



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4G-4-L8-835-S-DMA-(L6)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13638856.02
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 30 AUG 2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] LRX4G-4-L8-835-S-DMA-(L6)-DIM-UNV
[LUMINAIRE] 4 INCH WIDE, LINEAR RECESSED LED LUMINAIRE
[MORE] WITH DIFFUSED ACRYLIC LENSING
[LAMP] LED
[BALLAST] 0-10V DIMMING DRIVER
[_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	2351
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	20.4
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

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6798	5749	4964
55	5891	4755	4080
65	4961	3959	3492
75	3955	3277	3060
85	2926	2768	2783

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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	1051.442	1051.442	1051.442	1051.442	1051.442
0.5	1066.798	1051.846	1046.593	1050.230	1046.593
1.0	1066.798	1051.442	1046.593	1050.230	1046.593
1.5	1066.393	1051.442	1046.189	1050.230	1046.189
2.0	1066.393	1051.038	1045.785	1049.826	1045.785
2.5	1065.585	1050.230	1045.381	1049.422	1045.381
3.0	1065.181	1049.826	1044.977	1049.018	1044.573
3.5	1064.373	1049.018	1044.169	1048.209	1043.764
4.0	1063.969	1048.209	1043.360	1047.401	1042.956
4.5	1062.757	1046.997	1042.552	1046.593	1042.148
5.0	1061.544	1046.189	1041.340	1045.785	1040.532
5.5	1060.736	1044.977	1040.128	1044.169	1039.319
6.0	1059.928	1043.764	1038.915	1042.956	1038.107
6.5	1058.312	1042.552	1037.703	1041.340	1036.087
7.0	1057.099	1040.936	1036.087	1039.319	1034.470
7.5	1055.887	1039.319	1034.470	1037.703	1032.854
8.0	1054.271	1038.107	1032.450	1035.683	1031.238
8.5	1052.654	1036.087	1030.834	1033.258	1028.813
9.0	1050.634	1034.470	1028.409	1030.834	1026.389
9.5	1049.018	1032.450	1026.389	1028.409	1023.964
10.0	1046.997	1030.429	1023.964	1025.984	1021.135
10.5	1044.977	1028.005	1021.539	1022.752	1017.903
11.0	1042.956	1025.984	1018.711	1019.923	1014.670
11.5	1040.532	1023.560	1015.882	1016.690	1011.033
12.0	1038.107	1020.731	1013.054	1013.054	1007.800
12.5	1035.683	1018.307	1009.821	1009.821	1003.760
13.0	1032.854	1015.478	1006.992	1006.184	1000.123
13.5	1030.429	1012.650	1003.355	1002.143	996.082
14.0	1027.197	1009.417	1000.123	998.102	992.041
14.5	1024.368	1006.184	996.486	993.657	988.000
15.0	1021.135	1002.951	992.445	989.616	983.151
15.5	1017.903	999.719	988.404	985.171	978.706
16.0	1014.266	996.082	984.363	980.322	973.857
16.5	1010.629	992.445	980.322	975.473	968.604
17.0	1007.396	988.808	975.877	970.220	963.351
17.5	1003.355	984.767	971.432	964.967	957.693
18.0	999.719	980.726	966.583	959.310	951.632
18.5	995.678	976.685	961.734	953.652	945.571
19.0	991.637	972.241	956.885	947.187	939.105
19.5	987.596	967.796	951.632	940.721	931.832
20.0	983.555	963.351	945.975	934.256	924.962
20.5	979.110	958.501	940.721	927.387	917.688
21.0	974.665	954.056	934.660	920.113	910.011
21.5	969.816	949.207	929.003	912.839	902.737
22.0	964.967	943.954	922.942	905.162	894.251
22.5	960.118	938.701	916.476	897.484	886.573
23.0	955.269	933.448	910.415	889.402	878.088
23.5	950.016	927.791	903.545	881.724	869.602
24.0	944.762	922.537	897.080	873.643	861.116
24.5	939.105	916.476	889.806	865.561	852.226
25.0	933.448	910.819	882.937	857.075	843.336
25.5	927.387	904.757	875.663	848.589	834.446
26.0	921.729	898.292	868.389	840.103	825.556
26.5	915.668	892.231	861.116	832.021	816.262

