

IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-14-L30-830-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-L30-830-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	2619
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	3105	2822	2719
55	3008	2600	2442
65	2878	2294	1947
75	2677	1537	1217
85	2148	604	480

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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	1014.794	1014.794	1014.794	1014.794	1014.794
0.5	1018.522	1015.859	1012.130	1015.326	1018.522
1.0	1019.588	1014.794	1011.597	1015.326	1019.055
1.5	1019.588	1015.326	1009.999	1013.728	1019.055
2.0	1017.457	1013.728	1011.065	1013.728	1017.990
2.5	1018.522	1012.663	1009.467	1013.728	1015.326
3.0	1017.990	1013.195	1009.467	1012.663	1015.326
3.5	1016.924	1012.663	1008.401	1012.663	1015.326
4.0	1016.924	1011.065	1007.868	1011.065	1013.195
4.5	1016.924	1011.065	1006.270	1009.467	1012.663
5.0	1015.326	1009.467	1005.738	1009.467	1012.130
5.5	1014.261	1008.934	1005.738	1009.467	1010.532
6.0	1014.261	1008.934	1003.074	1006.803	1008.934
6.5	1012.130	1006.803	1002.009	1006.270	1007.336
7.0	1008.934	1004.672	1000.943	1004.672	1007.336
7.5	1008.401	1003.074	997.747	1002.009	1004.672
8.0	1007.868	1000.411	996.149	999.878	1002.541
8.5	1004.140	999.878	995.616	998.280	1000.943
9.0	1003.607	998.280	993.486	996.682	999.878
9.5	1002.009	995.616	991.355	994.551	997.747
10.0	998.280	994.018	990.289	992.420	994.018
10.5	996.682	991.887	987.626	989.224	991.887
11.0	996.149	989.757	984.962	987.626	990.289
11.5	992.953	986.560	982.299	984.962	985.495
12.0	990.289	983.897	979.635	982.299	984.430
12.5	987.626	981.766	977.505	979.635	981.766
13.0	983.364	979.103	974.841	975.906	978.037
13.5	981.233	976.972	972.178	972.710	973.776
14.0	980.168	974.308	968.449	968.981	970.047
14.5	979.103	972.710	965.785	964.720	966.318
15.0	975.374	969.514	962.056	961.524	963.122
15.5	972.710	966.318	957.795	957.262	958.327
16.0	969.514	964.187	954.598	952.468	954.066
16.5	965.252	960.458	951.402	947.673	949.804
17.0	962.056	955.664	948.206	944.477	946.075
17.5	959.393	951.935	943.412	939.683	941.814
18.0	956.729	949.804	938.617	934.356	936.487
18.5	953.000	945.543	935.421	930.094	930.094
19.0	949.271	942.879	931.160	926.365	925.833
19.5	947.141	939.683	926.365	921.038	920.506
20.0	941.814	934.889	921.571	915.179	914.646
20.5	939.683	931.160	916.244	910.384	909.852
21.0	934.356	927.963	912.515	905.057	904.525
21.5	931.692	922.636	908.786	899.730	899.198
22.0	927.431	919.973	903.992	894.936	894.403
22.5	921.571	913.048	898.665	889.609	889.076
23.0	917.842	908.786	893.338	883.749	884.815
23.5	913.581	905.590	888.544	878.955	879.488
24.0	909.852	900.796	882.684	874.161	871.497
24.5	904.525	897.067	877.357	868.834	866.170
25.0	901.328	891.207	872.030	862.974	860.843
25.5	897.600	887.478	866.703	857.114	856.582
26.0	893.338	883.217	860.843	852.320	851.255
26.5	888.011	877.357	854.984	845.395	845.928

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CANDELA TABULATION - (Cont.)

