



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-8-L12-835-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.02

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 1-SEP-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] LRX4-8-L12-835-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_SOURCE] 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	9769
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	82.8
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)	7.94 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	14013	11850	10232
55	12144	9803	8411
65	10227	8160	7198
75	8153	6756	6309
85	6031	5706	5736

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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	4369.016	4369.016	4369.016	4369.016	4369.016
0.5	4432.821	4370.695	4348.866	4363.978	4348.866
1.0	4432.821	4369.016	4348.866	4363.978	4348.866
1.5	4431.142	4369.016	4347.187	4363.978	4347.187
2.0	4431.142	4367.336	4345.508	4362.299	4345.508
2.5	4427.784	4363.978	4343.829	4360.620	4343.829
3.0	4426.105	4362.299	4342.150	4358.941	4340.471
3.5	4422.747	4358.941	4338.792	4355.583	4337.113
4.0	4421.068	4355.583	4335.434	4352.225	4333.754
4.5	4416.030	4350.545	4332.075	4348.866	4330.396
5.0	4410.993	4347.187	4327.038	4345.508	4323.680
5.5	4407.635	4342.150	4322.001	4338.792	4318.643
6.0	4404.277	4337.113	4316.963	4333.754	4313.605
6.5	4397.560	4332.075	4311.926	4327.038	4305.210
7.0	4392.523	4325.359	4305.210	4318.643	4298.493
7.5	4387.486	4318.643	4298.493	4311.926	4291.777
8.0	4380.769	4313.605	4290.098	4303.531	4285.061
8.5	4374.053	4305.210	4283.381	4293.456	4274.986
9.0	4365.657	4298.493	4273.307	4283.381	4264.911
9.5	4358.941	4290.098	4264.911	4273.307	4254.837
10.0	4350.545	4281.702	4254.837	4263.232	4243.083
10.5	4342.150	4271.628	4244.762	4249.799	4229.650
11.0	4333.754	4263.232	4233.008	4238.046	4216.217
11.5	4323.680	4253.158	4221.255	4224.613	4201.106
12.0	4313.605	4241.404	4209.501	4209.501	4187.673
12.5	4303.531	4231.329	4196.068	4196.068	4170.882
13.0	4291.777	4219.576	4184.315	4180.956	4155.770
13.5	4281.702	4207.822	4169.203	4164.165	4138.979
14.0	4268.270	4194.389	4155.770	4147.374	4122.188
14.5	4256.516	4180.956	4140.658	4128.904	4105.397
15.0	4243.083	4167.524	4123.867	4112.113	4085.248
15.5	4229.650	4154.091	4107.076	4093.643	4066.778
16.0	4214.538	4138.979	4090.285	4073.494	4046.629
16.5	4199.427	4123.867	4073.494	4053.345	4024.800
17.0	4185.994	4108.755	4055.024	4031.517	4002.972
17.5	4169.203	4091.964	4036.554	4009.688	3979.465
18.0	4154.091	4075.173	4016.405	3986.181	3954.278
18.5	4137.300	4058.382	3996.256	3962.674	3929.092
19.0	4120.509	4039.912	3976.106	3935.808	3902.226
19.5	4103.718	4021.442	3954.278	3908.942	3872.002
20.0	4086.927	4002.972	3930.771	3882.077	3843.458
20.5	4068.457	3982.823	3908.942	3853.532	3813.234
21.0	4049.987	3964.353	3883.756	3823.308	3781.331
21.5	4029.838	3944.203	3860.249	3793.085	3751.107
22.0	4009.688	3922.375	3835.062	3761.182	3715.846
22.5	3989.539	3900.547	3808.196	3729.279	3683.943
23.0	3969.390	3878.719	3783.010	3695.697	3648.682
23.5	3947.562	3855.211	3754.465	3663.794	3613.421
24.0	3925.733	3833.383	3727.600	3630.212	3578.160
24.5	3902.226	3808.196	3697.376	3596.630	3541.220
25.0	3878.719	3784.689	3668.831	3561.369	3504.280
25.5	3853.532	3759.503	3638.607	3526.108	3467.339
26.0	3830.025	3732.637	3608.384	3490.847	3430.399
26.5	3804.838	3707.451	3578.160	3457.265	3391.780

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CANDELA TABULATION - (Cont.)

