

IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-14-L30-840-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-L30-840-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	2724
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	22.8
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	3230	2936	2829
55	3130	2705	2541
65	2994	2387	2025
75	2785	1599	1266
85	2235	628	500

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-14-L30-840-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	1055.751	1055.751	1055.751	1055.751	1055.751
0.5	1059.630	1056.859	1052.980	1056.305	1059.630
1.0	1060.739	1055.751	1052.426	1056.305	1060.185
1.5	1060.739	1056.305	1050.763	1054.643	1060.185
2.0	1058.522	1054.643	1051.872	1054.643	1059.076
2.5	1059.630	1053.534	1050.209	1054.643	1056.305
3.0	1059.076	1054.088	1050.209	1053.534	1056.305
3.5	1057.968	1053.534	1049.101	1053.534	1056.305
4.0	1057.968	1051.872	1048.546	1051.872	1054.088
4.5	1057.968	1051.872	1046.884	1050.209	1053.534
5.0	1056.305	1050.209	1046.330	1050.209	1052.980
5.5	1055.197	1049.655	1046.330	1050.209	1051.317
6.0	1055.197	1049.655	1043.559	1047.438	1049.655
6.5	1052.980	1047.438	1042.450	1046.884	1047.992
7.0	1049.655	1045.221	1041.342	1045.221	1047.992
7.5	1049.101	1043.559	1038.017	1042.450	1045.221
8.0	1048.546	1040.788	1036.354	1040.233	1043.004
8.5	1044.667	1040.233	1035.800	1038.571	1041.342
9.0	1044.113	1038.571	1033.583	1036.908	1040.233
9.5	1042.450	1035.800	1031.366	1034.691	1038.017
10.0	1038.571	1034.137	1030.258	1032.475	1034.137
10.5	1036.908	1031.920	1027.487	1029.149	1031.920
11.0	1036.354	1029.704	1024.716	1027.487	1030.258
11.5	1033.029	1026.378	1021.945	1024.716	1025.270
12.0	1030.258	1023.607	1019.174	1021.945	1024.162
12.5	1027.487	1021.391	1016.957	1019.174	1021.391
13.0	1023.053	1018.620	1014.186	1015.294	1017.511
13.5	1020.836	1016.403	1011.415	1011.969	1013.078
14.0	1019.728	1013.632	1007.536	1008.090	1009.198
14.5	1018.620	1011.969	1004.765	1003.656	1005.319
15.0	1014.740	1008.644	1000.885	1000.331	1001.994
15.5	1011.969	1005.319	996.452	995.897	997.006
16.0	1008.644	1003.102	993.126	990.910	992.572
16.5	1004.210	999.223	989.801	985.922	988.139
17.0	1000.885	994.235	986.476	982.597	984.259
17.5	998.114	990.355	981.488	977.609	979.826
18.0	995.343	988.139	976.500	972.067	974.284
18.5	991.464	983.705	973.175	967.633	967.633
19.0	987.584	980.934	968.742	963.754	963.200
19.5	985.368	977.609	963.754	958.212	957.658
20.0	979.826	972.621	958.766	952.116	951.561
20.5	977.609	968.742	953.224	947.128	946.574
21.0	972.067	965.416	949.345	941.586	941.032
21.5	969.296	959.874	945.465	936.044	935.490
22.0	964.862	957.103	940.477	931.056	930.502
22.5	958.766	949.899	934.935	925.514	924.960
23.0	954.887	945.465	929.393	919.418	920.526
23.5	950.453	942.140	924.406	914.430	914.984
24.0	946.574	937.152	918.309	909.442	906.671
24.5	941.032	933.273	912.767	903.900	901.129
25.0	937.706	927.177	907.225	897.804	895.587
25.5	933.827	923.297	901.683	891.708	891.154
26.0	929.393	918.864	895.587	886.720	885.612
26.5	923.851	912.767	889.491	879.515	880.070

