



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2DS-L15-940-DIM-UNV-RW-OF-WH_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13257153.16
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 08/07/2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 2DS-L15-940-DIM-UNV-RW-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	1355
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	17.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.86
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	30161	41050	29511
55	20956	22629	20519
65	16245	15011	16294
75	9353	8627	9433
85	4309	4309	4309

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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	1562.363	1562.363	1562.363	1562.363	1562.363
0.5	1564.042	1570.759	1563.203	1556.487	1554.808
1.0	1563.203	1569.919	1563.203	1556.487	1554.808
1.5	1562.363	1569.080	1562.363	1555.647	1553.968
2.0	1561.524	1568.240	1561.524	1554.808	1552.289
2.5	1559.845	1566.561	1559.005	1553.129	1551.450
3.0	1558.166	1563.203	1557.326	1551.450	1548.931
3.5	1554.808	1561.524	1554.808	1548.931	1546.412
4.0	1552.289	1558.166	1551.450	1545.573	1543.894
4.5	1548.931	1554.808	1548.091	1542.215	1540.536
5.0	1544.733	1551.450	1544.733	1538.017	1536.338
5.5	1540.536	1547.252	1540.536	1534.659	1532.140
6.0	1536.338	1543.054	1536.338	1530.461	1527.943
6.5	1532.140	1538.857	1532.140	1525.424	1522.906
7.0	1527.103	1533.819	1527.103	1521.227	1517.868
7.5	1522.906	1528.782	1522.066	1516.189	1512.831
8.0	1517.029	1524.585	1517.029	1511.152	1507.794
8.5	1511.992	1518.708	1511.152	1505.275	1501.917
9.0	1505.275	1512.831	1506.115	1499.399	1496.880
9.5	1500.238	1506.955	1500.238	1493.522	1490.164
10.0	1493.522	1500.238	1493.522	1486.806	1484.287
10.5	1485.966	1493.522	1486.806	1480.090	1476.731
11.0	1478.411	1485.966	1479.250	1472.534	1470.015
11.5	1470.855	1477.571	1471.694	1464.978	1461.620
12.0	1461.620	1470.015	1463.299	1456.583	1453.225
12.5	1453.225	1460.780	1454.064	1448.187	1444.829
13.0	1443.150	1451.546	1444.829	1438.953	1434.755
13.5	1433.915	1441.471	1435.595	1428.878	1424.681
14.0	1423.002	1430.557	1425.520	1418.804	1414.606
14.5	1411.248	1419.644	1413.767	1407.890	1402.853
15.0	1398.655	1407.051	1402.013	1396.137	1391.100
15.5	1385.223	1394.458	1389.420	1383.544	1378.507
16.0	1371.790	1380.186	1375.988	1370.111	1365.074
16.5	1357.518	1366.753	1361.716	1356.679	1350.802
17.0	1342.407	1351.642	1347.444	1342.407	1336.530
17.5	1326.456	1335.691	1333.172	1327.295	1320.579
18.0	1309.665	1318.900	1316.381	1311.344	1303.789
18.5	1292.035	1301.270	1300.430	1293.714	1285.319
19.0	1271.886	1282.800	1282.800	1276.084	1266.849
19.5	1251.738	1262.652	1265.170	1257.614	1246.701
20.0	1229.910	1242.503	1245.861	1237.466	1225.712
20.5	1206.403	1220.675	1225.712	1215.638	1203.045
21.0	1184.575	1197.168	1203.885	1193.810	1179.538
21.5	1160.229	1173.662	1182.057	1170.303	1154.352
22.0	1132.525	1148.476	1159.390	1145.957	1128.327
22.5	1103.981	1122.450	1135.883	1119.932	1100.622
23.0	1073.758	1095.585	1111.536	1093.906	1071.239
23.5	1043.535	1066.202	1085.511	1065.362	1041.016
24.0	1010.793	1037.658	1059.486	1035.979	1009.953
24.5	978.051	1007.435	1032.621	1006.595	977.212
25.0	945.310	976.372	1004.077	975.533	943.631
25.5	910.889	944.470	975.533	943.631	909.210
26.0	875.629	911.728	945.310	910.889	873.110
26.5	839.529	878.987	915.087	877.308	837.514

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CANDELA TABULATION - (Cont.)

