



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX5-2-L20-835-S-DMA-DRV-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13638856.04

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 2-SEP-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] LRX5-2-L20-835-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_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	4012
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	32.7
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)	1.94 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	18609	16314	14923
55	16165	13818	12518
65	13634	11616	10545
75	10859	9454	8743
85	7867	7254	7057

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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	1755.966	1755.966	1755.966	1755.966	1755.966
0.5	1778.365	1756.487	1748.673	1754.403	1750.757
1.0	1778.365	1755.966	1748.152	1754.403	1750.236
1.5	1777.323	1755.445	1748.152	1753.882	1749.715
2.0	1776.802	1754.924	1747.111	1753.361	1749.194
2.5	1775.760	1753.882	1746.069	1752.320	1748.152
3.0	1774.719	1752.841	1745.027	1751.278	1746.590
3.5	1773.677	1751.799	1743.985	1750.236	1745.548
4.0	1772.635	1750.236	1742.422	1748.673	1743.464
4.5	1771.072	1748.673	1740.860	1746.590	1741.381
5.0	1769.509	1746.590	1738.776	1744.506	1738.776
5.5	1767.426	1745.027	1736.693	1741.902	1736.172
6.0	1765.342	1742.943	1734.088	1739.297	1733.046
6.5	1763.780	1740.339	1731.484	1736.172	1729.921
7.0	1761.175	1737.734	1728.879	1733.046	1726.795
7.5	1758.571	1735.130	1725.754	1729.400	1723.149
8.0	1755.966	1732.525	1722.628	1725.754	1719.503
8.5	1753.361	1729.400	1718.982	1721.586	1715.336
9.0	1750.236	1726.274	1715.336	1716.898	1710.647
9.5	1747.111	1723.149	1711.168	1712.210	1705.959
10.0	1743.985	1719.503	1707.001	1707.522	1700.750
10.5	1740.339	1715.856	1702.313	1702.313	1695.020
11.0	1736.693	1711.689	1697.625	1696.583	1689.290
11.5	1733.046	1707.522	1692.937	1690.853	1683.039
12.0	1728.879	1703.355	1687.207	1685.123	1676.268
12.5	1724.712	1698.667	1681.998	1678.351	1670.017
13.0	1720.024	1693.978	1676.268	1672.101	1662.724
13.5	1715.336	1688.769	1670.538	1665.329	1655.953
14.0	1710.647	1683.560	1664.808	1658.036	1648.660
14.5	1705.438	1678.351	1658.557	1650.743	1640.846
15.0	1700.229	1672.621	1651.785	1643.451	1633.033
15.5	1695.020	1666.891	1645.014	1635.637	1625.219
16.0	1689.290	1660.641	1637.721	1627.303	1616.885
16.5	1683.039	1654.390	1630.428	1618.968	1608.029
17.0	1676.789	1648.139	1622.615	1610.634	1598.653
17.5	1670.538	1641.367	1614.801	1601.779	1589.277
18.0	1664.287	1634.595	1606.988	1592.402	1579.380
18.5	1657.515	1627.303	1598.653	1582.505	1569.483
19.0	1650.743	1620.010	1589.798	1572.608	1559.064
19.5	1643.972	1612.718	1580.942	1562.190	1548.125
20.0	1636.679	1604.904	1572.087	1551.251	1536.666
20.5	1629.386	1597.090	1562.711	1540.312	1525.206
21.0	1621.573	1589.277	1553.334	1528.852	1513.225
21.5	1613.759	1580.942	1543.958	1516.871	1501.244
22.0	1605.425	1572.608	1533.540	1504.890	1489.263
22.5	1597.611	1563.753	1523.643	1492.910	1477.283
23.0	1588.756	1554.897	1513.225	1480.929	1464.781
23.5	1580.421	1545.521	1502.286	1468.427	1451.758
24.0	1571.566	1536.145	1491.347	1455.926	1439.257
24.5	1562.711	1526.248	1480.408	1443.424	1426.234
25.0	1552.814	1516.350	1468.948	1430.922	1413.211
25.5	1543.437	1506.453	1457.488	1418.420	1399.668
26.0	1534.061	1496.035	1445.507	1405.919	1386.124
26.5	1524.164	1485.617	1433.527	1392.896	1373.102

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CANDELA TABULATION - (Cont.)

