



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-22-L50-835-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-L50-835-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	4709
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	45.7
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	4979	4918	4968
55	4826	4726	4809
65	4531	4390	4454
75	3969	3709	3770
85	2381	2164	2285

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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	1691.355	1691.355	1691.355	1691.355	1691.355
0.5	1688.071	1691.355	1692.997	1692.997	1692.997
1.0	1688.071	1692.997	1692.997	1692.997	1692.997
1.5	1686.428	1691.355	1691.355	1691.355	1691.355
2.0	1684.786	1691.355	1691.355	1691.355	1689.713
2.5	1684.786	1689.713	1691.355	1691.355	1689.713
3.0	1683.144	1688.071	1689.713	1689.713	1689.713
3.5	1683.144	1688.071	1688.071	1688.071	1688.071
4.0	1681.502	1686.428	1686.428	1686.428	1688.071
4.5	1679.860	1684.786	1684.786	1686.428	1684.786
5.0	1678.218	1681.502	1683.144	1684.786	1684.786
5.5	1674.934	1679.860	1681.502	1683.144	1681.502
6.0	1671.650	1678.218	1679.860	1681.502	1679.860
6.5	1670.008	1674.934	1676.576	1678.218	1679.860
7.0	1668.365	1673.292	1674.934	1676.576	1676.576
7.5	1665.081	1668.365	1671.650	1673.292	1674.934
8.0	1661.797	1666.723	1670.008	1671.650	1671.650
8.5	1658.513	1663.439	1666.723	1668.365	1670.008
9.0	1655.229	1660.155	1663.439	1666.723	1666.723
9.5	1651.945	1658.513	1660.155	1663.439	1663.439
10.0	1648.660	1655.229	1656.871	1660.155	1660.155
10.5	1645.376	1650.302	1653.587	1656.871	1656.871
11.0	1641.599	1647.018	1650.302	1653.587	1655.229
11.5	1638.151	1643.734	1647.018	1650.302	1651.945
12.0	1634.210	1640.286	1642.092	1647.018	1648.660
12.5	1630.926	1635.852	1638.315	1643.734	1645.376
13.0	1627.313	1631.747	1635.031	1639.136	1640.943
13.5	1622.551	1626.328	1630.926	1635.195	1636.509
14.0	1617.461	1622.387	1625.999	1630.433	1632.239
14.5	1612.042	1618.282	1621.566	1625.835	1627.313
15.0	1607.936	1613.191	1616.640	1620.745	1622.387
15.5	1604.160	1607.608	1611.877	1615.983	1617.953
16.0	1598.741	1602.353	1606.951	1610.564	1612.370
16.5	1593.814	1597.427	1602.025	1604.981	1607.444
17.0	1587.246	1593.158	1596.113	1599.398	1601.368
17.5	1581.827	1587.739	1590.859	1593.158	1594.964
18.0	1576.737	1581.499	1584.783	1587.246	1588.888
18.5	1570.333	1575.587	1579.200	1580.349	1581.991
19.0	1564.749	1569.840	1572.960	1574.109	1575.751
19.5	1558.345	1563.764	1566.556	1567.377	1570.168
20.0	1553.091	1558.017	1560.480	1560.152	1563.272
20.5	1546.686	1551.449	1554.076	1553.419	1556.539
21.0	1540.446	1544.716	1547.343	1546.686	1549.478
21.5	1533.878	1537.819	1540.611	1540.118	1542.253
22.0	1526.489	1531.579	1533.221	1532.729	1535.192
22.5	1519.592	1524.847	1525.832	1525.339	1528.295
23.0	1512.859	1517.950	1518.607	1518.114	1521.398
23.5	1506.455	1510.232	1511.710	1510.232	1514.501
24.0	1499.394	1503.664	1503.499	1503.007	1507.276
24.5	1491.841	1496.767	1495.946	1495.946	1499.887
25.0	1484.615	1490.527	1487.900	1488.556	1492.662
25.5	1476.241	1482.973	1480.510	1480.182	1484.780
26.0	1469.672	1475.091	1472.957	1472.957	1477.390
26.5	1462.283	1467.373	1464.910	1465.239	1468.523

