



IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-24-L30-840-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-L30-840-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	2951
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
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	1479	1461	1475
55	1433	1404	1428
65	1346	1304	1323
75	1179	1102	1120
85	707	643	679

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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	1059.912	1059.912	1059.912	1059.912	1059.912
0.5	1057.854	1059.912	1060.941	1060.941	1060.941
1.0	1057.854	1060.941	1060.941	1060.941	1060.941
1.5	1056.825	1059.912	1059.912	1059.912	1059.912
2.0	1055.796	1059.912	1059.912	1059.912	1058.883
2.5	1055.796	1058.883	1059.912	1059.912	1058.883
3.0	1054.767	1057.854	1058.883	1058.883	1058.883
3.5	1054.767	1057.854	1057.854	1057.854	1057.854
4.0	1053.738	1056.825	1056.825	1056.825	1057.854
4.5	1052.709	1055.796	1055.796	1056.825	1055.796
5.0	1051.680	1053.738	1054.767	1055.796	1055.796
5.5	1049.622	1052.709	1053.738	1054.767	1053.738
6.0	1047.564	1051.680	1052.709	1053.738	1052.709
6.5	1046.535	1049.622	1050.651	1051.680	1052.709
7.0	1045.506	1048.593	1049.622	1050.651	1050.651
7.5	1043.448	1045.506	1047.564	1048.593	1049.622
8.0	1041.390	1044.477	1046.535	1047.564	1047.564
8.5	1039.331	1042.419	1044.477	1045.506	1046.535
9.0	1037.273	1040.361	1042.419	1044.477	1044.477
9.5	1035.215	1039.331	1040.361	1042.419	1042.419
10.0	1033.157	1037.273	1038.302	1040.361	1040.361
10.5	1031.099	1034.186	1036.244	1038.302	1038.302
11.0	1028.732	1032.128	1034.186	1036.244	1037.273
11.5	1026.571	1030.070	1032.128	1034.186	1035.215
12.0	1024.102	1027.909	1029.041	1032.128	1033.157
12.5	1022.044	1025.131	1026.674	1030.070	1031.099
13.0	1019.780	1022.558	1024.616	1027.189	1028.321
13.5	1016.795	1019.162	1022.044	1024.719	1025.542
14.0	1013.605	1016.693	1018.956	1021.735	1022.867
14.5	1010.210	1014.120	1016.178	1018.854	1019.780
15.0	1007.637	1010.930	1013.091	1015.664	1016.693
15.5	1005.270	1007.431	1010.107	1012.679	1013.914
16.0	1001.874	1004.138	1007.020	1009.283	1010.415
16.5	998.787	1001.051	1003.932	1005.785	1007.328
17.0	994.671	998.376	1000.228	1002.286	1003.521
17.5	991.275	994.980	996.935	998.376	999.508
18.0	988.085	991.069	993.128	994.671	995.700
18.5	984.072	987.365	989.629	990.349	991.378
19.0	980.573	983.763	985.718	986.439	987.468
19.5	976.560	979.956	981.705	982.220	983.969
20.0	973.267	976.354	977.898	977.692	979.647
20.5	969.254	972.238	973.884	973.473	975.428
21.0	965.343	968.019	969.665	969.254	971.003
21.5	961.227	963.697	965.446	965.138	966.475
22.0	956.597	959.787	960.816	960.507	962.050
22.5	952.275	955.568	956.185	955.876	957.729
23.0	948.056	951.246	951.657	951.348	953.407
23.5	944.042	946.409	947.335	946.409	949.085
24.0	939.617	942.293	942.190	941.881	944.557
24.5	934.884	937.971	937.456	937.456	939.926
25.0	930.356	934.061	932.414	932.826	935.398
25.5	925.108	929.327	927.783	927.578	930.459
26.0	920.992	924.388	923.050	923.050	925.828
26.5	916.361	919.551	918.008	918.213	920.271

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CANDELA TABULATION - (Cont.)

