

IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-14-L40-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15060098.02

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 29 Nov, 2023

[TEST DATE] 11/21/2023

[MANUFAC] H E Williams Inc

[LUMCAT] APC-14-L40-835-DIM-UNV

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

[MORE] fin media

[LAMP] 168 LEDs

[BALLAST] Advance/ Signify 49w Certadrive X C1049C102V048CDX1

[OTHER] 25.6 C, 120.019 V, 0.370958 A, 44.1298 W, 0.99119 PF, 59.9697

[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	3436
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	30.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
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	4074	3703	3568
55	3948	3412	3205
65	3776	3010	2555
75	3513	2017	1597
85	2819	792	630

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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	1331.595	1331.595	1331.595	1331.595	1331.595
0.5	1336.488	1332.993	1328.100	1332.294	1336.488
1.0	1337.886	1331.595	1327.401	1332.294	1337.187
1.5	1337.886	1332.294	1325.304	1330.197	1337.187
2.0	1335.090	1330.197	1326.702	1330.197	1335.789
2.5	1336.488	1328.799	1324.605	1330.197	1332.294
3.0	1335.789	1329.498	1324.605	1328.799	1332.294
3.5	1334.391	1328.799	1323.207	1328.799	1332.294
4.0	1334.391	1326.702	1322.508	1326.702	1329.498
4.5	1334.391	1326.702	1320.411	1324.605	1328.799
5.0	1332.294	1324.605	1319.712	1324.605	1328.100
5.5	1330.896	1323.906	1319.712	1324.605	1326.003
6.0	1330.896	1323.906	1316.217	1321.110	1323.906
6.5	1328.100	1321.110	1314.819	1320.411	1321.809
7.0	1323.906	1318.314	1313.421	1318.314	1321.809
7.5	1323.207	1316.217	1309.227	1314.819	1318.314
8.0	1322.508	1312.722	1307.130	1312.023	1315.518
8.5	1317.615	1312.023	1306.431	1309.926	1313.421
9.0	1316.916	1309.926	1303.635	1307.829	1312.023
9.5	1314.819	1306.431	1300.839	1305.033	1309.227
10.0	1309.926	1304.334	1299.441	1302.237	1304.334
10.5	1307.829	1301.538	1295.946	1298.043	1301.538
11.0	1307.130	1298.742	1292.451	1295.946	1299.441
11.5	1302.936	1294.548	1288.956	1292.451	1293.150
12.0	1299.441	1291.053	1285.461	1288.956	1291.752
12.5	1295.946	1288.257	1282.665	1285.461	1288.257
13.0	1290.354	1284.762	1279.170	1280.568	1283.364
13.5	1287.558	1281.966	1275.675	1276.374	1277.772
14.0	1286.160	1278.471	1270.782	1271.481	1272.879
14.5	1284.762	1276.374	1267.287	1265.889	1267.986
15.0	1279.869	1272.180	1262.394	1261.695	1263.792
15.5	1276.374	1267.986	1256.802	1256.103	1257.501
16.0	1272.180	1265.190	1252.608	1249.812	1251.909
16.5	1266.588	1260.297	1248.414	1243.521	1246.317
17.0	1262.394	1254.006	1244.220	1239.327	1241.424
17.5	1258.899	1249.113	1237.929	1233.036	1235.832
18.0	1255.404	1246.317	1231.638	1226.046	1228.842
18.5	1250.511	1240.725	1227.444	1220.454	1220.454
19.0	1245.618	1237.230	1221.852	1215.561	1214.862
19.5	1242.822	1233.036	1215.561	1208.571	1207.872
20.0	1235.832	1226.745	1209.270	1200.882	1200.183
20.5	1233.036	1221.852	1202.280	1194.591	1193.892
21.0	1226.046	1217.658	1197.387	1187.601	1186.902
21.5	1222.551	1210.668	1192.494	1180.611	1179.912
22.0	1216.959	1207.173	1186.203	1174.320	1173.621
22.5	1209.270	1198.086	1179.213	1167.330	1166.631
23.0	1204.377	1192.494	1172.223	1159.641	1161.039
23.5	1198.785	1188.300	1165.932	1153.350	1154.049
24.0	1193.892	1182.009	1158.243	1147.059	1143.564
24.5	1186.902	1177.116	1151.253	1140.069	1136.574
25.0	1182.708	1169.427	1144.263	1132.380	1129.584
25.5	1177.815	1164.534	1137.273	1124.691	1123.992
26.0	1172.223	1158.942	1129.584	1118.400	1117.002
26.5	1165.233	1151.253	1121.895	1109.313	1110.012

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CANDELA TABULATION - (Cont.)

