



IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-22-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-22-L30-835-DIM-UNV
 [LUMINAIRE] RECESSED 2X2 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	2817
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	25.4
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)	1.80 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	2979	2943	2972
55	2888	2828	2877
65	2711	2627	2665
75	2375	2219	2256
85	1425	1295	1367

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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	1012.007	1012.007	1012.007	1012.007	1012.007
0.5	1010.042	1012.007	1012.990	1012.990	1012.990
1.0	1010.042	1012.990	1012.990	1012.990	1012.990
1.5	1009.060	1012.007	1012.007	1012.007	1012.007
2.0	1008.077	1012.007	1012.007	1012.007	1011.025
2.5	1008.077	1011.025	1012.007	1012.007	1011.025
3.0	1007.095	1010.042	1011.025	1011.025	1011.025
3.5	1007.095	1010.042	1010.042	1010.042	1010.042
4.0	1006.112	1009.060	1009.060	1009.060	1010.042
4.5	1005.130	1008.077	1008.077	1009.060	1008.077
5.0	1004.147	1006.112	1007.095	1008.077	1008.077
5.5	1002.182	1005.130	1006.112	1007.095	1006.112
6.0	1000.217	1004.147	1005.130	1006.112	1005.130
6.5	999.234	1002.182	1003.165	1004.147	1005.130
7.0	998.252	1001.200	1002.182	1003.165	1003.165
7.5	996.287	998.252	1000.217	1001.200	1002.182
8.0	994.322	997.269	999.234	1000.217	1000.217
8.5	992.357	995.304	997.269	998.252	999.234
9.0	990.392	993.339	995.304	997.269	997.269
9.5	988.427	992.357	993.339	995.304	995.304
10.0	986.462	990.392	991.374	993.339	993.339
10.5	984.496	987.444	989.409	991.374	991.374
11.0	982.237	985.479	987.444	989.409	990.392
11.5	980.173	983.514	985.479	987.444	988.427
12.0	977.815	981.451	982.531	985.479	986.462
12.5	975.850	978.798	980.272	983.514	984.496
13.0	973.689	976.341	978.307	980.763	981.844
13.5	970.839	973.099	975.850	978.405	979.191
14.0	967.793	970.741	972.903	975.555	976.636
14.5	964.551	968.285	970.250	972.804	973.689
15.0	962.095	965.239	967.302	969.759	970.741
15.5	959.835	961.898	964.453	966.909	968.088
16.0	956.593	958.754	961.505	963.667	964.748
16.5	953.645	955.807	958.558	960.326	961.800
17.0	949.715	953.252	955.021	956.986	958.165
17.5	946.473	950.010	951.876	953.252	954.333
18.0	943.427	946.276	948.241	949.715	950.697
18.5	939.595	942.739	944.900	945.588	946.571
19.0	936.254	939.300	941.167	941.855	942.837
19.5	932.422	935.665	937.335	937.826	939.497
20.0	929.278	932.226	933.700	933.503	935.370
20.5	925.446	928.296	929.868	929.475	931.342
21.0	921.713	924.267	925.839	925.446	927.117
21.5	917.783	920.141	921.811	921.516	922.794
22.0	913.361	916.407	917.390	917.095	918.569
22.5	909.235	912.379	912.968	912.673	914.442
23.0	905.206	908.252	908.645	908.350	910.315
23.5	901.374	903.634	904.518	903.634	906.189
24.0	897.149	899.704	899.606	899.311	901.866
24.5	892.630	895.577	895.086	895.086	897.444
25.0	888.307	891.844	890.272	890.665	893.121
25.5	883.296	887.324	885.850	885.654	888.405
26.0	879.366	882.608	881.331	881.331	883.984
26.5	874.944	877.990	876.516	876.713	878.678

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CANDELA TABULATION - (Cont.)

