

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FRM-22-L25-950-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GENERATED FROM 15746385.02  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 2025-05-02  
[TEST DATE] 3/20/2025  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] FRM-22-L25-950-DMA-DIM-UNV  
[LUMINAIRE] Recessed 2 x 2 narrow aperture LED luminaire  
[MORE] with center frame driver housing  
[LAMP] LED  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] INDOOR  
[\_SEARCH\_MOUNTING] RECESSED

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2196
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	25.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	1.00
Spacing Criterion (Diagonal)	1.06
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.90 ft
Luminous Width (90-270)	1.90 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2152	1865	2193
55	1896	1619	1925
65	1635	1384	1653
75	1334	1153	1368
85	933	705	933

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FRM-22-L25-950-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1178.713	1178.713	1178.713	1178.713	1178.713
0.5	1174.210	1179.275	1181.245	1178.994	1174.210
1.0	1173.366	1178.713	1180.401	1178.713	1173.366
1.5	1172.522	1177.587	1179.557	1177.587	1172.522
2.0	1171.115	1176.180	1178.150	1175.899	1170.834
2.5	1169.146	1174.492	1176.180	1174.210	1169.146
3.0	1167.176	1172.241	1173.929	1171.959	1167.176
3.5	1164.643	1169.427	1171.115	1169.427	1164.362
4.0	1161.548	1166.332	1168.020	1166.613	1161.830
4.5	1158.172	1162.955	1164.643	1163.236	1158.734
5.0	1154.232	1159.016	1160.985	1159.579	1155.076
5.5	1150.012	1154.795	1156.765	1155.921	1151.418
6.0	1145.791	1150.012	1152.263	1151.700	1147.479
6.5	1140.726	1145.228	1147.479	1146.916	1142.977
7.0	1135.380	1139.882	1142.133	1141.851	1138.193
7.5	1129.752	1134.254	1136.505	1136.787	1133.129
8.0	1124.124	1128.064	1130.596	1131.440	1128.064
8.5	1117.934	1121.873	1124.687	1125.531	1122.155
9.0	1111.462	1115.120	1118.215	1119.341	1116.527
9.5	1104.990	1108.648	1111.462	1113.150	1110.337
10.0	1098.237	1101.614	1104.427	1106.397	1103.865
10.5	1091.202	1094.298	1097.674	1099.644	1097.674
11.0	1083.887	1086.982	1090.077	1092.609	1091.484
11.5	1076.289	1079.103	1082.480	1085.012	1084.449
12.0	1068.692	1071.224	1074.320	1077.696	1077.415
12.5	1061.095	1063.064	1066.159	1070.099	1070.099
13.0	1052.653	1054.904	1057.999	1062.220	1062.783
13.5	1045.056	1046.463	1049.558	1054.341	1055.467
14.0	1036.896	1038.021	1040.835	1046.463	1047.870
14.5	1028.173	1029.298	1031.831	1038.021	1039.991
15.0	1019.450	1020.575	1022.545	1029.580	1032.112
15.5	1011.008	1011.571	1013.259	1021.138	1023.952
16.0	1002.286	1002.286	1003.692	1012.415	1015.792
16.5	993.281	993.281	994.407	1003.411	1007.350
17.0	984.277	983.714	984.277	994.125	998.628
17.5	975.273	974.147	974.429	985.121	990.467
18.0	965.987	964.580	964.299	975.554	981.745
18.5	956.702	954.732	954.169	965.987	972.740
19.0	947.416	944.602	943.758	956.420	963.736
19.5	938.130	934.754	933.347	946.572	954.450
20.0	928.845	924.624	922.936	936.442	945.446
20.5	918.996	914.213	912.243	926.594	936.161
21.0	909.429	904.083	901.269	916.464	927.156
21.5	899.581	893.953	890.295	906.334	917.589
22.0	890.014	883.823	879.603	895.923	907.741
22.5	880.728	873.412	868.629	885.793	898.455
23.0	870.880	863.001	857.936	875.382	888.888
23.5	861.594	852.871	846.962	865.252	879.321
24.0	852.590	842.741	836.270	855.122	869.754
24.5	843.023	832.330	825.296	844.711	860.469
25.0	833.737	822.201	814.322	834.300	851.183
25.5	824.452	812.071	803.348	823.889	841.897
26.0	815.166	802.222	792.655	814.040	833.174
26.5	806.162	792.374	781.963	803.911	823.607