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**CANDELA TABULATION - (Cont.)**

27.0	1455.550	1460.477	1457.192	1457.028	1461.462
27.5	1447.176	1452.759	1448.489	1449.146	1454.401
28.0	1440.115	1445.205	1440.607	1440.936	1447.011
28.5	1432.068	1437.652	1432.561	1432.561	1439.129
29.0	1424.186	1429.441	1424.515	1424.843	1430.755
29.5	1415.812	1421.066	1415.812	1416.469	1422.216
30.0	1407.930	1413.513	1407.273	1408.422	1413.513
30.5	1399.062	1405.467	1398.898	1399.719	1406.123
31.0	1391.180	1397.420	1389.867	1390.688	1396.763
31.5	1382.970	1388.225	1381.328	1382.149	1387.404
32.0	1375.252	1379.357	1372.460	1372.953	1378.700
32.5	1366.221	1370.654	1363.265	1363.593	1370.654
33.0	1357.189	1361.458	1353.576	1355.054	1360.637
33.5	1347.829	1352.591	1344.381	1345.038	1351.770
34.0	1339.126	1342.574	1334.528	1335.513	1342.739
34.5	1329.766	1332.229	1324.840	1325.989	1332.229
35.0	1320.242	1322.541	1314.330	1315.808	1322.377
35.5	1311.046	1313.017	1303.493	1304.806	1312.360
36.0	1300.537	1302.507	1292.983	1294.133	1301.851
36.5	1289.535	1291.834	1282.145	1283.459	1291.834
37.0	1279.682	1280.996	1271.308	1272.457	1280.339
37.5	1269.009	1269.173	1260.306	1261.291	1269.337
38.0	1257.842	1258.171	1249.139	1250.289	1258.335
38.5	1246.840	1247.005	1237.481	1238.958	1246.184
39.0	1234.853	1235.346	1225.986	1227.792	1235.017
39.5	1224.344	1223.194	1214.491	1216.298	1222.373
40.0	1213.506	1211.700	1202.832	1204.639	1211.371
40.5	1200.862	1200.041	1191.174	1193.144	1200.369
41.0	1189.531	1188.875	1179.515	1181.321	1188.875
41.5	1177.544	1177.216	1167.856	1169.498	1178.037
42.0	1165.885	1164.900	1155.869	1158.332	1165.721
42.5	1155.376	1153.077	1143.881	1146.837	1154.391
43.0	1143.553	1141.254	1132.551	1135.014	1143.060
43.5	1132.715	1130.252	1120.892	1123.355	1132.058
44.0	1122.534	1118.429	1109.397	1111.860	1121.385
44.5	1111.532	1106.113	1098.067	1100.366	1109.233
45.0	1100.366	1095.111	1086.736	1089.200	1097.738
45.5	1089.528	1083.124	1075.406	1077.212	1086.736
46.0	1078.690	1071.958	1063.583	1066.375	1075.406
46.5	1066.867	1060.627	1051.432	1054.223	1063.747
47.0	1055.044	1049.133	1040.922	1042.893	1051.760
47.5	1043.549	1037.145	1028.606	1031.562	1040.101
48.0	1032.712	1025.486	1018.590	1022.038	1030.084
48.5	1023.023	1017.933	1010.543	1013.335	1020.068
49.0	1013.499	1007.423	998.228	1001.512	1010.215
49.5	1002.005	995.272	986.240	989.196	999.049
50.0	989.689	982.792	974.089	977.209	986.897
50.5	977.537	970.641	961.609	964.893	973.925
51.0	964.729	958.489	949.129	952.413	961.445
51.5	952.413	946.009	936.485	939.933	949.293
52.0	939.605	933.365	923.677	927.289	937.470
52.5	927.618	920.393	911.197	914.645	924.990
53.0	915.630	907.256	898.717	902.330	911.854
53.5	902.986	894.612	885.909	889.521	899.374
54.0	890.506	881.803	873.100	877.041	887.058
54.5	877.370	868.831	860.128	864.069	874.742

