

IES INDOOR REPORT

PHOTOMETRIC FILENAME : AP-14-L30-835-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-L30-835-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	3006
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
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	3226	3212	3255
55	3105	3091	3130
65	2937	2930	2865
75	2705	2519	2315
85	2177	1126	544

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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	1073.790	1073.790	1073.790	1073.790	1073.790
0.5	1078.446	1073.208	1070.298	1074.372	1076.118
1.0	1077.864	1073.790	1070.880	1073.790	1076.700
1.5	1077.864	1073.208	1069.716	1074.372	1076.118
2.0	1077.282	1072.044	1069.716	1073.790	1074.372
2.5	1077.864	1071.462	1069.134	1073.208	1073.790
3.0	1076.700	1070.880	1068.552	1072.626	1074.954
3.5	1076.700	1069.716	1067.970	1071.462	1075.536
4.0	1076.700	1069.716	1067.970	1070.880	1074.372
4.5	1073.790	1068.552	1064.478	1070.298	1072.626
5.0	1072.044	1069.134	1064.478	1069.134	1072.044
5.5	1071.462	1067.388	1064.478	1068.552	1071.462
6.0	1070.298	1065.642	1062.150	1067.388	1069.716
6.5	1068.552	1064.478	1060.986	1065.060	1069.134
7.0	1067.388	1062.732	1059.240	1063.896	1066.806
7.5	1067.388	1060.986	1056.912	1061.568	1065.060
8.0	1063.896	1058.658	1056.912	1060.404	1063.896
8.5	1062.732	1058.076	1055.166	1058.076	1062.732
9.0	1059.240	1056.330	1052.838	1056.330	1062.150
9.5	1058.076	1054.002	1051.674	1054.002	1059.240
10.0	1055.166	1051.674	1049.346	1054.584	1055.748
10.5	1052.838	1048.764	1047.018	1051.674	1055.166
11.0	1051.674	1047.018	1045.854	1048.764	1054.584
11.5	1049.928	1044.108	1042.944	1047.600	1050.510
12.0	1046.436	1042.362	1038.870	1045.272	1046.436
12.5	1044.108	1039.452	1037.124	1042.362	1045.272
13.0	1040.616	1035.378	1034.796	1040.034	1041.780
13.5	1038.288	1033.632	1031.304	1037.706	1040.616
14.0	1035.378	1030.722	1028.394	1034.214	1038.288
14.5	1032.468	1026.648	1027.230	1031.304	1035.378
15.0	1030.140	1024.902	1023.738	1027.812	1031.886
15.5	1026.066	1021.410	1019.664	1025.484	1028.394
16.0	1023.156	1019.082	1016.754	1021.992	1025.484
16.5	1019.082	1015.008	1013.262	1017.918	1021.992
17.0	1016.172	1010.352	1009.770	1013.844	1019.082
17.5	1013.262	1007.442	1005.696	1010.352	1014.426
18.0	1008.024	1003.368	1002.786	1008.024	1009.770
18.5	1005.114	1001.040	998.712	1003.950	1005.114
19.0	1001.622	996.966	994.056	999.876	1002.204
19.5	998.712	992.310	991.146	996.966	998.712
20.0	994.638	989.400	986.490	991.728	994.638
20.5	988.818	985.326	982.416	986.490	990.564
21.0	984.162	980.670	978.342	983.580	987.072
21.5	980.088	974.850	973.686	979.506	981.252
22.0	976.014	971.358	968.448	974.268	977.178
22.5	972.522	966.702	963.792	970.776	974.850
23.0	967.866	961.464	960.300	966.120	970.776
23.5	962.046	957.390	955.644	962.628	964.374
24.0	957.972	953.898	950.988	957.390	959.718
24.5	953.316	948.660	948.078	953.316	955.644
25.0	949.242	944.004	942.258	948.078	950.988
25.5	944.004	939.930	937.020	942.840	945.750
26.0	938.184	934.110	932.946	938.184	941.676
26.5	932.946	928.290	928.290	933.528	937.020