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FRM-22-L25-950-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

27.0	797.157	782.526	771.270	794.062	814.885
27.5	788.153	772.677	760.578	784.214	805.880
28.0	779.712	763.110	749.885	774.365	796.876
28.5	770.707	753.543	739.474	764.517	788.153
29.0	762.266	743.976	729.063	754.669	779.430
29.5	753.543	734.690	718.370	744.820	770.426
30.0	744.820	725.123	707.959	735.253	761.703
30.5	736.379	715.838	697.548	725.686	752.980
31.0	727.937	706.552	687.137	716.119	744.539
31.5	719.496	697.267	677.007	706.552	735.816
32.0	710.773	688.262	666.877	697.267	727.375
32.5	702.331	679.258	657.029	687.700	718.933
33.0	694.171	669.972	646.899	678.133	710.210
33.5	685.730	661.250	637.051	668.847	701.769
34.0	677.570	651.964	627.202	659.561	693.046
34.5	669.410	643.241	617.635	649.994	684.886
35.0	661.531	634.237	608.068	640.709	676.444
35.5	653.371	625.514	598.501	631.704	667.721
36.0	645.492	616.791	589.216	622.700	659.561
36.5	637.613	608.068	579.930	613.696	651.401
37.0	629.735	599.627	570.644	604.692	642.960
37.5	621.856	591.185	561.640	595.687	634.518
38.0	614.259	583.025	552.917	587.246	626.358
38.5	606.661	574.865	544.194	578.523	618.198
39.0	598.783	566.424	535.471	570.082	610.319
39.5	591.467	558.263	527.030	561.640	602.441
40.0	583.869	550.385	518.588	553.199	594.562
40.5	575.991	542.506	510.428	544.757	586.683
41.0	568.393	534.627	502.268	536.597	578.804
41.5	561.077	526.749	494.390	528.718	571.207
42.0	553.480	519.433	486.229	520.558	563.610
42.5	545.883	511.554	478.351	512.961	556.012
43.0	538.285	504.238	470.753	505.082	548.415
43.5	530.969	496.641	463.156	497.485	540.818
44.0	523.653	489.325	455.559	489.887	533.220
44.5	516.337	482.009	448.243	482.009	525.623
45.0	508.740	474.693	440.927	474.411	518.307
45.5	501.424	467.095	433.611	467.095	510.710
46.0	494.108	460.061	426.295	459.498	503.112
46.5	486.511	452.745	419.260	451.901	495.796
47.0	479.195	445.429	412.226	444.303	487.918
47.5	471.598	438.113	405.191	436.987	480.602
48.0	464.282	430.797	398.438	429.672	473.004
48.5	457.247	423.762	391.685	422.356	465.407
49.0	449.931	416.447	384.932	415.040	458.091
49.5	442.615	409.412	378.460	407.724	450.212
50.0	435.299	402.096	371.707	400.408	442.897
50.5	427.983	395.061	365.235	393.092	435.299
51.0	420.667	388.027	359.044	386.057	427.983
51.5	413.351	380.711	352.854	379.023	420.386
52.0	406.317	373.958	346.664	371.988	413.070
52.5	399.001	366.923	340.473	364.953	405.754
53.0	391.966	360.170	334.283	357.919	398.157
53.5	384.650	353.135	328.092	351.166	390.841
54.0	377.334	346.664	322.183	344.413	383.525
54.5	370.581	339.910	316.274	337.659	376.209