27.0	803.681	844.566	884.024	842.887	800.323
27.5	768.085	810.145	851.282	808.131	764.391
28.0	731.817	775.641	818.961	772.702	726.864
28.5	695.802	740.716	785.799	737.274	690.764
29.0	660.793	706.380	752.806	701.678	654.749
29.5	628.220	671.791	719.728	667.426	618.481
30.0	594.303	639.217	686.567	632.165	582.885
30.5	560.218	605.300	654.245	597.409	549.052
31.0	527.224	572.811	622.511	564.499	514.463
31.5	495.322	540.069	590.021	531.254	480.127
32.0	463.252	508.503	559.294	499.268	445.370
32.5	431.434	478.364	528.483	468.625	413.384
33.0	400.455	449.148	498.680	439.158	383.245
33.5	369.729	421.444	469.549	410.278	354.785
34.0	340.681	394.579	442.096	381.986	325.737
34.5	313.648	368.637	415.651	355.373	298.201
35.0	288.546	343.032	390.465	330.858	274.442
35.5	265.711	318.181	366.874	307.771	253.034
36.0	244.303	295.010	344.375	284.768	231.374
36.5	224.994	273.351	323.135	262.689	211.561
37.0	207.616	253.118	303.322	243.128	195.610
37.5	191.748	234.480	284.768	225.749	181.758
38.0	177.644	217.438	267.474	208.875	167.906
38.5	164.716	201.907	251.271	192.756	155.145
39.0	153.634	187.887	236.243	178.820	145.155
39.5	143.476	174.790	222.307	167.066	136.759
40.0	134.660	163.037	209.462	155.984	128.112
40.5	126.853	152.291	197.289	145.155	120.556
41.0	119.969	142.804	185.704	136.004	114.680
41.5	114.008	134.157	175.042	128.532	109.391
42.0	108.551	126.433	165.051	121.480	104.186
42.5	103.934	119.549	155.817	114.848	99.820
43.0	99.400	113.588	146.834	109.139	96.126
43.5	95.706	108.047	138.354	104.353	92.684
44.0	91.928	103.346	130.379	99.904	89.326
44.5	88.822	98.897	123.243	95.706	86.471
45.0	85.800	95.035	116.778	92.180	83.953
45.5	83.029	91.341	110.818	88.990	81.350
46.0	80.511	88.067	105.109	86.052	78.916
46.5	77.992	85.044	99.988	83.197	76.733
47.0	75.726	82.190	95.370	80.595	74.550
47.5	73.459	79.587	91.173	78.244	72.283
48.0	71.360	77.069	87.227	75.893	70.269
48.5	69.261	74.718	83.533	73.711	68.338
49.0	67.330	72.535	80.175	71.612	66.323
49.5	65.399	70.353	77.069	69.513	64.476
50.0	63.636	68.338	74.130	67.498	62.629
50.5	61.789	66.407	71.360	65.567	60.866
51.0	60.110	64.476	68.841	63.720	59.103
51.5	58.431	62.713	66.491	61.957	57.508
52.0	56.836	60.950	64.140	60.278	55.913
52.5	55.325	59.271	61.957	58.515	54.401
53.0	53.814	57.592	59.858	56.836	52.806
53.5	52.387	55.997	57.844	55.241	51.379
54.0	50.959	54.401	55.913	53.646	49.952
54.5	49.616	52.890	54.066	52.135	48.609

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CANDELA TABULATION - (Cont.)

