.541	211.008	205.243
58.5	260.318	244.398	221.378	206.297	200.682
59.0	254.509	239.019	216.430	201.628	196.142
59.5	248.916	233.641	211.374	196.960	191.603
60.0	243.107	228.262	206.383	192.313	187.171
60.5	237.513	222.884	201.499	187.816	182.782
61.0	231.920	217.505	196.701	183.277	178.479
61.5	226.326	212.235	191.947	178.845	174.176
62.0	220.733	207.007	187.192	174.392	169.895
62.5	215.139	201.822	182.524	170.024	165.614
63.0	209.653	196.723	177.898	165.678	161.419
63.5	204.145	191.581	173.337	161.419	157.224
64.0	198.659	186.525	168.884	157.267	153.179
64.5	193.259	181.577	164.431	153.157	149.199
65.0	187.838	176.586	160.042	149.113	145.283
65.5	182.524	171.616	155.653	145.111	141.389
66.0	177.253	166.733	151.286	141.174	137.538
66.5	171.961	161.849	146.961	137.259	133.730
67.0	166.797	157.073	142.680	133.386	129.987
67.5	161.677	152.275	138.463	129.557	126.330
68.0	156.492	147.585	134.268	125.706	122.608
68.5	151.415	142.874	130.094	121.855	118.886
69.0	146.424	138.227	125.942	118.004	115.142
69.5	141.475	133.623	121.704	114.153	111.420
70.0	136.656	129.040	117.595	110.366	107.742
70.5	131.902	124.544	113.572	106.644	104.106
71.0	127.190	120.091	109.592	102.965	100.534
71.5	122.543	115.723	105.676	99.330	97.006
72.0	117.939	111.377	101.761	95.758	93.542
72.5	113.357	107.139	97.910	92.209	90.122
73.0	108.903	102.922	94.166	88.723	86.744
73.5	104.471	98.835	90.509	85.303	83.431
74.0	100.104	94.812	86.895	81.946	80.182
74.5	95.844	90.853	83.323	78.633	76.955
75.0	91.628	86.938	79.774	75.363	73.771
75.5	87.475	83.065	76.267	72.136	70.609
76.0	83.388	79.257	72.825	68.952	67.532
76.5	79.365	75.514	69.447	65.833	64.477
77.0	75.406	71.856	66.134	62.756	61.508
77.5	71.512	68.264	62.864	59.766	58.561
78.0	67.704	64.692	59.658	56.797	55.613
78.5	63.939	61.186	56.474	53.828	52.731
79.0	60.260	57.722	53.354	50.902	49.891
79.5	56.668	54.301	50.256	48.041	47.094
80.0	53.182	51.009	47.245	45.265	44.405
80.5	49.805	47.761	44.340	42.533	41.758
81.0	46.513	44.598	41.479	39.844	39.134
81.5	43.264	41.500	38.660	37.219	36.595
82.0	40.080	38.445	35.907	34.616	34.056
82.5	36.918	35.476	33.196	32.077	31.582

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

83.0	33.863	32.572	30.571	29.625	29.151
83.5	30.894	29.754	27.990	27.194	26.806
84.0	27.968	27.021	25.472	24.806	24.504
84.5	25.128	24.332	23.020	22.461	22.267
85.0	22.353	21.708	20.610	20.159	20.051
85.5	19.642	19.126	18.222	17.900	17.900
86.0	17.017	16.630	15.899	15.727	15.813
86.5	14.479	14.242	13.683	13.618	13.790
87.0	12.048	11.940	11.531	11.574	11.833
87.5	9.681	9.724	9.423	9.617	9.939
88.0	7.422	7.573	7.422	7.723	8.003
88.5	5.335	5.529	5.422	5.529	5.551
89.0	3.571	3.700	3.679	3.808	4.088
89.5	2.431	2.259	2.367	2.818	3.141
90.0	1.441	1.162	1.312	1.700	1.915
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

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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 : LRX5G-4-L8-840-S-DMA-(L4)-DIM1-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 : LRX5G-4-L8-840-S-DMA-(L4)-DIM1-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	261.27	N.A.	15.80
0-30	541.34	N.A.	32.70
0-40	855.28	N.A.	51.60
0-60	1384.42	N.A.	83.60
0-80	1632.95	N.A.	98.60
0-90	1656.93	N.A.	100.00
10-90	1588.51	N.A.	95.90
20-40	594.02	N.A.	35.80
20-50	887.63	N.A.	53.60
40-70	691.11	N.A.	41.70
60-80	248.54	N.A.	15.00
70-80	86.56	N.A.	5.20
80-90	23.98	N.A.	1.40
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1656.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	68.42
10-20	192.85
20-30	280.07
30-40	313.94
40-50	293.61
50-60	235.53
60-70	161.97
70-80	86.56
80-90	23.98
90-100	0.04
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 : LRX5G-4-L8-840-S-DMA-(L4)-DIM1-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