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FRM-22-L25-950-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	363.547	333.157	310.365	330.906	369.174
55.5	356.512	326.685	304.738	324.434	362.421
56.0	349.477	320.214	298.829	317.963	355.386
56.5	342.443	313.742	292.919	311.209	348.071
57.0	335.690	307.551	287.292	304.738	341.317
57.5	328.655	301.080	281.383	298.547	334.283
58.0	321.902	294.608	275.671	292.357	327.248
58.5	315.149	288.417	270.043	285.885	320.214
59.0	308.114	282.227	264.387	279.751	313.179
59.5	301.361	275.868	258.731	273.392	306.426
60.0	294.608	269.537	252.963	267.032	299.391
60.5	288.136	263.177	247.307	260.757	292.638
61.0	281.946	256.874	241.736	254.511	285.885
61.5	275.389	250.684	236.024	248.236	279.272
62.0	269.143	244.719	230.340	242.130	272.744
62.5	262.840	238.838	224.572	235.968	266.385
63.0	256.537	233.041	218.634	230.030	259.773
63.5	250.149	227.104	212.669	224.318	253.216
64.0	243.734	221.223	206.901	218.325	246.632
64.5	237.431	215.427	201.217	212.500	240.020
65.0	231.015	209.630	195.505	206.873	233.491
65.5	224.375	203.918	189.933	201.217	227.160
66.0	218.015	198.234	184.278	195.814	220.801
66.5	211.544	192.578	178.622	190.355	214.189
67.0	205.494	186.979	173.135	184.925	208.139
67.5	199.416	181.436	167.760	179.691	202.005
68.0	193.366	176.033	162.696	174.457	196.011
68.5	187.288	170.687	157.884	169.139	190.046
69.0	181.379	165.369	153.297	163.990	184.334
69.5	175.724	160.163	148.767	158.925	178.678
70.0	169.899	155.014	144.237	153.973	172.853
70.5	164.243	149.808	139.735	149.048	167.141
71.0	158.587	144.659	135.204	144.237	161.598
71.5	152.960	139.622	130.646	139.369	156.139
72.0	147.388	134.670	126.172	134.557	150.540
72.5	141.929	129.717	121.726	129.830	145.053
73.0	136.471	124.850	117.337	125.131	139.594
73.5	131.124	119.953	112.947	120.376	134.248
74.0	125.834	115.142	108.586	115.620	129.070
74.5	120.573	110.274	104.168	110.893	123.668
75.0	115.395	105.462	99.750	106.222	118.378
75.5	110.190	100.651	95.445	101.551	113.060
76.0	105.068	95.811	91.084	96.824	107.798
76.5	100.060	91.027	86.778	92.040	102.536
77.0	94.995	86.300	82.445	87.229	97.330
77.5	89.958	81.545	78.224	82.642	92.125
78.0	84.978	77.014	74.060	78.168	87.032
78.5	80.025	72.597	69.867	73.694	82.051
79.0	75.101	68.151	65.731	69.417	76.930
79.5	70.289	63.705	61.623	65.112	72.006
80.0	65.534	59.400	57.487	60.807	67.110
80.5	60.863	55.207	53.463	56.558	62.298
81.0	56.361	51.043	49.467	52.365	57.655
81.5	52.084	46.963	45.612	48.257	53.125
82.0	47.835	42.995	41.701	44.233	48.764
82.5	43.924	39.225	37.818	40.350	44.599