55.0	48.357	51.379	52.219	50.708	47.349
55.5	47.098	49.952	50.456	49.280	46.174
56.0	45.922	48.525	48.777	47.853	44.915
56.5	44.747	47.182	47.182	46.510	43.823
57.0	43.656	45.838	45.586	45.251	42.732
57.5	42.480	44.495	44.075	43.907	41.725
58.0	41.473	43.236	42.564	42.732	40.717
58.5	40.381	41.976	41.137	41.473	39.710
59.0	39.374	40.717	39.710	40.297	38.786
59.5	38.366	39.542	38.366	39.122	37.863
60.0	37.359	38.366	37.023	38.031	36.939
60.5	36.268	37.191	35.764	36.855	36.016
61.0	35.344	36.016	34.505	35.764	35.092
61.5	34.253	34.924	33.329	34.756	34.169
62.0	33.329	33.833	32.070	33.665	33.245
62.5	32.322	32.742	30.979	32.658	32.322
63.0	31.398	31.650	29.803	31.650	31.398
63.5	30.391	30.643	28.712	30.559	30.475
64.0	29.467	29.551	27.621	29.635	29.551
64.5	28.544	28.544	26.613	28.628	28.544
65.0	27.621	27.537	25.522	27.621	27.704
65.5	26.697	26.529	24.598	26.613	26.697
66.0	25.774	25.522	23.591	25.690	25.857
66.5	24.850	24.598	22.667	24.682	24.850
67.0	23.927	23.591	21.660	23.759	24.011
67.5	23.003	22.667	20.736	22.835	23.087
68.0	22.164	21.744	19.897	21.912	22.248
68.5	21.240	20.820	18.973	21.072	21.324
69.0	20.317	19.897	18.134	20.149	20.401
69.5	19.477	19.057	17.294	19.225	19.561
70.0	18.554	18.134	16.455	18.386	18.721
70.5	17.630	17.210	15.699	17.462	17.798
71.0	16.791	16.371	14.860	16.623	16.958
71.5	15.867	15.531	14.104	15.783	16.035
72.0	15.028	14.692	13.349	14.860	15.195
72.5	14.104	13.852	12.509	14.020	14.356
73.0	13.265	13.013	11.837	13.265	13.432
73.5	12.425	12.173	11.082	12.425	12.593
74.0	11.502	11.418	10.410	11.585	11.669
74.5	10.662	10.578	9.655	10.746	10.746
75.0	9.739	9.822	8.983	9.990	9.822
75.5	8.731	9.067	8.395	9.151	8.815
76.0	7.724	8.227	7.724	8.311	7.640
76.5	6.632	7.472	7.136	7.472	6.800
77.0	5.793	6.548	6.548	6.548	6.129
77.5	4.953	5.793	5.961	5.877	5.373
78.0	4.533	5.121	5.457	5.289	4.617
78.5	4.282	4.533	4.953	4.701	4.198
79.0	4.030	4.114	4.450	4.114	3.946
79.5	3.778	3.862	4.114	3.778	3.694
80.0	3.610	3.610	3.694	3.526	3.526
80.5	3.358	3.358	3.442	3.358	3.274
81.0	3.106	3.190	3.106	3.106	3.022
81.5	2.938	2.938	2.854	2.854	2.854
82.0	2.686	2.770	2.686	2.686	2.603
82.5	2.519	2.519	2.435	2.435	2.435

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CANDELA TABULATION - (Cont.)

