

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FRM-22-L25-940-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-L25-940-DMA-DIM-UNV
[LUMINAIRE] Recessed 2 x 2 narrow aperture LED luminaire
[MORE] with center frame driver housing
[LAMP] LED
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] INDOOR
[_SEARCH_MOUNTING] RECESSED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2122
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
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	2080	1803	2119
55	1832	1564	1861
65	1580	1337	1597
75	1289	1114	1322
85	902	681	902

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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	1138.981	1138.981	1138.981	1138.981	1138.981
0.5	1134.630	1139.525	1141.428	1139.253	1134.630
1.0	1133.815	1138.981	1140.612	1138.981	1133.815
1.5	1132.999	1137.893	1139.796	1137.893	1132.999
2.0	1131.639	1136.534	1138.437	1136.262	1131.368
2.5	1129.736	1134.902	1136.534	1134.630	1129.736
3.0	1127.833	1132.727	1134.358	1132.455	1127.833
3.5	1125.386	1130.008	1131.639	1130.008	1125.114
4.0	1122.395	1127.017	1128.649	1127.289	1122.667
4.5	1119.132	1123.754	1125.386	1124.026	1119.676
5.0	1115.326	1119.948	1121.851	1120.492	1116.141
5.5	1111.247	1115.869	1117.773	1116.957	1112.607
6.0	1107.169	1111.247	1113.422	1112.879	1108.800
6.5	1102.274	1106.625	1108.800	1108.256	1104.450
7.0	1097.108	1101.459	1103.634	1103.362	1099.827
7.5	1091.670	1096.021	1098.196	1098.468	1094.933
8.0	1086.233	1090.039	1092.486	1093.302	1090.039
8.5	1080.251	1084.057	1086.776	1087.592	1084.329
9.0	1073.997	1077.532	1080.523	1081.610	1078.891
9.5	1067.743	1071.278	1073.997	1075.628	1072.910
10.0	1061.218	1064.481	1067.200	1069.103	1066.656
10.5	1054.420	1057.411	1060.674	1062.577	1060.674
11.0	1047.351	1050.342	1053.333	1055.780	1054.692
11.5	1040.010	1042.729	1045.992	1048.439	1047.895
12.0	1032.669	1035.116	1038.107	1041.369	1041.097
12.5	1025.327	1027.231	1030.222	1034.028	1034.028
13.0	1017.170	1019.346	1022.336	1026.415	1026.959
13.5	1009.829	1011.189	1014.180	1018.802	1019.889
14.0	1001.944	1003.032	1005.751	1011.189	1012.548
14.5	993.515	994.603	997.050	1003.032	1004.935
15.0	985.086	986.174	988.077	994.875	997.322
15.5	976.930	977.473	979.105	986.718	989.437
16.0	968.501	968.501	969.860	978.289	981.552
16.5	959.800	959.800	960.888	969.588	973.395
17.0	951.099	950.555	951.099	960.616	964.966
17.5	942.398	941.311	941.583	951.915	957.081
18.0	933.426	932.066	931.794	942.670	948.652
18.5	924.453	922.550	922.006	933.426	939.951
19.0	915.481	912.762	911.946	924.181	931.251
19.5	906.508	903.245	901.886	914.665	922.278
20.0	897.535	893.457	891.825	904.877	913.577
20.5	888.019	883.397	881.493	895.360	904.605
21.0	878.774	873.608	870.889	885.572	895.904
21.5	869.258	863.820	860.285	875.783	886.659
22.0	860.013	854.032	849.953	865.723	877.143
22.5	851.041	843.971	839.349	855.935	868.170
23.0	841.524	833.911	829.017	845.875	858.926
23.5	832.552	824.123	818.413	836.086	849.681
24.0	823.851	814.335	808.081	826.298	840.437
24.5	814.606	804.274	797.477	816.238	831.464
25.0	805.634	794.486	786.873	806.178	822.491
25.5	796.661	784.698	776.269	796.117	813.519
26.0	787.689	775.181	765.937	786.601	805.090
26.5	778.988	765.665	755.605	776.813	795.845

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CANDELA TABULATION - (Cont.)