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27.0	928.872	924.216	923.634	929.454	931.782
27.5	923.052	918.396	918.396	924.216	928.290
28.0	916.068	913.158	911.994	918.978	920.724
28.5	911.994	909.084	906.756	913.740	915.486
29.0	906.756	903.264	902.100	907.920	912.576
29.5	900.936	898.608	896.862	902.682	905.010
30.0	893.952	892.206	891.042	896.280	900.936
30.5	889.878	886.386	885.222	891.624	894.534
31.0	885.804	880.566	879.402	885.804	887.550
31.5	879.402	874.746	873.000	879.984	884.058
32.0	874.164	868.926	867.762	874.746	877.074
32.5	866.598	861.942	861.360	867.762	870.672
33.0	861.360	856.122	855.540	861.360	866.016
33.5	856.122	850.302	849.720	856.122	860.778
34.0	849.138	845.064	843.900	851.466	853.794
34.5	840.990	838.080	837.498	844.482	847.974
35.0	836.334	832.842	831.096	839.244	842.154
35.5	831.096	826.440	825.276	832.842	836.334
36.0	825.276	820.038	818.874	825.858	828.768
36.5	818.292	813.054	813.054	819.456	822.366
37.0	810.726	806.070	807.234	813.054	815.382
37.5	804.324	799.668	799.668	806.070	808.980
38.0	799.086	792.684	793.266	799.086	800.832
38.5	791.520	786.864	787.446	792.684	795.012
39.0	783.372	780.462	780.462	786.282	788.610
39.5	776.970	772.896	773.478	779.880	782.790
40.0	769.404	766.494	767.658	772.896	776.388
40.5	764.748	759.510	760.674	765.330	770.568
41.0	756.600	752.526	753.108	759.510	761.838
41.5	749.616	746.706	746.706	753.108	756.018
42.0	743.214	739.140	738.558	744.960	748.452
42.5	736.230	730.992	732.156	737.394	740.886
43.0	727.500	725.172	725.172	730.992	734.484
43.5	721.098	717.606	717.024	723.426	727.500
44.0	714.114	711.204	710.622	716.442	720.516
44.5	707.130	704.220	703.638	709.458	712.950
45.0	699.564	696.654	696.654	702.474	705.966
45.5	691.998	689.670	689.088	694.908	697.818
46.0	685.014	680.940	681.522	687.924	689.670
46.5	678.030	673.374	675.120	680.940	683.268
47.0	669.882	666.972	666.972	673.374	674.538
47.5	662.316	659.406	659.988	665.226	666.972
48.0	654.750	651.840	652.422	657.660	658.824
48.5	647.184	644.856	644.274	650.094	652.422
49.0	640.782	637.290	636.708	643.110	644.274
49.5	632.052	629.724	629.142	634.962	636.126
50.0	625.068	621.576	622.740	627.396	629.142
50.5	617.502	614.010	614.592	619.830	620.994
51.0	608.772	605.862	606.444	611.682	613.428
51.5	601.206	598.296	598.296	605.280	605.862
52.0	593.640	590.148	591.312	596.550	597.132
52.5	586.074	582.582	583.164	588.402	590.148
53.0	577.984	574.841	574.725	580.487	582.000
53.5	569.196	567.101	567.275	572.455	574.085
54.0	561.746	559.768	559.826	565.122	566.053
54.5	554.413	551.270	551.620	557.265	558.778

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CANDELA TABULATION - (Cont.)

