



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2DS-L12-935-DIM-UNV-LW-OF-WH\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 13257153.14  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 3/16/2021  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] 2DS-L12-935-DIM-UNV-LW-OF-WH  
[LUMINAIRE] Aluminum housing, optics, and trim enclosure  
[LAMP] One white LED  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor, Downlight  
[SEARCH\_MOUNTING] Recessed

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1059
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.21 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25362	31221	25804
55	20520	22211	20864
65	17931	18203	18126
75	14099	13846	14607
85	8487	7355	9052

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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	1224.771	1224.771	1224.771	1224.771	1224.771
0.5	1249.901	1230.723	1220.142	1216.174	1215.512
1.0	1249.240	1230.723	1220.142	1216.174	1215.512
1.5	1248.579	1230.062	1220.142	1216.174	1214.851
2.0	1247.917	1229.400	1219.480	1215.512	1214.851
2.5	1246.595	1228.739	1218.158	1214.851	1213.528
3.0	1245.933	1226.755	1216.835	1213.528	1212.867
3.5	1243.949	1225.432	1214.851	1211.545	1210.883
4.0	1241.304	1223.448	1213.528	1210.222	1208.899
4.5	1238.659	1221.464	1210.883	1207.577	1206.915
5.0	1236.013	1218.158	1208.238	1204.931	1203.609
5.5	1232.707	1215.512	1205.593	1201.625	1201.625
6.0	1229.400	1212.206	1202.286	1198.318	1198.979
6.5	1225.432	1208.238	1198.318	1195.673	1196.334
7.0	1222.126	1204.270	1195.011	1192.366	1193.027
7.5	1218.158	1200.302	1191.705	1189.060	1190.382
8.0	1214.190	1196.334	1188.398	1185.753	1186.414
8.5	1210.222	1192.366	1184.430	1181.785	1182.446
9.0	1204.931	1187.737	1180.462	1177.817	1178.478
9.5	1200.963	1183.108	1175.833	1173.849	1173.849
10.0	1195.011	1177.817	1171.204	1169.220	1168.558
10.5	1189.721	1172.526	1165.913	1163.929	1163.268
11.0	1183.769	1166.575	1160.623	1158.639	1157.316
11.5	1176.494	1160.623	1154.671	1153.348	1152.025
12.0	1169.881	1154.009	1148.719	1146.735	1145.412
12.5	1162.607	1147.396	1142.106	1140.783	1138.799
13.0	1154.671	1140.122	1135.492	1134.170	1130.863
13.5	1146.735	1132.186	1128.218	1126.234	1123.589
14.0	1137.476	1122.927	1120.282	1118.298	1114.991
14.5	1128.218	1114.330	1111.685	1109.039	1105.071
15.0	1117.637	1104.410	1102.426	1099.781	1095.813
15.5	1107.055	1094.490	1092.506	1089.861	1085.232
16.0	1095.813	1083.248	1081.264	1078.619	1073.989
16.5	1083.248	1072.005	1070.021	1067.376	1061.424
17.0	1070.683	1059.440	1058.779	1055.472	1048.859
17.5	1057.456	1046.875	1046.214	1042.246	1034.971
18.0	1042.907	1032.987	1033.649	1029.019	1019.761
18.5	1027.035	1018.438	1019.761	1014.470	1003.889
19.0	1010.502	1003.228	1005.873	999.260	986.695
19.5	991.985	987.356	991.324	982.727	968.177
20.0	972.807	970.161	975.452	966.194	948.338
20.5	952.306	952.306	958.919	947.676	927.175
21.0	929.159	933.127	941.725	927.837	904.690
21.5	905.352	911.965	923.869	907.336	880.883
22.0	880.221	890.141	905.352	885.512	855.753
22.5	853.107	867.656	885.512	863.027	829.961
23.0	825.332	843.187	865.672	839.219	802.847
23.5	796.233	818.057	844.510	814.750	774.410
24.0	765.813	791.604	823.348	788.959	745.973
24.5	735.392	765.151	800.863	762.506	716.213
25.0	704.309	736.714	777.716	734.730	686.454
25.5	672.566	708.277	753.247	706.293	655.967
26.0	639.830	678.518	728.778	677.195	625.347
26.5	606.632	648.957	702.987	648.097	594.133

