



IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-22-L50-850-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 14972499.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 2023-10-24
 [TESTDATE] 9/20/2023
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] APC-22-L50-850-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	4991
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
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	5278	5213	5266
55	5115	5010	5097
65	4802	4654	4721
75	4207	3932	3996
85	2524	2294	2422

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-22-L50-850-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1792.837	1792.837	1792.837	1792.837	1792.837
0.5	1789.355	1792.837	1794.577	1794.577	1794.577
1.0	1789.355	1794.577	1794.577	1794.577	1794.577
1.5	1787.615	1792.837	1792.837	1792.837	1792.837
2.0	1785.874	1792.837	1792.837	1792.837	1791.096
2.5	1785.874	1791.096	1792.837	1792.837	1791.096
3.0	1784.133	1789.355	1791.096	1791.096	1791.096
3.5	1784.133	1789.355	1789.355	1789.355	1789.355
4.0	1782.393	1787.615	1787.615	1787.615	1789.355
4.5	1780.652	1785.874	1785.874	1787.615	1785.874
5.0	1778.912	1782.393	1784.133	1785.874	1785.874
5.5	1775.430	1780.652	1782.393	1784.133	1782.393
6.0	1771.949	1778.912	1780.652	1782.393	1780.652
6.5	1770.208	1775.430	1777.171	1778.912	1780.652
7.0	1768.468	1773.690	1775.430	1777.171	1777.171
7.5	1764.987	1768.468	1771.949	1773.690	1775.430
8.0	1761.505	1766.727	1770.208	1771.949	1771.949
8.5	1758.024	1763.246	1766.727	1768.468	1770.208
9.0	1754.543	1759.765	1763.246	1766.727	1766.727
9.5	1751.062	1758.024	1759.765	1763.246	1763.246
10.0	1747.580	1754.543	1756.284	1759.765	1759.765
10.5	1744.099	1749.321	1752.802	1756.284	1756.284
11.0	1740.096	1745.840	1749.321	1752.802	1754.543
11.5	1736.441	1742.359	1745.840	1749.321	1751.062
12.0	1732.263	1738.703	1740.618	1745.840	1747.580
12.5	1728.782	1734.004	1736.615	1742.359	1744.099
13.0	1724.952	1729.652	1733.133	1737.485	1739.400
13.5	1719.905	1723.908	1728.782	1733.307	1734.700
14.0	1714.509	1719.731	1723.560	1728.260	1730.174
14.5	1708.765	1715.379	1718.860	1723.386	1724.952
15.0	1704.413	1709.983	1713.638	1717.990	1719.731
15.5	1700.410	1704.065	1708.591	1712.942	1715.031
16.0	1694.666	1698.495	1703.369	1707.198	1709.113
16.5	1689.444	1693.273	1698.147	1701.280	1703.891
17.0	1682.481	1688.748	1691.881	1695.362	1697.451
17.5	1676.737	1683.004	1686.311	1688.748	1690.662
18.0	1671.341	1676.389	1679.870	1682.481	1684.222
18.5	1664.553	1670.123	1673.952	1675.171	1676.911
19.0	1658.635	1664.031	1667.338	1668.556	1670.297
19.5	1651.846	1657.591	1660.550	1661.420	1664.379
20.0	1646.276	1651.498	1654.109	1653.761	1657.068
20.5	1639.488	1644.536	1647.321	1646.625	1649.932
21.0	1632.874	1637.399	1640.184	1639.488	1642.447
21.5	1625.911	1630.089	1633.048	1632.526	1634.788
22.0	1618.078	1623.474	1625.215	1624.693	1627.304
22.5	1610.768	1616.338	1617.382	1616.860	1619.993
23.0	1603.631	1609.027	1609.724	1609.201	1612.683
23.5	1596.843	1600.846	1602.413	1600.846	1605.372
24.0	1589.358	1593.884	1593.710	1593.188	1597.713
24.5	1581.351	1586.573	1585.703	1585.703	1589.880
25.0	1573.693	1579.959	1577.174	1577.870	1582.222
25.5	1564.816	1571.952	1569.341	1568.993	1573.867
26.0	1557.853	1563.597	1561.334	1561.334	1566.034
26.5	1550.020	1555.416	1552.805	1553.153	1556.635

