



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-24-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-24-L50-835-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	4705
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	45.3
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	2358	2329	2353
55	2286	2238	2277
65	2146	2079	2109
75	1880	1757	1785
85	1128	1025	1082

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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	1690.019	1690.019	1690.019	1690.019	1690.019
0.5	1686.737	1690.019	1691.660	1691.660	1691.660
1.0	1686.737	1691.660	1691.660	1691.660	1691.660
1.5	1685.096	1690.019	1690.019	1690.019	1690.019
2.0	1683.456	1690.019	1690.019	1690.019	1688.378
2.5	1683.456	1688.378	1690.019	1690.019	1688.378
3.0	1681.815	1686.737	1688.378	1688.378	1688.378
3.5	1681.815	1686.737	1686.737	1686.737	1686.737
4.0	1680.174	1685.096	1685.096	1685.096	1686.737
4.5	1678.533	1683.456	1683.456	1685.096	1683.456
5.0	1676.892	1680.174	1681.815	1683.456	1683.456
5.5	1673.611	1678.533	1680.174	1681.815	1680.174
6.0	1670.329	1676.892	1678.533	1680.174	1678.533
6.5	1668.689	1673.611	1675.252	1676.892	1678.533
7.0	1667.048	1671.970	1673.611	1675.252	1675.252
7.5	1663.766	1667.048	1670.329	1671.970	1673.611
8.0	1660.485	1665.407	1668.689	1670.329	1670.329
8.5	1657.203	1662.125	1665.407	1667.048	1668.689
9.0	1653.921	1658.844	1662.125	1665.407	1665.407
9.5	1650.640	1657.203	1658.844	1662.125	1662.125
10.0	1647.358	1653.921	1655.562	1658.844	1658.844
10.5	1644.077	1648.999	1652.281	1655.562	1655.562
11.0	1640.303	1645.717	1648.999	1652.281	1653.921
11.5	1636.857	1642.436	1645.717	1648.999	1650.640
12.0	1632.919	1638.990	1640.795	1645.717	1647.358
12.5	1629.638	1634.560	1637.021	1642.436	1644.077
13.0	1626.028	1630.458	1633.740	1637.842	1639.646
13.5	1621.270	1625.043	1629.638	1633.904	1635.216
14.0	1616.183	1621.105	1624.715	1629.145	1630.950
14.5	1610.768	1617.003	1620.285	1624.551	1626.028
15.0	1606.666	1611.917	1615.363	1619.465	1621.105
15.5	1602.893	1606.338	1610.604	1614.706	1616.675
16.0	1597.478	1601.088	1605.682	1609.292	1611.097
16.5	1592.556	1596.165	1600.760	1603.713	1606.174
17.0	1585.992	1591.899	1594.853	1598.134	1600.103
17.5	1580.578	1586.485	1589.602	1591.899	1593.704
18.0	1575.491	1580.250	1583.531	1585.992	1587.633
18.5	1569.092	1574.343	1577.953	1579.101	1580.742
19.0	1563.514	1568.600	1571.718	1572.866	1574.507
19.5	1557.114	1562.529	1565.318	1566.139	1568.928
20.0	1551.864	1556.786	1559.247	1558.919	1562.037
20.5	1545.465	1550.223	1552.848	1552.192	1555.310
21.0	1539.230	1543.496	1546.121	1545.465	1548.254
21.5	1532.667	1536.605	1539.394	1538.902	1541.035
22.0	1525.283	1530.369	1532.010	1531.518	1533.979
22.5	1518.392	1523.642	1524.627	1524.134	1527.088
23.0	1511.664	1516.751	1517.407	1516.915	1520.197
23.5	1505.265	1509.039	1510.516	1509.039	1513.305
24.0	1498.210	1502.476	1502.312	1501.820	1506.086
24.5	1490.662	1495.585	1494.764	1494.764	1498.702
25.0	1483.443	1489.350	1486.724	1487.381	1491.483
25.5	1475.075	1481.802	1479.341	1479.013	1483.607
26.0	1468.512	1473.926	1471.793	1471.793	1476.223
26.5	1461.128	1466.214	1463.753	1464.081	1467.363