27.0	912.142	915.229	913.171	913.068	915.847
27.5	906.894	910.393	907.717	908.129	911.422
28.0	902.469	905.659	902.778	902.984	906.791
28.5	897.427	900.925	897.735	897.735	901.852
29.0	892.487	895.780	892.693	892.899	896.603
29.5	887.239	890.532	887.239	887.651	891.252
30.0	882.300	885.799	881.888	882.609	885.799
30.5	876.743	880.756	876.640	877.155	881.168
31.0	871.804	875.714	870.980	871.495	875.302
31.5	866.658	869.951	865.629	866.144	869.437
32.0	861.822	864.394	860.073	860.381	863.983
32.5	856.162	858.941	854.310	854.516	858.941
33.0	850.502	853.178	848.239	849.165	852.663
33.5	844.637	847.621	842.476	842.888	847.107
34.0	839.183	841.344	836.302	836.919	841.447
34.5	833.317	834.861	830.230	830.951	834.861
35.0	827.349	828.790	823.644	824.571	828.687
35.5	821.586	822.821	816.853	817.676	822.410
36.0	815.001	816.235	810.267	810.987	815.824
36.5	808.106	809.547	803.475	804.298	809.547
37.0	801.932	802.755	796.684	797.404	802.343
37.5	795.243	795.346	789.789	790.406	795.449
38.0	788.245	788.451	782.792	783.512	788.554
38.5	781.351	781.454	775.485	776.411	780.939
39.0	773.839	774.148	768.282	769.414	773.942
39.5	767.253	766.533	761.079	762.211	766.018
40.0	760.461	759.329	753.773	754.905	759.124
40.5	752.538	752.023	746.466	747.701	752.229
41.0	745.437	745.026	739.160	740.292	745.026
41.5	737.925	737.720	731.854	732.883	738.234
42.0	730.619	730.002	724.342	725.886	730.516
42.5	724.033	722.593	716.830	718.682	723.416
43.0	716.624	715.184	709.730	711.273	716.315
43.5	709.833	708.289	702.423	703.967	709.421
44.0	703.452	700.880	695.220	696.764	702.732
44.5	696.558	693.162	688.120	689.560	695.117
45.0	689.560	686.267	681.019	682.563	687.914
45.5	682.769	678.755	673.919	675.051	681.019
46.0	675.977	671.758	666.510	668.259	673.919
46.5	668.568	664.658	658.895	660.644	666.613
47.0	661.159	657.454	652.309	653.544	659.101
47.5	653.956	649.942	644.591	646.444	651.795
48.0	647.164	642.636	638.314	640.475	645.517
48.5	641.093	637.903	633.272	635.021	639.240
49.0	635.124	631.317	625.554	627.612	633.066
49.5	627.921	623.702	618.042	619.894	626.069
50.0	620.203	615.881	610.427	612.382	618.454
50.5	612.588	608.266	602.606	604.665	610.324
51.0	604.562	600.651	594.786	596.844	602.504
51.5	596.844	592.831	586.862	589.023	594.889
52.0	588.817	584.907	578.836	581.099	587.480
52.5	581.305	576.778	571.015	573.176	579.659
53.0	573.793	568.545	563.194	565.458	571.426
53.5	565.870	560.622	555.168	557.432	563.606
54.0	558.049	552.595	547.141	549.611	555.888
54.5	549.817	544.466	539.012	541.481	548.170

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CANDELA TABULATION - (Cont.)

55.0	542.099	536.130	530.882	533.352	540.144
55.5	534.278	528.001	522.753	525.120	531.706
56.0	526.354	519.666	514.726	517.093	523.782
56.5	518.637	511.433	506.185	508.861	515.550
57.0	510.404	503.201	497.953	500.320	507.214
57.5	501.966	494.969	489.721	492.087	499.188
58.0	493.528	486.428	481.591	483.855	490.544
58.5	485.296	477.990	473.256	475.623	481.900
59.0	476.858	469.860	464.921	467.390	472.741
59.5	468.522	461.628	456.380	459.055	464.406
60.0	460.084	453.395	448.044	450.823	455.659
60.5	451.543	445.163	439.812	442.385	446.913
61.0	443.311	436.622	431.374	433.741	438.063
61.5	434.667	428.287	423.039	424.994	429.419
62.0	426.023	420.055	414.601	416.247	420.775
62.5	417.276	411.719	406.265	407.500	412.131
63.0	408.529	403.075	397.621	398.753	403.487
63.5	400.297	394.431	389.286	390.007	394.740
64.0	391.962	385.685	380.745	381.260	385.993
64.5	383.524	377.041	371.998	372.410	377.349
65.0	374.983	368.294	363.354	363.560	368.603
65.5	366.339	359.547	354.813	354.505	359.753
66.0	357.798	350.800	346.272	345.552	351.006
66.5	349.257	341.950	337.525	336.702	342.156
67.0	340.510	333.203	328.573	327.852	333.203
67.5	331.969	324.560	319.723	318.900	324.251
68.0	323.119	315.916	310.770	309.741	315.298
68.5	314.475	306.963	301.921	300.892	306.346
69.0	306.037	298.113	292.968	291.939	297.187
69.5	297.393	289.572	284.015	283.089	288.234
70.0	288.543	280.825	275.063	274.342	279.488
70.5	279.693	272.284	266.213	265.493	270.535
71.0	270.741	263.640	257.363	256.643	261.582
71.5	261.788	255.099	248.513	247.896	252.424
72.0	253.247	246.558	239.869	239.149	243.574
72.5	244.294	237.914	230.917	230.505	234.827
73.0	235.342	229.476	222.273	221.655	226.183
73.5	226.801	220.935	213.629	213.011	217.436
74.0	218.157	212.394	205.088	204.573	208.484
74.5	209.719	203.956	196.444	196.135	199.840
75.0	201.178	195.518	188.006	187.594	191.093
75.5	192.739	187.183	179.568	179.053	182.655
76.0	184.404	178.847	171.130	170.512	173.702
76.5	176.172	170.409	162.794	161.868	164.852
77.0	167.939	162.074	154.562	153.121	155.797
77.5	159.604	153.739	146.330	144.477	146.638
78.0	151.578	145.609	138.097	135.833	137.686
78.5	143.243	137.274	129.968	127.189	128.219
79.0	135.113	128.939	121.838	118.443	118.340
79.5	126.778	120.912	113.812	109.490	107.638
80.0	118.751	112.886	105.888	100.023	98.171
80.5	110.622	104.859	97.862	90.556	91.482
81.0	102.595	97.039	90.041	83.044	85.410
81.5	94.466	89.321	82.117	76.972	79.339
82.0	86.439	81.706	74.400	71.107	73.371
82.5	78.619	74.194	66.579	65.344	67.505