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-22-L50-850-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	1542.884	1548.106	1544.624	1544.450	1549.150
27.5	1534.007	1539.925	1535.399	1536.095	1541.665
28.0	1526.522	1531.918	1527.044	1527.392	1533.833
28.5	1517.993	1523.911	1518.515	1518.515	1525.478
29.0	1509.638	1515.208	1509.986	1510.334	1516.600
29.5	1500.761	1506.331	1500.761	1501.457	1507.549
30.0	1492.406	1498.324	1491.710	1492.928	1498.324
30.5	1483.007	1489.795	1482.832	1483.703	1490.491
31.0	1474.652	1481.266	1473.259	1474.129	1480.570
31.5	1465.948	1471.518	1464.208	1465.078	1470.648
32.0	1457.768	1462.119	1454.809	1455.331	1461.423
32.5	1448.194	1452.894	1445.061	1445.409	1452.894
33.0	1438.621	1443.146	1434.791	1436.358	1442.276
33.5	1428.699	1433.747	1425.044	1425.740	1432.877
34.0	1419.474	1423.129	1414.600	1415.645	1423.303
34.5	1409.552	1412.163	1404.331	1405.549	1412.163
35.0	1399.457	1401.894	1393.191	1394.757	1401.720
35.5	1389.709	1391.798	1381.703	1383.095	1391.102
36.0	1378.569	1380.658	1370.563	1371.781	1379.962
36.5	1366.907	1369.344	1359.075	1360.467	1369.344
37.0	1356.464	1357.856	1347.586	1348.805	1357.160
37.5	1345.150	1345.324	1335.924	1336.969	1345.498
38.0	1333.313	1333.662	1324.088	1325.307	1333.836
38.5	1321.651	1321.825	1311.730	1313.296	1320.955
39.0	1308.945	1309.467	1299.545	1301.460	1309.119
39.5	1297.805	1296.586	1287.361	1289.276	1295.716
40.0	1286.317	1284.402	1275.003	1276.917	1284.054
40.5	1272.914	1272.044	1262.644	1264.733	1272.392
41.0	1260.904	1260.207	1250.286	1252.201	1260.207
41.5	1248.197	1247.849	1237.928	1239.668	1248.719
42.0	1235.839	1234.794	1225.221	1227.832	1235.665
42.5	1224.699	1222.262	1212.514	1215.648	1223.654
43.0	1212.166	1209.730	1200.504	1203.115	1211.644
43.5	1200.678	1198.067	1188.146	1190.757	1199.982
44.0	1189.886	1185.535	1175.962	1178.572	1188.668
44.5	1178.224	1172.480	1163.951	1166.388	1175.787
45.0	1166.388	1160.818	1151.941	1154.552	1163.603
45.5	1154.900	1148.112	1139.931	1141.845	1151.941
46.0	1143.412	1136.275	1127.398	1130.357	1139.931
46.5	1130.880	1124.265	1114.518	1117.477	1127.572
47.0	1118.347	1112.081	1103.378	1105.466	1114.866
47.5	1106.163	1099.374	1090.323	1093.456	1102.507
48.0	1094.675	1087.016	1079.705	1083.361	1091.890
48.5	1084.405	1079.009	1071.176	1074.135	1081.272
49.0	1074.309	1067.869	1058.122	1061.603	1070.828
49.5	1062.125	1054.989	1045.415	1048.548	1058.992
50.0	1049.070	1041.760	1032.535	1035.842	1046.111
50.5	1036.190	1028.879	1019.306	1022.787	1032.361
51.0	1022.613	1015.999	1006.077	1009.558	1019.132
51.5	1009.558	1002.770	992.674	996.330	1006.251
52.0	995.982	989.367	979.098	982.927	993.719
52.5	983.275	975.616	965.869	969.524	980.490
53.0	970.569	961.691	952.640	956.470	966.565
53.5	957.166	948.289	939.063	942.893	953.336
54.0	943.937	934.712	925.487	929.664	940.282
54.5	930.012	920.961	911.736	915.913	927.227