27.0	770.287	756.148	745.272	767.296	787.417
27.5	761.586	746.632	734.940	757.780	778.716
28.0	753.429	737.387	724.608	748.263	770.015
28.5	744.729	728.143	714.548	738.747	761.586
29.0	736.572	718.898	704.488	729.230	753.157
29.5	728.143	709.926	694.156	719.714	744.457
30.0	719.714	700.681	684.095	710.469	736.028
30.5	711.557	691.709	674.035	701.225	727.599
31.0	703.400	682.736	663.975	691.980	719.442
31.5	695.243	673.763	654.187	682.736	711.013
32.0	686.814	665.063	644.398	673.763	702.856
32.5	678.657	656.362	634.882	664.519	694.699
33.0	670.772	647.389	625.094	655.274	686.271
33.5	662.615	638.960	615.577	646.302	678.114
34.0	654.730	629.988	606.061	637.329	669.685
34.5	646.845	621.559	596.816	628.084	661.800
35.0	639.232	612.858	587.572	619.112	653.643
35.5	631.347	604.429	578.327	610.411	645.214
36.0	623.734	596.000	569.354	601.710	637.329
36.5	616.121	587.572	560.382	593.010	629.444
37.0	608.508	579.415	551.409	584.309	621.287
37.5	600.895	571.258	542.708	575.608	613.130
38.0	593.553	563.373	534.280	567.451	605.245
38.5	586.212	555.488	525.851	559.022	597.360
39.0	578.599	547.331	517.422	550.865	589.747
39.5	571.530	539.446	509.265	542.708	582.134
40.0	564.188	531.832	501.108	534.551	574.520
40.5	556.575	524.219	493.223	526.395	566.907
41.0	549.234	516.606	485.338	518.509	559.294
41.5	542.165	508.993	477.725	510.896	551.953
42.0	534.823	501.924	469.840	503.011	544.612
42.5	527.482	494.311	462.227	495.670	537.270
43.0	520.141	487.241	454.885	488.057	529.929
43.5	513.072	479.900	447.544	480.716	522.588
44.0	506.002	472.831	440.203	473.374	515.247
44.5	498.933	465.761	433.134	465.761	507.905
45.0	491.592	458.692	426.064	458.420	500.836
45.5	484.522	451.351	418.995	451.351	493.495
46.0	477.453	444.553	411.925	444.009	486.154
46.5	470.112	437.484	405.128	436.668	479.084
47.0	463.042	430.415	398.331	429.327	471.471
47.5	455.701	423.345	391.533	422.258	464.402
48.0	448.632	416.276	385.008	415.188	457.061
48.5	441.834	409.478	378.482	408.119	449.719
49.0	434.765	402.409	371.956	401.050	442.650
49.5	427.696	395.612	365.703	393.980	435.037
50.0	420.626	388.542	359.177	386.911	427.967
50.5	413.557	381.745	352.924	379.842	420.626
51.0	406.488	374.947	346.942	373.044	413.557
51.5	399.418	367.878	340.960	366.247	406.216
52.0	392.621	361.352	334.978	359.449	399.146
52.5	385.551	354.555	328.997	352.652	392.077
53.0	378.754	348.029	323.015	345.854	384.736
53.5	371.685	341.232	317.033	339.329	377.666
54.0	364.615	334.978	311.323	332.803	370.597
54.5	358.090	328.453	305.613	326.278	363.528

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55.0	351.292	321.927	299.903	319.752	356.730
55.5	344.495	315.674	294.466	313.498	350.205
56.0	337.697	309.420	288.756	307.245	343.407
56.5	330.900	303.166	283.046	300.719	336.338
57.0	324.374	297.185	277.608	294.466	329.812
57.5	317.577	290.931	271.898	288.484	323.015
58.0	311.051	284.677	266.378	282.502	316.217
58.5	304.526	278.695	260.941	276.248	309.420
59.0	297.728	272.714	255.475	270.321	302.622
59.5	291.203	266.569	250.010	264.176	296.097
60.0	284.677	260.451	244.436	258.031	289.299
60.5	278.424	254.306	238.971	251.968	282.774
61.0	272.442	248.216	233.588	245.932	276.248
61.5	266.107	242.234	228.068	239.868	269.859
62.0	260.070	236.470	222.576	233.968	263.551
62.5	253.980	230.787	217.002	228.014	257.406
63.0	247.889	225.186	211.265	222.277	251.016
63.5	241.717	219.449	205.501	216.757	244.681
64.0	235.518	213.766	199.927	210.966	238.319
64.5	229.428	208.165	194.434	205.337	231.929
65.0	223.228	202.564	188.915	199.899	225.621
65.5	216.811	197.044	183.531	194.434	219.503
66.0	210.667	191.552	178.066	189.214	213.358
66.5	204.413	186.087	172.601	183.939	206.969
67.0	198.567	180.676	167.299	178.691	201.123
67.5	192.694	175.320	162.106	173.634	195.196
68.0	186.848	170.099	157.211	168.577	189.404
68.5	180.975	164.933	152.562	163.438	183.640
69.0	175.265	159.794	148.130	158.462	178.120
69.5	169.800	154.764	143.752	153.568	172.655
70.0	164.172	149.789	139.375	148.783	167.027
70.5	158.707	144.758	135.025	144.024	161.507
71.0	153.242	139.783	130.647	139.375	156.151
71.5	147.804	134.916	126.242	134.671	150.876
72.0	142.420	130.130	121.919	130.022	145.465
72.5	137.145	125.345	117.623	125.454	140.163
73.0	131.871	120.641	113.381	120.913	134.889
73.5	126.704	115.910	109.140	116.318	129.723
74.0	121.593	111.261	104.925	111.723	124.720
74.5	116.508	106.557	100.657	107.155	119.499
75.0	111.505	101.907	96.388	102.641	114.387
75.5	106.475	97.258	92.228	98.128	109.249
76.0	101.527	92.581	88.013	93.560	104.164
76.5	96.687	87.959	83.853	88.938	99.080
77.0	91.793	83.391	79.666	84.288	94.050
77.5	86.926	78.796	75.588	79.856	89.019
78.0	82.113	74.418	71.564	75.533	84.098
78.5	77.328	70.150	67.512	71.210	79.285
79.0	72.570	65.854	63.515	67.077	74.337
79.5	67.920	61.558	59.546	62.917	69.579
80.0	63.325	57.398	55.549	58.757	64.848
80.5	58.812	53.346	51.661	54.651	60.198
81.0	54.461	49.322	47.800	50.600	55.712
81.5	50.328	45.380	44.075	46.631	51.334
82.0	46.223	41.546	40.295	42.742	47.120
82.5	42.443	37.903	36.543	38.990	43.096

