

IES INDOOR REPORT

PHOTOMETRIC FILENAME : AP-14-L30-840-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15060098.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 29 Nov, 2023

[TEST DATE] 11/20/2023

[MANUFAC] H E Williams Inc

[LUMCAT] AP-14-L30-840-DIM-UNV

[LUMINAIRE] White Recessed 1 X 4 Luminaire with arched center

[LAMP] 168 LEDs

[BALLAST] Advance/ Signify 49w Certadrive X C1049C102V048CDX1

[OTHER] 25.3 C, 120.053 V, 0.343868 A, 40.843 W, 0.989361 PF, 59.9703

[MORE] Hz

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

[OTHER] The reported results were measured in a facility that meets th

[MORE] e requirements of ANSI/IES LM-75-19. The device under test emits no de

[MORE] tectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3096
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	22.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	0.87 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3322	3308	3353
55	3198	3183	3224
65	3025	3017	2950
75	2786	2595	2385
85	2242	1159	561

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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	1105.893	1105.893	1105.893	1105.893	1105.893
0.5	1110.688	1105.294	1102.297	1106.492	1108.291
1.0	1110.089	1105.893	1102.896	1105.893	1108.890
1.5	1110.089	1105.294	1101.697	1106.492	1108.291
2.0	1109.489	1104.095	1101.697	1105.893	1106.492
2.5	1110.089	1103.495	1101.098	1105.294	1105.893
3.0	1108.890	1102.896	1100.498	1104.694	1107.092
3.5	1108.890	1101.697	1099.899	1103.495	1107.691
4.0	1108.890	1101.697	1099.899	1102.896	1106.492
4.5	1105.893	1100.498	1096.303	1102.297	1104.694
5.0	1104.095	1101.098	1096.303	1101.098	1104.095
5.5	1103.495	1099.300	1096.303	1100.498	1103.495
6.0	1102.297	1097.501	1093.905	1099.300	1101.697
6.5	1100.498	1096.303	1092.706	1096.902	1101.098
7.0	1099.300	1094.504	1090.908	1095.703	1098.700
7.5	1099.300	1092.706	1088.510	1093.306	1096.902
8.0	1095.703	1090.309	1088.510	1092.107	1095.703
8.5	1094.504	1089.709	1086.712	1089.709	1094.504
9.0	1090.908	1087.911	1084.315	1087.911	1093.905
9.5	1089.709	1085.513	1083.116	1085.513	1090.908
10.0	1086.712	1083.116	1080.718	1086.113	1087.312
10.5	1084.315	1080.119	1078.321	1083.116	1086.712
11.0	1083.116	1078.321	1077.122	1080.119	1086.113
11.5	1081.318	1075.324	1074.125	1078.920	1081.917
12.0	1077.721	1073.525	1069.929	1076.522	1077.721
12.5	1075.324	1070.528	1068.131	1073.525	1076.522
13.0	1071.727	1066.333	1065.733	1071.128	1072.926
13.5	1069.330	1064.534	1062.137	1068.730	1071.727
14.0	1066.333	1061.537	1059.140	1065.134	1069.330
14.5	1063.336	1057.342	1057.941	1062.137	1066.333
15.0	1060.938	1055.543	1054.345	1058.540	1062.736
15.5	1056.742	1051.947	1050.149	1056.143	1059.140
16.0	1053.745	1049.549	1047.152	1052.546	1056.143
16.5	1049.549	1045.354	1043.555	1048.351	1052.546
17.0	1046.552	1040.558	1039.959	1044.155	1049.549
17.5	1043.555	1037.561	1035.763	1040.558	1044.754
18.0	1038.161	1033.366	1032.766	1038.161	1039.959
18.5	1035.164	1030.968	1028.570	1033.965	1035.164
19.0	1031.567	1026.772	1023.775	1029.769	1032.167
19.5	1028.570	1021.977	1020.778	1026.772	1028.570
20.0	1024.375	1018.980	1015.983	1021.378	1024.375
20.5	1018.381	1014.784	1011.787	1015.983	1020.179
21.0	1013.585	1009.989	1007.591	1012.986	1016.582
21.5	1009.390	1003.995	1002.796	1008.790	1010.588
22.0	1005.194	1000.399	997.402	1003.396	1006.393
22.5	1001.597	995.603	992.606	999.799	1003.995
23.0	996.802	990.209	989.010	995.004	999.799
23.5	990.808	986.013	984.215	991.408	993.206
24.0	986.612	982.417	979.420	986.013	988.411
24.5	981.817	977.022	976.423	981.817	984.215
25.0	977.621	972.227	970.429	976.423	979.420
25.5	972.227	968.031	965.034	971.028	974.025
26.0	966.233	962.037	960.838	966.233	969.829
26.5	960.838	956.043	956.043	961.438	965.034