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**CANDELA TABULATION - (Cont.)**

27.0	1454.401	1459.323	1456.041	1455.877	1460.308
27.5	1446.033	1451.611	1447.345	1448.002	1453.252
28.0	1438.977	1444.064	1439.469	1439.798	1445.869
28.5	1430.937	1436.516	1431.430	1431.430	1437.993
29.0	1423.061	1428.312	1423.390	1423.718	1429.625
29.5	1414.693	1419.944	1414.693	1415.350	1421.093
30.0	1406.818	1412.396	1406.161	1407.310	1412.396
30.5	1397.957	1404.356	1397.793	1398.614	1405.013
31.0	1390.082	1396.317	1388.769	1389.589	1395.660
31.5	1381.878	1387.128	1380.237	1381.057	1386.308
32.0	1374.166	1378.268	1371.376	1371.869	1377.611
32.5	1365.141	1369.572	1362.188	1362.516	1369.572
33.0	1356.117	1360.383	1352.507	1353.984	1359.563
33.5	1346.765	1351.523	1343.319	1343.975	1350.702
34.0	1338.068	1341.514	1333.474	1334.459	1341.678
34.5	1328.716	1331.177	1323.793	1324.942	1331.177
35.0	1319.199	1321.496	1313.292	1314.769	1321.332
35.5	1310.011	1311.980	1302.463	1303.776	1311.323
36.0	1299.510	1301.479	1291.962	1293.111	1300.822
36.5	1288.516	1290.813	1281.133	1282.445	1290.813
37.0	1278.672	1279.984	1270.303	1271.452	1279.328
37.5	1268.006	1268.170	1259.310	1260.295	1268.335
38.0	1256.849	1257.177	1248.153	1249.301	1257.341
38.5	1245.856	1246.020	1236.503	1237.980	1245.199
39.0	1233.878	1234.370	1225.018	1226.822	1234.042
39.5	1223.377	1222.228	1213.532	1215.337	1221.408
40.0	1212.547	1210.743	1201.882	1203.687	1210.414
40.5	1199.913	1199.093	1190.233	1192.202	1199.421
41.0	1188.592	1187.936	1178.583	1180.388	1187.936
41.5	1176.614	1176.286	1166.933	1168.574	1177.106
42.0	1164.964	1163.980	1154.956	1157.417	1164.800
42.5	1154.463	1152.166	1142.978	1145.931	1153.479
43.0	1142.650	1140.353	1131.656	1134.117	1142.157
43.5	1131.820	1129.359	1120.007	1122.468	1131.164
44.0	1121.647	1117.545	1108.521	1110.982	1120.499
44.5	1110.654	1105.240	1097.200	1099.497	1108.357
45.0	1099.497	1094.246	1085.878	1088.339	1096.871
45.5	1088.667	1082.268	1074.557	1076.362	1085.878
46.0	1077.838	1071.111	1062.743	1065.532	1074.557
46.5	1066.025	1059.789	1050.601	1053.390	1062.907
47.0	1054.211	1048.304	1040.100	1042.069	1050.929
47.5	1042.725	1036.326	1027.794	1030.747	1039.280
48.0	1031.896	1024.676	1017.785	1021.231	1029.271
48.5	1022.215	1017.129	1009.745	1012.535	1019.262
49.0	1012.699	1006.628	997.439	1000.721	1009.417
49.5	1001.213	994.486	985.461	988.415	998.260
50.0	988.907	982.016	973.320	976.437	986.118
50.5	976.765	969.874	960.850	964.131	973.156
51.0	963.967	957.732	948.380	951.661	960.685
51.5	951.661	945.262	935.745	939.191	948.544
52.0	938.863	932.628	922.947	926.557	936.730
52.5	926.885	919.666	910.477	913.923	924.260
53.0	914.907	906.539	898.007	901.617	911.133
53.5	902.273	893.905	885.209	888.819	898.663
54.0	889.803	881.107	872.411	876.349	886.357
54.5	876.677	868.145	859.448	863.386	874.051