27.0	1159.641	1144.263	1114.206	1103.022	1102.323
27.5	1150.554	1137.972	1107.915	1096.032	1094.634
28.0	1144.962	1131.681	1100.925	1086.945	1086.246
28.5	1140.069	1125.390	1093.236	1079.256	1077.858
29.0	1133.079	1117.701	1086.246	1072.266	1070.169
29.5	1124.691	1110.711	1077.858	1063.179	1061.781
30.0	1119.798	1103.721	1070.169	1054.791	1053.393
30.5	1111.410	1095.333	1062.480	1047.102	1044.306
31.0	1107.216	1086.945	1054.791	1038.714	1035.918
31.5	1099.527	1079.955	1045.704	1031.025	1027.530
32.0	1091.838	1072.266	1037.316	1022.637	1018.443
32.5	1086.945	1065.276	1028.928	1014.249	1010.754
33.0	1077.159	1058.286	1021.938	1004.463	1000.968
33.5	1070.868	1049.199	1013.550	996.774	991.881
34.0	1064.577	1041.510	1004.463	987.687	982.794
34.5	1055.490	1033.122	996.774	979.299	973.707
35.0	1047.801	1026.132	986.988	969.513	964.620
35.5	1042.209	1018.443	979.998	961.125	956.931
36.0	1033.122	1008.657	970.212	952.038	948.543
36.5	1024.734	1000.968	961.125	942.951	938.058
37.0	1018.443	992.580	952.038	933.864	930.369
37.5	1010.055	983.493	942.951	924.078	921.282
38.0	1000.968	974.406	933.864	914.292	910.797
38.5	992.580	965.319	924.777	905.904	902.409
39.0	984.891	957.630	916.389	896.118	893.322
39.5	975.804	949.242	908.700	886.332	883.536
40.0	968.814	941.553	898.215	877.245	873.051
40.5	959.028	931.767	888.429	868.158	862.566
41.0	951.339	921.981	878.643	858.372	852.780
41.5	942.951	912.894	870.255	849.285	843.693
42.0	934.563	903.807	861.168	838.101	833.907
42.5	926.175	894.720	850.683	828.315	824.121
43.0	917.088	884.934	840.897	818.529	813.636
43.5	909.399	874.449	831.111	808.743	803.151
44.0	901.710	865.362	822.024	799.656	794.064
44.5	891.924	856.974	811.539	790.569	784.278
45.0	883.536	847.188	803.151	780.783	773.793
45.5	875.148	838.800	793.365	769.599	761.910
46.0	865.362	828.315	783.579	758.415	752.124
46.5	856.275	819.927	774.492	748.629	743.037
47.0	847.188	810.141	764.706	738.843	731.154
47.5	838.101	800.355	753.522	728.358	721.368
48.0	828.315	789.870	744.435	718.572	711.582
48.5	819.927	781.482	733.950	708.087	699.699
49.0	810.141	771.696	723.465	697.322	689.633
49.5	801.054	760.512	712.980	686.768	678.799
50.0	791.268	751.425	703.194	676.492	668.873
50.5	782.181	740.940	693.688	666.357	658.598
51.0	771.696	731.154	683.622	655.942	647.414
51.5	761.910	721.368	673.067	646.156	637.348
52.0	752.823	710.883	663.141	635.391	627.353
52.5	744.435	700.398	652.796	624.906	616.868
53.0	733.950	690.402	641.682	614.561	606.033
53.5	724.164	680.127	631.616	603.587	594.639
54.0	715.077	670.201	620.642	593.171	583.595
54.5	703.893	660.345	610.227	582.337	573.879

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CANDELA TABULATION - (Cont.)