IES INDOOR REPORT**PHOTOMETRIC FILENAME : LRX4G-4-L8-835-S-DMA-(L6)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	909.607	885.765	853.438	823.131	806.968
27.5	903.545	879.300	845.760	814.241	797.270
28.0	897.080	872.430	838.083	805.351	788.380
28.5	890.614	865.561	830.405	796.057	778.681
29.0	884.553	858.691	822.323	786.763	769.387
29.5	877.683	851.418	814.241	777.469	759.689
30.0	871.218	844.548	805.755	767.771	749.991
30.5	863.944	837.274	797.270	758.477	739.889
31.0	857.075	829.597	788.784	748.375	730.191
31.5	850.205	822.323	780.298	738.676	720.088
32.0	842.932	814.645	771.408	728.574	709.986
32.5	835.658	806.968	762.518	718.472	699.884
33.0	828.384	799.290	753.224	708.774	689.782
33.5	820.707	791.208	744.334	698.672	679.275
34.0	813.029	783.530	735.040	688.165	669.173
34.5	805.351	775.045	725.342	678.063	658.667
35.0	797.270	766.963	716.047	667.961	648.564
35.5	789.188	758.477	706.753	657.858	638.462
36.0	781.106	750.395	697.055	647.756	628.764
36.5	772.620	741.909	687.761	638.058	618.662
37.0	764.538	733.019	678.063	627.956	609.368
37.5	756.052	724.129	668.365	618.662	599.265
38.0	747.566	715.643	658.667	608.964	589.163
38.5	739.081	706.753	649.373	599.265	579.061
39.0	730.595	697.863	639.674	589.567	568.959
39.5	721.705	688.973	629.976	580.273	558.856
40.0	712.815	679.679	620.682	570.575	548.754
40.5	704.329	670.789	610.984	560.877	538.652
41.0	695.439	661.495	601.286	550.775	528.954
41.5	686.549	652.605	591.992	540.672	519.256
42.0	677.255	643.715	582.294	530.974	509.557
42.5	668.769	634.421	573.000	520.872	500.263
43.0	659.879	625.127	563.706	511.174	490.161
43.5	650.585	616.237	554.007	501.880	481.271
44.0	641.695	606.943	544.713	492.586	472.381
44.5	632.401	597.649	535.419	482.888	463.491
45.0	623.107	588.759	526.933	473.593	455.005
45.5	614.217	579.465	518.043	464.703	446.115
46.0	604.519	570.171	509.153	455.814	438.034
46.5	595.225	560.877	500.263	446.924	429.548
47.0	585.930	551.583	491.373	438.438	421.466
47.5	576.636	542.289	482.483	429.952	413.384
48.0	567.342	532.995	473.998	421.870	405.302
48.5	557.644	523.701	464.703	413.788	397.544
49.0	548.350	514.407	455.409	405.706	389.745
49.5	538.652	505.112	446.519	397.948	382.027
50.0	529.358	495.818	437.225	389.906	374.309
50.5	520.064	486.524	428.739	382.027	366.671
51.0	510.770	477.634	419.849	374.430	359.438
51.5	501.476	468.340	410.960	366.914	352.084
52.0	492.182	459.046	402.433	359.317	344.810
52.5	482.888	450.156	393.745	351.720	337.779
53.0	473.593	441.266	385.300	344.527	330.546
53.5	464.703	432.376	377.097	337.577	323.353
54.0	455.814	423.890	369.055	330.263	316.483
54.5	446.519	415.405	361.256	323.151	309.775

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CANDELA TABULATION - (Cont.)