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CANDELA TABULATION - (Cont.)

27.0	956.642	951.847	951.248	957.242	959.639
27.5	950.648	945.853	945.853	951.847	956.043
28.0	943.456	940.459	939.260	946.453	948.251
28.5	939.260	936.263	933.865	941.058	942.856
29.0	933.865	930.269	929.070	935.064	939.859
29.5	927.871	925.474	923.675	929.669	932.067
30.0	920.678	918.880	917.681	923.076	927.871
30.5	916.483	912.886	911.687	918.281	921.278
31.0	912.287	906.892	905.693	912.287	914.085
31.5	905.693	900.898	899.100	906.293	910.489
32.0	900.299	894.904	893.705	900.898	903.296
32.5	892.507	887.711	887.112	893.705	896.702
33.0	887.112	881.717	881.118	887.112	891.907
33.5	881.717	875.723	875.124	881.717	886.513
34.0	874.525	870.329	869.130	876.922	879.320
34.5	866.133	863.136	862.537	869.729	873.326
35.0	861.338	857.741	855.943	864.335	867.332
35.5	855.943	851.148	849.949	857.741	861.338
36.0	849.949	844.555	843.356	850.549	853.546
36.5	842.756	837.362	837.362	843.955	846.952
37.0	834.964	830.169	831.368	837.362	839.759
37.5	828.371	823.576	823.576	830.169	833.166
38.0	822.976	816.383	816.982	822.976	824.774
38.5	815.184	810.389	810.988	816.383	818.780
39.0	806.792	803.795	803.795	809.789	812.187
39.5	800.199	796.003	796.603	803.196	806.193
40.0	792.407	789.410	790.609	796.003	799.600
40.5	787.612	782.217	783.416	788.211	793.606
41.0	779.220	775.024	775.624	782.217	784.615
41.5	772.027	769.030	769.030	775.624	778.621
42.0	765.434	761.238	760.639	767.232	770.828
42.5	758.241	752.846	754.045	759.440	763.036
43.0	749.250	746.852	746.852	752.846	756.443
43.5	742.657	739.060	738.461	745.054	749.250
44.0	735.464	732.467	731.867	737.861	742.057
44.5	728.271	725.274	724.675	730.669	734.265
45.0	720.479	717.482	717.482	723.476	727.072
45.5	712.687	710.289	709.690	715.684	718.681
46.0	705.494	701.298	701.897	708.491	710.289
46.5	698.301	693.506	695.304	701.298	703.696
47.0	689.909	686.912	686.912	693.506	694.705
47.5	682.117	679.120	679.720	685.114	686.912
48.0	674.325	671.328	671.927	677.322	678.521
48.5	666.533	664.135	663.536	669.530	671.927
49.0	659.939	656.343	655.744	662.337	663.536
49.5	650.948	648.551	647.951	653.945	655.144
50.0	643.756	640.159	641.358	646.153	647.951
50.5	635.963	632.367	632.966	638.361	639.560
51.0	626.972	623.975	624.575	629.969	631.768
51.5	619.180	616.183	616.183	623.376	623.975
52.0	611.388	607.792	608.990	614.385	614.984
52.5	603.596	599.999	600.599	605.993	607.792
53.0	595.264	592.027	591.907	597.842	599.400
53.5	586.213	584.055	584.235	589.570	591.248
54.0	578.541	576.503	576.563	582.017	582.976
54.5	570.988	567.752	568.111	573.925	575.484