55.0	694.457	649.511	600.161	572.132	563.744
55.5	684.601	639.795	589.886	561.087	552.140
56.0	674.325	629.869	579.681	550.882	541.026
56.5	663.281	618.895	569.405	540.187	529.632
57.0	653.915	608.549	559.270	528.863	519.497
57.5	645.177	598.204	548.435	518.309	508.313
58.0	634.902	587.859	537.531	507.264	496.010
58.5	623.578	577.164	526.976	496.290	485.106
59.0	613.163	566.749	516.072	485.316	472.664
59.5	602.468	556.055	505.657	474.411	460.781
60.0	592.612	545.500	494.822	462.598	449.387
60.5	582.686	535.154	484.687	451.484	437.504
61.0	571.712	524.390	473.782	439.252	425.272
61.5	561.367	513.695	463.437	427.089	413.738
62.0	550.952	502.931	453.162	415.556	402.834
62.5	539.978	492.935	442.257	404.651	390.042
63.0	529.912	482.240	431.563	393.118	378.299
63.5	519.776	471.685	420.518	382.493	367.464
64.0	509.711	460.781	410.173	370.610	355.581
64.5	499.715	449.807	400.108	358.098	343.559
65.0	489.440	439.252	390.182	346.075	331.116
65.5	478.256	428.906	380.186	334.052	318.325
66.0	467.282	418.701	368.792	321.959	305.673
66.5	457.076	408.356	357.399	310.146	293.300
67.0	446.661	398.430	345.935	297.844	281.348
67.5	436.665	388.714	334.122	286.031	268.975
68.0	425.132	377.949	322.728	274.008	257.092
68.5	414.437	367.604	312.383	261.776	244.580
69.0	404.372	356.909	300.920	249.753	231.998
69.5	394.795	346.564	288.198	237.520	219.626
70.0	385.219	336.149	276.035	225.497	207.044
70.5	375.503	325.594	264.781	213.614	196.838
71.0	363.830	315.529	253.318	201.032	188.450
71.5	352.995	304.694	241.505	188.660	180.412
72.0	343.209	293.720	229.831	179.224	172.513
72.5	332.235	283.445	217.878	171.535	164.615
73.0	321.191	272.400	206.415	163.496	157.135
73.5	310.636	261.915	195.161	155.807	149.446
74.0	299.871	251.850	183.837	147.978	141.617
74.5	289.246	241.085	171.954	140.150	133.998
75.0	278.831	230.670	160.141	132.461	126.799
75.5	268.626	221.094	148.538	124.772	119.389
76.0	258.490	210.749	138.472	117.572	111.980
76.5	247.726	199.984	130.503	110.372	105.060
77.0	237.311	188.800	122.675	103.382	98.070
77.5	227.245	177.965	114.916	96.392	91.429
78.0	216.760	167.061	107.506	89.332	84.579
78.5	206.694	156.646	99.957	82.272	77.589
79.0	196.349	144.903	92.687	75.492	70.739
79.5	185.934	133.649	85.628	68.921	63.959
80.0	175.868	122.884	78.707	62.421	57.458
80.5	165.733	112.190	71.997	55.920	51.307
81.0	155.807	101.635	65.147	49.699	45.365
81.5	146.021	90.940	58.716	43.757	40.053
82.0	135.676	80.315	52.285	39.074	35.929
82.5	125.471	70.739	45.785	33.971	32.434

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CANDELA TABULATION - (Cont.)