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**CANDELA TABULATION - (Cont.)**

55.0	865.054	855.530	847.155	851.096	861.934
55.5	852.574	842.557	834.183	837.960	848.469
56.0	839.930	829.256	821.374	825.151	835.825
56.5	827.614	816.120	807.745	812.014	822.688
57.0	814.478	802.983	794.608	798.385	809.387
57.5	801.012	789.846	781.472	785.248	796.579
58.0	787.547	776.217	768.499	772.112	782.785
58.5	774.411	762.752	755.198	758.975	768.992
59.0	760.945	749.779	741.897	745.838	754.377
59.5	747.644	736.642	728.268	732.537	741.076
60.0	734.179	723.506	714.967	719.401	727.118
60.5	720.550	710.369	701.830	705.935	713.161
61.0	707.413	696.740	688.365	692.142	699.039
61.5	693.620	683.439	675.064	678.184	685.245
62.0	679.826	670.302	661.599	664.226	671.451
62.5	665.868	657.001	648.298	650.268	657.658
63.0	651.911	643.207	634.504	636.311	643.864
63.5	638.774	629.414	621.203	622.353	629.906
64.0	625.473	615.456	607.574	608.395	615.949
64.5	612.008	601.663	593.616	594.273	602.155
65.0	598.378	587.705	579.823	580.151	588.197
65.5	584.585	573.747	566.193	565.701	574.075
66.0	570.955	559.789	552.564	551.414	560.118
66.5	557.326	545.667	538.606	537.292	545.996
67.0	543.368	531.709	524.320	523.171	531.709
67.5	529.739	517.916	510.198	508.884	517.423
68.0	515.617	504.122	495.912	494.270	503.137
68.5	501.823	489.836	481.790	480.148	488.851
69.0	488.358	475.714	467.504	465.861	474.236
69.5	474.565	462.085	453.217	451.740	459.950
70.0	460.443	448.127	438.931	437.782	445.992
70.5	446.321	434.498	424.809	423.660	431.706
71.0	432.034	420.704	410.687	409.538	417.420
71.5	417.748	407.075	396.565	395.580	402.805
72.0	404.119	393.445	382.772	381.622	388.683
72.5	389.833	379.652	368.485	367.829	374.725
73.0	375.546	366.187	354.692	353.707	360.932
73.5	361.917	352.557	340.898	339.913	346.974
74.0	348.124	338.928	327.269	326.448	332.688
74.5	334.658	325.463	313.475	312.983	318.894
75.0	321.029	311.997	300.010	299.353	304.936
75.5	307.564	298.697	286.545	285.724	291.471
76.0	294.263	285.396	273.080	272.095	277.185
76.5	281.126	271.930	259.779	258.301	263.063
77.0	267.989	258.629	246.642	244.343	248.613
77.5	254.688	245.329	233.505	230.550	233.998
78.0	241.880	232.356	220.369	216.756	219.712
78.5	228.579	219.055	207.396	202.963	204.605
79.0	215.607	205.754	194.424	189.005	188.841
79.5	202.306	192.946	181.615	174.719	171.763
80.0	189.497	180.137	168.971	159.611	156.656
80.5	176.525	167.329	156.163	144.504	145.982
81.0	163.717	154.849	143.683	132.517	136.294
81.5	150.744	142.534	131.039	122.828	126.605
82.0	137.936	130.382	118.723	113.469	117.081
82.5	125.456	118.395	106.243	104.273	107.721