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55.0	562.537	559.720	560.019	565.834	567.092
55.5	553.846	551.208	551.748	557.562	559.180
56.0	546.413	542.577	543.476	548.811	551.028
56.5	537.722	534.425	535.384	540.419	541.618
57.0	529.030	525.914	526.813	532.387	532.567
57.5	520.819	518.241	518.541	523.576	523.456
58.0	512.967	509.430	510.329	514.825	514.885
58.5	504.155	500.799	501.638	505.774	506.193
59.0	495.404	492.647	493.426	497.202	495.884
59.5	487.612	483.716	484.855	488.451	486.293
60.0	478.741	475.804	476.703	479.220	478.321
60.5	469.390	466.933	467.892	470.349	468.611
61.0	461.118	458.061	459.380	461.358	458.841
61.5	452.667	449.790	451.108	451.888	449.370
62.0	443.856	441.218	442.237	442.297	440.619
62.5	435.104	432.467	433.786	432.587	430.369
63.0	426.293	423.656	425.214	423.057	420.719
63.5	418.561	415.144	416.343	413.526	411.428
64.0	409.390	406.873	408.012	404.415	402.078
64.5	400.759	398.421	399.260	395.244	392.367
65.0	392.068	389.250	391.108	385.594	382.417
65.5	383.256	381.039	381.998	376.004	372.767
66.0	375.404	373.007	373.366	366.773	363.416
66.5	367.372	364.555	364.435	356.883	353.107
67.0	358.141	356.104	355.264	347.592	344.116
67.5	349.390	347.952	346.333	338.481	335.484
68.0	340.999	339.380	337.103	329.250	326.134
68.5	332.487	330.629	328.291	319.780	316.124
69.0	324.395	322.297	319.780	309.830	306.953
69.5	316.124	313.906	310.429	300.239	297.302
70.0	307.972	305.634	301.019	290.889	287.352
70.5	299.280	297.063	291.368	280.999	277.762
71.0	289.870	288.611	281.838	271.468	267.992
71.5	281.179	279.800	272.307	261.578	257.742
72.0	272.547	271.049	263.077	251.748	247.912
72.5	263.496	262.477	253.546	241.618	238.022
73.0	254.925	253.906	243.896	231.968	228.371
73.5	246.293	245.514	234.246	222.557	218.421
74.0	237.962	237.243	224.955	213.027	208.591
74.5	229.810	228.911	215.424	203.316	199.181
75.0	221.119	219.920	205.954	193.666	189.291
75.5	212.907	211.169	196.363	184.016	179.221
76.0	204.395	202.297	187.073	174.246	169.330
76.5	195.704	194.026	177.842	164.835	159.860
77.0	187.372	185.634	168.431	155.484	150.150
77.5	179.520	176.883	159.021	145.834	140.499
78.0	171.368	167.832	149.790	136.423	130.849
78.5	163.277	158.901	140.919	127.073	121.139
79.0	155.185	150.150	131.628	117.722	111.668
79.5	146.673	141.279	122.637	108.372	102.437
80.0	138.821	132.467	113.586	99.261	93.446
80.5	130.849	123.596	104.715	90.270	84.695
81.0	122.817	114.965	96.024	82.178	75.764
81.5	115.145	106.274	87.153	73.606	67.432
82.0	107.233	97.522	78.461	64.316	58.981
82.5	99.201	88.891	69.830	55.924	51.069

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CANDELA TABULATION - (Cont.)