55.0	438.034	406.515	353.579	316.120	303.391
55.5	429.144	398.231	346.022	309.088	296.885
56.0	420.254	389.866	338.466	302.259	290.500
56.5	411.364	381.623	331.071	295.592	284.318
57.0	402.797	373.339	323.676	289.126	278.176
57.5	394.230	365.176	316.402	282.782	272.195
58.0	385.583	357.175	309.452	276.559	266.295
58.5	377.218	349.255	302.461	270.336	260.476
59.0	368.692	341.214	295.269	264.194	254.698
59.5	360.367	333.415	288.197	258.214	249.081
60.0	351.922	325.818	281.327	252.273	243.424
60.5	343.679	318.423	274.539	246.414	237.888
61.0	335.273	311.190	267.750	240.676	232.392
61.5	327.070	304.199	261.163	234.978	226.897
62.0	319.029	297.208	254.455	229.361	221.522
62.5	311.109	290.298	247.828	223.785	216.188
63.0	303.067	283.469	241.363	218.289	210.975
63.5	295.188	276.559	235.059	212.915	205.965
64.0	287.389	269.286	228.877	207.662	200.954
64.5	279.509	261.689	222.856	202.489	196.105
65.0	271.791	254.173	216.875	197.398	191.296
65.5	264.113	246.697	210.895	192.347	186.528
66.0	256.476	239.504	204.995	187.296	181.840
66.5	249.041	232.231	199.176	182.325	177.234
67.0	241.646	224.957	193.438	177.355	172.587
67.5	234.332	217.764	187.821	172.466	168.021
68.0	227.058	210.733	182.204	167.536	163.252
68.5	219.785	203.783	176.587	162.606	158.605
69.0	212.551	197.156	170.970	157.676	153.999
69.5	205.318	190.811	165.475	152.786	149.352
70.0	198.166	184.507	160.020	148.018	144.785
70.5	191.135	178.244	154.645	143.331	140.340
71.0	184.225	172.142	149.352	138.724	135.976
71.5	177.436	165.919	144.139	134.158	131.612
72.0	170.728	159.656	138.967	129.632	127.369
72.5	164.101	153.352	133.915	125.227	123.086
73.0	157.595	147.291	128.905	120.863	118.883
73.5	151.210	141.351	124.015	116.580	114.762
74.0	144.866	135.411	119.287	112.377	110.680
74.5	138.724	129.551	114.600	108.215	106.720
75.0	132.703	123.813	109.953	104.094	102.679
75.5	126.642	118.277	105.306	100.012	98.679
76.0	120.823	112.903	100.740	95.971	94.759
76.5	115.085	107.609	96.254	92.011	90.920
77.0	109.468	102.437	91.930	88.092	87.081
77.5	104.013	97.305	87.647	84.212	83.283
78.0	98.558	92.335	83.404	80.373	79.525
78.5	93.224	87.445	79.242	76.535	75.807
79.0	88.011	82.596	75.161	72.777	72.130
79.5	82.798	77.868	71.201	69.019	68.493
80.0	77.747	73.262	67.321	65.341	64.897
80.5	72.817	68.776	63.483	61.705	61.341
81.0	68.008	64.331	59.725	58.149	57.866
81.5	63.280	60.007	55.966	54.593	54.350
82.0	58.593	55.764	52.289	51.037	50.875
82.5	53.986	51.562	48.652	47.561	47.481

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CANDELA TABULATION - (Cont.)