27.0	883.749	872.030	849.124	840.601	840.068
27.5	876.824	867.236	844.330	835.274	834.208
28.0	872.563	862.441	839.003	828.349	827.816
28.5	868.834	857.647	833.143	822.489	821.423
29.0	863.507	851.787	827.816	817.162	815.564
29.5	857.114	846.460	821.423	810.237	809.171
30.0	853.385	841.133	815.564	803.844	802.779
30.5	846.993	834.741	809.704	797.985	795.854
31.0	843.797	828.349	803.844	791.592	789.461
31.5	837.937	823.022	796.919	785.733	783.069
32.0	832.077	817.162	790.527	779.340	776.144
32.5	828.349	811.835	784.134	772.948	770.284
33.0	820.891	806.508	778.807	765.490	762.826
33.5	816.096	799.583	772.415	759.630	755.901
34.0	811.302	793.723	765.490	752.705	748.976
34.5	804.377	787.331	759.630	746.313	742.051
35.0	798.517	782.004	752.172	738.855	735.126
35.5	794.256	776.144	746.845	732.463	729.266
36.0	787.331	768.686	739.388	725.537	722.874
36.5	780.938	762.826	732.463	718.612	714.883
37.0	776.144	756.434	725.537	711.687	709.024
37.5	769.752	749.509	718.612	704.229	702.099
38.0	762.826	742.584	711.687	696.772	694.108
38.5	756.434	735.659	704.762	690.379	687.716
39.0	750.574	729.799	698.370	682.921	680.791
39.5	743.649	723.407	692.510	675.464	673.333
40.0	738.322	717.547	684.520	668.539	665.342
40.5	730.864	710.089	677.062	661.613	657.352
41.0	725.005	702.631	669.604	654.156	649.894
41.5	718.612	695.706	663.212	647.231	642.969
42.0	712.220	688.781	656.286	638.707	635.511
42.5	705.828	681.856	648.296	631.250	628.053
43.0	698.902	674.398	640.838	623.792	620.063
43.5	693.043	666.408	633.380	616.334	612.072
44.0	687.183	659.483	626.455	609.409	605.147
44.5	679.725	653.090	618.465	602.484	597.689
45.0	673.333	645.632	612.072	595.026	589.699
45.5	666.940	639.240	604.615	586.503	580.643
46.0	659.483	631.250	597.157	577.980	573.185
46.5	652.558	624.857	590.232	570.522	566.260
47.0	645.632	617.399	582.774	563.064	557.204
47.5	638.707	609.942	574.251	555.073	549.746
48.0	631.250	601.951	567.326	547.616	542.289
48.5	624.857	595.559	559.335	539.625	533.233
49.0	617.399	588.101	551.345	531.422	525.562
49.5	610.474	579.578	543.354	523.378	517.305
50.0	603.016	572.653	535.896	515.547	509.741
50.5	596.091	564.662	528.651	507.823	501.910
51.0	588.101	557.204	520.981	499.886	493.387
51.5	580.643	549.746	512.937	492.428	485.716
52.0	573.718	541.756	505.372	484.224	478.098
52.5	567.326	533.765	497.489	476.234	470.108
53.0	559.335	526.148	489.019	468.350	461.851
53.5	551.877	518.317	481.348	459.986	453.168
54.0	544.952	510.753	472.984	452.049	444.751
54.5	536.429	503.242	465.047	443.792	437.347

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CANDELA TABULATION - (Cont.)

