

IES INDOOR REPORT

PHOTOMETRIC FILENAME : AP-14-L30-830-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-L30-830-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	2976
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-830-DIM-UNV_.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3193	3180	3222
55	3073	3060	3098
65	2907	2900	2836
75	2677	2494	2292
85	2155	1114	539

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-830-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	1062.904	1062.904	1062.904	1062.904	1062.904
0.5	1067.513	1062.328	1059.448	1063.481	1065.209
1.0	1066.937	1062.904	1060.024	1062.904	1065.785
1.5	1066.937	1062.328	1058.872	1063.481	1065.209
2.0	1066.361	1061.176	1058.872	1062.904	1063.481
2.5	1066.937	1060.600	1058.296	1062.328	1062.904
3.0	1065.785	1060.024	1057.720	1061.752	1064.057
3.5	1065.785	1058.872	1057.143	1060.600	1064.633
4.0	1065.785	1058.872	1057.143	1060.024	1063.481
4.5	1062.904	1057.720	1053.687	1059.448	1061.752
5.0	1061.176	1058.296	1053.687	1058.296	1061.176
5.5	1060.600	1056.567	1053.687	1057.720	1060.600
6.0	1059.448	1054.839	1051.382	1056.567	1058.872
6.5	1057.720	1053.687	1050.230	1054.263	1058.296
7.0	1056.567	1051.959	1048.502	1053.111	1055.991
7.5	1056.567	1050.230	1046.198	1050.806	1054.263
8.0	1053.111	1047.926	1046.198	1049.654	1053.111
8.5	1051.959	1047.350	1044.469	1047.350	1051.959
9.0	1048.502	1045.621	1042.165	1045.621	1051.382
9.5	1047.350	1043.317	1041.013	1043.317	1048.502
10.0	1044.469	1041.013	1038.708	1043.893	1045.045
10.5	1042.165	1038.132	1036.404	1041.013	1044.469
11.0	1041.013	1036.404	1035.252	1038.132	1043.893
11.5	1039.284	1033.523	1032.371	1036.980	1039.860
12.0	1035.828	1031.795	1028.338	1034.676	1035.828
12.5	1033.523	1028.915	1026.610	1031.795	1034.676
13.0	1030.067	1024.882	1024.306	1029.491	1031.219
13.5	1027.762	1023.154	1020.849	1027.186	1030.067
14.0	1024.882	1020.273	1017.969	1023.730	1027.762
14.5	1022.001	1016.240	1016.816	1020.849	1024.882
15.0	1019.697	1014.512	1013.360	1017.393	1021.425
15.5	1015.664	1011.055	1009.327	1015.088	1017.969
16.0	1012.784	1008.751	1006.447	1011.632	1015.088
16.5	1008.751	1004.718	1002.990	1007.599	1011.632
17.0	1005.871	1000.110	999.533	1003.566	1008.751
17.5	1002.990	997.229	995.501	1000.110	1004.142
18.0	997.805	993.196	992.620	997.805	999.533
18.5	994.925	990.892	988.588	993.772	994.925
19.0	991.468	986.859	983.979	989.740	992.044
19.5	988.588	982.250	981.098	986.859	988.588
20.0	984.555	979.370	976.489	981.674	984.555
20.5	978.794	975.337	972.457	976.489	980.522
21.0	974.185	970.728	968.424	973.609	977.066
21.5	970.152	964.967	963.815	969.576	971.305
22.0	966.120	961.511	958.630	964.391	967.272
22.5	962.663	956.902	954.022	960.935	964.967
23.0	958.054	951.717	950.565	956.326	960.935
23.5	952.293	947.684	945.956	952.869	954.598
24.0	948.261	944.228	941.347	947.684	949.989
24.5	943.652	939.043	938.467	943.652	945.956
25.0	939.619	934.434	932.706	938.467	941.347
25.5	934.434	930.401	927.521	933.282	936.162
26.0	928.673	924.640	923.488	928.673	932.130
26.5	923.488	918.879	918.879	924.064	927.521