83.0	49.582	47.521	45.096	44.127	44.127
83.5	45.339	43.561	41.581	40.813	40.894
84.0	41.136	39.722	38.106	37.580	37.702
84.5	37.095	35.964	34.631	34.348	34.590
85.0	33.055	32.246	31.277	31.196	31.438
85.5	29.094	28.650	27.923	28.084	28.408
86.0	25.256	25.134	24.690	25.054	25.377
86.5	21.538	21.700	21.498	22.063	22.387
87.0	17.942	18.305	18.386	19.073	19.437
87.5	14.466	15.073	15.355	16.123	16.487
88.0	11.112	11.840	12.325	13.173	13.456
88.5	7.961	8.728	9.294	10.062	10.062
89.0	5.092	5.778	6.061	6.385	6.425
89.5	2.627	3.192	3.677	4.000	4.122
90.0	1.212	1.657	1.657	1.576	1.697
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 : LRX4G-4-L8-835-S-DMA-(L6)-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 : LRX4G-4-L8-835-S-DMA-(L6)-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 : LRX4G-4-L8-835-S-DMA-(L6)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	379.93	N.A.	16.20
0-30	786.43	N.A.	33.50
0-40	1235.01	N.A.	52.50
0-60	1970.34	N.A.	83.80
0-80	2315.13	N.A.	98.50
0-90	2350.86	N.A.	100.00
10-90	2251.56	N.A.	95.80
20-40	855.08	N.A.	36.40
20-50	1265.81	N.A.	53.80
40-70	958.67	N.A.	40.80
60-80	344.79	N.A.	14.70
70-80	121.45	N.A.	5.20
80-90	35.73	N.A.	1.50
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	2350.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.30
10-20	280.63
20-30	406.50
30-40	448.58
40-50	410.73
50-60	324.60
60-70	223.34
70-80	121.45
80-90	35.73
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 : LRX4G-4-L8-835-S-DMA-(L6)-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	93	90	91	89	88	86
2	101	93	87	81	98	91	85	80	88	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX4G-4-L8-835-S-DMA-(L6)-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	17.9	19.5	18.3	19.8	20.1	16.0	17.6	16.4	17.9	18.2
	3H	19.5	20.9	19.9	21.2	21.6	17.6	19.0	18.0	19.3	19.7
	4H	20.1	21.4	20.5	21.7	22.1	18.2	19.5	18.6	19.9	20.2
	6H	20.5	21.7	20.9	22.1	22.4	18.7	19.9	19.1	20.3	20.6
	8H	20.6	21.8	21.0	22.1	22.5	18.8	20.0	19.3	20.4	20.8
	12H	20.7	21.8	21.1	22.2	22.6	19.0	20.1	19.4	20.5	20.9