83.0	2.351	2.351	2.267	2.267	2.267
83.5	2.099	2.099	2.015	2.099	2.015
84.0	1.931	1.931	1.847	1.847	1.847
84.5	1.763	1.763	1.679	1.679	1.679
85.0	1.511	1.511	1.511	1.511	1.511
85.5	1.343	1.343	1.343	1.343	1.343
86.0	1.175	1.175	1.175	1.175	1.175
86.5	1.007	1.007	0.923	1.007	1.007
87.0	0.840	0.840	0.840	0.840	0.840
87.5	0.672	0.672	0.672	0.672	0.672
88.0	0.504	0.504	0.504	0.504	0.504
88.5	0.420	0.336	0.336	0.336	0.420
89.0	0.252	0.252	0.252	0.252	0.252
89.5	0.168	0.168	0.168	0.168	0.168
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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PHOTOMETRIC FILENAME : 2DS-L15-940-DIM-UNV-RW-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-L15-940-DIM-UNV-RW-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-L15-940-DIM-UNV-RW-OF-WH_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	535.45	N.A.	39.50
0-30	971.74	N.A.	71.70
0-40	1190.9	N.A.	87.90
0-60	1315.78	N.A.	97.10
0-80	1353.15	N.A.	99.90
0-90	1354.89	N.A.	100.00
10-90	1209.18	N.A.	89.20
20-40	655.45	N.A.	48.40
20-50	734.55	N.A.	54.20
40-70	151.86	N.A.	11.20
60-80	37.36	N.A.	2.80
70-80	10.39	N.A.	0.80
80-90	1.75	N.A.	0.10
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	1354.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.71
10-20	389.74
20-30	436.30
30-40	219.15
40-50	79.10
50-60	45.79
60-70	26.98
70-80	10.39
80-90	1.75
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-L15-940-DIM-UNV-RW-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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79
4	96	89	83	78	95	87	82	78	85	81	77	83	79	76	81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60
8	79	69	63	59	77	68	63	59	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2DS-L15-940-DIM-UNV-RW-OF-WH_.IES