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	919.456	914.847	914.271	920.032	922.336
27.5	913.695	909.086	909.086	914.847	918.879
28.0	906.781	903.901	902.749	909.662	911.390
28.5	902.749	899.868	897.564	904.477	906.205
29.0	897.564	894.107	892.955	898.716	903.325
29.5	891.803	889.498	887.770	893.531	895.835
30.0	884.890	883.161	882.009	887.194	891.803
30.5	880.857	877.400	876.248	882.585	885.466
31.0	876.824	871.639	870.487	876.824	878.552
31.5	870.487	865.878	864.150	871.063	875.096
32.0	865.302	860.117	858.965	865.878	868.183
32.5	857.813	853.204	852.628	858.965	861.846
33.0	852.628	847.443	846.867	852.628	857.237
33.5	847.443	841.682	841.106	847.443	852.052
34.0	840.530	836.497	835.345	842.834	845.139
34.5	832.464	829.584	829.008	835.921	839.378
35.0	827.856	824.399	822.671	830.736	833.617
35.5	822.671	818.062	816.910	824.399	827.856
36.0	816.910	811.725	810.573	817.486	820.366
36.5	809.997	804.812	804.812	811.149	814.029
37.0	802.507	797.898	799.051	804.812	807.116
37.5	796.170	791.561	791.561	797.898	800.779
38.0	790.985	784.648	785.224	790.985	792.714
38.5	783.496	778.887	779.463	784.648	786.953
39.0	775.431	772.550	772.550	778.311	780.615
39.5	769.093	765.061	765.637	771.974	774.854
40.0	761.604	758.724	759.876	765.061	768.517
40.5	756.995	751.810	752.963	757.571	762.756
41.0	748.930	744.897	745.473	751.810	754.115
41.5	742.017	739.136	739.136	745.473	748.354
42.0	735.680	731.647	731.071	737.408	740.865
42.5	728.766	723.582	724.734	729.919	733.375
43.0	720.125	717.821	717.821	723.582	727.038
43.5	713.788	710.331	709.755	716.092	720.125
44.0	706.875	703.994	703.418	709.179	713.212
44.5	699.961	697.081	696.505	702.266	705.722
45.0	692.472	689.592	689.592	695.353	698.809
45.5	684.983	682.678	682.102	687.863	690.744
46.0	678.070	674.037	674.613	680.950	682.678
46.5	671.156	666.548	668.276	674.037	676.341
47.0	663.091	660.211	660.211	666.548	667.700
47.5	655.602	652.721	653.297	658.482	660.211
48.0	648.112	645.232	645.808	650.993	652.145
48.5	640.623	638.319	637.743	643.504	645.808
49.0	634.286	630.829	630.253	636.590	637.743
49.5	625.645	623.340	622.764	628.525	629.677
50.0	618.731	615.275	616.427	621.036	622.764
50.5	611.242	607.785	608.362	613.546	614.699
51.0	602.601	599.720	600.296	605.481	607.209
51.5	595.111	592.231	592.231	599.144	599.720
52.0	587.622	584.165	585.318	590.502	591.079
52.5	580.133	576.676	577.252	582.437	584.165
53.0	572.125	569.014	568.899	574.602	576.100
53.5	563.426	561.352	561.525	566.652	568.265
54.0	556.052	554.093	554.151	559.393	560.315
54.5	548.793	545.682	546.028	551.616	553.114