27.0	1513.746	1475.199	1421.546	1379.874	1360.079
27.5	1503.328	1464.260	1409.565	1366.851	1346.536
28.0	1492.910	1452.800	1397.063	1353.828	1332.992
28.5	1481.971	1441.340	1384.562	1340.285	1319.449
29.0	1471.032	1429.880	1372.060	1326.741	1305.905
29.5	1460.093	1418.420	1359.037	1313.198	1292.362
30.0	1448.633	1406.440	1346.015	1299.134	1278.297
30.5	1437.173	1394.459	1332.992	1285.069	1264.754
31.0	1425.713	1382.478	1319.970	1271.005	1250.169
31.5	1413.732	1370.497	1306.426	1256.940	1236.104
32.0	1401.752	1357.996	1292.883	1242.355	1221.519
32.5	1389.771	1345.494	1279.339	1227.770	1206.934
33.0	1377.269	1332.471	1265.275	1213.184	1191.827
33.5	1365.288	1319.449	1251.210	1198.078	1176.721
34.0	1352.266	1306.426	1237.146	1183.493	1161.615
34.5	1339.764	1292.883	1223.082	1168.387	1146.509
35.0	1326.741	1279.860	1208.496	1153.801	1131.403
35.5	1313.719	1265.796	1193.911	1138.695	1116.296
36.0	1300.175	1252.252	1179.326	1123.589	1101.190
36.5	1286.632	1238.188	1164.740	1108.483	1086.084
37.0	1273.088	1223.603	1149.634	1093.377	1070.978
37.5	1259.024	1209.538	1135.049	1078.270	1055.872
38.0	1245.480	1195.474	1119.943	1063.164	1040.765
38.5	1230.895	1180.888	1104.837	1047.537	1025.659
39.0	1216.831	1166.303	1090.251	1032.952	1010.553
39.5	1202.245	1151.197	1075.145	1017.846	995.968
40.0	1187.660	1136.612	1060.039	1002.739	980.861
40.5	1173.075	1122.026	1044.933	987.633	965.755
41.0	1158.490	1106.920	1030.347	972.527	951.170
41.5	1143.904	1092.335	1015.241	957.421	936.064
42.0	1128.798	1077.229	1000.656	942.315	920.958
42.5	1113.692	1062.643	985.550	927.208	906.372
43.0	1099.107	1047.537	970.443	912.623	891.266
43.5	1084.000	1032.431	955.337	897.517	876.681
44.0	1068.894	1017.846	940.231	882.932	861.575
44.5	1053.788	1002.739	925.125	868.346	846.989
45.0	1038.682	987.633	910.539	853.761	832.925
45.5	1023.576	972.527	895.433	839.697	818.340
46.0	1007.948	956.900	880.327	825.111	804.275
46.5	992.842	941.794	865.742	810.526	790.211
47.0	977.736	926.167	851.156	796.462	776.146
47.5	961.588	911.060	836.050	782.397	762.082
48.0	945.961	895.954	821.465	768.333	748.538
48.5	930.334	880.848	807.401	754.268	734.995
49.0	914.707	865.221	792.815	740.204	721.451
49.5	899.080	850.115	778.230	726.661	707.908
50.0	883.973	835.008	763.645	712.596	694.364
50.5	868.346	819.902	749.580	699.053	680.821
51.0	853.240	804.796	734.995	685.509	667.798
51.5	837.613	789.690	720.931	671.966	654.776
52.0	822.507	775.105	706.866	658.943	641.753
52.5	806.880	760.519	692.802	645.400	628.731
53.0	791.773	745.413	679.258	632.377	616.229
53.5	776.667	730.828	665.715	619.875	603.727
54.0	761.561	716.763	652.171	606.853	591.226
54.5	746.455	702.178	638.628	594.351	578.724

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CANDELA TABULATION - (Cont.)