83.0	115.685	62.770	39.424	30.267	29.009
83.5	105.619	55.431	33.552	26.772	25.164
84.0	95.553	48.511	28.659	22.997	21.879
84.5	85.558	42.010	24.884	19.782	19.223
85.0	75.352	35.929	21.180	17.265	16.846
85.5	65.636	29.708	17.475	14.959	14.609
86.0	55.990	23.766	14.539	12.722	12.442
86.5	46.344	18.314	12.163	10.485	10.136
87.0	37.187	14.889	9.856	8.388	8.108
87.5	27.820	10.625	7.689	6.291	6.081
88.0	18.873	7.619	5.592	4.474	4.334
88.5	12.093	5.452	4.194	3.705	3.355
89.0	7.060	3.495	4.194	3.914	2.866
89.5	3.425	2.027	3.984	2.726	2.307
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 : APC-14-L40-835-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 : APC-14-L40-835-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 : APC-14-L40-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	482.68	N.A.	14.00
0-30	1012.78	N.A.	29.50
0-40	1636.43	N.A.	47.60
0-60	2811.71	N.A.	81.80
0-80	3397.2	N.A.	98.90
0-90	3436.15	N.A.	100.00
10-90	3310.38	N.A.	96.30
20-40	1153.76	N.A.	33.60
20-50	1781.78	N.A.	51.90
40-70	1566.61	N.A.	45.60
60-80	585.48	N.A.	17.00
70-80	194.16	N.A.	5.70
80-90	38.96	N.A.	1.10
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	3436.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.77
10-20	356.90
20-30	530.10
30-40	623.65
40-50	628.02
50-60	547.26
60-70	391.32
70-80	194.16
80-90	38.96
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 : APC-14-L40-835-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	116	116	116	116	113	113	113	113	108	108	108	103	103	103	99	99	99	97
1	106	102	98	94	104	100	96	93	95	93	90	92	89	87	88	86	85	83
2	97	89	83	77	94	87	82	77	84	79	75	81	77	73	78	74	71	69
3	89	79	71	65	86	77	70	64	74	68	63	72	66	62	69	65	61	59
4	81	70	62	55	79	69	61	55	66	59	54	64	58	53	62	57	53	51
5	75	63	54	48	73	61	53	47	59	52	47	57	51	46	56	50	46	44
6	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	40	39
7	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	40	36	34
8	60	47	39	33	58	46	38	33	45	38	33	44	37	33	43	37	32	31
9	56	43	35	30	54	42	35	30	41	34	30	40	34	29	39	34	29	28
10	52	40	32	27	51	39	32	27	38	32	27	37	31	27	36	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-14-L40-835-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