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

83.0	112.812	106.572	94.749	95.077	98.526
83.5	100.332	94.913	85.060	86.046	89.330
84.0	88.016	83.582	76.193	77.178	79.970
84.5	76.193	72.745	67.490	68.475	71.103
85.0	64.863	62.564	58.951	59.772	62.235
85.5	54.846	53.204	50.576	51.233	53.532
86.0	45.814	44.665	42.530	43.023	44.829
86.5	37.768	36.783	34.648	34.812	36.126
87.0	30.707	29.229	27.259	26.930	27.751
87.5	24.303	22.497	20.034	19.048	19.212
88.0	18.720	16.421	13.629	11.166	10.017
88.5	13.629	11.495	8.375	5.419	4.105
89.0	8.867	7.389	4.434	2.956	2.627
89.5	4.926	4.269	2.299	1.806	1.806
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-22-L50-835-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-22-L50-835-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-L50-835-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	615.69	N.A.	13.10
0-30	1301.99	N.A.	27.70
0-40	2125.47	N.A.	45.10
0-60	3732.68	N.A.	79.30
0-80	4634.31	N.A.	98.40
0-90	4708.78	N.A.	100.00
10-90	4549.00	N.A.	96.60
20-40	1509.78	N.A.	32.10
20-50	2353.84	N.A.	50.00
40-70	2185.57	N.A.	46.40
60-80	901.63	N.A.	19.10
70-80	323.27	N.A.	6.90
80-90	74.47	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	4708.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	159.78
10-20	455.91
20-30	686.30
30-40	823.49
40-50	844.05
50-60	763.16
60-70	578.36
70-80	323.27
80-90	74.47
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-L50-835-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-22-L50-835-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