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CANDELA TABULATION - (Cont.)

83.0	70.695	66.785	59.376	59.581	61.742
83.5	62.874	59.479	53.304	53.922	55.980
84.0	55.157	52.378	47.748	48.365	50.114
84.5	47.748	45.587	42.294	42.911	44.557
85.0	40.647	39.206	36.943	37.457	39.001
85.5	34.370	33.341	31.694	32.106	33.547
86.0	28.710	27.990	26.652	26.961	28.093
86.5	23.668	23.051	21.713	21.816	22.639
87.0	19.243	18.317	17.082	16.876	17.391
87.5	15.230	14.098	12.554	11.937	12.040
88.0	11.731	10.290	8.541	6.997	6.277
88.5	8.541	7.203	5.248	3.396	2.573
89.0	5.557	4.631	2.778	1.852	1.646
89.5	3.087	2.676	1.441	1.132	1.132
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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PHOTOMETRIC FILENAME : APC-24-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-24-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-24-L30-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	385.83	N.A.	13.10
0-30	815.91	N.A.	27.70
0-40	1331.96	N.A.	45.10
0-60	2339.14	N.A.	79.30
0-80	2904.16	N.A.	98.40
0-90	2950.83	N.A.	100.00
10-90	2850.7	N.A.	96.60
20-40	946.13	N.A.	32.10
20-50	1475.07	N.A.	50.00
40-70	1369.62	N.A.	46.40
60-80	565.02	N.A.	19.10
70-80	202.58	N.A.	6.90
80-90	46.67	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	2950.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.13
10-20	285.70
20-30	430.08
30-40	516.05
40-50	528.94
50-60	478.24
60-70	362.44
70-80	202.58
80-90	46.67
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-L30-840-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	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-L30-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