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**CANDELA TABULATION - (Cont.)**

55.0	864.371	854.854	846.486	850.424	861.253
55.5	851.901	841.892	833.524	837.298	847.799
56.0	839.267	828.601	820.726	824.499	835.165
56.5	826.961	815.475	807.107	811.373	822.038
57.0	813.834	802.349	793.981	797.755	808.748
57.5	800.380	789.222	780.854	784.628	795.950
58.0	786.925	775.604	767.892	771.502	782.167
58.5	773.799	762.149	754.602	758.375	768.384
59.0	760.344	749.187	741.311	745.249	753.781
59.5	747.054	736.061	727.693	731.959	740.491
60.0	733.599	722.934	714.402	718.832	726.544
60.5	719.981	709.808	701.276	705.378	712.597
61.0	706.854	696.189	687.821	691.595	698.486
61.5	693.072	682.899	674.531	677.648	684.704
62.0	679.289	669.773	661.076	663.702	670.921
62.5	665.342	656.482	647.786	649.755	657.138
63.0	651.396	642.699	634.003	635.808	643.356
63.5	638.269	628.917	620.713	621.861	629.409
64.0	624.979	614.970	607.094	607.915	615.462
64.5	611.524	601.187	593.147	593.804	601.680
65.0	597.906	587.241	579.365	579.693	587.733
65.5	584.123	573.294	565.746	565.254	573.622
66.0	570.504	559.347	552.128	550.979	559.675
66.5	556.886	545.236	538.181	536.868	545.564
67.0	542.939	531.289	523.906	522.757	531.289
67.5	529.320	517.507	509.795	508.482	517.015
68.0	515.210	503.724	495.520	493.879	502.740
68.5	501.427	489.449	481.409	479.768	488.465
69.0	487.972	475.338	467.134	465.494	473.862
69.5	474.190	461.720	452.859	451.383	459.587
70.0	460.079	447.773	438.585	437.436	445.640
70.5	445.968	434.154	424.474	423.325	431.365
71.0	431.693	420.372	410.363	409.214	417.090
71.5	417.418	406.753	396.252	395.268	402.487
72.0	403.800	393.134	382.469	381.321	388.376
72.5	389.525	379.352	368.194	367.538	374.429
73.0	375.250	365.897	354.412	353.427	360.647
73.5	361.631	352.279	340.629	339.645	346.700
74.0	347.849	338.660	327.010	326.190	332.425
74.5	334.394	325.206	313.228	312.736	318.642
75.0	320.775	311.751	299.773	299.117	304.696
75.5	307.321	298.461	286.319	285.498	291.241
76.0	294.030	285.170	272.864	271.880	276.966
76.5	280.904	271.716	259.574	258.097	262.855
77.0	267.778	258.425	246.447	244.150	248.416
77.5	254.487	245.135	233.321	230.368	233.813
78.0	241.689	232.172	220.195	216.585	219.538
78.5	228.399	218.882	207.232	202.802	204.443
79.0	215.436	205.592	194.270	188.856	188.691
79.5	202.146	192.793	181.472	174.581	171.627
80.0	189.348	179.995	168.838	159.485	156.532
80.5	176.385	167.197	156.040	144.390	145.867
81.0	163.587	154.727	143.570	132.412	136.186
81.5	150.625	142.421	130.935	122.731	126.505
82.0	137.827	130.279	118.629	113.379	116.989
82.5	125.357	118.301	106.159	104.190	107.636