83.0	91.049	80.200	62.098	48.012	43.157
83.5	83.077	71.808	53.706	40.639	35.544
84.0	75.285	63.836	45.734	33.327	28.352
84.5	67.552	55.804	38.242	26.254	21.279
85.0	59.940	47.772	30.989	19.600	14.985
85.5	52.208	40.220	24.096	14.026	10.489
86.0	44.775	33.027	18.222	9.830	7.912
86.5	37.702	25.834	13.427	7.193	5.694
87.0	30.929	19.840	9.471	5.634	4.855
87.5	24.815	14.985	6.653	4.615	4.316
88.0	19.301	10.909	4.975	4.555	3.836
88.5	14.326	7.133	4.735	4.795	3.357
89.0	10.430	4.316	3.057	4.495	2.877
89.5	6.953	2.637	2.278	3.776	1.978
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 : AP-14-L30-840-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
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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 : AP-14-L30-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	402.74	N.A.	13.00
0-30	851.70	N.A.	27.50
0-40	1389.73	N.A.	44.90
0-60	2447.68	N.A.	79.10
0-80	3049.52	N.A.	98.50
0-90	3096.37	N.A.	100.00
10-90	2991.84	N.A.	96.60
20-40	986.99	N.A.	31.90
20-50	1542.53	N.A.	49.80
40-70	1442.18	N.A.	46.60
60-80	601.85	N.A.	19.40
70-80	217.61	N.A.	7.00
80-90	46.84	N.A.	1.50
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	3096.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.52
10-20	298.22
20-30	448.96
30-40	538.03
40-50	555.54
50-60	502.40
60-70	384.24
70-80	217.61
80-90	46.84
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 : AP-14-L30-840-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	123	123	123	123	120	120	120	120	114	114	114	110	110	110	105	105	105	103
1	112	107	103	99	109	105	101	97	100	97	94	96	94	91	93	91	89	86
2	102	93	86	80	99	91	85	79	88	82	78	84	80	76	81	77	74	72
3	93	82	73	67	90	80	72	66	77	71	65	74	69	64	72	67	63	60
4	85	73	63	57	83	71	63	56	69	61	55	66	60	55	64	58	54	52
5	78	65	55	49	76	64	55	48	61	54	48	59	53	47	57	52	47	45
6	72	58	49	42	70	57	49	42	55	48	42	54	47	41	52	46	41	39
7	67	53	44	37	65	52	43	37	50	43	37	49	42	37	48	41	36	34
8	62	48	39	33	61	48	39	33	46	39	33	45	38	33	44	37	33	31
9	58	44	36	30	57	44	36	30	42	35	30	41	35	30	40	34	29	28
10	55	41	33	27	53	40	32	27	39	32	27	38	32	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-840-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

X=2H	Y=2H	16.1	17.7	16.4	18.0	18.3	UGR Viewed Endwise			
	3H	18.0	19.5	18.3	19.8	20.1	16.1	17.8	16.5	18.1
	4H	18.7	20.1	19.1	20.5	20.8	17.9	19.4	18.3	19.7
	6H	19.3	20.6	19.7	20.9	21.3	18.5	19.9	18.9	20.2
	8H	19.5	20.7	19.9	21.1	21.5	18.8	20.1	19.2	20.5
	12H	19.6	20.8	20.0	21.2	21.6	18.9	20.1	19.3	20.5