55.0	731.870	688.114	625.605	582.370	566.743
55.5	717.284	674.570	612.062	569.869	554.241
56.0	702.178	659.985	599.039	557.888	542.782
56.5	687.593	646.441	586.537	545.907	530.801
57.0	673.528	632.377	573.515	533.926	519.133
57.5	658.943	618.833	561.013	522.466	508.037
58.0	644.879	605.290	548.511	510.902	496.942
58.5	630.293	591.746	536.010	499.494	485.899
59.0	616.229	578.724	524.029	488.191	474.908
59.5	602.685	565.701	511.788	476.887	463.917
60.0	588.621	552.679	499.703	465.636	453.186
60.5	575.078	539.656	487.878	454.749	442.560
61.0	561.534	526.634	476.262	443.758	432.142
61.5	547.991	513.871	464.750	433.027	421.724
62.0	534.447	501.213	453.238	422.244	411.358
62.5	520.904	488.660	441.935	411.670	400.992
63.0	507.621	476.314	430.735	401.148	390.834
63.5	494.285	463.865	419.692	390.834	380.676
64.0	481.002	451.623	408.909	380.781	370.883
64.5	467.928	439.643	398.127	370.831	361.247
65.0	454.801	427.558	387.500	361.038	351.766
65.5	441.935	415.525	376.874	351.349	342.338
66.0	429.172	403.700	366.299	341.817	333.014
66.5	416.358	391.876	355.829	332.336	323.794
67.0	403.857	380.312	345.463	322.960	314.730
67.5	391.459	368.696	335.254	313.688	305.875
68.0	378.905	357.340	325.096	304.364	296.863
68.5	366.612	345.932	314.990	295.040	287.851
69.0	354.527	334.681	304.937	285.716	278.788
69.5	342.546	323.533	294.675	276.391	269.776
70.0	330.878	312.438	284.726	267.224	260.869
70.5	319.366	301.551	274.985	258.212	252.065
71.0	307.958	290.768	265.348	249.304	243.418
71.5	296.707	280.194	255.868	240.501	234.875
72.0	285.559	269.672	246.387	231.854	226.489
72.5	274.464	259.410	237.063	223.259	218.207
73.0	263.681	249.200	228.000	214.821	210.028
73.5	252.951	239.303	219.144	206.538	202.006
74.0	242.376	229.562	210.393	198.412	194.141
74.5	232.063	219.978	201.746	190.390	186.327
75.0	221.853	210.497	193.151	182.473	178.618
75.5	211.799	201.121	184.660	174.659	170.961
76.0	201.902	191.901	176.326	166.950	163.512
76.5	192.161	182.837	168.148	159.396	156.115
77.0	182.577	173.982	160.126	151.948	148.926
77.5	173.148	165.283	152.208	144.707	141.790
78.0	163.928	156.636	144.447	137.519	134.654
78.5	154.813	148.145	136.737	130.330	127.673
79.0	145.905	139.758	129.184	123.246	120.798
79.5	137.206	131.476	121.683	116.318	114.026
80.0	128.767	123.506	114.390	109.598	107.515
80.5	120.589	115.641	107.358	102.983	101.107
81.0	112.619	107.983	100.430	96.471	94.752
81.5	104.754	100.482	93.606	90.116	88.606
82.0	97.044	93.085	86.939	83.813	82.459
82.5	89.387	85.897	80.375	77.667	76.469

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CANDELA TABULATION - (Cont.)