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FRM-22-L25-950-DMA-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	40.210	35.736	33.878	36.608	40.660
83.5	36.805	32.528	30.080	33.062	36.917
84.0	33.513	29.573	26.506	29.798	33.485
84.5	30.305	26.788	23.242	26.760	30.277
85.0	27.182	24.171	20.541	23.946	27.182
85.5	24.030	21.498	18.346	21.160	24.199
86.0	21.104	18.881	16.489	18.515	21.244
86.5	18.290	16.348	14.773	16.011	18.599
87.0	15.814	13.928	13.141	13.731	16.208
87.5	13.450	11.762	11.509	11.818	14.069
88.0	11.283	9.905	9.792	10.186	12.071
88.5	9.145	8.160	7.822	8.470	10.074
89.0	6.416	5.881	5.206	5.825	7.541
89.5	2.532	2.786	2.448	2.589	3.517
90.0	0.000	0.000	0.000	0.000	0.000
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : FRM-22-L25-950-DMA-DIM-UNV\_.IES

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 : FRM-22-L25-950-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 : FRM-22-L25-950-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 : FRM-22-L25-950-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	395.86	N.A.	18.00
0-30	776.74	N.A.	35.40
0-40	1175.99	N.A.	53.60
0-60	1843.68	N.A.	84.00
0-80	2166.62	N.A.	98.70
0-90	2195.65	N.A.	100.00
10-90	2086.83	N.A.	95.00
20-40	780.12	N.A.	35.50
20-50	1147.51	N.A.	52.30
40-70	877.31	N.A.	40.00
60-80	322.95	N.A.	14.70
70-80	113.33	N.A.	5.20
80-90	29.02	N.A.	1.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2195.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	108.82
10-20	287.05
20-30	380.88
30-40	399.25
40-50	367.39
50-60	300.30
60-70	209.62
70-80	113.33
80-90	29.02
90-100	0.00
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 : FRM-22-L25-950-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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	73	68	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FRM-22-L25-950-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