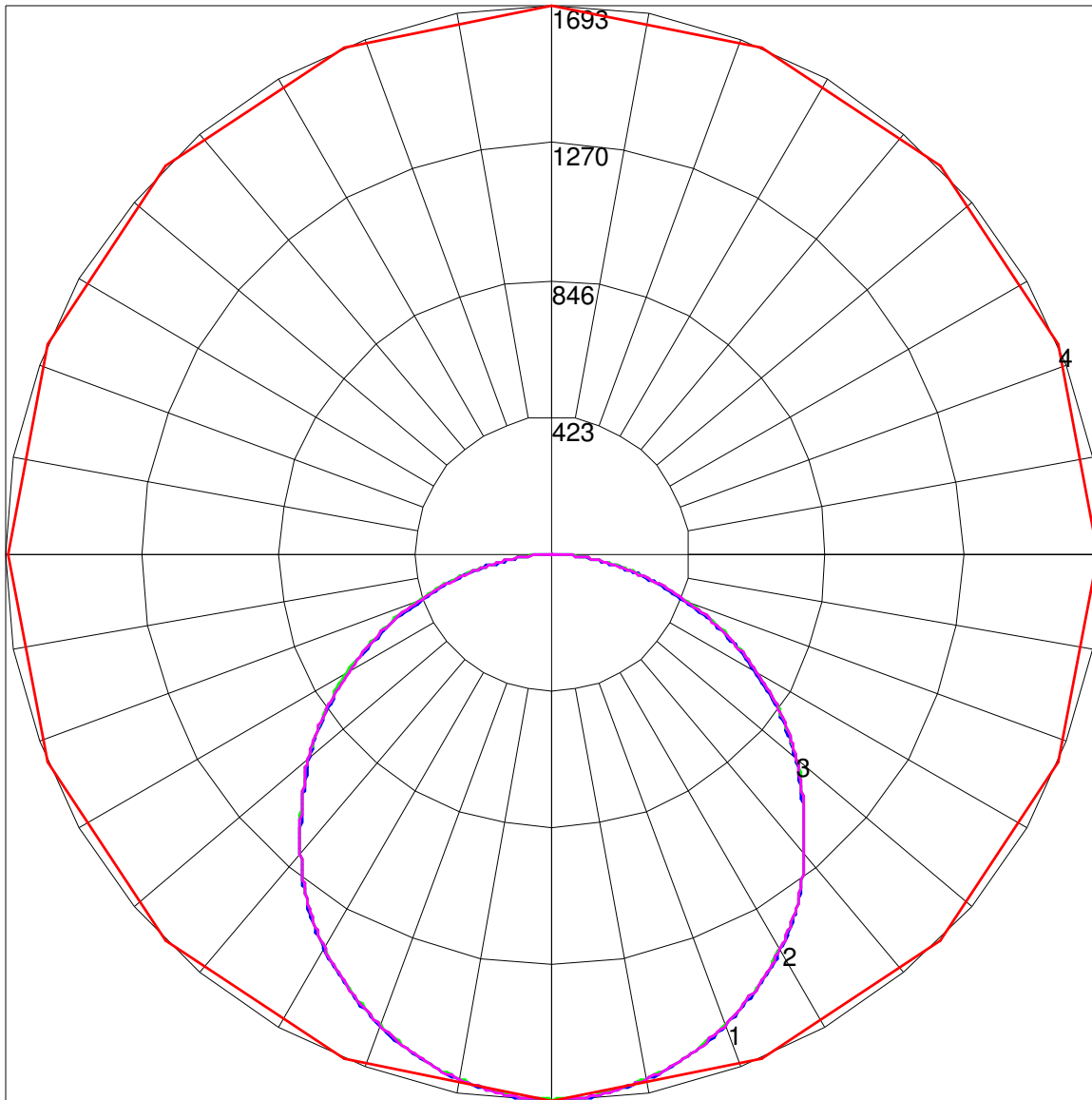
Reflectances

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	17.6	19.3	18.0	19.6	19.9	17.6	19.2	18.0	19.5	19.9
	3H	19.5	21.0	19.9	21.3	21.6	19.4	20.9	19.8	21.2	21.6
	4H	20.2	21.5	20.6	21.9	22.3	20.0	21.4	20.4	21.8	22.1
	6H	20.6	21.9	21.1	22.3	22.7	20.4	21.7	20.8	22.1	22.5
	8H	20.8	22.0	21.2	22.4	22.8	20.5	21.8	21.0	22.1	22.5
	12H	20.8	22.0	21.3	22.4	22.8	20.6	21.8	21.0	22.1	22.6
4H	2H	18.3	19.6	18.6	20.0	20.4	18.2	19.6	18.6	20.0	20.3
	3H	20.3	21.5	20.7	21.9	22.3	20.2	21.4	20.6	21.8	22.2
	4H	21.1	22.2	21.5	22.6	23.0	21.0	22.0	21.4	22.4	22.9
	6H	21.7	22.6	22.2	23.1	23.5	21.5	22.4	21.9	22.8	23.3
	8H	21.9	22.8	22.3	23.2	23.7	21.6	22.5	22.1	22.9	23.4
	12H	22.0	22.8	22.5	23.3	23.7	21.7	22.5	22.2	23.0	23.4
8H	4H	21.4	22.2	21.8	22.7	23.1	21.2	22.1	21.7	22.6	23.0
	6H	22.1	22.8	22.6	23.3	23.8	21.9	22.6	22.4	23.1	23.5
	8H	22.3	23.0	22.8	23.5	24.0	22.1	22.7	22.6	23.2	23.7
	12H	22.5	23.1	23.0	23.6	24.1	22.2	22.8	22.7	23.3	23.8
12H	4H	21.4	22.2	21.9	22.7	23.1	21.3	22.1	21.8	22.5	23.0
	6H	22.1	22.8	22.7	23.2	23.8	21.9	22.6	22.4	23.0	23.6
	8H	22.4	23.0	22.9	23.5	24.0	22.2	22.7	22.7	23.2	23.8

Maximum UGR = 24.1

POLAR GRAPH



Maximum Candela = 1692.997 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.)