27.0	870.916	873.863	871.898	871.800	874.453
27.5	865.905	869.246	866.691	867.084	870.228
28.0	861.680	864.726	861.975	862.171	865.807
28.5	856.866	860.206	857.160	857.160	861.091
29.0	852.150	855.294	852.346	852.543	856.080
29.5	847.139	850.283	847.139	847.532	850.970
30.0	842.422	845.763	842.029	842.717	845.763
30.5	837.117	840.949	837.019	837.510	841.342
31.0	832.401	836.134	831.615	832.106	835.741
31.5	827.488	830.632	826.505	826.997	830.141
32.0	822.870	825.326	821.200	821.495	824.933
32.5	817.466	820.119	815.698	815.894	820.119
33.0	812.062	814.617	809.901	810.785	814.126
33.5	806.462	809.311	804.398	804.791	808.820
34.0	801.254	803.318	798.503	799.093	803.416
34.5	795.654	797.128	792.706	793.394	797.128
35.0	789.955	791.331	786.418	787.302	791.233
35.5	784.453	785.632	779.933	780.719	785.239
36.0	778.165	779.344	773.645	774.333	778.951
36.5	771.582	772.957	767.161	767.947	772.957
37.0	765.687	766.473	760.676	761.364	766.080
37.5	759.300	759.399	754.093	754.682	759.497
38.0	752.619	752.816	747.412	748.099	752.914
38.5	746.036	746.134	740.436	741.320	745.643
39.0	738.864	739.158	733.558	734.639	738.962
39.5	732.575	731.888	726.680	727.761	731.396
40.0	726.091	725.010	719.704	720.785	724.813
40.5	718.525	718.034	712.728	713.907	718.230
41.0	711.746	711.353	705.752	706.833	711.353
41.5	704.573	704.377	698.776	699.759	704.868
42.0	697.597	697.008	691.604	693.078	697.499
42.5	691.309	689.934	684.431	686.200	690.720
43.0	684.235	682.859	677.652	679.126	683.940
43.5	677.750	676.276	670.676	672.150	677.357
44.0	671.658	669.202	663.798	665.272	670.971
44.5	665.076	661.833	657.019	658.394	663.700
45.0	658.394	655.250	650.239	651.713	656.822
45.5	651.910	648.078	643.460	644.541	650.239
46.0	645.425	641.397	636.386	638.056	643.460
46.5	638.351	634.617	629.115	630.785	636.484
47.0	631.276	627.739	622.827	624.006	629.311
47.5	624.399	620.567	615.458	617.226	622.335
48.0	617.914	613.591	609.464	611.528	616.342
48.5	612.117	609.071	604.650	606.320	610.349
49.0	606.418	602.783	597.281	599.246	604.453
49.5	599.541	595.512	590.108	591.877	597.772
50.0	592.172	588.045	582.838	584.704	590.501
50.5	584.901	580.774	575.370	577.335	582.739
51.0	577.237	573.504	567.903	569.868	575.272
51.5	569.868	566.036	560.338	562.401	568.001
52.0	562.204	558.471	552.674	554.835	560.927
52.5	555.032	550.709	545.207	547.270	553.460
53.0	547.860	542.849	537.739	539.901	545.600
53.5	540.294	535.283	530.076	532.237	538.132
54.0	532.827	527.619	522.412	524.770	530.763
54.5	524.967	519.857	514.650	517.008	523.394

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CANDELA TABULATION - (Cont.)

55.0	517.598	511.899	506.888	509.246	515.731
55.5	510.130	504.137	499.126	501.386	507.674
56.0	502.565	496.178	491.462	493.722	500.108
56.5	495.196	488.318	483.307	485.862	492.248
57.0	487.336	480.458	475.447	477.707	484.290
57.5	479.279	472.598	467.587	469.847	476.626
58.0	471.222	464.443	459.825	461.986	468.373
58.5	463.362	456.386	451.866	454.126	460.119
59.0	455.305	448.624	443.908	446.266	451.375
59.5	447.347	440.764	435.753	438.307	443.416
60.0	439.290	432.903	427.794	430.447	435.065
60.5	431.135	425.043	419.934	422.390	426.713
61.0	423.275	416.888	411.877	414.137	418.264
61.5	415.021	408.930	403.919	405.785	410.010
62.0	406.768	401.069	395.862	397.434	401.757
62.5	398.416	393.111	387.903	389.082	393.504
63.0	390.065	384.858	379.650	380.731	385.251
63.5	382.205	376.604	371.692	372.379	376.899
64.0	374.246	368.253	363.537	364.028	368.548
64.5	366.189	360.000	355.185	355.578	360.294
65.0	358.034	351.648	346.932	347.128	351.943
65.5	349.781	343.296	338.777	338.482	343.493
66.0	341.626	334.945	330.622	329.934	335.141
66.5	333.471	326.495	322.270	321.484	326.692
67.0	325.120	318.144	313.722	313.035	318.144
67.5	316.965	309.890	305.273	304.486	309.596
68.0	308.515	301.637	296.724	295.742	301.048
68.5	300.262	293.089	288.275	287.292	292.500
69.0	292.205	284.639	279.727	278.744	283.755
69.5	283.952	276.484	271.179	270.294	275.207
70.0	275.502	268.133	262.631	261.943	266.856
70.5	267.052	259.978	254.181	253.493	258.308
71.0	258.504	251.725	245.731	245.043	249.759
71.5	249.956	243.570	237.281	236.692	241.015
72.0	241.801	235.415	229.028	228.340	232.565
72.5	233.253	227.161	220.480	220.087	224.214
73.0	224.705	219.105	212.227	211.637	215.960
73.5	216.550	210.949	203.974	203.384	207.609
74.0	208.297	202.794	195.819	195.327	199.061
74.5	200.240	194.738	187.565	187.270	190.808
75.0	192.085	186.681	179.508	179.115	182.456
75.5	184.028	178.722	171.452	170.960	174.399
76.0	176.070	170.764	163.395	162.805	165.851
76.5	168.209	162.707	155.436	154.552	157.402
77.0	160.349	154.749	147.576	146.201	148.755
77.5	152.391	146.790	139.716	137.947	140.011
78.0	144.727	139.028	131.856	129.694	131.463
78.5	136.768	131.070	124.094	121.441	122.423
79.0	129.006	123.111	116.332	113.089	112.991
79.5	121.048	115.447	108.668	104.541	102.773
80.0	113.384	107.784	101.102	95.502	93.733
80.5	105.622	100.120	93.439	86.463	87.347
81.0	97.958	92.653	85.971	79.290	81.550
81.5	90.196	85.284	78.406	73.493	75.753
82.0	82.533	78.013	71.037	67.893	70.054
82.5	75.065	70.841	63.570	62.391	64.454