UGR Viewed Endwise

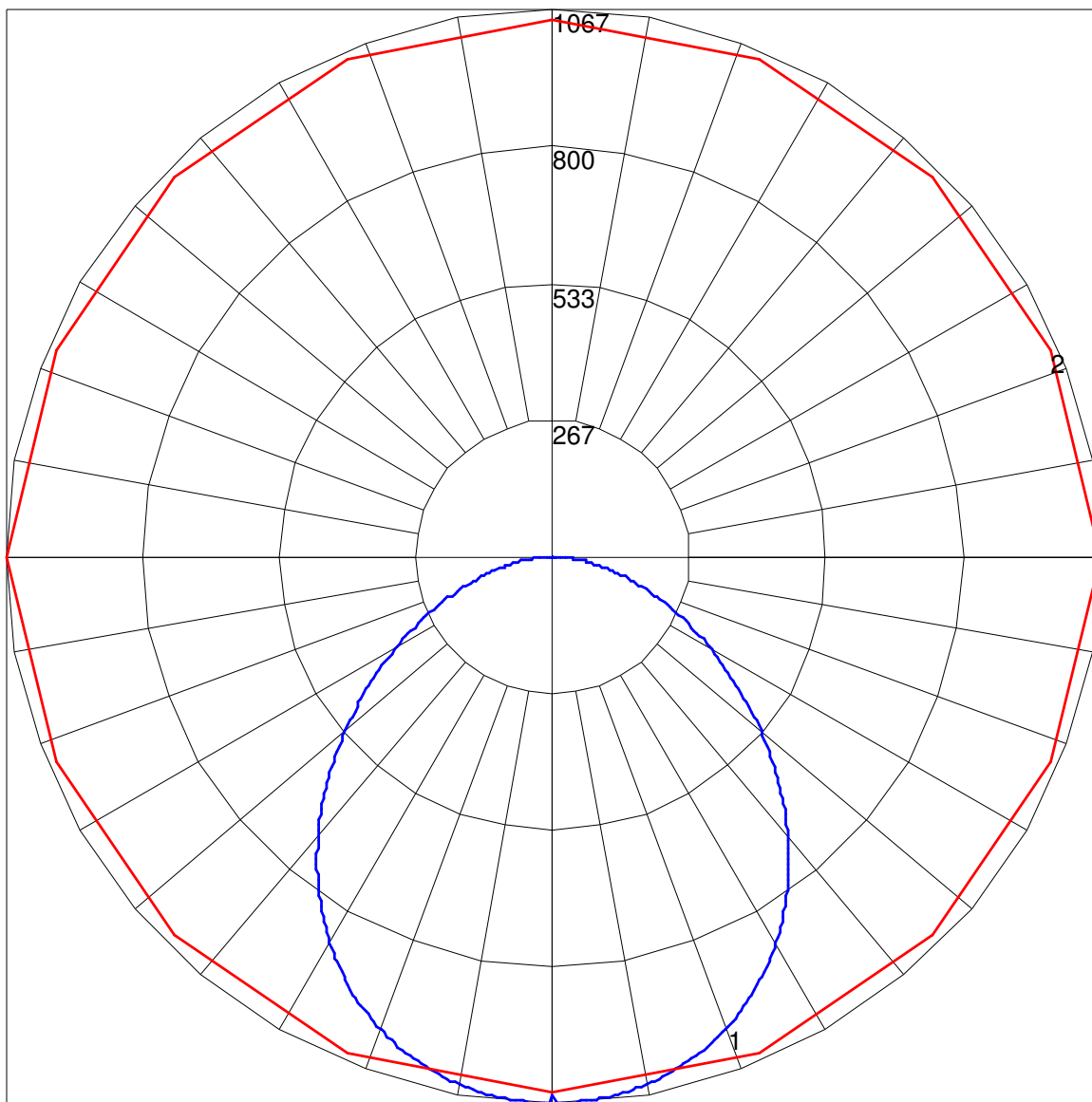
4H	2H	18.3	19.6	18.7	19.9	20.3	16.7	18.0	17.1	18.4	18.7
	3H	20.1	21.2	20.5	21.6	22.0	18.5	19.6	18.9	20.0	20.4
	4H	20.8	21.8	21.2	22.2	22.6	19.2	20.2	19.6	20.6	21.0
	6H	21.3	22.2	21.8	22.6	23.1	19.8	20.7	20.3	21.1	21.6
	8H	21.5	22.3	22.0	22.7	23.2	20.0	20.8	20.5	21.3	21.7
	12H	21.6	22.3	22.1	22.8	23.3	20.2	20.9	20.7	21.4	21.9

8H	4H	21.0	21.7	21.4	22.2	22.7	19.5	20.3	20.0	20.8	21.3
	6H	21.6	22.3	22.1	22.7	23.2	20.3	20.9	20.8	21.4	21.9
	8H	21.8	22.4	22.3	22.9	23.4	20.6	21.2	21.1	21.7	22.1
	12H	22.0	22.6	22.5	23.1	23.6	20.8	21.3	21.3	21.8	22.4

12H	4H	20.9	21.7	21.4	22.1	22.6	19.6	20.3	20.0	20.8	21.2
	6H	21.6	22.2	22.1	22.7	23.2	20.3	20.9	20.9	21.4	21.9
	8H	21.9	22.4	22.4	22.9	23.5	20.7	21.2	21.2	21.7	22.3

Maximum UGR = 23.6

POLAR GRAPH



Maximum Candela = 1066.798 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.)