



IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-24-L30-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 14972499.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 2023-10-24
 [TEST DATE] 9/20/2023
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] APC-24-L30-835-DIM-UNV
 [LUMINAIRE] RECESSED 2X4 ARCH LED LUMINAIRE
 [MORE] W/CENTER FIN
 [LAMP] LED
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Architectural, Direct-Indirect
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	26.4
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)	3.80 ft
Luminous Width (90-270)	1.87 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1436	1418	1432
55	1392	1363	1387
65	1306	1266	1284
75	1145	1070	1087
85	687	624	659

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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	1029.041	1029.041	1029.041	1029.041	1029.041
0.5	1027.043	1029.041	1030.040	1030.040	1030.040
1.0	1027.043	1030.040	1030.040	1030.040	1030.040
1.5	1026.044	1029.041	1029.041	1029.041	1029.041
2.0	1025.045	1029.041	1029.041	1029.041	1028.042
2.5	1025.045	1028.042	1029.041	1029.041	1028.042
3.0	1024.046	1027.043	1028.042	1028.042	1028.042
3.5	1024.046	1027.043	1027.043	1027.043	1027.043
4.0	1023.047	1026.044	1026.044	1026.044	1027.043
4.5	1022.048	1025.045	1025.045	1026.044	1025.045
5.0	1021.048	1023.047	1024.046	1025.045	1025.045
5.5	1019.050	1022.048	1023.047	1024.046	1023.047
6.0	1017.052	1021.048	1022.048	1023.047	1022.048
6.5	1016.053	1019.050	1020.049	1021.048	1022.048
7.0	1015.054	1018.051	1019.050	1020.049	1020.049
7.5	1013.056	1015.054	1017.052	1018.051	1019.050
8.0	1011.058	1014.055	1016.053	1017.052	1017.052
8.5	1009.060	1012.057	1014.055	1015.054	1016.053
9.0	1007.062	1010.059	1012.057	1014.055	1014.055
9.5	1005.063	1009.060	1010.059	1012.057	1012.057
10.0	1003.065	1007.062	1008.061	1010.059	1010.059
10.5	1001.067	1004.064	1006.062	1008.061	1008.061
11.0	998.769	1002.066	1004.064	1006.062	1007.062
11.5	996.671	1000.068	1002.066	1004.064	1005.063
12.0	994.273	997.970	999.069	1002.066	1003.065
12.5	992.275	995.273	996.771	1000.068	1001.067
13.0	990.077	992.775	994.773	997.271	998.370
13.5	987.180	989.478	992.275	994.873	995.672
14.0	984.083	987.080	989.278	991.976	993.075
14.5	980.786	984.582	986.581	989.178	990.077
15.0	978.288	981.485	983.583	986.081	987.080
15.5	975.990	978.089	980.686	983.184	984.383
16.0	972.694	974.892	977.689	979.887	980.986
16.5	969.696	971.894	974.692	976.490	977.989
17.0	965.700	969.297	971.095	973.093	974.292
17.5	962.403	966.000	967.898	969.297	970.396
18.0	959.306	962.203	964.201	965.700	966.699
18.5	955.410	958.607	960.805	961.504	962.503
19.0	952.013	955.110	957.008	957.708	958.707
19.5	948.116	951.413	953.112	953.611	955.310
20.0	944.919	947.917	949.415	949.215	951.114
20.5	941.023	943.920	945.519	945.119	947.017
21.0	937.227	939.824	941.423	941.023	942.721
21.5	933.230	935.628	937.327	937.027	938.326
22.0	928.735	931.832	932.831	932.531	934.030
22.5	924.538	927.735	928.335	928.035	929.833
23.0	920.442	923.539	923.939	923.639	925.637
23.5	916.546	918.844	919.743	918.844	921.441
24.0	912.250	914.847	914.748	914.448	917.045
24.5	907.654	910.651	910.152	910.152	912.550
25.0	903.258	906.855	905.256	905.656	908.154
25.5	898.163	902.259	900.761	900.561	903.358
26.0	894.167	897.464	896.165	896.165	898.862
26.5	889.671	892.768	891.269	891.469	893.467

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CANDELA TABULATION - (Cont.)