27.0	3779.652	3680.585	3546.257	3420.325	3353.161
27.5	3754.465	3653.719	3514.354	3383.384	3312.862
28.0	3727.600	3625.175	3482.451	3346.444	3275.922
28.5	3700.734	3596.630	3450.548	3307.825	3235.624
29.0	3675.548	3568.085	3416.966	3269.206	3197.004
29.5	3647.003	3537.862	3383.384	3230.586	3156.706
30.0	3620.137	3509.317	3348.123	3190.288	3116.408
30.5	3589.914	3479.093	3312.862	3151.669	3074.430
31.0	3561.369	3447.190	3277.601	3109.691	3034.132
31.5	3532.824	3416.966	3242.340	3069.393	2992.154
32.0	3502.600	3385.064	3205.400	3027.415	2950.177
32.5	3472.377	3353.161	3168.460	2985.438	2908.199
33.0	3442.153	3321.258	3129.840	2945.140	2866.222
33.5	3410.250	3287.676	3092.900	2903.162	2822.565
34.0	3378.347	3255.773	3054.281	2859.506	2780.588
34.5	3346.444	3220.512	3013.983	2817.528	2736.931
35.0	3312.862	3186.930	2975.363	2775.551	2694.954
35.5	3279.280	3151.669	2936.744	2733.573	2652.976
36.0	3245.698	3118.087	2896.446	2691.596	2612.678
36.5	3210.437	3082.826	2857.826	2651.297	2570.701
37.0	3176.855	3045.886	2817.528	2609.320	2532.081
37.5	3141.594	3008.945	2777.230	2570.701	2490.104
38.0	3106.333	2973.684	2736.931	2530.402	2448.126
38.5	3071.072	2936.744	2698.312	2490.104	2406.149
39.0	3035.811	2899.804	2658.014	2449.805	2364.171
39.5	2998.871	2862.864	2617.715	2411.186	2322.194
40.0	2961.931	2824.244	2579.096	2370.888	2280.216
40.5	2926.669	2787.304	2538.798	2330.589	2238.239
41.0	2889.729	2748.685	2498.499	2288.612	2197.941
41.5	2852.789	2711.745	2459.880	2246.634	2157.642
42.0	2814.170	2674.805	2419.582	2206.336	2117.344
42.5	2778.909	2636.185	2380.962	2164.359	2078.725
43.0	2741.969	2597.566	2342.343	2124.060	2036.747
43.5	2703.349	2560.626	2302.045	2085.441	1999.807
44.0	2666.409	2522.007	2263.425	2046.822	1962.867
44.5	2627.790	2483.387	2224.806	2006.523	1925.927
45.0	2589.171	2446.447	2189.545	1967.904	1890.665
45.5	2552.230	2407.828	2152.605	1930.964	1853.725
46.0	2511.932	2369.209	2115.665	1894.024	1820.143
46.5	2473.313	2330.589	2078.725	1857.083	1784.882
47.0	2434.693	2291.970	2041.784	1821.822	1751.300
47.5	2396.074	2253.351	2004.844	1786.561	1717.718
48.0	2357.455	2214.732	1969.583	1752.979	1684.136
48.5	2317.157	2176.112	1930.964	1719.397	1651.898
49.0	2278.537	2137.493	1892.345	1685.815	1619.491
49.5	2238.239	2098.874	1855.404	1653.577	1587.420
50.0	2199.620	2060.254	1816.785	1620.163	1555.349
50.5	2161.000	2021.635	1781.524	1587.420	1523.614
51.0	2122.381	1984.695	1744.584	1555.853	1493.559
51.5	2083.762	1946.076	1707.644	1524.622	1462.999
52.0	2045.143	1907.456	1672.215	1493.055	1432.775
52.5	2006.523	1870.516	1636.114	1461.488	1403.559
53.0	1967.904	1833.576	1601.021	1431.600	1373.503
53.5	1930.964	1796.636	1566.935	1402.719	1343.615
54.0	1894.024	1761.375	1533.521	1372.328	1315.070
54.5	1855.404	1726.114	1501.114	1342.775	1287.197