55.0	546.207	543.472	543.763	549.408	550.630
55.5	537.768	535.207	535.731	541.376	542.948
56.0	530.551	526.826	527.699	532.879	535.033
56.5	522.112	518.911	519.842	524.731	525.895
57.0	513.673	510.647	511.520	516.932	517.107
57.5	505.700	503.197	503.488	508.377	508.261
58.0	498.076	494.642	495.515	499.880	499.938
58.5	489.520	486.261	487.076	491.092	491.499
59.0	481.023	478.346	479.102	482.769	481.489
59.5	473.457	469.674	470.780	474.272	472.177
60.0	464.843	461.992	462.865	465.309	464.436
60.5	455.764	453.378	454.309	456.695	455.008
61.0	447.733	444.764	446.045	447.965	445.521
61.5	439.526	436.733	438.013	438.770	436.325
62.0	430.971	428.410	429.400	429.458	427.828
62.5	422.474	419.913	421.193	420.029	417.876
63.0	413.918	411.358	412.871	410.776	408.506
63.5	406.411	403.093	404.257	401.522	399.485
64.0	397.506	395.062	396.167	392.675	390.406
64.5	389.125	386.855	387.670	383.771	380.977
65.0	380.686	377.951	379.755	374.401	371.316
65.5	372.131	369.977	370.909	365.089	361.946
66.0	364.507	362.179	362.528	356.126	352.867
66.5	356.708	353.972	353.856	346.523	342.856
67.0	347.745	345.766	344.951	337.502	334.126
67.5	339.248	337.851	336.280	328.655	325.745
68.0	331.100	329.528	327.317	319.693	316.666
68.5	322.835	321.031	318.761	310.497	306.947
69.0	314.978	312.941	310.497	300.836	298.042
69.5	306.947	304.793	301.418	291.524	288.672
70.0	299.032	296.762	292.280	282.445	279.011
70.5	290.593	288.439	282.910	272.842	269.699
71.0	281.455	280.233	273.656	263.588	260.212
71.5	273.016	271.678	264.403	253.985	250.260
72.0	264.635	263.180	255.440	244.440	240.715
72.5	255.847	254.858	246.186	234.604	231.112
73.0	247.525	246.535	236.816	225.234	221.742
73.5	239.144	238.387	227.446	216.097	212.081
74.0	231.054	230.356	218.425	206.843	202.536
74.5	223.139	222.266	209.171	197.414	193.399
75.0	214.700	213.536	199.975	188.044	183.796
75.5	206.726	205.039	190.663	178.674	174.018
76.0	198.462	196.425	181.642	169.187	164.415
76.5	190.023	188.393	172.679	160.050	155.219
77.0	181.933	180.245	163.542	150.971	145.791
77.5	174.309	171.748	154.405	141.601	136.421
78.0	166.394	162.960	145.442	132.463	127.051
78.5	158.537	154.288	136.828	123.384	117.622
79.0	150.680	145.791	127.807	114.305	108.427
79.5	142.415	137.177	119.077	105.226	99.464
80.0	134.791	128.622	110.289	96.379	90.734
80.5	127.051	120.008	101.675	87.649	82.237
81.0	119.252	111.628	93.236	79.792	73.565
81.5	111.802	103.189	84.623	71.470	65.475
82.0	104.120	94.691	76.184	62.449	57.269
82.5	96.321	86.311	67.803	54.301	49.586

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CANDELA TABULATION - (Cont.)