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**CANDELA TABULATION - (Cont.)**

27.0	573.367	618.734	677.195	618.800	563.183
27.5	540.500	588.313	650.742	589.041	533.953
28.0	509.219	558.025	623.826	559.413	503.135
28.5	477.079	528.001	596.448	530.910	473.045
29.0	447.055	498.704	569.135	502.540	444.806
29.5	416.369	469.738	541.690	474.367	416.105
30.0	386.874	441.500	514.708	446.922	388.528
30.5	358.768	413.526	488.652	420.205	361.942
31.0	332.249	386.411	461.802	393.884	336.547
31.5	306.986	360.421	435.746	368.556	312.806
32.0	283.774	335.820	410.219	344.483	290.255
32.5	262.413	312.608	385.485	321.668	269.423
33.0	242.243	290.652	361.744	300.109	250.179
33.5	223.792	270.084	338.730	279.740	232.058
34.0	207.325	250.906	317.038	260.826	215.658
34.5	191.916	233.050	296.405	243.036	200.381
35.0	178.094	216.716	277.095	226.569	186.692
35.5	165.794	201.704	258.974	211.359	174.193
36.0	154.617	187.948	241.846	197.405	162.884
36.5	144.631	175.515	225.974	184.443	152.633
37.0	135.770	164.074	211.227	172.539	143.375
37.5	127.768	153.692	197.471	161.627	134.976
38.0	120.692	144.301	184.708	151.840	127.437
38.5	114.343	135.902	173.068	142.846	120.625
39.0	108.788	128.231	162.355	134.778	114.541
39.5	103.696	121.419	152.633	127.437	109.052
40.0	99.265	115.203	143.706	120.824	104.092
40.5	95.297	109.581	135.505	114.872	99.595
41.0	91.593	104.621	128.164	109.515	95.429
41.5	88.353	100.124	121.485	104.754	91.726
42.0	85.377	96.156	115.401	100.389	88.353
42.5	82.732	92.519	109.780	96.355	85.311
43.0	80.219	89.213	104.820	92.784	82.467
43.5	77.970	86.303	100.190	89.411	79.888
44.0	75.920	83.591	96.024	86.369	77.441
44.5	74.002	81.144	92.255	83.591	75.391
45.0	72.150	78.830	88.816	81.012	73.407
45.5	70.431	76.780	85.641	78.631	71.423
46.0	68.778	74.730	82.732	76.383	69.637
46.5	67.190	72.812	79.954	74.267	67.918
47.0	65.669	70.960	77.441	72.349	66.331
47.5	64.148	69.241	75.060	70.431	64.810
48.0	62.760	67.587	72.944	68.645	63.421
48.5	61.437	66.066	70.828	66.992	61.966
49.0	60.114	64.545	68.910	65.339	60.643
49.5	58.792	63.090	66.992	63.818	59.321
50.0	57.601	61.701	65.273	62.363	58.196
50.5	56.411	60.379	63.553	61.040	57.072
51.0	55.287	59.056	61.966	59.718	56.014
51.5	54.229	57.800	60.445	58.461	54.956
52.0	53.104	56.609	58.924	57.271	53.832
52.5	52.046	55.419	57.535	56.146	52.840
53.0	51.054	54.361	56.212	55.022	51.848
53.5	50.062	53.170	54.890	53.898	50.922
54.0	49.136	52.178	53.633	52.840	49.996
54.5	48.210	51.054	52.377	51.848	49.004

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**CANDELA TABULATION - (Cont.)**