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55.0	1820.143	1689.174	1469.212	1313.559	1260.668
55.5	1783.203	1654.752	1437.812	1284.343	1233.634
56.0	1746.263	1619.995	1406.413	1255.966	1207.104
56.5	1709.323	1585.741	1375.686	1228.261	1181.414
57.0	1673.726	1551.320	1344.958	1201.395	1155.892
57.5	1638.129	1517.402	1314.734	1175.033	1131.041
58.0	1602.196	1484.156	1285.854	1149.175	1106.526
58.5	1567.439	1451.245	1256.806	1123.317	1082.347
59.0	1532.010	1417.831	1226.918	1097.795	1058.336
59.5	1497.420	1385.425	1197.533	1072.944	1034.997
60.0	1462.327	1353.857	1168.989	1048.261	1011.489
60.5	1428.074	1323.130	1140.780	1023.915	988.486
61.0	1393.148	1293.074	1112.571	1000.071	965.650
61.5	1359.063	1264.026	1085.202	976.396	942.814
62.0	1325.649	1234.977	1057.329	953.057	920.482
62.5	1292.738	1206.265	1029.791	929.885	898.318
63.0	1259.324	1177.888	1002.926	907.049	876.658
63.5	1226.582	1149.175	976.732	884.717	855.837
64.0	1194.175	1118.952	951.042	862.889	835.016
64.5	1161.433	1087.384	926.023	841.396	814.867
65.0	1129.362	1056.153	901.172	820.240	794.885
65.5	1097.459	1025.090	876.322	799.251	775.072
66.0	1065.724	995.202	851.807	778.262	755.595
66.5	1034.829	964.978	827.628	757.609	736.453
67.0	1004.101	934.754	803.785	736.957	717.143
67.5	973.709	904.866	780.445	716.639	698.169
68.0	943.486	875.650	757.106	696.154	678.356
68.5	913.262	846.770	733.766	675.669	659.046
69.0	883.206	819.232	710.427	655.184	639.905
69.5	853.150	792.871	687.591	634.867	620.595
70.0	823.430	766.677	664.923	615.054	601.621
70.5	794.214	740.651	642.591	595.576	583.151
71.0	765.501	715.296	620.595	576.435	565.017
71.5	737.292	689.438	598.935	557.461	546.883
72.0	709.419	663.412	577.442	538.655	529.252
72.5	681.882	637.218	556.453	520.353	511.454
73.0	654.849	612.032	535.633	502.219	493.991
73.5	628.319	587.349	515.315	484.420	476.864
74.0	601.957	562.666	495.670	466.957	459.905
74.5	576.435	538.319	476.192	449.663	443.450
75.0	551.416	514.476	456.883	432.536	426.659
75.5	526.230	491.472	437.573	415.577	410.036
76.0	502.051	469.140	418.599	398.786	393.749
76.5	478.207	447.144	399.961	382.331	377.797
77.0	454.868	425.652	381.995	366.044	361.846
77.5	432.200	404.327	364.197	349.924	346.062
78.0	409.532	383.674	346.566	333.973	330.447
78.5	387.368	363.357	329.271	318.021	314.999
79.0	365.708	343.208	312.312	302.406	299.719
79.5	344.047	323.562	295.857	286.790	284.607
80.0	323.059	304.421	279.738	271.510	269.663
80.5	302.574	285.783	263.786	256.398	254.887
81.0	282.592	267.313	248.171	241.622	240.447
81.5	262.947	249.346	232.555	226.846	225.839
82.0	243.469	231.716	217.275	212.070	211.399
82.5	224.328	214.253	202.164	197.630	197.294

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CANDELA TABULATION - (Cont.)