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-14-L30-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	919.418	907.225	883.395	874.528	873.973
27.5	912.213	902.238	878.407	868.986	867.877
28.0	907.780	897.250	872.865	861.781	861.227
28.5	903.900	892.262	866.769	855.685	854.576
29.0	898.358	886.166	861.227	850.143	848.480
29.5	891.708	880.624	854.576	842.938	841.830
30.0	887.828	875.082	848.480	836.288	835.179
30.5	881.178	868.431	842.384	830.192	827.975
31.0	877.853	861.781	836.288	823.541	821.324
31.5	871.757	856.239	829.083	817.445	814.674
32.0	865.660	850.143	822.433	810.795	807.469
32.5	861.781	844.601	815.782	804.144	801.373
33.0	854.022	839.059	810.240	796.385	793.614
33.5	849.034	831.854	803.590	790.289	786.410
34.0	844.047	825.758	796.385	783.085	779.205
34.5	836.842	819.108	790.289	776.434	772.001
35.0	830.746	813.566	782.530	768.675	764.796
35.5	826.312	807.469	776.988	762.025	758.700
36.0	819.108	799.711	769.230	754.820	752.049
36.5	812.457	793.614	762.025	747.616	743.736
37.0	807.469	786.964	754.820	740.411	737.640
37.5	800.819	779.759	747.616	732.652	730.436
38.0	793.614	772.555	740.411	724.894	722.123
38.5	786.964	765.350	733.207	718.243	715.472
39.0	780.868	759.254	726.556	710.484	708.268
39.5	773.663	752.604	720.460	702.726	700.509
40.0	768.121	746.507	712.147	695.521	692.196
40.5	760.362	738.749	704.388	688.316	683.883
41.0	754.266	730.990	696.629	680.558	676.124
41.5	747.616	723.785	689.979	673.353	668.919
42.0	740.965	716.581	682.774	664.486	661.161
42.5	734.315	709.376	674.461	656.727	653.402
43.0	727.110	701.617	666.703	648.968	645.089
43.5	721.014	693.304	658.944	641.209	636.776
44.0	714.918	686.100	651.739	634.005	629.571
44.5	707.159	679.449	643.426	626.800	621.812
45.0	700.509	671.690	636.776	619.041	613.499
45.5	693.858	665.040	629.017	610.174	604.078
46.0	686.100	656.727	621.258	601.307	596.319
46.5	678.895	650.077	614.054	593.548	589.115
47.0	671.690	642.318	606.295	585.789	579.693
47.5	664.486	634.559	597.428	577.476	571.934
48.0	656.727	626.246	590.223	569.718	564.176
48.5	650.077	619.596	581.910	561.405	554.754
49.0	642.318	611.837	573.597	552.870	546.774
49.5	635.113	602.970	565.284	544.501	538.184
50.0	627.354	595.765	557.525	536.355	530.314
50.5	620.150	587.452	549.988	528.319	522.167
51.0	611.837	579.693	542.008	520.061	513.300
51.5	604.078	571.934	533.639	512.302	505.320
52.0	596.873	563.621	525.770	503.768	497.394
52.5	590.223	555.308	517.567	495.455	489.081
53.0	581.910	547.383	508.756	487.253	480.491
53.5	574.151	539.237	500.775	478.552	471.458
54.0	566.947	531.367	492.074	470.294	462.702
54.5	558.079	523.553	483.817	461.704	454.998

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CANDELA TABULATION - (Cont.)

55.0	550.598	514.963	475.836	453.613	446.962
55.5	542.783	507.259	467.689	444.856	437.763
56.0	534.637	499.390	459.598	436.765	428.951
56.5	525.880	490.689	451.451	428.286	419.917
57.0	518.454	482.487	443.415	419.308	411.881
57.5	511.527	474.284	434.825	410.939	403.014
58.0	503.380	466.082	426.180	402.183	393.260
58.5	494.402	457.603	417.811	393.482	384.615
59.0	486.144	449.345	409.166	384.781	374.750
59.5	477.665	440.866	400.908	376.136	365.329
60.0	469.851	432.498	392.318	366.770	356.295
60.5	461.981	424.296	384.282	357.958	346.874
61.0	453.280	415.761	375.637	348.259	337.175
61.5	445.078	407.282	367.435	338.616	328.031
62.0	436.820	398.747	359.288	329.472	319.385
62.5	428.119	390.822	350.642	320.826	309.244
63.0	420.139	382.343	342.163	311.682	299.933
63.5	412.103	373.974	333.407	303.258	291.343
64.0	404.123	365.329	325.205	293.837	281.922
64.5	396.198	356.628	317.224	283.917	272.389
65.0	388.051	348.259	309.354	274.384	262.525
65.5	379.184	340.057	301.429	264.852	252.383
66.0	370.483	331.966	292.396	255.265	242.352
66.5	362.391	323.764	283.362	245.899	232.542
67.0	354.134	315.894	274.274	236.145	223.065
67.5	346.209	308.191	264.908	226.779	213.256
68.0	337.064	299.656	255.874	217.246	203.835
68.5	328.585	291.454	247.672	207.548	193.915
69.0	320.605	282.975	238.583	198.016	183.939
69.5	313.012	274.772	228.497	188.317	174.130
70.0	305.420	266.515	218.854	178.785	164.154
70.5	297.716	258.146	209.931	169.364	156.063
71.0	288.461	250.166	200.842	159.388	149.412
71.5	279.871	241.576	191.476	149.579	143.039
72.0	272.112	232.875	182.221	142.097	136.777
72.5	263.411	224.728	172.744	136.001	130.514
73.0	254.655	215.972	163.655	129.627	124.584
73.5	246.286	207.659	154.733	123.531	118.488
74.0	237.752	199.678	145.755	117.324	112.281
74.5	229.328	191.144	136.333	111.117	106.240
75.0	221.070	182.886	126.967	105.021	100.532
75.5	212.979	175.293	117.767	98.925	94.657
76.0	204.943	167.091	109.787	93.216	88.783
76.5	196.408	158.557	103.469	87.508	83.296
77.0	188.151	149.689	97.262	81.966	77.754
77.5	180.170	141.099	91.110	76.424	72.489
78.0	171.857	132.454	85.236	70.827	67.058
78.5	163.877	124.196	79.251	65.229	61.516
79.0	155.675	114.886	73.487	59.854	56.085
79.5	147.417	105.963	67.889	54.644	50.709
80.0	139.437	97.428	62.403	49.490	45.555
80.5	131.401	88.949	57.083	44.336	40.678
81.0	123.531	80.581	51.651	39.404	35.968
81.5	115.772	72.101	46.553	34.693	31.756
82.0	107.570	63.678	41.454	30.980	28.486
82.5	99.479	56.085	36.300	26.934	25.715