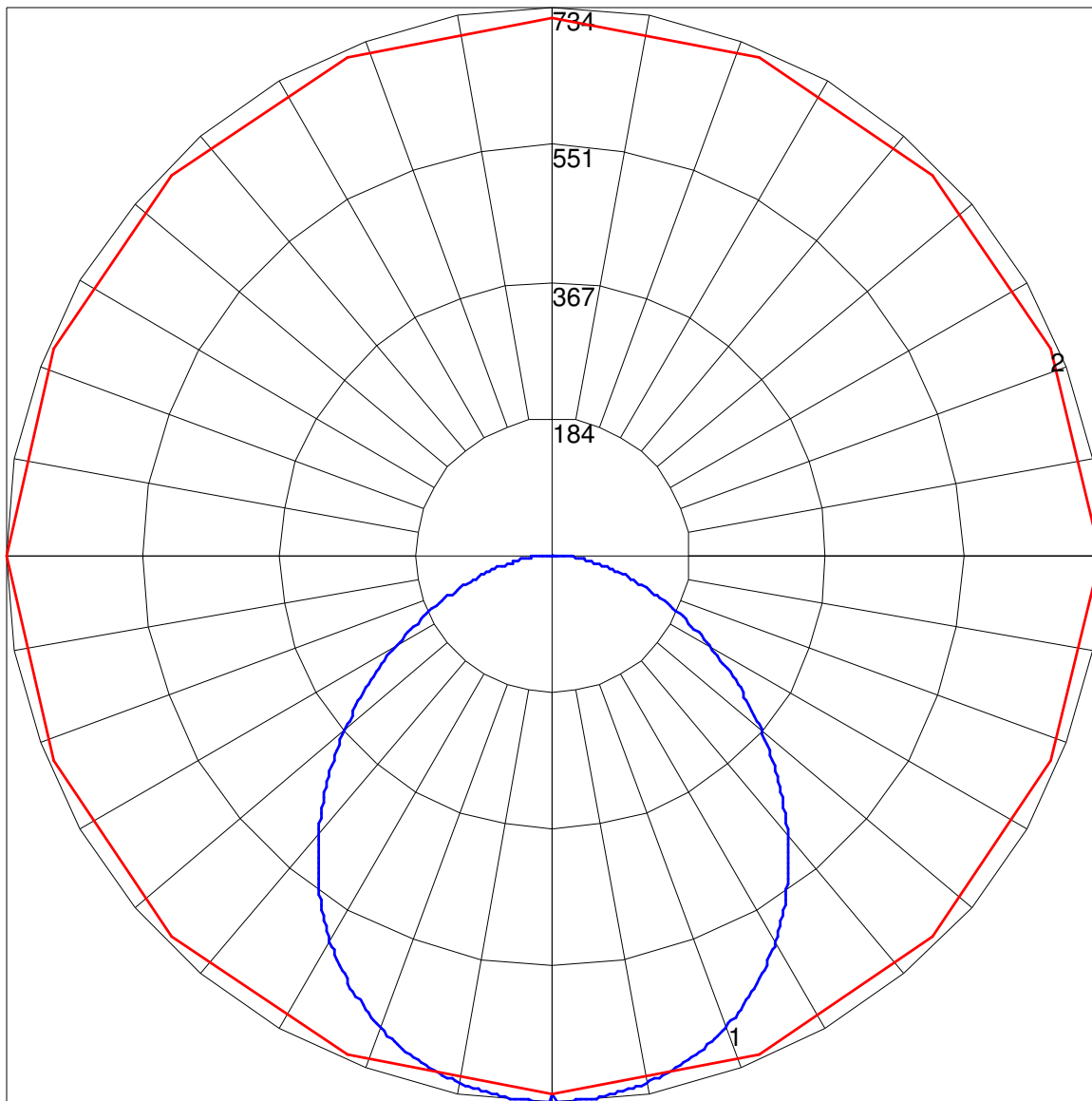
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX5G-4-L8-840-S-DMA-(L4)-DIM1-UNV\_.IES**

**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	15.9	17.5	16.3	17.8	18.1	14.6	16.2	15.0	16.5	16.8
	3H	17.5	18.9	17.9	19.2	19.6	16.2	17.6	16.5	17.9	18.2
	4H	18.0	19.4	18.4	19.7	20.1	16.7	18.0	17.1	18.4	18.7
	6H	18.4	19.6	18.8	20.0	20.4	17.1	18.3	17.5	18.7	19.1
	8H	18.6	19.7	19.0	20.1	20.5	17.3	18.4	17.7	18.8	19.2
	12H	18.6	19.7	19.1	20.1	20.6	17.3	18.4	17.8	18.8	19.3
4H	2H	16.3	17.6	16.7	18.0	18.4	15.3	16.6	15.7	16.9	17.3
	3H	18.1	19.2	18.5	19.6	20.0	17.0	18.1	17.4	18.5	18.9
	4H	18.8	19.8	19.2	20.2	20.6	17.7	18.6	18.1	19.1	19.5
	6H	19.3	20.2	19.8	20.6	21.1	18.2	19.0	18.6	19.5	19.9
	8H	19.5	20.3	19.9	20.7	21.2	18.4	19.2	18.8	19.6	20.1
	12H	19.6	20.3	20.1	20.8	21.3	18.5	19.2	19.0	19.7	20.2
8H	4H	19.0	19.8	19.4	20.2	20.7	18.0	18.8	18.4	19.2	19.7
	6H	19.6	20.3	20.1	20.8	21.2	18.6	19.3	19.1	19.8	20.2
	8H	19.8	20.4	20.4	20.9	21.4	18.8	19.4	19.4	20.0	20.4
	12H	20.0	20.6	20.5	21.0	21.6	19.0	19.6	19.6	20.1	20.6
12H	4H	19.0	19.7	19.5	20.2	20.7	18.0	18.7	18.5	19.2	19.7
	6H	19.6	20.2	20.2	20.7	21.2	18.7	19.3	19.2	19.7	20.3
	8H	19.9	20.4	20.4	20.9	21.5	18.9	19.5	19.5	20.0	20.5

Maximum UGR = 21.6

POLAR GRAPH



Maximum Candela = 734.484 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.)