27.0	885.575	888.572	886.574	886.474	889.171
27.5	880.479	883.876	881.279	881.678	884.875
28.0	876.183	879.281	876.483	876.683	880.380
28.5	871.288	874.685	871.588	871.588	875.584
29.0	866.493	869.690	866.692	866.892	870.489
29.5	861.397	864.594	861.397	861.797	865.294
30.0	856.602	859.999	856.202	856.901	859.999
30.5	851.207	855.103	851.107	851.606	855.503
31.0	846.411	850.208	845.612	846.112	849.808
31.5	841.416	844.613	840.417	840.916	844.113
32.0	836.720	839.218	835.022	835.322	838.818
32.5	831.225	833.923	829.427	829.627	833.923
33.0	825.731	828.328	823.533	824.432	827.829
33.5	820.036	822.933	817.938	818.337	822.434
34.0	814.741	816.839	811.943	812.543	816.939
34.5	809.046	810.545	806.049	806.748	810.545
35.0	803.251	804.650	799.655	800.554	804.550
35.5	797.657	798.856	793.061	793.860	798.456
36.0	791.263	792.462	786.667	787.366	792.062
36.5	784.569	785.968	780.073	780.872	785.968
37.0	778.574	779.374	773.479	774.179	778.974
37.5	772.081	772.180	766.785	767.385	772.280
38.0	765.287	765.487	759.992	760.691	765.587
38.5	758.593	758.693	752.898	753.798	758.193
39.0	751.300	751.600	745.905	747.004	751.400
39.5	744.906	744.206	738.911	740.010	743.707
40.0	738.312	737.213	731.818	732.917	737.013
40.5	730.619	730.120	724.725	725.924	730.319
41.0	723.726	723.326	717.631	718.730	723.326
41.5	716.432	716.233	710.538	711.537	716.732
42.0	709.339	708.740	703.245	704.743	709.239
42.5	702.945	701.546	695.951	697.750	702.345
43.0	695.752	694.353	689.058	690.556	695.452
43.5	689.158	687.659	681.964	683.463	688.758
44.0	682.964	680.466	674.971	676.470	682.264
44.5	676.270	672.973	668.077	669.476	674.871
45.0	669.476	666.279	661.184	662.682	667.878
45.5	662.882	658.986	654.290	655.389	661.184
46.0	656.288	652.192	647.097	648.795	654.290
46.5	649.095	645.299	639.704	641.402	647.197
47.0	641.902	638.305	633.310	634.509	639.904
47.5	634.908	631.012	625.817	627.615	632.810
48.0	628.314	623.919	619.722	621.821	626.716
48.5	622.420	619.323	614.827	616.525	620.622
49.0	616.625	612.929	607.334	609.332	614.627
49.5	609.632	605.536	600.041	601.839	607.834
50.0	602.139	597.943	592.648	594.546	600.440
50.5	594.746	590.550	585.055	587.053	592.548
51.0	586.953	583.157	577.462	579.460	584.955
51.5	579.460	575.564	569.769	571.867	577.562
52.0	571.667	567.871	561.976	564.174	570.368
52.5	564.374	559.978	554.383	556.481	562.776
53.0	557.081	551.986	546.790	548.988	554.783
53.5	549.388	544.293	538.998	541.196	547.190
54.0	541.795	536.500	531.205	533.603	539.697
54.5	533.803	528.607	523.312	525.710	532.204

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CANDELA TABULATION - (Cont.)

55.0	526.310	520.515	515.420	517.817	524.411
55.5	518.717	512.622	507.527	509.825	516.219
56.0	511.024	504.530	499.734	502.032	508.526
56.5	503.531	496.537	491.442	494.040	500.534
57.0	495.538	488.545	483.449	485.747	492.441
57.5	487.346	480.552	475.457	477.755	484.648
58.0	479.153	472.260	467.564	469.762	476.256
58.5	471.161	464.068	459.472	461.770	467.864
59.0	462.969	456.175	451.379	453.777	458.972
59.5	454.876	448.182	443.087	445.685	450.880
60.0	446.684	440.190	434.995	437.692	442.388
60.5	438.391	432.197	427.002	429.500	433.896
61.0	430.399	423.905	418.810	421.108	425.304
61.5	422.007	415.813	410.717	412.615	416.911
62.0	413.615	407.820	402.525	404.123	408.519
62.5	405.122	399.727	394.432	395.631	400.127
63.0	396.630	391.335	386.040	387.139	391.735
63.5	388.638	382.943	377.948	378.647	383.243
64.0	380.545	374.451	369.656	370.155	374.751
64.5	372.353	366.059	361.163	361.563	366.359
65.0	364.061	357.567	352.771	352.971	357.867
65.5	355.669	349.075	344.479	344.179	349.275
66.0	347.376	340.583	336.187	335.487	340.782
66.5	339.084	331.991	327.695	326.895	332.190
67.0	330.592	323.499	319.003	318.303	323.499
67.5	322.300	315.106	310.411	309.611	314.807
68.0	313.708	306.714	301.719	300.720	306.115
68.5	305.315	298.022	293.127	292.128	297.423
69.0	297.123	289.430	284.435	283.436	288.531
69.5	288.731	281.138	275.743	274.844	279.839
70.0	280.139	272.646	267.051	266.352	271.347
70.5	271.547	264.354	258.459	257.760	262.655
71.0	262.855	255.961	249.867	249.168	253.963
71.5	254.163	247.669	241.275	240.676	245.072
72.0	245.871	239.377	232.883	232.184	236.480
72.5	237.179	230.985	224.191	223.791	227.988
73.0	228.487	222.792	215.799	215.199	219.595
73.5	220.195	214.500	207.407	206.807	211.103
74.0	211.803	206.208	199.114	198.615	202.411
74.5	203.610	198.015	190.722	190.423	194.019
75.0	195.318	189.823	182.530	182.130	185.527
75.5	187.126	181.731	174.338	173.838	177.335
76.0	179.033	173.638	166.145	165.546	168.643
76.5	171.041	165.446	158.053	157.154	160.051
77.0	163.048	157.353	150.060	148.661	151.259
77.5	154.956	149.261	142.068	140.269	142.367
78.0	147.163	141.368	134.075	131.877	133.675
78.5	139.070	133.276	126.182	123.485	124.484
79.0	131.178	125.183	118.290	114.993	114.893
79.5	123.085	117.391	110.497	106.301	104.503
80.0	115.293	109.598	102.804	97.110	95.311
80.5	107.400	101.805	95.011	87.918	88.817
81.0	99.607	94.212	87.419	80.625	82.923
81.5	91.715	86.719	79.726	74.730	77.028
82.0	83.922	79.326	72.233	69.036	71.234
82.5	76.329	72.033	64.640	63.441	65.539