83.0	206.025	197.462	187.387	183.358	183.358
83.5	188.395	181.007	172.779	169.589	169.925
84.0	170.932	165.055	158.339	156.156	156.660
84.5	154.141	149.440	143.899	142.723	143.731
85.0	137.350	133.992	129.962	129.626	130.634
85.5	120.895	119.048	116.026	116.697	118.041
86.0	104.944	104.440	102.593	104.104	105.447
86.5	89.496	90.168	89.328	91.679	93.022
87.0	74.552	76.063	76.399	79.253	80.765
87.5	60.112	62.630	63.806	66.996	68.507
88.0	46.175	49.198	51.213	54.739	55.914
88.5	33.078	36.269	38.619	41.810	41.810
89.0	21.157	24.011	25.186	26.530	26.698
89.5	10.914	13.265	15.280	16.623	17.127
90.0	5.037	6.884	6.884	6.548	7.052
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 : LRX4-8-L12-835-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 : LRX4-8-L12-835-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 : LRX4-8-L12-835-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1578.71	N.A.	16.20
0-30	3267.83	N.A.	33.50
0-40	5131.79	N.A.	52.50
0-60	8187.28	N.A.	83.80
0-80	9619.95	N.A.	98.50
0-90	9768.44	N.A.	100.00
10-90	9355.81	N.A.	95.80
20-40	3553.08	N.A.	36.40
20-50	5259.79	N.A.	53.80
40-70	3983.52	N.A.	40.80
60-80	1432.68	N.A.	14.70
70-80	504.64	N.A.	5.20
80-90	148.49	N.A.	1.50
90-110	0.18	N.A.	0.00
90-120	0.18	N.A.	0.00
90-130	0.18	N.A.	0.00
90-150	0.18	N.A.	0.00
90-180	0.18	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9768.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	412.63
10-20	1166.08
20-30	1689.13
30-40	1863.96
40-50	1706.71
50-60	1348.78
60-70	928.03
70-80	504.64
80-90	148.49
90-100	0.18
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 : LRX4-8-L12-835-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	97	97	97	97	94	94	94	94	90	90	90	86	86	86	83	83	83	81
1	89	85	82	79	87	84	81	78	80	78	76	77	75	73	74	73	71	69
2	82	75	70	66	79	74	69	65	71	67	64	68	65	62	66	63	61	59
3	75	67	61	56	73	66	60	55	63	58	54	61	57	53	59	56	52	51
4	69	60	53	48	67	59	53	48	57	51	47	55	50	46	53	49	46	44
5	64	54	47	42	62	53	47	42	51	46	41	50	45	41	48	44	40	39
6	59	49	42	37	58	48	42	37	47	41	37	45	40	36	44	40	36	34
7	55	45	38	33	54	44	37	33	43	37	33	42	36	32	40	36	32	31
8	51	41	34	30	50	40	34	30	39	34	29	38	33	29	37	33	29	28
9	48	38	31	27	47	37	31	27	36	31	27	35	30	27	35	30	27	25
10	45	35	29	25	44	34	29	25	34	28	24	33	28	24	32	28	24	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX4-8-L12-835-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	21.2	22.7	21.6	23.1	23.4	19.3	20.8	19.6	21.1	21.5
	3H	22.8	24.2	23.2	24.5	24.9	20.9	22.3	21.2	22.6	22.9
	4H	23.3	24.6	23.7	25.0	25.4	21.5	22.8	21.9	23.1	23.5
	6H	23.8	25.0	24.2	25.3	25.7	22.0	23.2	22.4	23.5	23.9
	8H	23.9	25.0	24.3	25.4	25.8	22.1	23.3	22.5	23.7	24.1
	12H	24.0	25.1	24.4	25.4	25.9	22.2	23.3	22.7	23.7	24.2