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CANDELA TABULATION - (Cont.)

83.0	38.854	34.531	32.737	35.374	39.289
83.5	35.564	31.431	29.066	31.948	35.673
84.0	32.383	28.576	25.613	28.794	32.356
84.5	29.283	25.885	22.459	25.857	29.256
85.0	26.265	23.356	19.849	23.139	26.265
85.5	23.220	20.773	17.728	20.447	23.383
86.0	20.392	18.244	15.933	17.891	20.528
86.5	17.673	15.797	14.275	15.471	17.972
87.0	15.281	13.459	12.698	13.269	15.661
87.5	12.997	11.365	11.121	11.420	13.595
88.0	10.903	9.571	9.462	9.843	11.664
88.5	8.837	7.885	7.559	8.184	9.734
89.0	6.199	5.683	5.030	5.628	7.287
89.5	2.447	2.692	2.366	2.501	3.399
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

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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 : FRM-22-L25-940-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-L25-940-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	382.52	N.A.	18.00
0-30	750.56	N.A.	35.40
0-40	1136.35	N.A.	53.60
0-60	1781.53	N.A.	84.00
0-80	2093.59	N.A.	98.70
0-90	2121.64	N.A.	100.00
10-90	2016.49	N.A.	95.00
20-40	753.83	N.A.	35.50
20-50	1108.83	N.A.	52.30
40-70	847.74	N.A.	40.00
60-80	312.06	N.A.	14.70
70-80	109.51	N.A.	5.20
80-90	28.05	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	2121.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.15
10-20	277.37
20-30	368.04
30-40	385.79
40-50	355.00
50-60	290.18
60-70	202.55
70-80	109.51
80-90	28.05
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-L25-940-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-L25-940-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