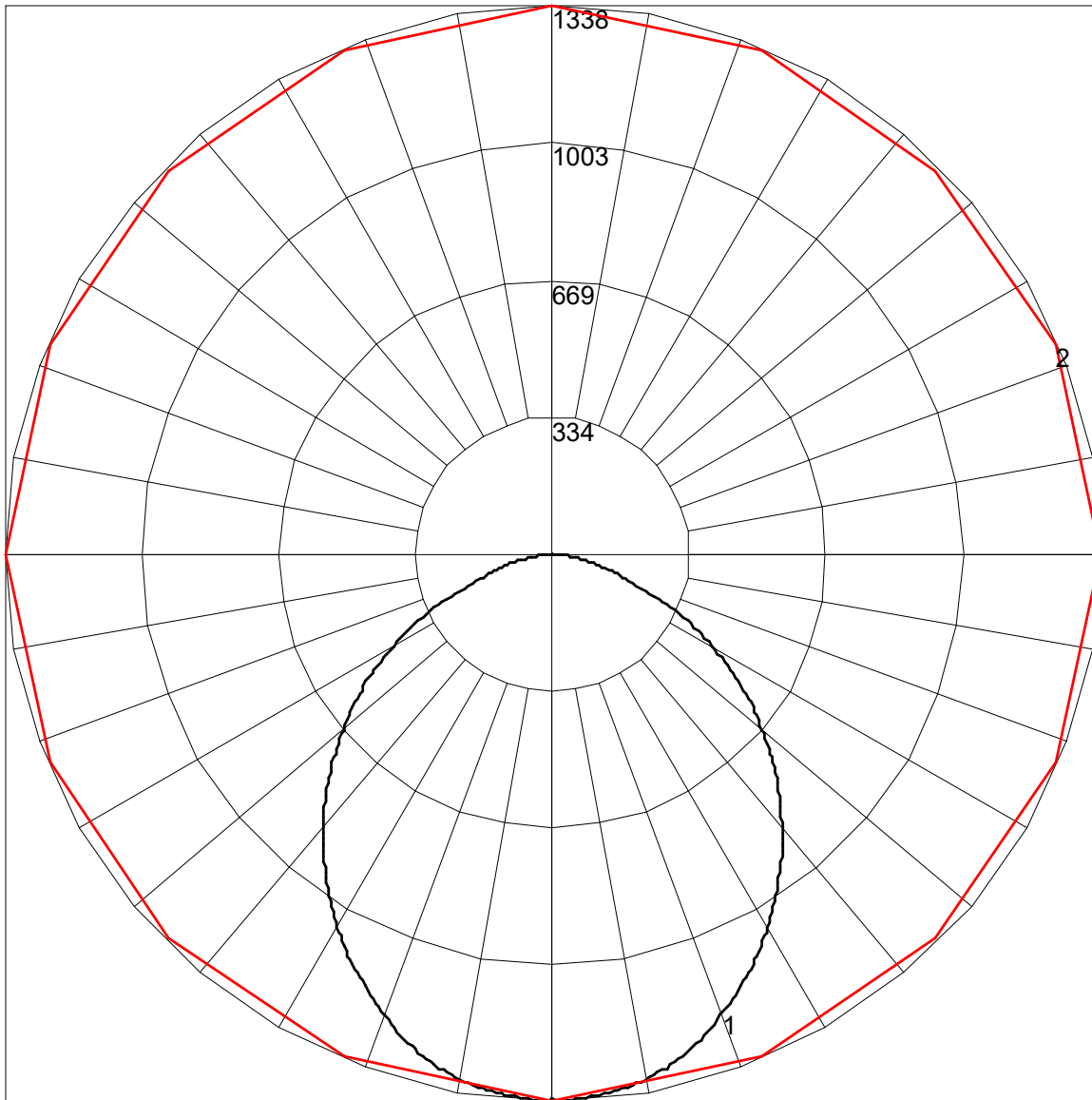
X=2H	Y=2H	17.1	18.7	17.4	19.0	19.3	15.9	17.5	16.3	17.9	18.2
	3H	19.0	20.5	19.4	20.8	21.1	17.2	18.6	17.5	18.9	19.3
	4H	19.8	21.1	20.2	21.5	21.8	17.5	18.8	17.9	19.2	19.6
	6H	20.3	21.6	20.8	22.0	22.4	17.6	18.9	18.0	19.3	19.6
	8H	20.5	21.7	21.0	22.1	22.5	17.7	18.8	18.1	19.2	19.6
	12H	20.7	21.8	21.1	22.2	22.6	17.6	18.8	18.1	19.2	19.6

UGR Viewed Endwise

4H	2H	17.5	18.9	17.9	19.2	19.6	16.6	18.0	17.0	18.3	18.7
	3H	19.6	20.8	20.1	21.2	21.6	18.0	19.1	18.4	19.5	19.9
	4H	20.5	21.5	20.9	21.9	22.4	18.4	19.4	18.8	19.8	20.2
	6H	21.2	22.1	21.7	22.5	23.0	18.6	19.5	19.1	19.9	20.4
	8H	21.4	22.3	21.9	22.7	23.2	18.6	19.5	19.1	19.9	20.4
	12H	21.6	22.4	22.1	22.8	23.3	18.6	19.4	19.1	19.9	20.3
8H	4H	20.6	21.4	21.1	21.9	22.3	18.7	19.5	19.1	19.9	20.4
	6H	21.4	22.1	21.9	22.6	23.0	18.9	19.6	19.4	20.1	20.6
	8H	21.6	22.3	22.1	22.8	23.3	19.0	19.6	19.5	20.1	20.6
	12H	21.9	22.4	22.4	22.9	23.5	19.0	19.5	19.5	20.0	20.6
12H	4H	20.6	21.3	21.1	21.8	22.3	18.7	19.4	19.2	19.9	20.4
	6H	21.4	22.0	21.9	22.4	23.0	19.0	19.6	19.5	20.1	20.6
	8H	21.7	22.2	22.2	22.7	23.3	19.1	19.6	19.6	20.1	20.6

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 1337.886 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)