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	540.670	537.962	538.250	543.838	545.048
55.5	532.316	529.782	530.300	535.888	537.444
56.0	525.173	521.486	522.350	527.477	529.609
56.5	516.819	513.651	514.573	519.412	520.564
57.0	508.466	505.470	506.334	511.692	511.865
57.5	500.573	498.096	498.384	503.223	503.108
58.0	493.026	489.627	490.492	494.812	494.870
58.5	484.558	481.332	482.138	486.113	486.516
59.0	476.147	473.497	474.246	477.875	476.608
59.5	468.657	464.913	466.007	469.464	467.390
60.0	460.131	457.308	458.172	460.592	459.728
60.5	451.144	448.782	449.704	452.066	450.395
61.0	443.194	440.256	441.523	443.424	441.005
61.5	435.071	432.305	433.573	434.322	431.902
62.0	426.602	424.067	425.047	425.104	423.491
62.5	418.191	415.656	416.924	415.771	413.640
63.0	409.722	407.187	408.685	406.611	404.365
63.5	402.291	399.007	400.159	397.451	395.435
64.0	393.476	391.057	392.151	388.695	386.448
64.5	385.180	382.934	383.740	379.880	377.115
65.0	376.827	374.119	375.905	370.605	367.552
65.5	368.358	366.227	367.149	361.388	358.277
66.0	360.811	358.507	358.853	352.516	349.289
66.5	353.092	350.384	350.269	343.010	339.381
67.0	344.220	342.261	341.454	334.080	330.739
67.5	335.809	334.426	332.871	325.324	322.443
68.0	327.743	326.188	323.999	316.452	313.456
68.5	319.563	317.777	315.530	307.349	303.835
69.0	311.785	309.769	307.349	297.786	295.021
69.5	303.835	301.704	298.362	288.568	285.746
70.0	296.000	293.753	289.317	279.581	276.182
70.5	287.647	285.515	280.042	270.076	266.965
71.0	278.602	277.392	270.882	260.916	257.574
71.5	270.249	268.923	261.722	251.410	247.723
72.0	261.953	260.512	252.850	241.962	238.275
72.5	253.254	252.274	243.690	232.226	228.769
73.0	245.015	244.036	234.415	222.951	219.494
73.5	236.719	235.971	225.140	213.906	209.931
74.0	228.712	228.020	216.210	204.746	200.483
74.5	220.877	220.013	207.050	195.413	191.438
75.0	212.523	211.371	197.948	186.138	181.932
75.5	204.631	202.960	188.730	176.863	172.254
76.0	196.450	194.434	179.801	167.472	162.748
76.5	188.097	186.484	170.929	158.427	153.646
77.0	180.089	178.418	161.884	149.440	144.313
77.5	172.542	170.007	152.839	140.165	135.038
78.0	164.707	161.308	143.967	131.120	125.763
78.5	156.930	152.724	135.441	122.133	116.430
79.0	149.152	144.313	126.512	113.146	107.327
79.5	140.972	135.787	117.870	104.159	98.455
80.0	133.425	127.318	109.171	95.402	89.814
80.5	125.763	118.792	100.645	86.761	81.403
81.0	118.043	110.496	92.291	78.983	72.819
81.5	110.669	102.143	83.765	70.745	64.811
82.0	103.064	93.731	75.411	61.816	56.688
82.5	95.345	85.436	67.116	53.750	49.084

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	87.510	77.082	59.684	46.146	41.479
83.5	79.847	69.017	51.619	39.060	34.163
84.0	72.358	61.355	43.956	32.031	27.250
84.5	64.926	53.635	36.755	25.233	20.452
85.0	57.610	45.915	29.784	18.838	14.402
85.5	50.178	38.656	23.159	13.481	10.082
86.0	43.035	31.743	17.513	9.448	7.605
86.5	36.237	24.830	12.905	6.913	5.473
87.0	29.727	19.069	9.102	5.415	4.666
87.5	23.851	14.402	6.395	4.436	4.148
88.0	18.550	10.485	4.782	4.378	3.687
88.5	13.769	6.856	4.551	4.609	3.226
89.0	10.024	4.148	2.938	4.321	2.765
89.5	6.683	2.535	2.189	3.629	1.901
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 : AP-14-L30-830-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 : AP-14-L30-830-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 : AP-14-L30-830-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 : AP-14-L30-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	387.08	N.A.	13.00
0-30	818.59	N.A.	27.50
0-40	1335.71	N.A.	44.90
0-60	2352.53	N.A.	79.10
0-80	2930.98	N.A.	98.50
0-90	2976.00	N.A.	100.00
10-90	2875.54	N.A.	96.60
20-40	948.63	N.A.	31.90
20-50	1482.57	N.A.	49.80
40-70	1386.12	N.A.	46.60
60-80	578.45	N.A.	19.40
70-80	209.15	N.A.	7.00
80-90	45.02	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	2976.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.46
10-20	286.62
20-30	431.51
30-40	517.12
40-50	533.95
50-60	482.87
60-70	369.30
70-80	209.15
80-90	45.02
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 : AP-14-L30-830-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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	101	101	101	99
1	108	103	99	95	105	101	97	93	97	93	91	93	90	88	89	87	85	83
2	98	90	83	77	95	88	82	76	84	79	75	81	77	73	78	74	71	69
3	89	79	71	64	87	77	70	64	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	79	68	60	54	66	59	53	64	57	52	61	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	69	56	47	41	67	55	47	41	53	46	40	52	45	40	50	44	40	37
7	64	51	42	36	63	50	42	36	48	41	36	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	54	42	34	29	41	34	29	40	33	28	39	33	28	27
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-830-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