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CANDELA TABULATION - (Cont.)

83.0	91.720	49.767	31.257	23.997	22.999
83.5	83.740	43.948	26.602	21.226	19.951
84.0	75.759	38.461	22.722	18.233	17.346
84.5	67.834	33.307	19.730	15.684	15.240
85.0	59.743	28.486	16.792	13.689	13.356
85.5	52.039	23.553	13.855	11.860	11.583
86.0	44.391	18.843	11.527	10.086	9.865
86.5	36.743	14.520	9.643	8.313	8.036
87.0	29.483	11.804	7.814	6.650	6.429
87.5	22.057	8.424	6.096	4.988	4.822
88.0	14.963	6.041	4.434	3.547	3.436
88.5	9.588	4.323	3.325	2.937	2.660
89.0	5.597	2.771	3.325	3.104	2.272
89.5	2.716	1.607	3.159	2.161	1.829
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-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
PHOTOMETRIC FILENAME : APC-14-L30-840-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-L30-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	382.69	N.A.	14.00
0-30	802.98	N.A.	29.50
0-40	1297.44	N.A.	47.60
0-60	2229.26	N.A.	81.80
0-80	2693.46	N.A.	98.90
0-90	2724.34	N.A.	100.00
10-90	2624.62	N.A.	96.30
20-40	914.75	N.A.	33.60
20-50	1412.68	N.A.	51.90
40-70	1242.08	N.A.	45.60
60-80	464.20	N.A.	17.00
70-80	153.94	N.A.	5.70
80-90	30.89	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	2724.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.72
10-20	282.97
20-30	420.29
30-40	494.46
40-50	497.93
50-60	433.89
60-70	310.26
70-80	153.94
80-90	30.89
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-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-14-L30-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