83.0	81.990	78.865	74.020	71.728	70.582
83.5	74.802	72.041	67.770	65.842	64.905
84.0	67.717	65.425	61.675	60.060	59.331
84.5	60.842	58.914	55.737	54.382	53.914
85.0	54.122	52.559	49.903	48.809	48.548
85.5	47.558	46.308	44.121	43.339	43.339
86.0	41.203	40.266	38.495	38.078	38.286
86.5	35.057	34.484	33.129	32.973	33.390
87.0	29.171	28.910	27.920	28.025	28.650
87.5	23.441	23.545	22.816	23.284	24.066
88.0	17.971	18.336	17.971	18.700	19.378
88.5	12.918	13.387	13.127	13.387	13.439
89.0	8.647	8.960	8.907	9.220	9.897
89.5	5.886	5.469	5.730	6.824	7.605
90.0	3.490	2.813	3.178	4.115	4.636
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 : LRX5-2-L20-835-S-DMA-DRV-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 : LRX5-2-L20-835-S-DMA-DRV-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 : LRX5-2-L20-835-S-DMA-DRV-UNV.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	632.59	N.A.	15.80
0-30	1310.71	N.A.	32.70
0-40	2070.85	N.A.	51.60
0-60	3352.01	N.A.	83.60
0-80	3953.78	N.A.	98.60
0-90	4011.83	N.A.	100.00
10-90	3846.17	N.A.	95.90
20-40	1438.26	N.A.	35.80
20-50	2149.16	N.A.	53.60
40-70	1673.35	N.A.	41.70
60-80	601.76	N.A.	15.00
70-80	209.59	N.A.	5.20
80-90	58.05	N.A.	1.40
90-110	0.10	N.A.	0.00
90-120	0.10	N.A.	0.00
90-130	0.10	N.A.	0.00
90-150	0.10	N.A.	0.00
90-180	0.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4011.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	165.66
10-20	466.93
20-30	678.12
30-40	760.13
40-50	710.90
50-60	570.27
60-70	392.18
70-80	209.59
80-90	58.05
90-100	0.10
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 : LRX5-2-L20-835-S-DMA-DRV-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	60	60	60	60	58	58	58	58	56	56	56	53	53	53	51	51	51	50
1	55	53	51	49	53	51	50	48	49	48	47	47	46	45	46	45	44	43
2	50	46	43	41	49	45	42	40	44	41	39	42	40	38	41	39	37	36
3	46	41	37	34	45	40	37	34	39	36	33	38	35	33	36	34	32	31
4	42	37	33	29	41	36	32	29	35	31	29	34	31	28	33	30	28	27
5	39	33	29	26	38	32	28	25	31	28	25	30	27	25	30	27	25	24
6	36	30	26	23	35	29	25	22	29	25	22	28	25	22	27	24	22	21
7	34	27	23	20	33	27	23	20	26	23	20	25	22	20	25	22	20	19
8	32	25	21	18	31	25	21	18	24	20	18	23	20	18	23	20	18	17
9	30	23	19	16	29	23	19	16	22	19	16	22	18	16	21	18	16	15
10	28	21	18	15	27	21	17	15	21	17	15	20	17	15	20	17	15	14

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX5-2-L20-835-S-DMA-DRV-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	21.3	22.9	21.7	23.2	23.5	20.0	21.6	20.4	21.9	22.2
	3H	22.9	24.3	23.3	24.6	25.0	21.6	23.0	21.9	23.3	23.6
	4H	23.4	24.8	23.8	25.1	25.5	22.1	23.4	22.5	23.8	24.1
	6H	23.8	25.0	24.2	25.4	25.8	22.5	23.7	22.9	24.1	24.5
	8H	24.0	25.1	24.4	25.5	25.9	22.7	23.8	23.1	24.2	24.6
	12H	24.0	25.1	24.5	25.5	26.0	22.7	23.8	23.2	24.2	24.7