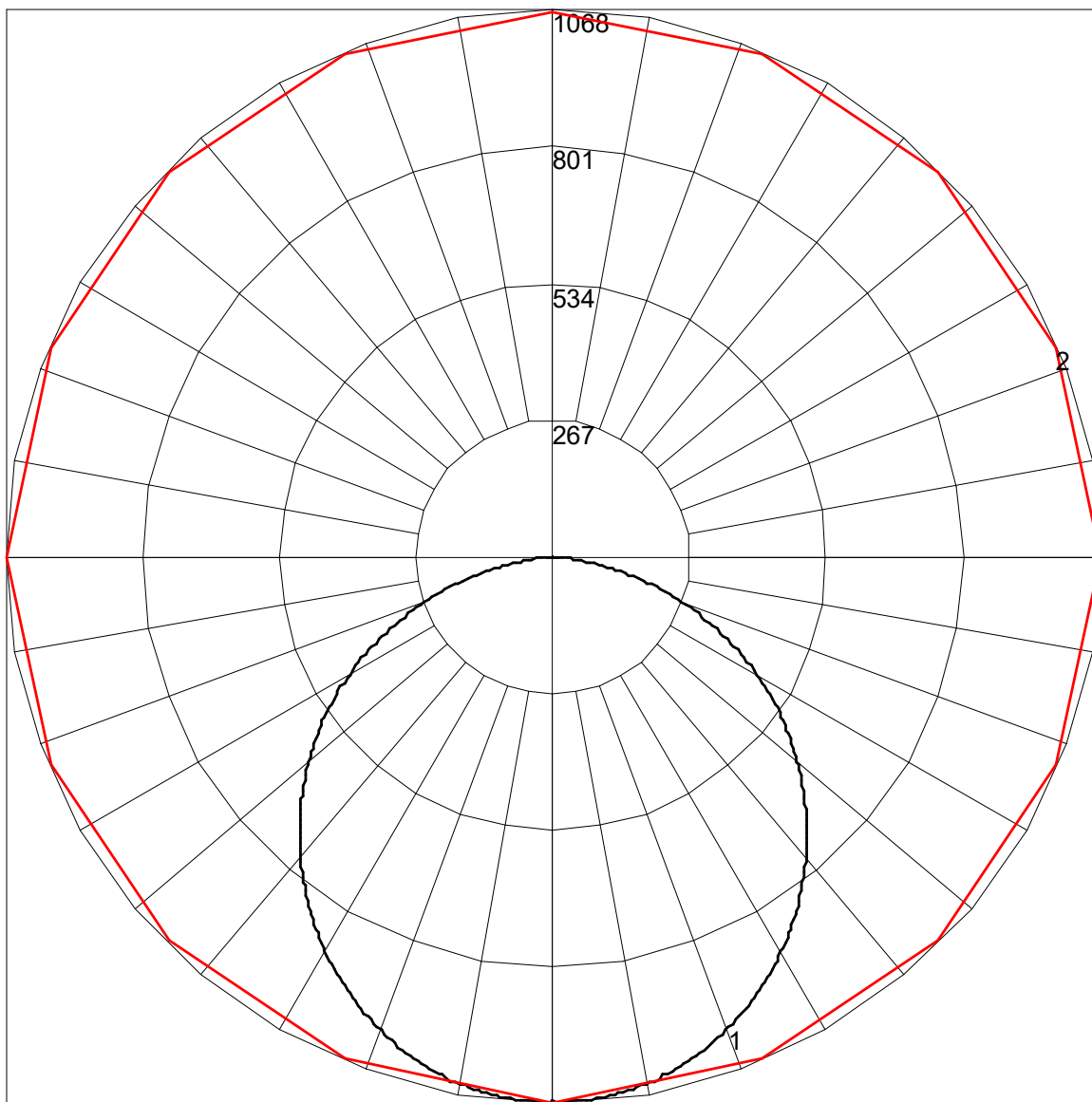
4H	2H	16.7	18.1	17.1	18.5	18.8	16.8	18.2	17.2	18.5
	3H	18.9	20.0	19.3	20.4	20.8	18.8	19.9	19.2	20.3
	4H	19.7	20.8	20.2	21.2	21.6	19.4	20.5	19.9	20.9
	6H	20.4	21.3	20.9	21.8	22.2	19.9	20.8	20.3	21.3
	8H	20.6	21.5	21.1	22.0	22.4	20.0	20.8	20.4	21.3
	12H	20.8	21.6	21.3	22.1	22.5	20.0	20.8	20.5	21.2

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 = 1067.513 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.)