83.0	88.406	77.872	60.295	46.618	41.904
83.5	80.665	69.724	52.147	39.460	34.513
84.0	73.099	61.983	44.407	32.359	27.529
84.5	65.591	54.184	37.132	25.492	20.661
85.0	58.200	46.385	30.089	19.031	14.550
85.5	50.692	39.052	23.396	13.619	10.185
86.0	43.475	32.068	17.693	9.545	7.682
86.5	36.608	25.084	13.037	6.984	5.529
87.0	30.031	19.264	9.196	5.471	4.714
87.5	24.095	14.550	6.460	4.481	4.190
88.0	18.740	10.592	4.831	4.423	3.725
88.5	13.910	6.926	4.598	4.656	3.259
89.0	10.127	4.190	2.968	4.365	2.794
89.5	6.751	2.561	2.212	3.667	1.921
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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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-L30-835-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-L30-835-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-L30-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	391.05	N.A.	13.00
0-30	826.98	N.A.	27.50
0-40	1349.39	N.A.	44.90
0-60	2376.62	N.A.	79.00
0-80	2961.00	N.A.	98.50
0-90	3006.48	N.A.	100.00
10-90	2904.99	N.A.	96.60
20-40	958.34	N.A.	31.90
20-50	1497.76	N.A.	49.80
40-70	1400.32	N.A.	46.60
60-80	584.38	N.A.	19.40
70-80	211.29	N.A.	7.00
80-90	45.48	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	3006.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.49
10-20	289.56
20-30	435.93
30-40	522.41
40-50	539.42
50-60	487.82
60-70	373.08
70-80	211.29
80-90	45.48
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-L30-835-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	64	64	64	64	63	63	63	63	60	60	60	57	57	57	55	55	55	54
1	59	56	54	52	57	55	53	51	53	51	49	50	49	48	48	47	46	45
2	53	49	45	42	52	48	44	42	46	43	41	44	42	40	42	41	39	38
3	49	43	38	35	47	42	38	35	40	37	34	39	36	33	38	35	33	32
4	44	38	33	30	43	37	33	29	36	32	29	35	31	29	33	31	28	27
5	41	34	29	25	40	33	29	25	32	28	25	31	28	25	30	27	24	23
6	38	30	26	22	37	30	25	22	29	25	22	28	24	22	27	24	21	20
7	35	28	23	20	34	27	23	20	26	22	19	26	22	19	25	22	19	18
8	33	25	21	17	32	25	20	17	24	20	17	23	20	17	23	20	17	16
9	30	23	19	16	30	23	19	16	22	18	16	22	18	15	21	18	15	14
10	28	21	17	14	28	21	17	14	21	17	14	20	17	14	20	16	14	13

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-14-L30-835-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