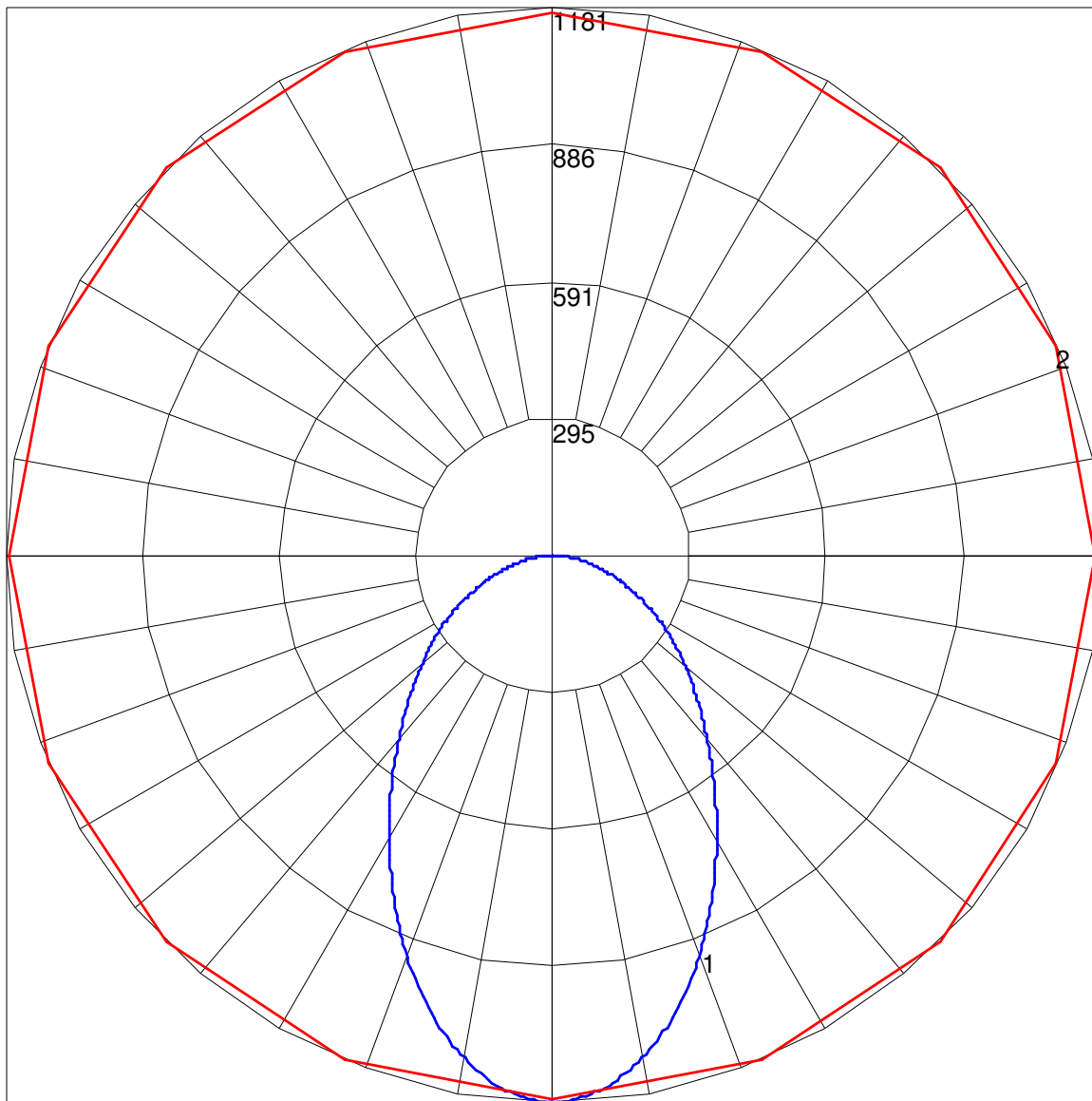
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	13.5	15.0	13.9	15.4	15.7	13.5	15.0	13.8	15.3	15.6
	3H	15.1	16.5	15.5	16.9	17.2	15.1	16.5	15.5	16.8	17.2
	4H	15.7	17.0	16.1	17.4	17.8	15.8	17.1	16.2	17.4	17.8
	6H	16.2	17.4	16.6	17.7	18.1	16.2	17.4	16.6	17.8	18.1
	8H	16.3	17.4	16.7	17.8	18.2	16.3	17.5	16.8	17.8	18.2
	12H	16.3	17.4	16.8	17.8	18.2	16.4	17.5	16.8	17.9	18.3
4H	2H	13.9	15.2	14.3	15.6	16.0	13.9	15.2	14.3	15.6	15.9
	3H	15.8	16.9	16.2	17.3	17.7	15.8	16.9	16.2	17.3	17.7
	4H	16.5	17.5	16.9	17.9	18.3	16.5	17.5	16.9	17.9	18.3
	6H	17.0	17.9	17.5	18.3	18.8	17.1	17.9	17.5	18.4	18.8
	8H	17.2	18.0	17.7	18.4	18.9	17.2	18.0	17.7	18.5	18.9
	12H	17.3	18.0	17.8	18.5	19.0	17.3	18.1	17.8	18.5	19.0
8H	4H	16.7	17.5	17.2	18.0	18.4	16.7	17.5	17.2	18.0	18.4
	6H	17.3	18.0	17.8	18.5	19.0	17.4	18.0	17.9	18.5	19.0
	8H	17.5	18.1	18.1	18.6	19.1	17.6	18.2	18.1	18.7	19.2
	12H	17.7	18.2	18.2	18.7	19.3	17.8	18.3	18.3	18.8	19.3
12H	4H	16.7	17.4	17.2	17.9	18.4	16.7	17.5	17.2	17.9	18.4
	6H	17.4	18.0	17.9	18.4	19.0	17.4	18.0	17.9	18.5	19.0
	8H	17.6	18.1	18.1	18.6	19.2	17.7	18.2	18.2	18.7	19.2

Maximum UGR = 19.3

POLAR GRAPH



Maximum Candela = 1181.245 Located At Horizontal Angle = 45, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)