55.0	47.351	50.062	51.253	50.790	48.144
55.5	46.425	49.004	50.062	49.798	47.285
56.0	45.565	48.012	48.938	48.806	46.425
56.5	44.772	47.086	47.814	47.748	45.631
57.0	43.978	46.160	46.689	46.822	44.705
57.5	43.184	45.235	45.631	45.830	43.912
58.0	42.391	44.309	44.639	44.904	43.118
58.5	41.597	43.317	43.581	43.978	42.259
59.0	40.870	42.391	42.523	43.052	41.465
59.5	40.142	41.531	41.531	42.060	40.539
60.0	39.283	40.605	40.539	41.134	39.679
60.5	38.489	39.746	39.613	40.208	38.820
61.0	37.695	38.886	38.621	39.283	37.894
61.5	36.836	37.960	37.629	38.291	36.968
62.0	35.976	37.100	36.703	37.365	36.108
62.5	35.050	36.241	35.711	36.373	35.182
63.0	34.124	35.315	34.786	35.447	34.323
63.5	33.198	34.389	33.860	34.455	33.397
64.0	32.273	33.463	32.868	33.529	32.537
64.5	31.347	32.603	31.942	32.603	31.677
65.0	30.487	31.611	30.950	31.677	30.818
65.5	29.561	30.685	30.024	30.818	30.024
66.0	28.768	29.826	29.098	29.892	29.230
66.5	27.908	28.900	28.172	29.032	28.371
67.0	27.114	27.974	27.313	28.172	27.577
67.5	26.321	27.048	26.387	27.247	26.717
68.0	25.461	26.188	25.527	26.387	25.924
68.5	24.667	25.329	24.667	25.593	25.130
69.0	23.874	24.469	23.808	24.733	24.337
69.5	23.080	23.609	23.014	23.874	23.543
70.0	22.287	22.750	22.154	23.014	22.750
70.5	21.493	21.890	21.361	22.154	21.956
71.0	20.699	21.096	20.501	21.361	21.162
71.5	19.906	20.236	19.707	20.501	20.435
72.0	19.112	19.443	18.980	19.707	19.641
72.5	18.385	18.649	18.186	18.914	18.914
73.0	17.591	17.922	17.393	18.120	18.120
73.5	16.864	17.128	16.665	17.327	17.393
74.0	16.136	16.335	15.872	16.533	16.665
74.5	15.409	15.607	15.144	15.806	15.938
75.0	14.681	14.880	14.417	15.078	15.210
75.5	13.954	14.152	13.689	14.351	14.549
76.0	13.293	13.425	13.028	13.623	13.822
76.5	12.631	12.764	12.367	12.896	13.160
77.0	11.970	12.036	11.639	12.234	12.499
77.5	11.309	11.375	10.978	11.507	11.772
78.0	10.647	10.713	10.317	10.846	11.110
78.5	10.052	10.052	9.721	10.184	10.515
79.0	9.391	9.391	9.060	9.523	9.854
79.5	8.796	8.796	8.465	8.928	9.259
80.0	8.200	8.200	7.870	8.267	8.597
80.5	7.605	7.539	7.275	7.671	8.002
81.0	7.076	7.010	6.679	7.076	7.407
81.5	6.481	6.415	6.084	6.481	6.878
82.0	5.952	5.820	5.555	5.952	6.283
82.5	5.423	5.291	5.026	5.357	5.754

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**CANDELA TABULATION - (Cont.)**