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

83.0	112.723	106.488	94.674	95.002	98.448
83.5	100.253	94.838	84.993	85.978	89.259
84.0	87.947	83.516	76.133	77.117	79.907
84.5	76.133	72.687	67.437	68.421	71.046
85.0	64.811	62.514	58.905	59.725	62.186
85.5	54.803	53.162	50.536	51.193	53.490
86.0	45.778	44.630	42.497	42.989	44.794
86.5	37.738	36.754	34.621	34.785	36.097
87.0	30.683	29.206	27.237	26.909	27.729
87.5	24.284	22.479	20.018	19.033	19.197
88.0	18.705	16.408	13.619	11.157	10.009
88.5	13.619	11.486	8.368	5.415	4.102
89.0	8.860	7.384	4.430	2.953	2.625
89.5	4.922	4.266	2.297	1.805	1.805
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-24-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-24-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-24-L50-835-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	615.20	N.A.	13.10
0-30	1300.96	N.A.	27.70
0-40	2123.79	N.A.	45.10
0-60	3729.74	N.A.	79.30
0-80	4630.65	N.A.	98.40
0-90	4705.06	N.A.	100.00
10-90	4545.41	N.A.	96.60
20-40	1508.59	N.A.	32.10
20-50	2351.98	N.A.	50.00
40-70	2183.84	N.A.	46.40
60-80	900.91	N.A.	19.10
70-80	323.01	N.A.	6.90
80-90	74.41	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	4705.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	159.65
10-20	455.55
20-30	685.75
30-40	822.84
40-50	843.39
50-60	762.56
60-70	577.90
70-80	323.01
80-90	74.41
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-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-24-L50-835-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