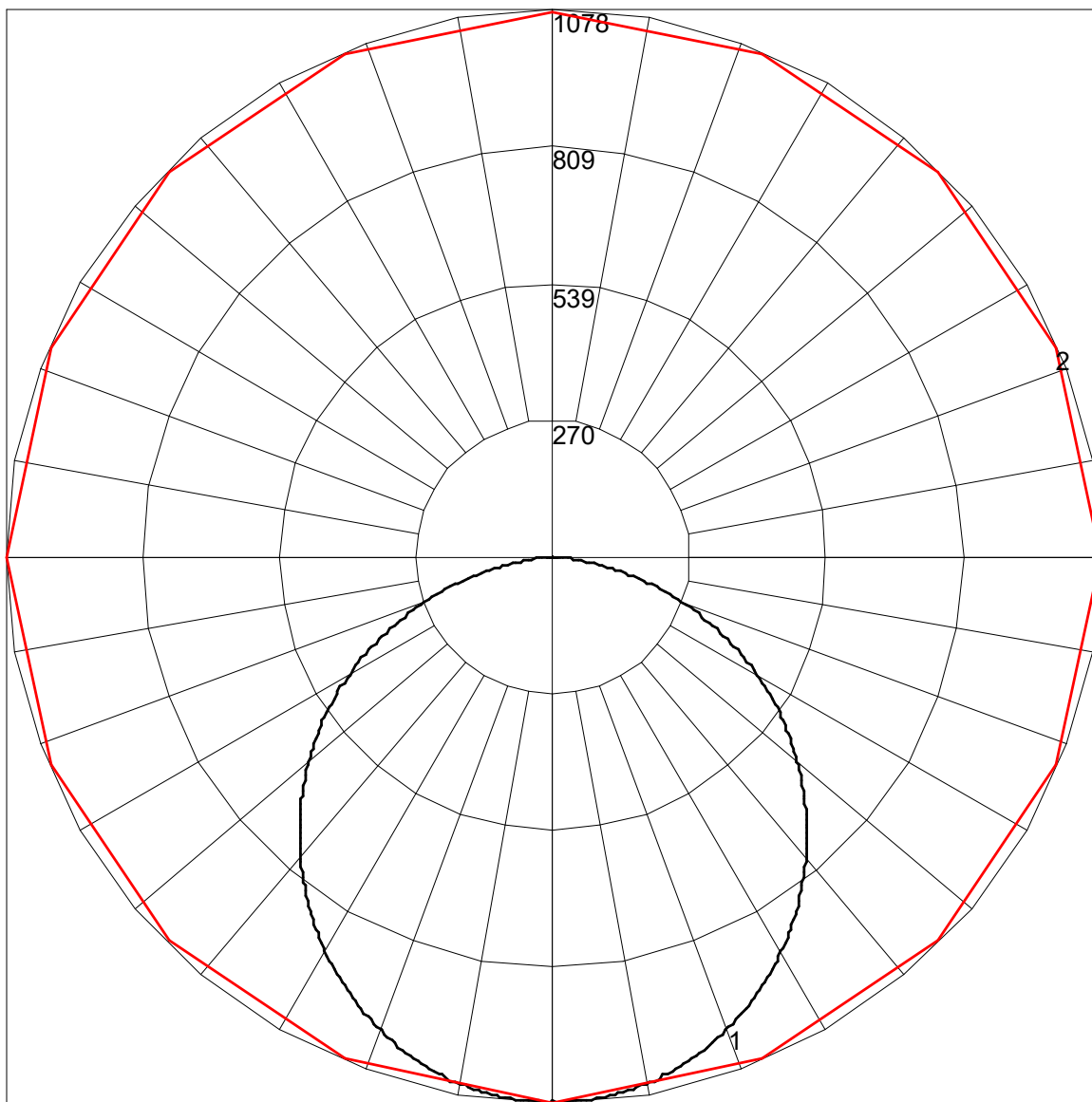
X=2H	Y=2H	18.3	19.9	18.6	20.2	20.5	18.3	20.0	18.7	20.3	20.6
	3H	20.2	21.7	20.5	22.0	22.3	20.1	21.6	20.5	21.9	22.3
	4H	20.9	22.3	21.3	22.7	23.0	20.7	22.1	21.1	22.4	22.8
	6H	21.5	22.8	21.9	23.1	23.5	21.0	22.3	21.4	22.7	23.1
	8H	21.7	22.9	22.1	23.3	23.7	21.1	22.3	21.5	22.7	23.1
	12H	21.8	23.0	22.2	23.4	23.8	21.1	22.3	21.5	22.6	23.1

UGR Viewed Endwise

4H	2H	18.9	20.3	19.3	20.7	21.0	19.0	20.4	19.4	20.7	21.1
	3H	21.1	22.2	21.5	22.6	23.0	21.0	22.1	21.4	22.5	22.9
	4H	21.9	23.0	22.4	23.4	23.8	21.6	22.7	22.1	23.1	23.6
	6H	22.6	23.5	23.1	24.0	24.4	22.1	23.0	22.5	23.5	23.9
	8H	22.8	23.7	23.3	24.2	24.6	22.2	23.0	22.6	23.5	23.9
	12H	23.0	23.8	23.5	24.3	24.7	22.2	23.0	22.7	23.4	23.9
8H	4H	22.2	23.1	22.7	23.5	24.0	22.0	22.8	22.4	23.3	23.7
	6H	23.0	23.7	23.5	24.2	24.7	22.5	23.2	23.0	23.7	24.2
	8H	23.3	24.0	23.8	24.5	25.0	22.6	23.3	23.1	23.8	24.2
	12H	23.6	24.1	24.1	24.6	25.2	22.7	23.2	23.2	23.7	24.3
12H	4H	22.2	23.0	22.7	23.5	23.9	22.0	22.8	22.5	23.3	23.7
	6H	23.1	23.7	23.6	24.2	24.7	22.6	23.2	23.1	23.7	24.2
	8H	23.4	24.0	23.9	24.5	25.0	22.7	23.3	23.2	23.8	24.3

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 1078.446 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.)