UGR TABLE - CORRECTED

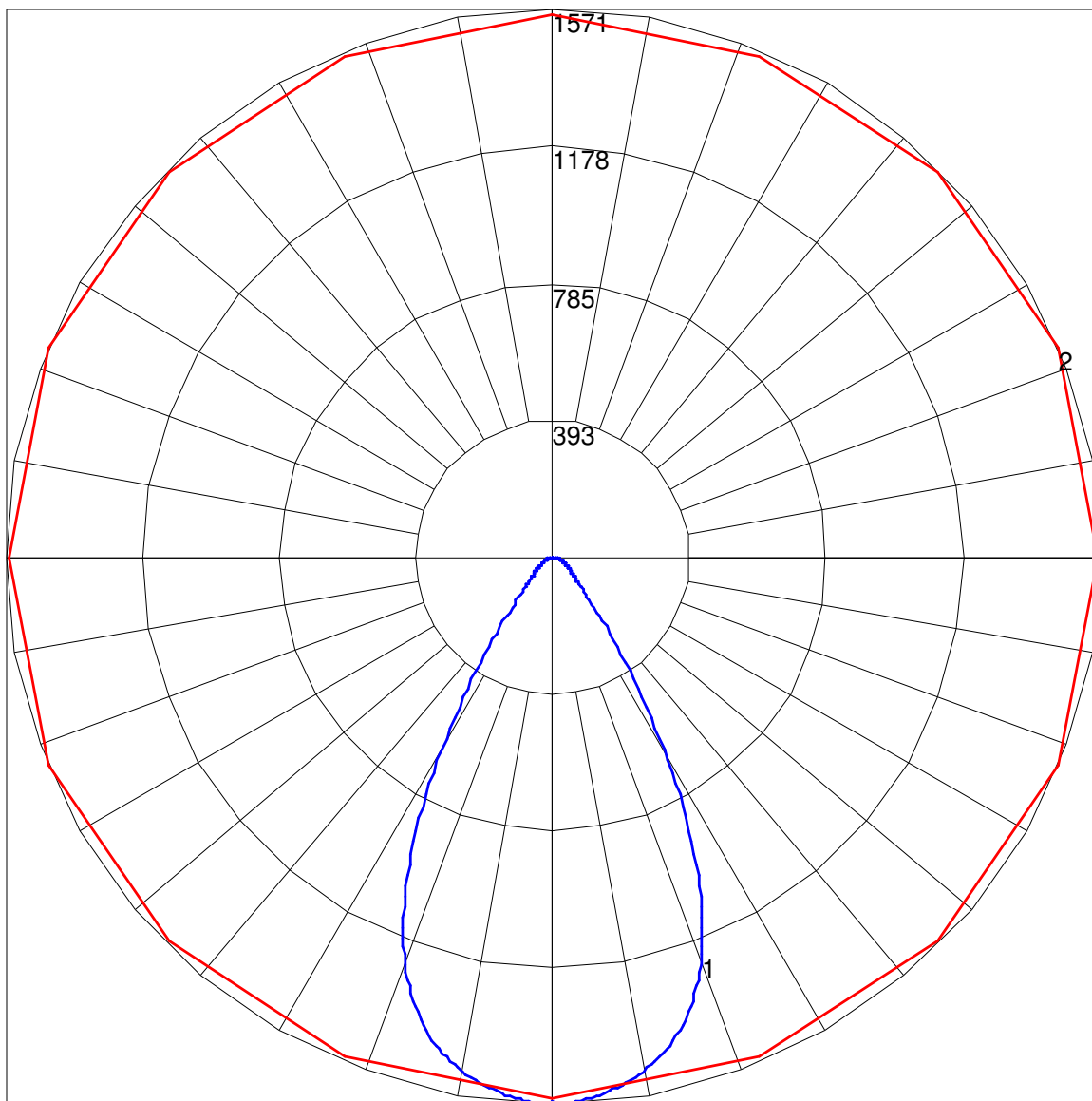
Reflectances

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	17.7	18.8	18.1	19.1	19.4	17.7	18.7	18.0	19.0	19.3
	3H	18.8	19.8	19.2	20.1	20.5	18.8	19.7	19.2	20.1	20.4
	4H	19.1	19.9	19.5	20.3	20.7	19.1	19.9	19.5	20.3	20.6
	6H	19.1	19.9	19.5	20.2	20.6	19.0	19.8	19.5	20.2	20.6
	8H	19.1	19.8	19.5	20.2	20.6	19.0	19.8	19.5	20.2	20.6
	12H	19.0	19.7	19.5	20.1	20.5	19.0	19.7	19.4	20.1	20.5
4H	2H	18.0	18.9	18.4	19.2	19.6	17.9	18.8	18.3	19.1	19.5
	3H	19.2	19.9	19.7	20.3	20.8	19.2	19.9	19.6	20.3	20.7
	4H	19.5	20.2	20.0	20.6	21.0	19.5	20.1	19.9	20.6	21.0
	6H	19.6	20.1	20.0	20.6	21.0	19.6	20.1	20.0	20.5	21.0
	8H	19.5	20.1	20.0	20.5	21.0	19.5	20.0	20.0	20.5	21.0
	12H	19.5	20.0	20.0	20.5	20.9	19.5	19.9	20.0	20.4	20.9
8H	4H	19.5	20.0	20.0	20.5	21.0	19.5	20.0	20.0	20.5	20.9
	6H	19.6	20.0	20.1	20.5	21.0	19.6	20.0	20.1	20.5	21.0
	8H	19.6	20.0	20.1	20.5	21.0	19.6	19.9	20.1	20.5	21.0
	12H	19.6	19.9	20.1	20.4	21.0	19.6	19.9	20.1	20.4	21.0
12H	4H	19.5	19.9	20.0	20.4	20.9	19.5	19.9	19.9	20.4	20.9
	6H	19.6	19.9	20.1	20.4	20.9	19.6	19.9	20.1	20.4	20.9
	8H	19.6	19.9	20.1	20.4	21.0	19.6	19.9	20.1	20.4	21.0

Maximum UGR = 21.0

POLAR GRAPH



Maximum Candela = 1570.759 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)