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CANDELA TABULATION - (Cont.)

83.0	68.636	64.840	57.646	57.846	59.944
83.5	61.043	57.746	51.752	52.351	54.349
84.0	53.550	50.853	46.357	46.956	48.655
84.5	46.357	44.259	41.062	41.661	43.260
85.0	39.463	38.065	35.867	36.366	37.865
85.5	33.369	32.370	30.771	31.171	32.570
86.0	27.874	27.175	25.876	26.176	27.275
86.5	22.979	22.379	21.080	21.180	21.980
87.0	18.683	17.783	16.585	16.385	16.884
87.5	14.786	13.687	12.189	11.589	11.689
88.0	11.389	9.991	8.292	6.794	6.094
88.5	8.292	6.993	5.095	3.297	2.498
89.0	5.395	4.496	2.697	1.798	1.599
89.5	2.997	2.598	1.399	1.099	1.099
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

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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-24-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 : APC-24-L30-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	374.59	N.A.	13.10
0-30	792.14	N.A.	27.70
0-40	1293.16	N.A.	45.10
0-60	2271.01	N.A.	79.30
0-80	2819.57	N.A.	98.40
0-90	2864.88	N.A.	100.00
10-90	2767.67	N.A.	96.60
20-40	918.57	N.A.	32.10
20-50	1432.1	N.A.	50.00
40-70	1329.73	N.A.	46.40
60-80	548.56	N.A.	19.10
70-80	196.68	N.A.	6.90
80-90	45.31	N.A.	1.60
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	2864.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.21
10-20	277.38
20-30	417.55
30-40	501.02
40-50	513.53
50-60	464.32
60-70	351.88
70-80	196.68
80-90	45.31
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-24-L30-835-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	60	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-24-L30-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