UGR Viewed Endwise

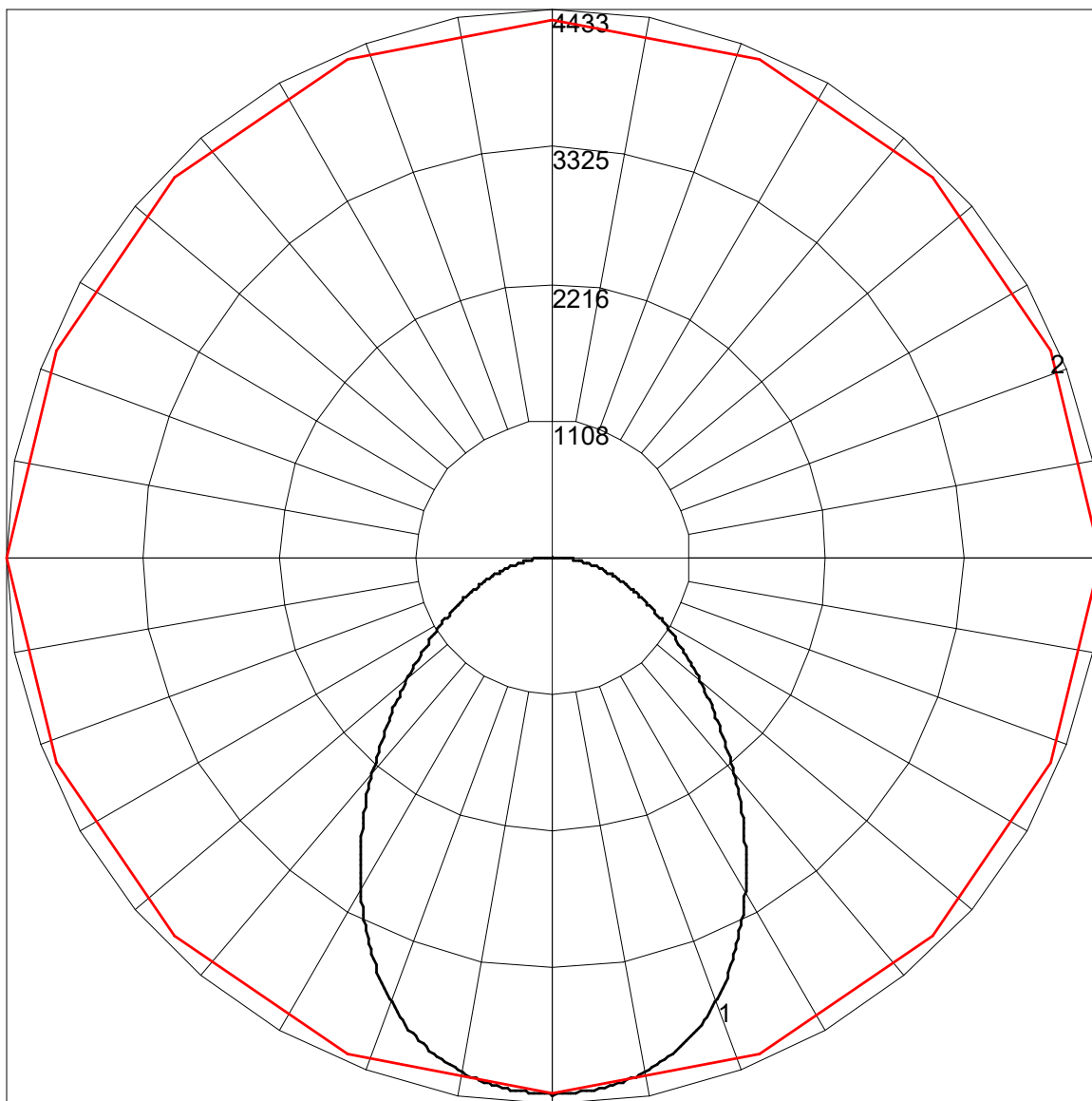
4H	2H	21.6	22.8	21.9	23.2	23.6	20.0	21.3	20.4	21.6	22.0
	3H	23.3	24.4	23.8	24.8	25.2	21.8	22.8	22.2	23.2	23.6
	4H	24.0	25.0	24.5	25.4	25.9	22.5	23.5	22.9	23.9	24.3
	6H	24.6	25.4	25.0	25.9	26.3	23.1	23.9	23.5	24.4	24.8
	8H	24.8	25.6	25.2	26.0	26.5	23.3	24.1	23.8	24.5	25.0
	12H	24.9	25.6	25.4	26.1	26.5	23.5	24.2	23.9	24.7	25.1

8H	4H	24.2	25.0	24.7	25.5	25.9	22.8	23.6	23.3	24.0	24.5
	6H	24.9	25.5	25.4	26.0	26.5	23.5	24.2	24.0	24.7	25.2
	8H	25.1	25.7	25.6	26.2	26.7	23.8	24.4	24.3	24.9	25.4
	12H	25.3	25.8	25.8	26.3	26.9	24.1	24.6	24.6	25.1	25.7

12H	4H	24.2	24.9	24.7	25.4	25.9	22.8	23.6	23.3	24.0	24.5
	6H	24.9	25.5	25.4	26.0	26.5	23.6	24.2	24.1	24.7	25.2
	8H	25.2	25.7	25.7	26.2	26.8	23.9	24.5	24.4	25.0	25.5

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 4432.821 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.)