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-22-L50-850-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	916.958	906.862	897.985	902.162	913.650
55.5	903.729	893.111	884.234	888.237	899.377
56.0	890.326	879.012	870.657	874.661	885.975
56.5	877.271	865.087	856.210	860.736	872.050
57.0	863.347	851.162	842.285	846.288	857.951
57.5	849.073	837.237	828.360	832.364	844.374
58.0	834.800	822.790	814.609	818.439	829.753
58.5	820.875	808.517	800.510	804.514	815.131
59.0	806.602	794.766	786.411	790.589	799.640
59.5	792.503	780.841	771.964	776.490	785.541
60.0	778.230	766.916	757.865	762.565	770.746
60.5	763.783	752.991	743.940	748.292	755.950
61.0	749.858	738.544	729.667	733.670	740.981
61.5	735.237	724.445	715.568	718.875	726.360
62.0	720.616	710.520	701.295	704.080	711.739
62.5	705.821	696.421	687.196	689.285	697.118
63.0	691.025	681.800	672.575	674.489	682.496
63.5	677.100	667.179	658.476	659.694	667.701
64.0	663.001	652.384	644.029	644.899	652.906
64.5	648.728	637.762	629.233	629.930	638.285
65.0	634.281	622.967	614.612	614.960	623.489
65.5	619.660	608.172	600.165	599.643	608.520
66.0	605.213	593.377	585.718	584.500	593.725
66.5	590.766	578.407	570.923	569.530	578.755
67.0	575.970	563.612	555.779	554.561	563.612
67.5	561.523	548.991	540.810	539.418	548.469
68.0	546.554	534.370	525.667	523.926	533.325
68.5	531.933	519.226	510.697	508.957	518.182
69.0	517.660	504.257	495.554	493.813	502.690
69.5	503.039	489.810	480.411	478.844	487.547
70.0	488.069	475.015	465.267	464.049	472.752
70.5	473.100	460.568	450.298	449.079	457.608
71.0	457.957	445.946	435.329	434.110	442.465
71.5	442.813	431.499	420.359	419.315	426.974
72.0	428.366	417.052	405.738	404.520	412.004
72.5	413.223	402.431	390.595	389.898	397.209
73.0	398.079	388.158	375.973	374.929	382.588
73.5	383.632	373.711	361.352	360.308	367.793
74.0	369.011	359.264	346.905	346.035	352.649
74.5	354.738	344.990	332.284	331.762	338.028
75.0	340.291	330.717	318.011	317.315	323.233
75.5	326.018	316.618	303.738	302.868	308.960
76.0	311.919	302.519	289.465	288.420	293.816
76.5	297.994	288.246	275.366	273.799	278.847
77.0	284.069	274.147	261.441	259.004	263.530
77.5	269.970	260.048	247.516	244.383	248.038
78.0	256.393	246.297	233.591	229.762	232.895
78.5	242.294	232.198	219.840	215.140	216.881
79.0	228.543	218.099	206.089	200.345	200.171
79.5	214.444	204.523	192.512	185.202	182.069
80.0	200.867	190.946	179.110	169.188	166.055
80.5	187.116	177.369	165.533	153.174	154.741
81.0	173.540	164.140	152.304	140.468	144.471
81.5	159.789	151.086	138.901	130.198	134.202
82.0	146.212	138.205	125.847	120.277	124.106
82.5	132.983	125.499	112.618	110.529	114.185

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-22-L50-850-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	119.580	112.966	100.434	100.782	104.437
83.5	106.352	100.608	90.164	91.208	94.690
84.0	93.297	88.597	80.765	81.809	84.768
84.5	80.765	77.109	71.539	72.584	75.369
85.0	68.754	66.318	62.488	63.358	65.969
85.5	58.137	56.396	53.611	54.307	56.744
86.0	48.563	47.345	45.082	45.604	47.519
86.5	40.034	38.990	36.727	36.901	38.294
87.0	32.550	30.983	28.894	28.546	29.416
87.5	25.761	23.846	21.236	20.191	20.365
88.0	19.843	17.406	14.447	11.836	10.618
88.5	14.447	12.184	8.877	5.744	4.352
89.0	9.399	7.833	4.700	3.133	2.785
89.5	5.222	4.526	2.437	1.915	1.915
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-22-L50-850-DIM-UNV_.IES

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-L50-850-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-L50-850-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-L50-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	652.63	N.A.	13.10
0-30	1380.11	N.A.	27.70
0-40	2253.00	N.A.	45.10
0-60	3956.65	N.A.	79.30
0-80	4912.37	N.A.	98.40
0-90	4991.31	N.A.	100.00
10-90	4821.94	N.A.	96.60
20-40	1600.37	N.A.	32.10
20-50	2495.07	N.A.	50.00
40-70	2316.7	N.A.	46.40
60-80	955.72	N.A.	19.10
70-80	342.66	N.A.	6.90
80-90	78.94	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	4991.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.37
10-20	483.26
20-30	727.47
30-40	872.90
40-50	894.70
50-60	808.95
60-70	613.06
70-80	342.66
80-90	78.94
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-L50-850-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-L50-850-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	17.8	19.5	18.2	19.8	20.1	UGR Viewed Endwise			
	3H	19.7	21.2	20.1	21.5	21.8	17.8	19.4	18.2	19.7
	4H	20.4	21.7	20.8	22.1	22.5	19.6	21.1	20.0	21.4
	6H	20.8	22.1	21.3	22.5	22.9	20.2	21.6	20.6	22.0
	8H	21.0	22.2	21.4	22.6	23.0	20.6	21.9	21.0	22.3
	12H	21.0	22.2	21.5	22.6	23.0	20.7	22.0	21.2	22.3