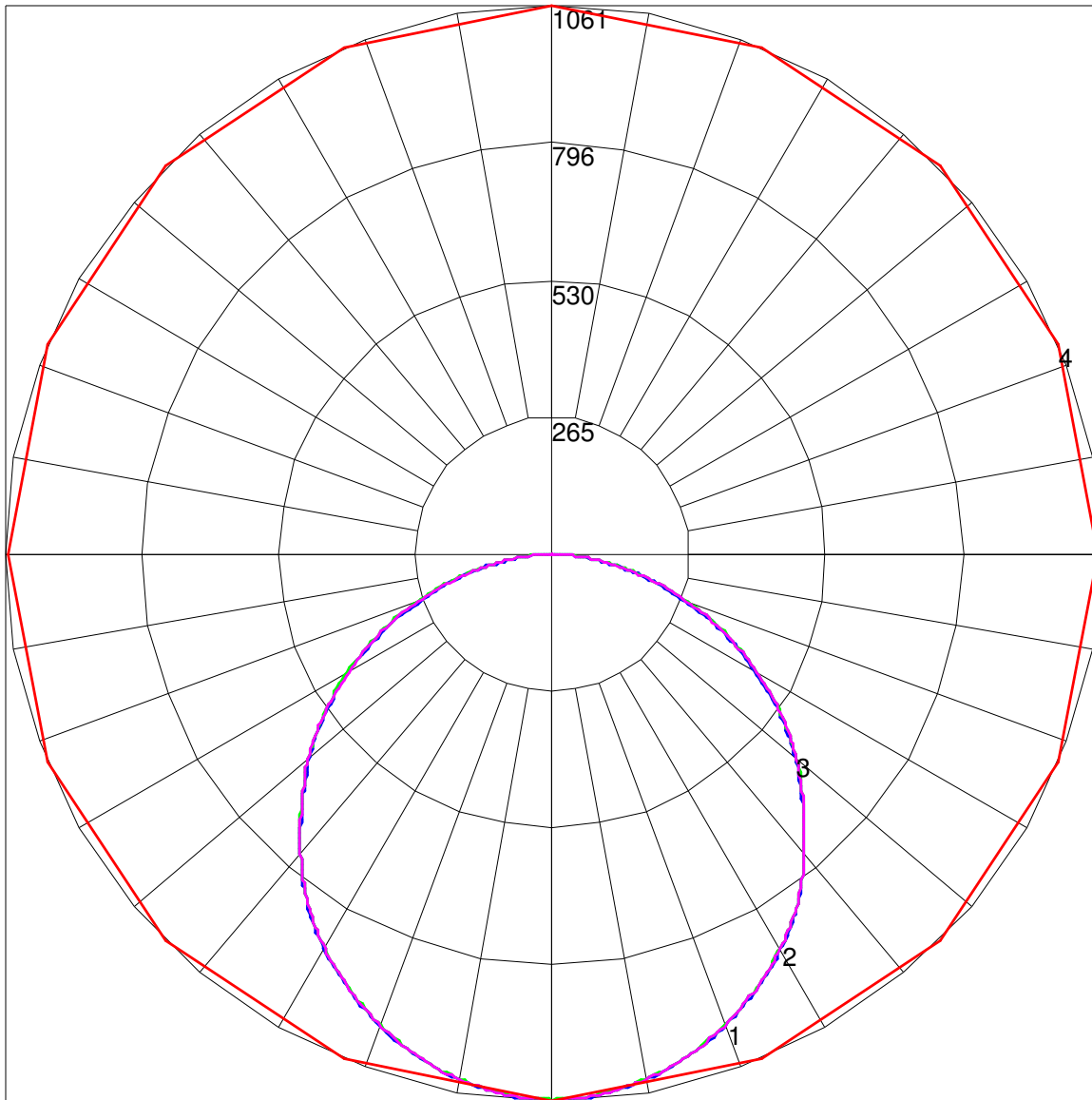
Reflectances

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	13.4	15.1	13.8	15.4	15.7	13.4	15.0	13.8	15.3	15.7
	3H	15.3	16.8	15.7	17.1	17.4	15.2	16.7	15.6	17.0	17.4
	4H	16.0	17.4	16.4	17.7	18.1	15.8	17.2	16.2	17.6	17.9
	6H	16.4	17.7	16.9	18.1	18.5	16.2	17.5	16.6	17.9	18.3
	8H	16.6	17.8	17.0	18.2	18.6	16.3	17.6	16.8	18.0	18.4
	12H	16.7	17.8	17.1	18.2	18.6	16.4	17.6	16.8	18.0	18.4
4H	2H	14.1	15.4	14.5	15.8	16.2	14.0	15.4	14.4	15.8	16.1
	3H	16.1	17.3	16.5	17.7	18.1	16.0	17.2	16.4	17.6	18.0
	4H	16.9	18.0	17.3	18.4	18.8	16.8	17.8	17.2	18.2	18.7
	6H	17.5	18.4	18.0	18.9	19.3	17.3	18.2	17.7	18.7	19.1
	8H	17.7	18.6	18.1	19.0	19.5	17.4	18.3	17.9	18.7	19.2
	12H	17.8	18.6	18.3	19.1	19.5	17.5	18.3	18.0	18.8	19.2
8H	4H	17.2	18.0	17.6	18.5	19.0	17.1	17.9	17.5	18.4	18.8
	6H	17.9	18.6	18.4	19.1	19.6	17.7	18.4	18.2	18.9	19.4
	8H	18.1	18.8	18.7	19.3	19.8	17.9	18.5	18.4	19.0	19.5
	12H	18.3	18.9	18.8	19.4	19.9	18.0	18.6	18.5	19.1	19.6
12H	4H	17.2	18.0	17.7	18.5	18.9	17.1	17.9	17.6	18.3	18.8
	6H	17.9	18.6	18.5	19.1	19.6	17.7	18.4	18.3	18.8	19.4
	8H	18.2	18.8	18.7	19.3	19.8	18.0	18.5	18.5	19.0	19.6

Maximum UGR = 19.9

POLAR GRAPH



Maximum Candela = 1060.941 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.)