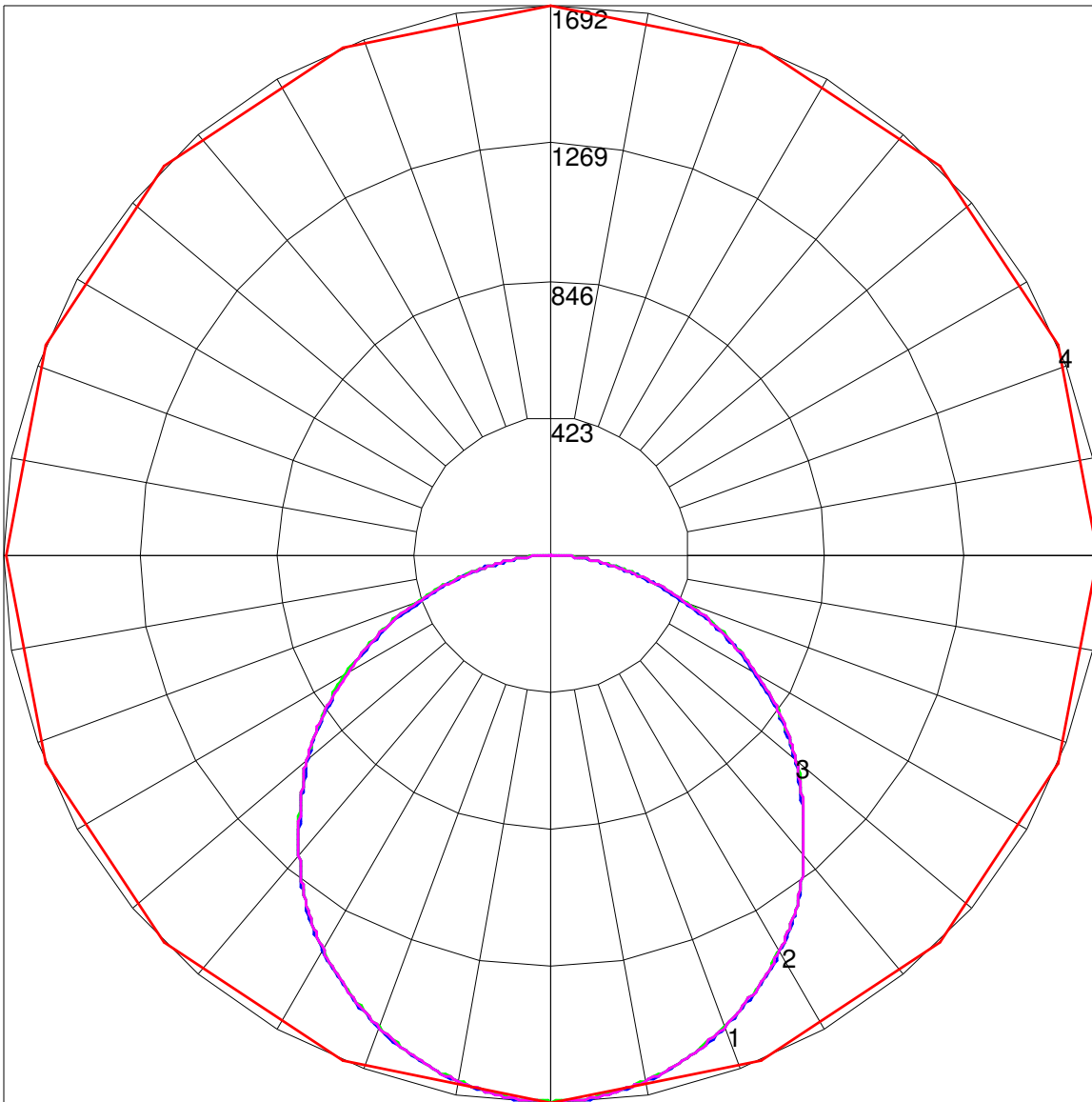
Reflectances

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	15.0	16.7	15.4	17.0	17.3	15.0	16.6	15.4	16.9	17.3
	3H	16.9	18.4	17.3	18.7	19.0	16.8	18.3	17.2	18.6	19.0
	4H	17.6	19.0	18.0	19.3	19.7	17.4	18.8	17.8	19.2	19.5
	6H	18.0	19.3	18.5	19.7	20.1	17.8	19.1	18.2	19.5	19.9
	8H	18.2	19.4	18.6	19.8	20.2	17.9	19.2	18.4	19.6	20.0
	12H	18.3	19.4	18.7	19.8	20.2	18.0	19.2	18.4	19.6	20.0
4H	2H	15.7	17.0	16.1	17.4	17.8	15.6	17.0	16.0	17.4	17.7
	3H	17.7	18.9	18.1	19.3	19.7	17.6	18.8	18.0	19.2	19.6
	4H	18.5	19.6	18.9	20.0	20.4	18.4	19.4	18.8	19.8	20.3
	6H	19.1	20.0	19.6	20.5	20.9	18.9	19.8	19.3	20.3	20.7
	8H	19.3	20.2	19.7	20.6	21.1	19.0	19.9	19.5	20.3	20.8
	12H	19.4	20.2	19.9	20.7	21.1	19.1	19.9	19.6	20.4	20.8
8H	4H	18.8	19.6	19.2	20.1	20.6	18.7	19.5	19.1	20.0	20.4
	6H	19.5	20.2	20.0	20.7	21.2	19.3	20.0	19.8	20.5	21.0
	8H	19.7	20.4	20.3	20.9	21.4	19.5	20.1	20.0	20.6	21.1
	12H	19.9	20.5	20.4	21.0	21.5	19.6	20.2	20.1	20.7	21.2
12H	4H	18.8	19.6	19.3	20.1	20.5	18.7	19.5	19.2	19.9	20.4
	6H	19.5	20.2	20.1	20.7	21.2	19.3	20.0	19.9	20.4	21.0
	8H	19.8	20.4	20.3	20.9	21.4	19.6	20.1	20.1	20.6	21.2

Maximum UGR = 21.5

POLAR GRAPH



Maximum Candela = 1691.66 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.)