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CANDELA TABULATION - (Cont.)

83.0	67.500	63.766	56.692	56.889	58.952
83.5	60.033	56.790	50.895	51.485	53.450
84.0	52.664	50.011	45.589	46.179	47.849
84.5	45.589	43.526	40.382	40.972	42.544
85.0	38.810	37.434	35.273	35.764	37.238
85.5	32.817	31.834	30.262	30.655	32.031
86.0	27.413	26.725	25.448	25.742	26.823
86.5	22.598	22.009	20.731	20.830	21.616
87.0	18.373	17.489	16.310	16.114	16.605
87.5	14.541	13.461	11.987	11.397	11.496
88.0	11.201	9.825	8.155	6.681	5.993
88.5	8.155	6.878	5.011	3.242	2.456
89.0	5.306	4.421	2.653	1.769	1.572
89.5	2.948	2.555	1.376	1.081	1.081
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-22-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-22-L30-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	368.39	N.A.	13.10
0-30	779.03	N.A.	27.70
0-40	1271.76	N.A.	45.10
0-60	2233.42	N.A.	79.30
0-80	2772.9	N.A.	98.40
0-90	2817.46	N.A.	100.00
10-90	2721.85	N.A.	96.60
20-40	903.37	N.A.	32.10
20-50	1408.4	N.A.	50.00
40-70	1307.72	N.A.	46.40
60-80	539.48	N.A.	19.10
70-80	193.42	N.A.	6.90
80-90	44.56	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	2817.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.60
10-20	272.79
20-30	410.64
30-40	492.73
40-50	505.03
50-60	456.63
60-70	346.05
70-80	193.43
80-90	44.56
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-22-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	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	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	27	38	31	26	37	31	26	36	30	26	24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-22-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	15.8	17.5	16.2	17.8	18.1	UGR Viewed Endwise			
	3H	17.7	19.2	18.1	19.5	19.8	15.8	17.4	16.2	17.7
	4H	18.4	19.7	18.8	20.1	20.5	17.6	19.1	18.0	19.4
	6H	18.8	20.1	19.3	20.5	20.9	18.2	19.6	18.6	20.0
	8H	19.0	20.2	19.4	20.6	21.0	18.6	19.9	19.0	20.3
	12H	19.0	20.2	19.5	20.6	21.0	18.7	20.0	19.2	20.3