83.0	4.894	4.762	4.497	4.828	5.224
83.5	4.365	4.232	3.968	4.299	4.695
84.0	3.902	3.770	3.505	3.836	4.166
84.5	3.439	3.307	3.042	3.307	3.703
85.0	2.976	2.778	2.579	2.844	3.174
85.5	2.513	2.315	2.116	2.315	2.711
86.0	2.050	1.918	1.719	1.852	2.182
86.5	1.521	1.455	1.257	1.389	1.587
87.0	0.794	0.926	0.860	0.860	0.860
87.5	0.463	0.595	0.595	0.463	0.463
88.0	0.331	0.397	0.397	0.331	0.331
88.5	0.265	0.265	0.265	0.265	0.265
89.0	0.198	0.198	0.198	0.198	0.198
89.5	0.066	0.132	0.132	0.132	0.132
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 2DS-L12-935-DIM-UNV-LW-OF-WH\_.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 : 2DS-L12-935-DIM-UNV-LW-OF-WH\_.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 : 2DS-L12-935-DIM-UNV-LW-OF-WH\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	421.17	N.A.	39.80
0-30	749.46	N.A.	70.80
0-40	899.71	N.A.	84.90
0-60	1008.92	N.A.	95.30
0-80	1055.75	N.A.	99.70
0-90	1059.19	N.A.	100.00
10-90	944.64	N.A.	89.20
20-40	478.55	N.A.	45.20
20-50	542.78	N.A.	51.20
40-70	140.21	N.A.	13.20
60-80	46.84	N.A.	4.40
70-80	15.83	N.A.	1.50
80-90	3.44	N.A.	0.30
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	1059.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	114.55
10-20	306.61
20-30	328.30
30-40	150.25
40-50	64.24
50-60	44.97
60-70	31.00
70-80	15.83
80-90	3.44
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 : 2DS-L12-935-DIM-UNV-LW-OF-WH\_.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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	77	70	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	77	68	62	58	66	61	57	65	61	57	64	60	57	55
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 2DS-L12-935-DIM-UNV-LW-OF-WH\_.IES**