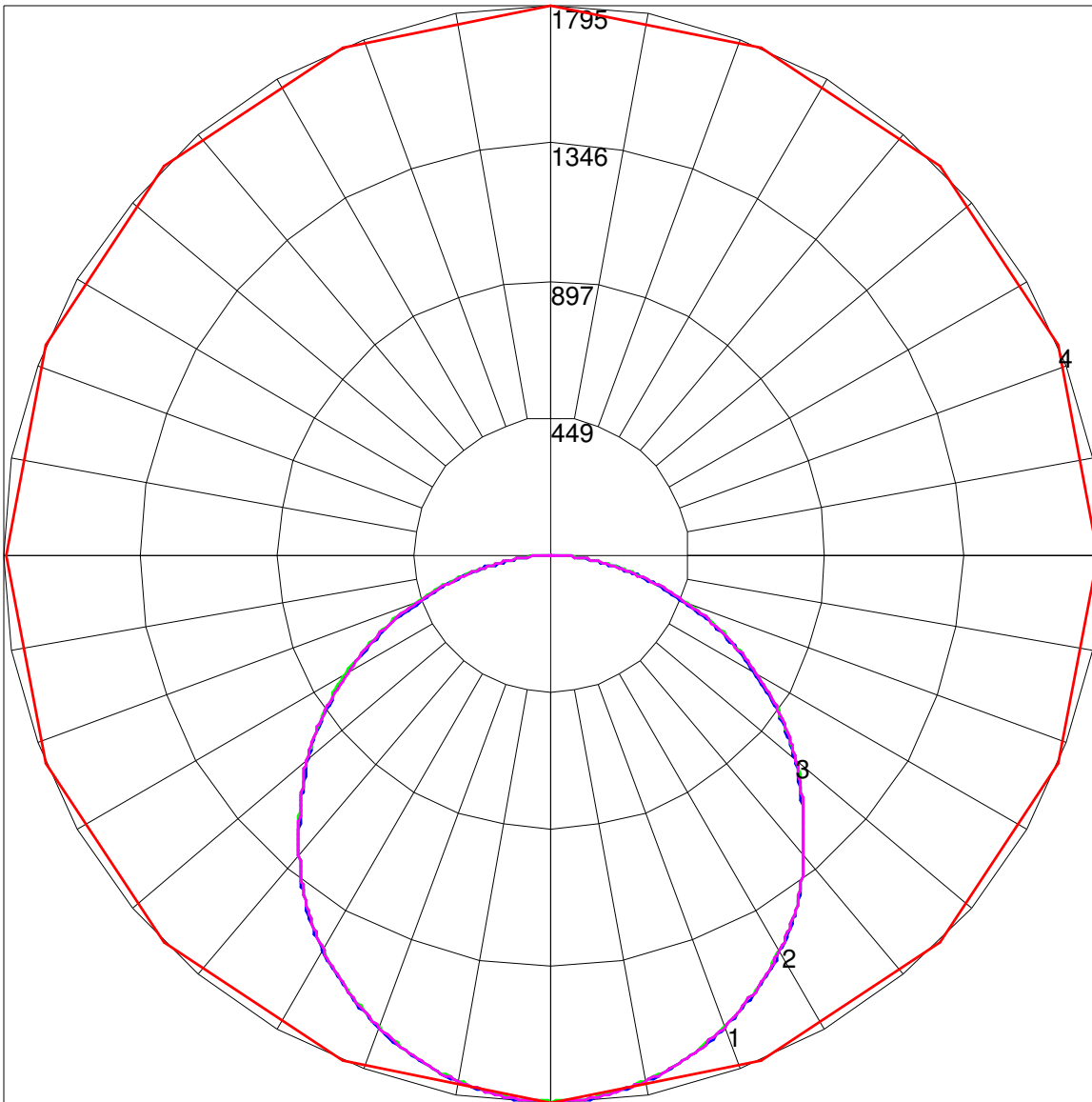
4H	2H	18.5	19.8	18.8	20.2	20.6	20.8	21.6	20.8	22.0
	3H	20.5	21.7	20.9	22.1	22.5	21.2	22.2	21.6	22.6
	4H	21.3	22.4	21.7	22.8	23.2	21.7	22.6	22.1	23.0
	6H	21.9	22.8	22.4	23.3	23.7	21.8	22.7	22.3	23.1
	8H	22.1	23.0	22.5	23.4	23.9	21.9	22.7	22.4	23.2
	12H	22.2	23.0	22.7	23.5	23.9				

8H	4H	21.6	22.4	22.0	22.9	23.3	21.4	22.3	21.9	22.8
	6H	22.3	23.0	22.8	23.5	24.0	22.1	22.8	22.6	23.3
	8H	22.5	23.2	23.0	23.7	24.2	22.3	22.9	22.8	23.4
	12H	22.7	23.3	23.2	23.8	24.3	22.4	23.0	22.9	23.5

12H	4H	21.6	22.4	22.1	22.9	23.3	21.5	22.3	22.0	22.7
	6H	22.3	23.0	22.9	23.4	24.0	22.1	22.8	22.6	23.2
	8H	22.6	23.2	23.1	23.7	24.2	22.4	22.9	22.9	23.4

Maximum UGR = 24.3

POLAR GRAPH



Maximum Candela = 1794.577 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.)