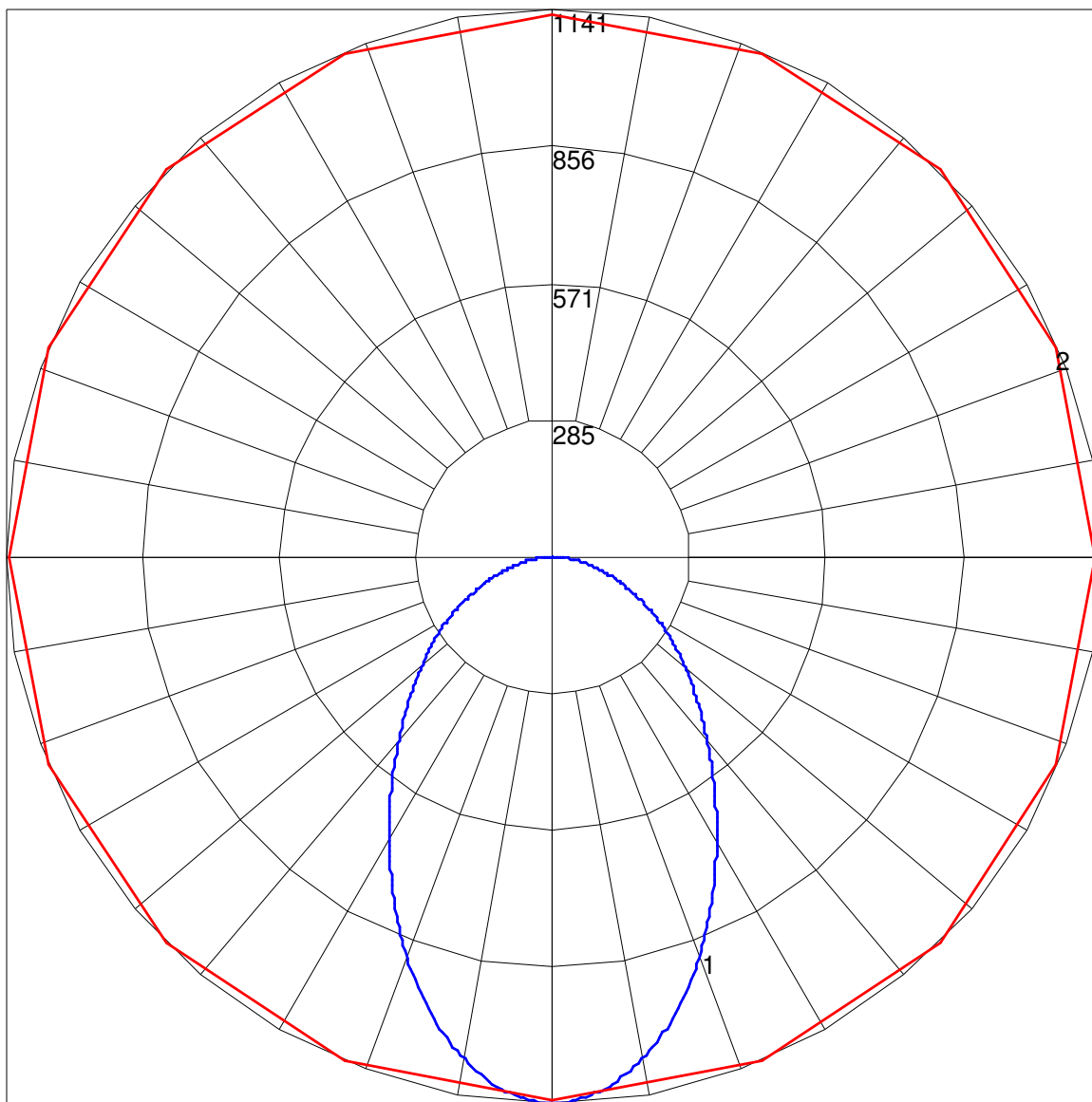
Reflectances

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	13.4	14.9	13.8	15.3	15.6	13.4	14.9	13.7	15.2	15.5
	3H	15.0	16.4	15.4	16.8	17.1	15.0	16.4	15.4	16.7	17.1
	4H	15.6	16.9	16.0	17.3	17.7	15.7	17.0	16.1	17.3	17.7
	6H	16.1	17.3	16.5	17.6	18.0	16.1	17.3	16.5	17.7	18.0
	8H	16.2	17.3	16.6	17.7	18.1	16.2	17.4	16.6	17.7	18.1
	12H	16.2	17.3	16.7	17.7	18.1	16.3	17.4	16.7	17.8	18.2
4H	2H	13.8	15.1	14.2	15.5	15.9	13.8	15.1	14.2	15.5	15.8
	3H	15.7	16.8	16.1	17.2	17.6	15.7	16.8	16.1	17.2	17.6
	4H	16.4	17.4	16.8	17.8	18.2	16.4	17.4	16.8	17.8	18.2
	6H	16.9	17.8	17.4	18.2	18.7	17.0	17.8	17.4	18.3	18.7
	8H	17.1	17.9	17.6	18.3	18.8	17.1	17.9	17.6	18.4	18.8
	12H	17.2	17.9	17.7	18.4	18.9	17.2	18.0	17.7	18.4	18.9
8H	4H	16.6	17.4	17.1	17.9	18.3	16.6	17.4	17.1	17.9	18.3
	6H	17.2	17.9	17.7	18.4	18.9	17.3	17.9	17.8	18.4	18.9
	8H	17.4	18.0	18.0	18.5	19.0	17.5	18.1	18.0	18.6	19.1
	12H	17.6	18.1	18.1	18.6	19.2	17.7	18.2	18.2	18.7	19.2
12H	4H	16.6	17.3	17.1	17.8	18.3	16.6	17.4	17.1	17.8	18.3
	6H	17.3	17.9	17.8	18.3	18.9	17.3	17.9	17.8	18.4	18.9
	8H	17.5	18.0	18.0	18.5	19.1	17.6	18.1	18.1	18.6	19.1

Maximum UGR = 19.2

POLAR GRAPH



Maximum Candela = 1141.428 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.)