55.0	529.237	494.985	457.376	436.015	429.623
55.5	521.726	487.580	449.546	427.598	420.780
56.0	513.896	480.016	441.768	419.821	412.310
56.5	505.479	471.653	433.937	411.671	403.627
57.0	498.341	463.769	426.213	403.041	395.903
57.5	491.682	455.885	417.956	394.997	387.379
58.0	483.851	448.001	409.646	386.580	378.004
58.5	475.222	439.850	401.603	378.217	369.694
59.0	467.284	431.913	393.292	369.854	360.212
59.5	459.134	423.763	385.355	361.543	351.156
60.0	451.623	415.719	377.098	352.541	342.473
60.5	444.059	407.835	369.374	344.071	333.417
61.0	435.695	399.632	361.064	334.749	324.095
61.5	427.811	391.481	353.180	325.480	315.305
62.0	419.874	383.278	345.349	316.690	306.995
62.5	411.511	375.660	337.039	308.380	297.247
63.0	403.840	367.510	328.889	299.590	288.297
63.5	396.116	359.466	320.472	291.493	280.040
64.0	388.445	351.156	312.588	282.438	270.984
64.5	380.827	342.792	304.917	272.902	261.822
65.0	372.997	334.749	297.353	263.740	252.340
65.5	364.473	326.865	289.736	254.577	242.592
66.0	356.110	319.087	281.053	245.362	232.950
66.5	348.333	311.203	272.370	236.359	223.521
67.0	340.395	303.639	263.633	226.983	214.412
67.5	332.778	296.234	254.631	217.981	204.983
68.0	323.988	288.031	245.948	208.818	195.927
68.5	315.838	280.147	238.064	199.496	186.392
69.0	308.167	271.997	229.327	190.334	176.803
69.5	300.869	264.113	219.632	181.011	167.374
70.0	293.571	256.175	210.363	171.849	157.786
70.5	286.166	248.132	201.787	162.793	150.008
71.0	277.270	240.461	193.050	153.205	143.616
71.5	269.014	232.204	184.048	143.776	137.490
72.0	261.556	223.841	175.152	136.584	131.470
72.5	253.192	216.010	166.043	130.725	125.451
73.0	244.776	207.593	157.306	124.599	119.751
73.5	236.732	199.603	148.730	118.739	113.891
74.0	228.528	191.932	140.100	112.773	107.925
74.5	220.431	183.728	131.044	106.806	102.119
75.0	212.494	175.791	122.042	100.947	96.632
75.5	204.717	168.493	113.199	95.087	90.985
76.0	196.992	160.609	105.528	89.600	85.339
76.5	188.789	152.405	99.455	84.113	80.065
77.0	180.852	143.882	93.489	78.786	74.738
77.5	173.181	135.625	87.576	73.459	69.677
78.0	165.190	127.315	81.929	68.079	64.457
78.5	157.519	119.378	76.176	62.699	59.130
79.0	149.635	110.429	70.636	57.532	53.909
79.5	141.698	101.852	65.256	52.524	48.742
80.0	134.027	93.649	59.982	47.570	43.788
80.5	126.303	85.498	54.868	42.616	39.100
81.0	118.739	77.455	49.648	37.875	34.572
81.5	111.281	69.304	44.747	33.347	30.524
82.0	103.397	61.207	39.846	29.778	27.381
82.5	95.620	53.909	34.892	25.889	24.717

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CANDELA TABULATION - (Cont.)

83.0	88.162	47.836	30.044	23.066	22.107
83.5	80.491	42.243	25.570	20.402	19.177
84.0	72.820	36.969	21.841	17.526	16.674
84.5	65.202	32.015	18.964	15.075	14.649
85.0	57.425	27.381	16.141	13.158	12.838
85.5	50.021	22.640	13.318	11.400	11.133
86.0	42.669	18.112	11.080	9.695	9.482
86.5	35.318	13.957	9.269	7.991	7.724
87.0	28.340	11.347	7.511	6.392	6.179
87.5	21.201	8.097	5.860	4.794	4.634
88.0	14.383	5.806	4.262	3.409	3.303
88.5	9.216	4.155	3.196	2.823	2.557
89.0	5.380	2.664	3.196	2.983	2.184
89.5	2.610	1.545	3.036	2.078	1.758
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-L30-830-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
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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 : APC-14-L30-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	367.84	N.A.	14.00
0-30	771.83	N.A.	29.50
0-40	1247.11	N.A.	47.60
0-60	2142.78	N.A.	81.80
0-80	2588.96	N.A.	98.90
0-90	2618.65	N.A.	100.00
10-90	2522.8	N.A.	96.30
20-40	879.26	N.A.	33.60
20-50	1357.87	N.A.	51.90
40-70	1193.89	N.A.	45.60
60-80	446.19	N.A.	17.00
70-80	147.97	N.A.	5.70
80-90	29.69	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	2618.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.85
10-20	271.99
20-30	403.98
30-40	475.28
40-50	478.61
50-60	417.06
60-70	298.22
70-80	147.97
80-90	29.69
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-L30-830-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	114	114	114	114	112	112	112	112	107	107	107	102	102	102	98	98	98	96
1	105	101	97	93	103	99	95	92	95	92	89	91	88	86	87	85	84	82
2	96	88	82	77	93	86	81	76	83	78	74	80	76	72	77	74	71	69
3	88	78	70	64	85	76	69	64	73	67	62	71	66	61	68	64	60	58
4	80	69	61	55	78	68	60	54	65	59	54	63	57	53	61	56	52	50
5	74	62	53	47	72	61	53	47	59	52	46	57	51	46	55	50	45	43
6	68	56	47	41	67	55	47	41	53	46	41	52	45	40	50	44	40	38
7	63	51	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34
8	59	46	38	33	58	46	38	33	44	37	32	43	37	32	42	36	32	30
9	55	43	35	30	54	42	35	29	41	34	29	40	34	29	39	33	29	27
10	52	39	32	27	51	39	32	27	38	31	27	37	31	27	36	30	26	25