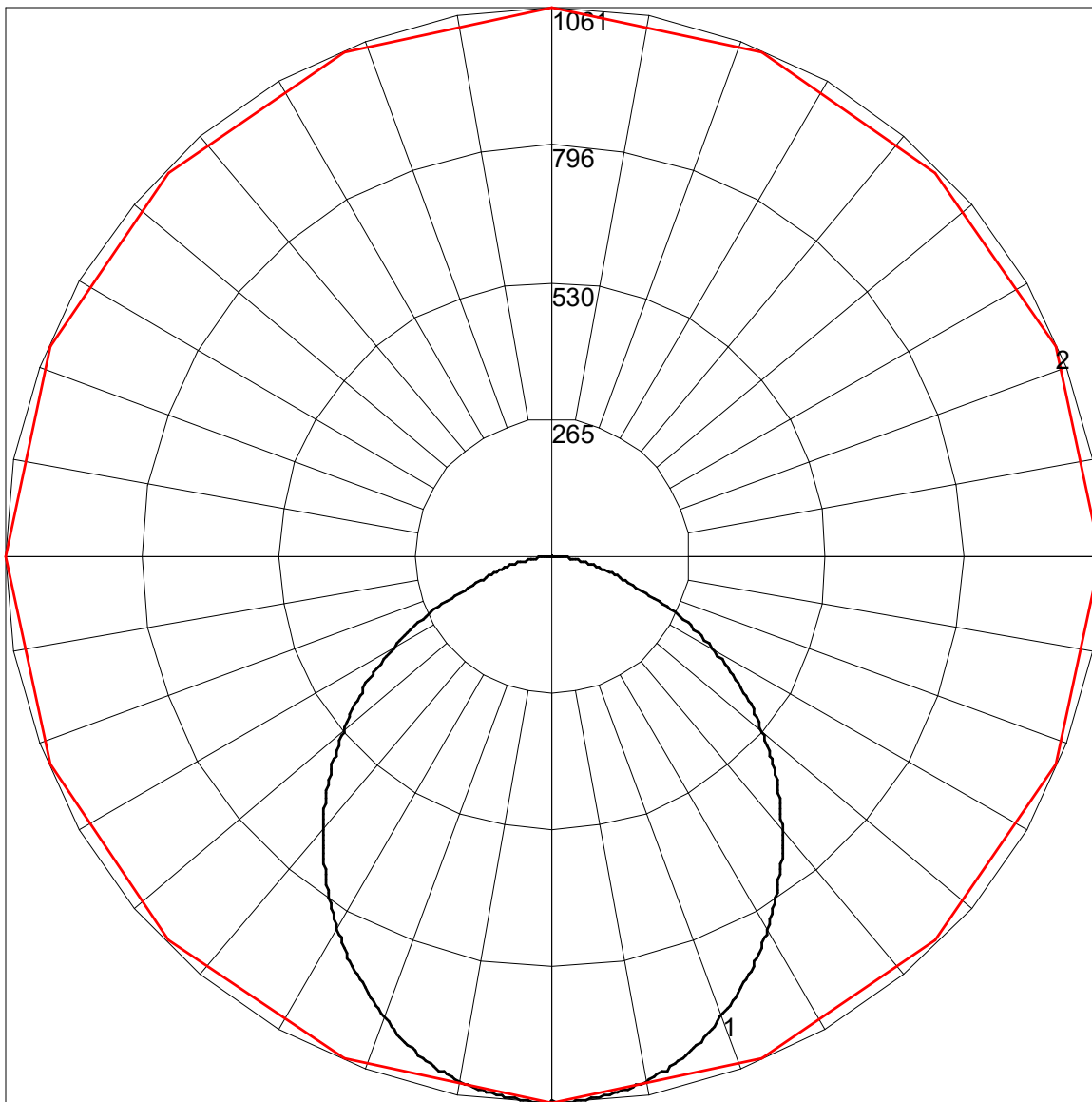
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	16.2	17.8	16.5	18.1	18.4	15.0	16.6	15.4	17.0	17.3
	3H	18.1	19.6	18.5	19.9	20.2	16.3	17.7	16.6	18.0	18.4
	4H	18.9	20.2	19.3	20.6	20.9	16.6	17.9	17.0	18.3	18.7
	6H	19.4	20.7	19.9	21.1	21.5	16.7	18.0	17.1	18.4	18.7
	8H	19.6	20.8	20.0	21.2	21.6	16.7	17.9	17.2	18.3	18.7
	12H	19.8	20.9	20.2	21.3	21.7	16.7	17.9	17.2	18.3	18.7
4H	2H	16.6	18.0	17.0	18.3	18.7	15.7	17.1	16.1	17.4	17.8
	3H	18.7	19.9	19.2	20.3	20.7	17.1	18.2	17.5	18.6	19.0
	4H	19.6	20.6	20.0	21.0	21.5	17.5	18.5	17.9	18.9	19.3
	6H	20.3	21.2	20.8	21.6	22.1	17.7	18.6	18.2	19.0	19.5
	8H	20.5	21.4	21.0	21.8	22.3	17.7	18.6	18.2	19.0	19.5
	12H	20.7	21.4	21.2	21.9	22.4	17.7	18.5	18.2	19.0	19.4
8H	4H	19.7	20.5	20.2	21.0	21.4	17.8	18.6	18.2	19.0	19.5
	6H	20.5	21.2	21.0	21.7	22.1	18.0	18.7	18.5	19.2	19.7
	8H	20.7	21.4	21.2	21.9	22.3	18.1	18.7	18.6	19.2	19.7
	12H	21.0	21.5	21.5	22.0	22.6	18.1	18.6	18.6	19.1	19.7
12H	4H	19.7	20.4	20.2	20.9	21.4	17.8	18.5	18.3	19.0	19.5
	6H	20.5	21.1	21.0	21.5	22.1	18.1	18.7	18.6	19.2	19.7
	8H	20.8	21.3	21.3	21.8	22.4	18.2	18.7	18.7	19.2	19.7

Maximum UGR = 22.6

POLAR GRAPH



Maximum Candela = 1060.739 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.)