UGR Viewed Endwise

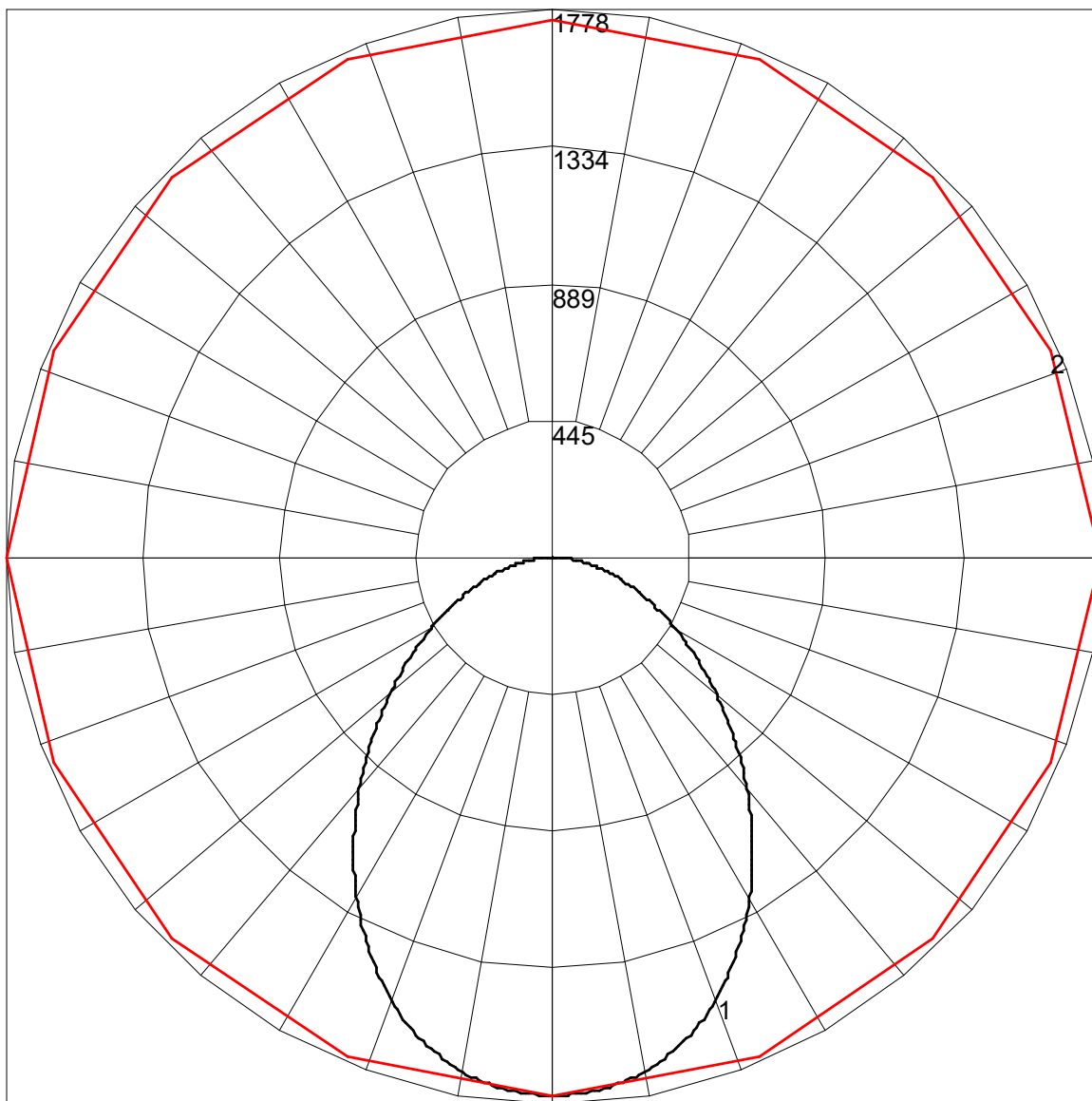
4H	2H	21.7	23.0	22.1	23.4	23.8	20.7	22.0	21.1	22.3	22.7
	3H	23.5	24.6	23.9	25.0	25.4	22.4	23.5	22.8	23.9	24.3
	4H	24.2	25.2	24.6	25.6	26.0	23.1	24.0	23.5	24.5	24.9
	6H	24.7	25.6	25.2	26.0	26.5	23.6	24.4	24.0	24.9	25.3
	8H	24.9	25.7	25.3	26.1	26.6	23.8	24.6	24.2	25.0	25.5
	12H	25.0	25.7	25.5	26.2	26.7	23.9	24.6	24.4	25.1	25.6

8H	4H	24.4	25.2	24.8	25.6	26.1	23.4	24.2	23.8	24.6	25.1
	6H	25.0	25.7	25.5	26.2	26.6	24.0	24.7	24.5	25.2	25.6
	8H	25.2	25.8	25.8	26.3	26.8	24.3	24.8	24.8	25.4	25.8
	12H	25.4	26.0	25.9	26.4	27.0	24.4	25.0	25.0	25.5	26.0

12H	4H	24.4	25.1	24.9	25.6	26.1	23.4	24.1	23.9	24.6	25.1
	6H	25.0	25.6	25.6	26.1	26.6	24.1	24.7	24.6	25.1	25.7
	8H	25.3	25.8	25.8	26.3	26.9	24.3	24.9	24.9	25.4	25.9

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 1778.365 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.)