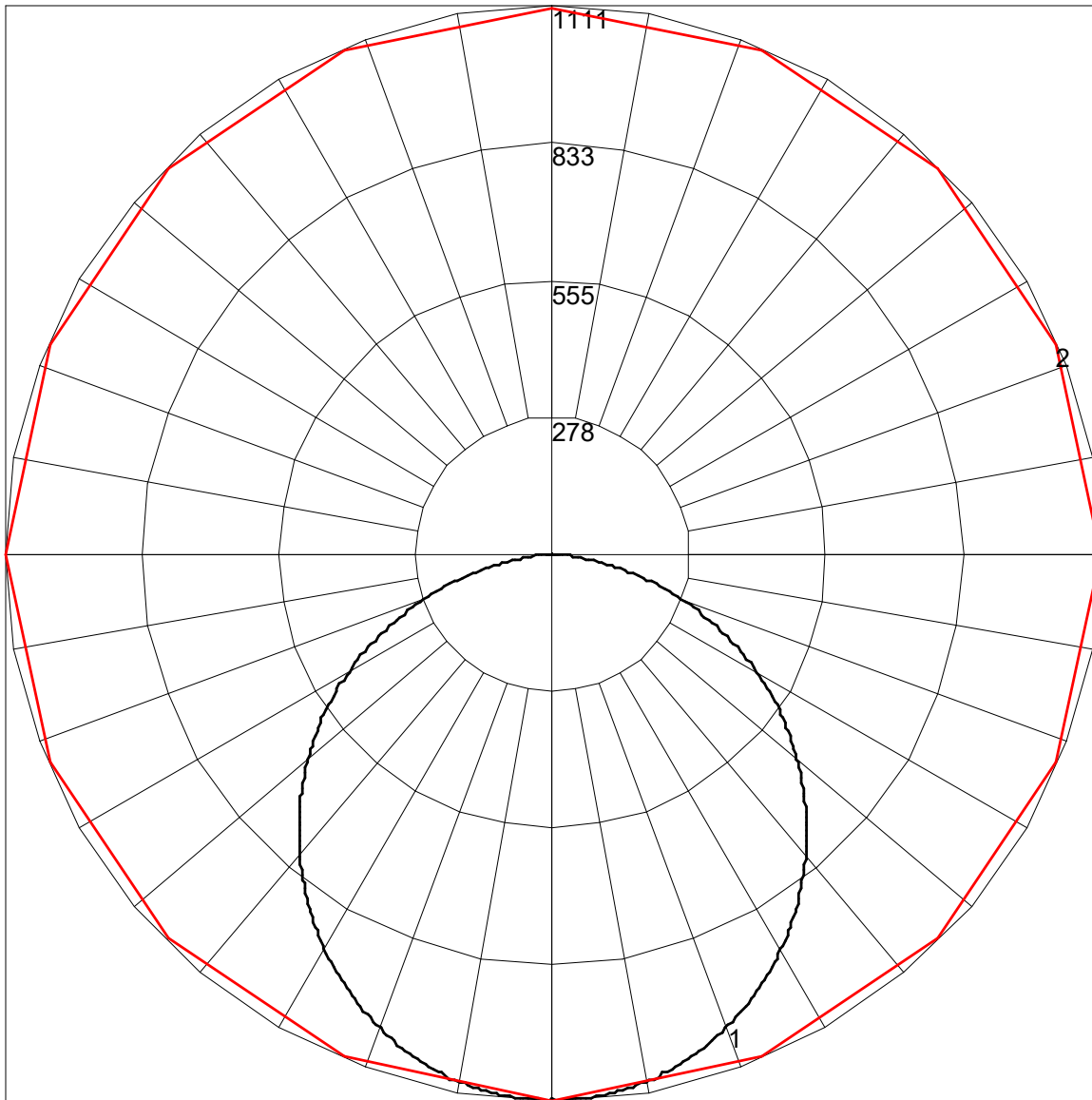
4H	2H	16.7	18.1	17.1	18.5	18.8	16.8	18.2	17.2	18.5
	3H	18.9	20.0	19.3	20.4	20.8	18.8	19.9	19.2	20.3
	4H	19.7	20.8	20.2	21.2	21.6	19.4	20.5	19.9	20.9
	6H	20.4	21.3	20.9	21.8	22.2	19.9	20.8	20.3	21.3
	8H	20.6	21.5	21.1	22.0	22.4	20.0	20.8	20.4	21.3
	12H	20.8	21.6	21.3	22.1	22.5	20.0	20.8	20.5	21.2

8H	4H	20.0	20.9	20.5	21.3	21.8	19.8	20.6	20.2	21.1
	6H	20.8	21.5	21.3	22.0	22.5	20.3	21.0	20.8	21.5
	8H	21.1	21.8	21.6	22.3	22.8	20.4	21.1	20.9	21.6
	12H	21.4	21.9	21.9	22.4	23.0	20.5	21.0	21.0	21.5

12H	4H	20.0	20.8	20.5	21.3	21.7	19.8	20.6	20.3	21.1
	6H	20.9	21.5	21.4	22.0	22.5	20.4	21.0	20.9	21.5
	8H	21.2	21.8	21.7	22.3	22.8	20.5	21.1	21.0	21.6

Maximum UGR = 23.0

POLAR GRAPH



Maximum Candela = 1110.688 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.)