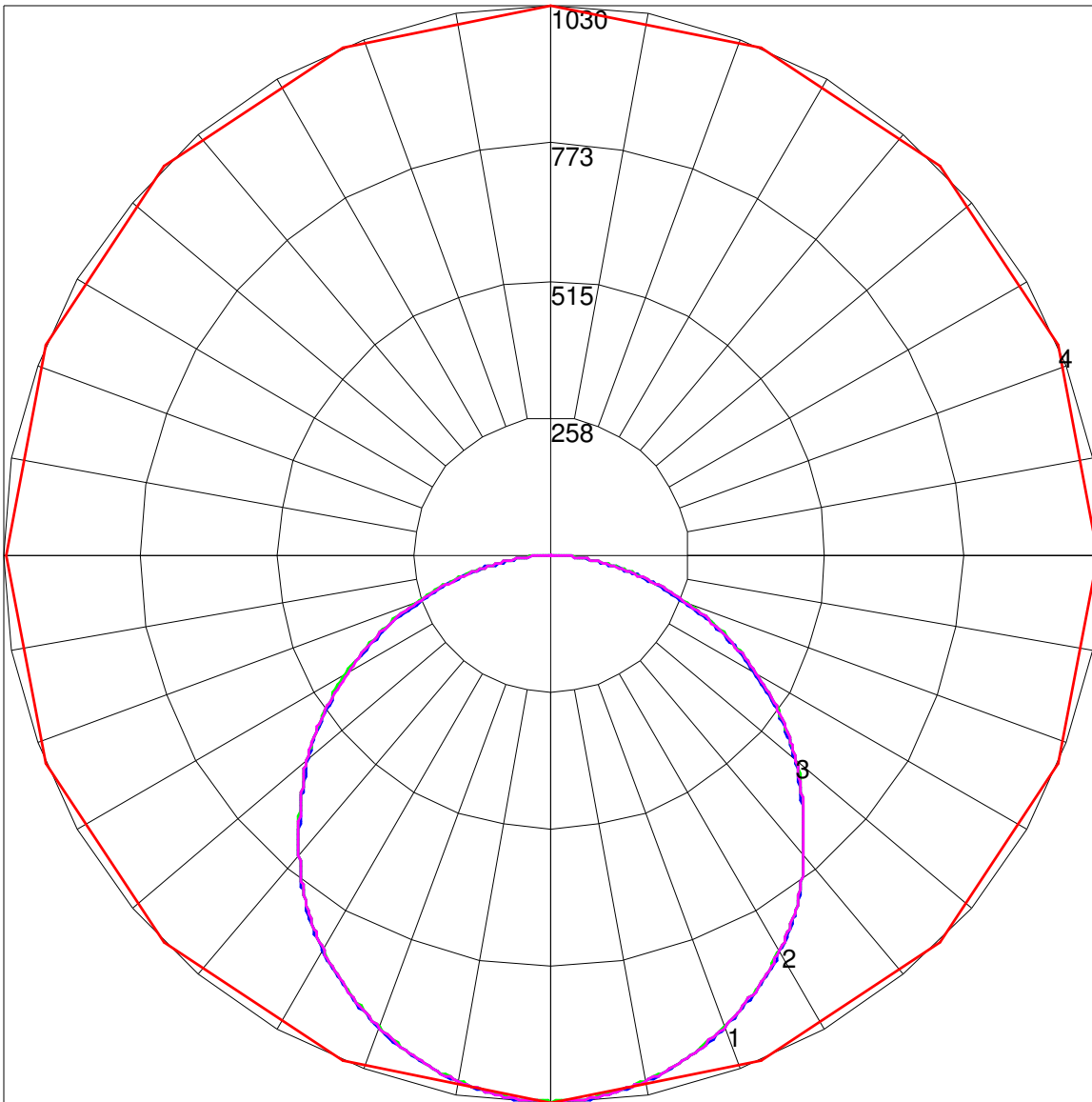
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	13.3	15.0	13.7	15.3	15.6	13.3	14.9	13.7	15.2	15.6
	3H	15.2	16.7	15.6	17.0	17.3	15.1	16.6	15.5	16.9	17.3
	4H	15.9	17.3	16.3	17.6	18.0	15.7	17.1	16.1	17.5	17.8
	6H	16.3	17.6	16.8	18.0	18.4	16.1	17.4	16.5	17.8	18.2
	8H	16.5	17.7	16.9	18.1	18.5	16.2	17.5	16.7	17.9	18.3
	12H	16.6	17.7	17.0	18.1	18.5	16.3	17.5	16.7	17.9	18.3
4H	2H	14.0	15.3	14.4	15.7	16.1	13.9	15.3	14.3	15.7	16.0
	3H	16.0	17.2	16.4	17.6	18.0	15.9	17.1	16.3	17.5	17.9
	4H	16.8	17.9	17.2	18.3	18.7	16.7	17.7	17.1	18.1	18.6
	6H	17.4	18.3	17.9	18.8	19.2	17.2	18.1	17.6	18.6	19.0
	8H	17.6	18.5	18.0	18.9	19.4	17.3	18.2	17.8	18.6	19.1
	12H	17.7	18.5	18.2	19.0	19.4	17.4	18.2	17.9	18.7	19.1
8H	4H	17.1	17.9	17.5	18.4	18.9	17.0	17.8	17.4	18.3	18.7
	6H	17.8	18.5	18.3	19.0	19.5	17.6	18.3	18.1	18.8	19.3
	8H	18.0	18.7	18.6	19.2	19.7	17.8	18.4	18.3	18.9	19.4
	12H	18.2	18.8	18.7	19.3	19.8	17.9	18.5	18.4	19.0	19.5
12H	4H	17.1	17.9	17.6	18.4	18.8	17.0	17.8	17.5	18.2	18.7
	6H	17.8	18.5	18.4	19.0	19.5	17.6	18.3	18.2	18.7	19.3
	8H	18.1	18.7	18.6	19.2	19.7	17.9	18.4	18.4	18.9	19.5

Maximum UGR = 19.8

POLAR GRAPH



Maximum Candela = 1030.04 Located At Horizontal Angle = 22.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (5 - 185)
3 - Vertical Plane Through Horizontal Angles (10 - 190)
4 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)