**UGR TABLE - CORRECTED**

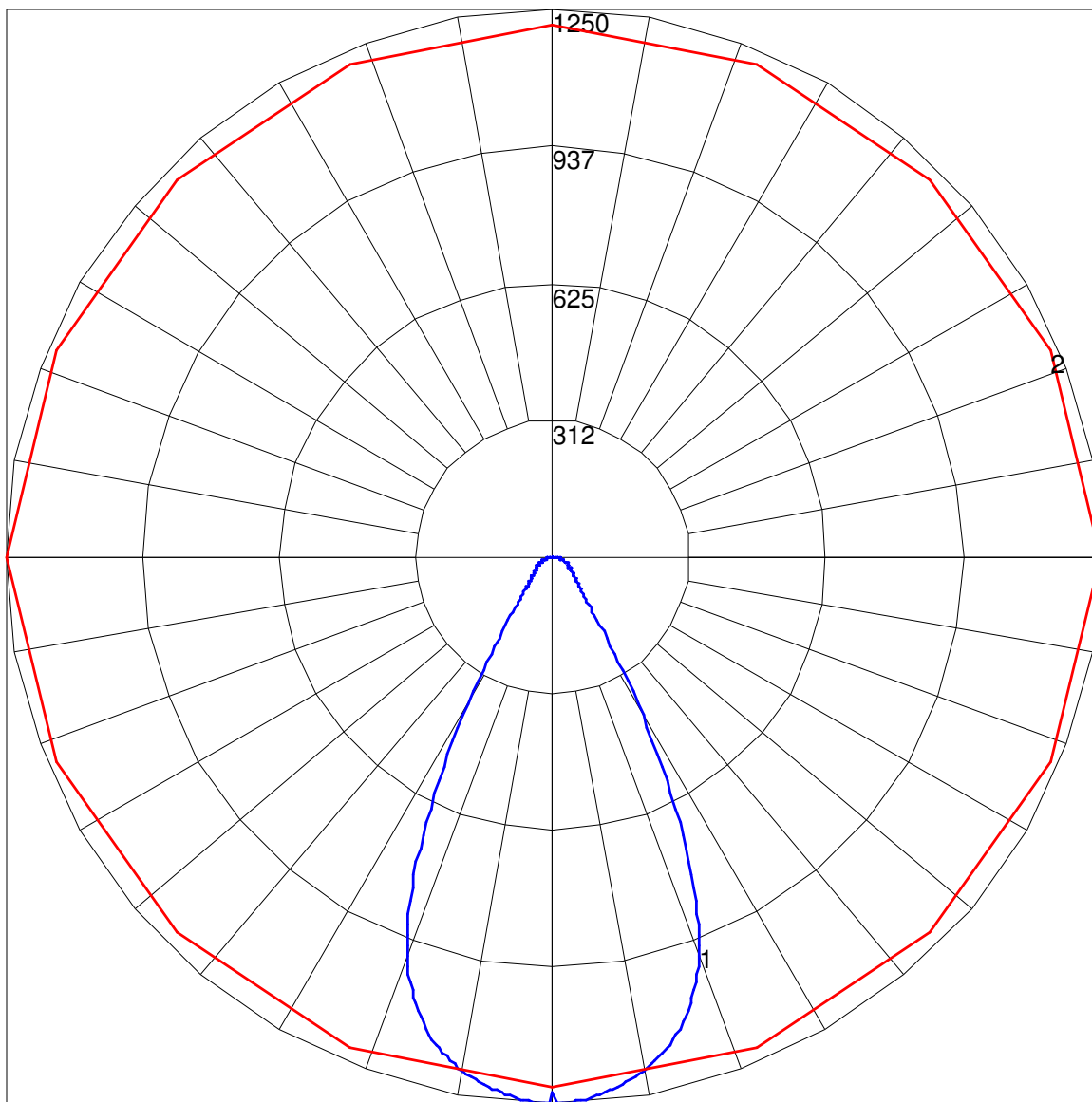
Reflectances

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	18.6	19.7	19.0	20.0	20.4	18.7	19.8	19.1	20.1	20.5
	3H	20.1	21.1	20.5	21.4	21.8	20.2	21.2	20.6	21.5	21.9
	4H	20.6	21.5	21.0	21.8	22.2	20.7	21.6	21.1	21.9	22.3
	6H	20.9	21.7	21.3	22.1	22.5	21.0	21.8	21.4	22.2	22.6
	8H	20.9	21.7	21.4	22.1	22.5	21.1	21.9	21.5	22.2	22.7
	12H	21.0	21.7	21.4	22.1	22.5	21.1	21.8	21.5	22.2	22.7
4H	2H	19.1	20.0	19.5	20.3	20.7	19.1	20.1	19.6	20.4	20.8
	3H	20.7	21.5	21.2	21.9	22.3	20.8	21.6	21.2	22.0	22.4
	4H	21.3	22.0	21.8	22.4	22.8	21.4	22.1	21.9	22.5	22.9
	6H	21.7	22.3	22.2	22.7	23.2	21.8	22.4	22.3	22.8	23.3
	8H	21.8	22.3	22.3	22.8	23.3	21.9	22.5	22.4	22.9	23.4
	12H	21.9	22.3	22.3	22.8	23.3	22.0	22.4	22.5	22.9	23.4
8H	4H	21.5	22.0	21.9	22.4	22.9	21.6	22.1	22.0	22.5	23.0
	6H	22.0	22.4	22.5	22.9	23.4	22.1	22.5	22.6	23.0	23.5
	8H	22.1	22.5	22.7	23.0	23.5	22.2	22.6	22.8	23.1	23.6
	12H	22.2	22.5	22.7	23.0	23.6	22.3	22.6	22.8	23.1	23.7
12H	4H	21.4	21.9	21.9	22.4	22.9	21.5	22.0	22.0	22.5	23.0
	6H	22.0	22.3	22.5	22.8	23.4	22.1	22.4	22.6	22.9	23.5
	8H	22.1	22.5	22.7	23.0	23.6	22.3	22.6	22.8	23.1	23.7

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 1249.901 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.)