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

UGR TABLE - CORRECTED

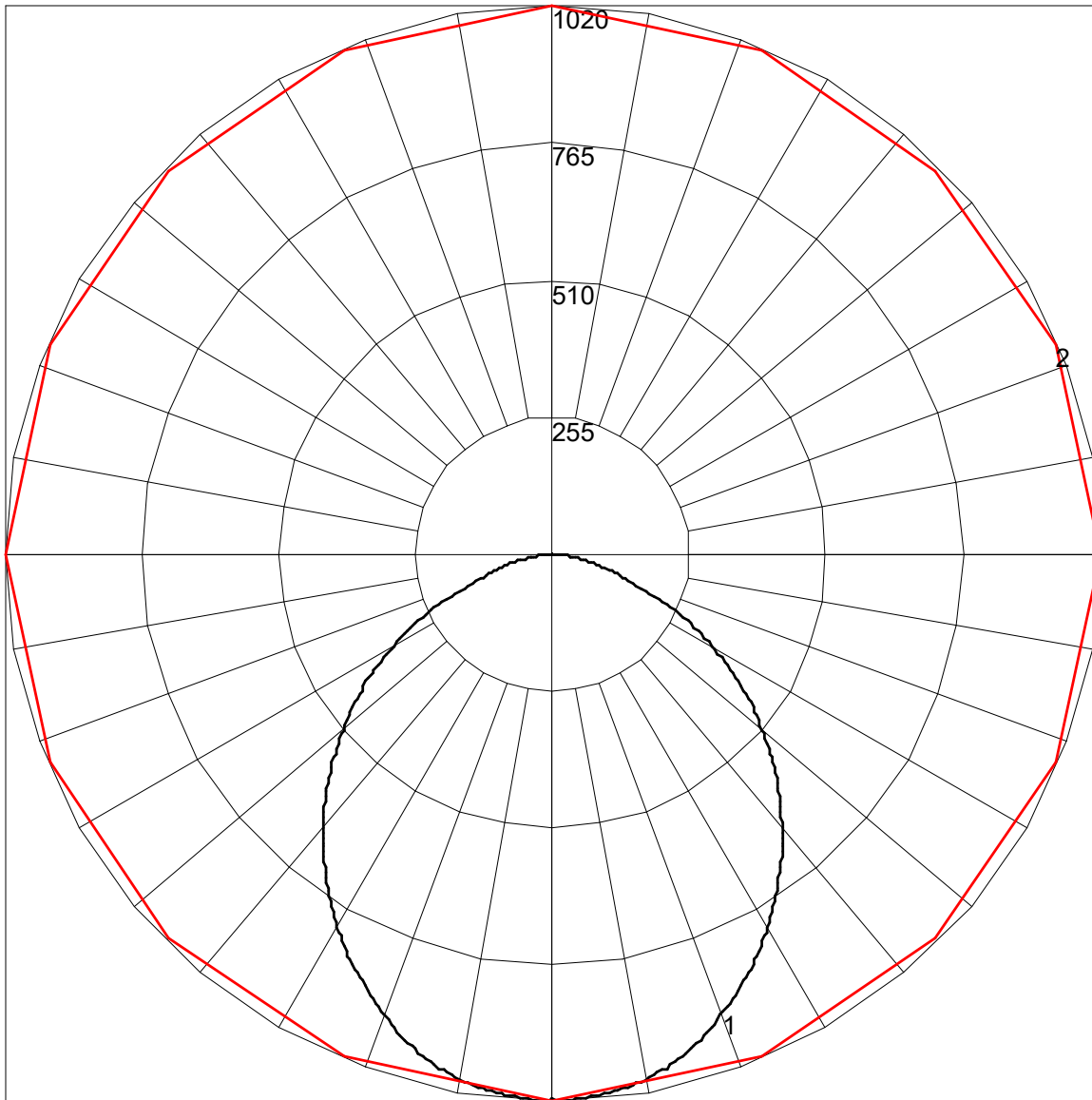
Reflectances

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					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 = 1019.588 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.)