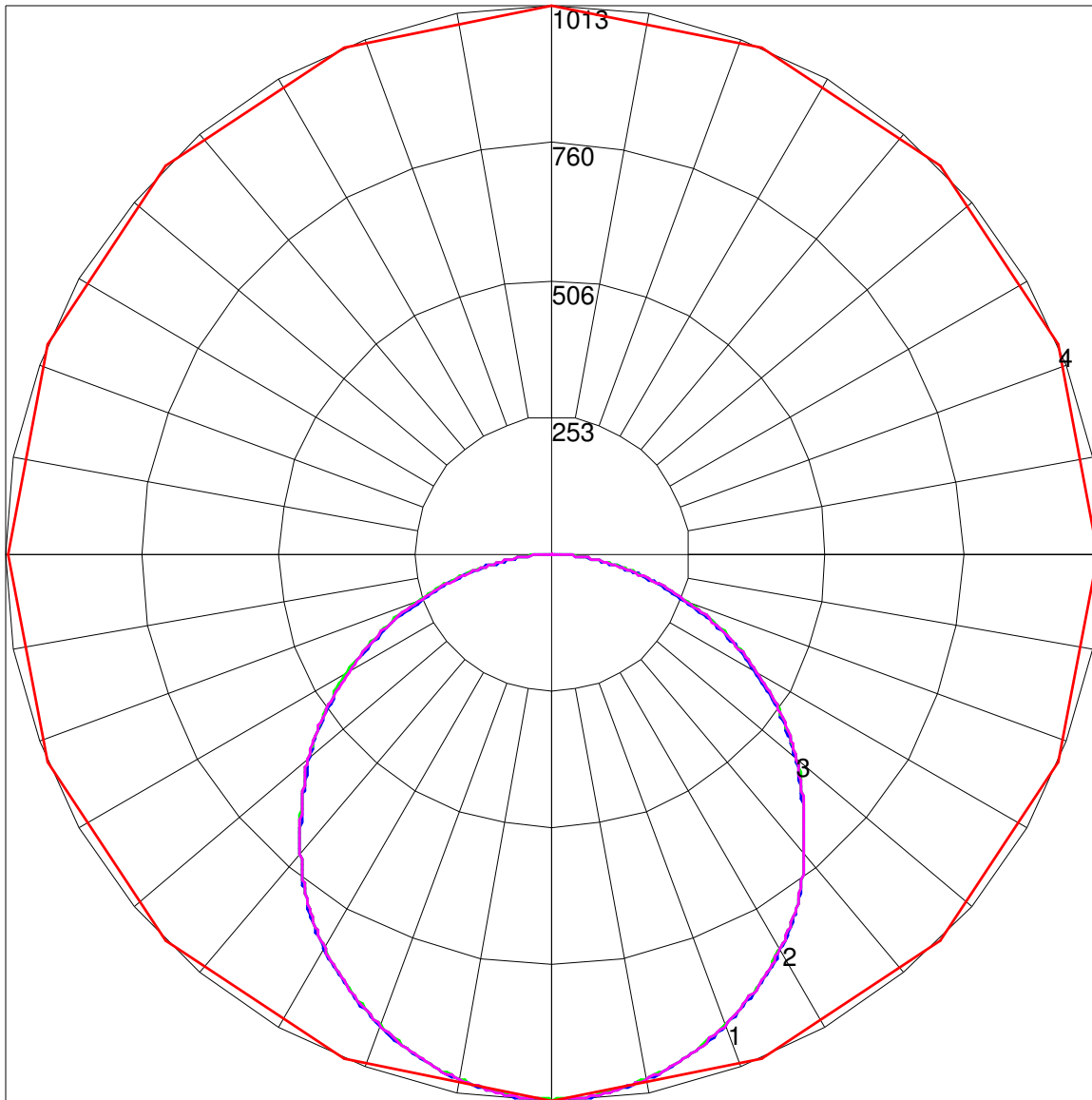
4H	2H	16.5	17.8	16.8	18.2	18.6	18.8	20.1	19.5	19.8
	3H	18.5	19.7	18.9	20.1	20.5	18.2	19.6	18.6	20.0
	4H	19.3	20.4	19.7	20.8	21.2	18.6	19.9	19.0	20.3
	6H	19.9	20.8	20.4	21.3	21.7	18.7	20.0	19.2	20.3
	8H	20.1	21.0	20.5	21.4	21.9	18.8	20.0	19.2	20.3
	12H	20.2	21.0	20.7	21.5	21.9	18.8	20.0	19.2	20.3

8H	4H	19.6	20.4	20.0	20.9	21.3	18.2	19.6	18.8	20.0
	6H	20.3	21.0	20.8	21.5	22.0	18.6	19.9	19.0	20.3
	8H	20.5	21.2	21.0	21.7	22.2	18.7	20.0	19.2	20.3
	12H	20.7	21.3	21.2	21.8	22.3	18.8	20.0	19.2	20.3

12H	4H	19.6	20.4	20.1	20.8	21.3	18.2	19.6	18.8	20.0
	6H	20.3	21.0	20.9	21.4	22.0	18.6	19.9	19.0	20.3
	8H	20.6	21.2	21.1	21.7	22.2	18.7	20.0	19.2	20.3

Maximum UGR = 22.3

POLAR GRAPH



Maximum Candela = 1012.99 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.)