



IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-24-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-24-L50-850-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	4987
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
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	2500	2469	2494
55	2423	2373	2414
65	2274	2204	2236
75	1992	1862	1893
85	1195	1087	1147

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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	1791.420	1791.420	1791.420	1791.420	1791.420
0.5	1787.942	1791.420	1793.160	1793.160	1793.160
1.0	1787.942	1793.160	1793.160	1793.160	1793.160
1.5	1786.203	1791.420	1791.420	1791.420	1791.420
2.0	1784.463	1791.420	1791.420	1791.420	1789.681
2.5	1784.463	1789.681	1791.420	1791.420	1789.681
3.0	1782.724	1787.942	1789.681	1789.681	1789.681
3.5	1782.724	1787.942	1787.942	1787.942	1787.942
4.0	1780.985	1786.203	1786.203	1786.203	1787.942
4.5	1779.246	1784.463	1784.463	1786.203	1784.463
5.0	1777.506	1780.985	1782.724	1784.463	1784.463
5.5	1774.028	1779.246	1780.985	1782.724	1780.985
6.0	1770.549	1777.506	1779.246	1780.985	1779.246
6.5	1768.810	1774.028	1775.767	1777.506	1779.246
7.0	1767.071	1772.289	1774.028	1775.767	1775.767
7.5	1763.592	1767.071	1770.549	1772.289	1774.028
8.0	1760.114	1765.332	1768.810	1770.549	1770.549
8.5	1756.635	1761.853	1765.332	1767.071	1768.810
9.0	1753.157	1758.375	1761.853	1765.332	1765.332
9.5	1749.678	1756.635	1758.375	1761.853	1761.853
10.0	1746.200	1753.157	1754.896	1758.375	1758.375
10.5	1742.722	1747.939	1751.418	1754.896	1754.896
11.0	1738.721	1744.461	1747.939	1751.418	1753.157
11.5	1735.069	1740.982	1744.461	1747.939	1749.678
12.0	1730.895	1737.330	1739.243	1744.461	1746.200
12.5	1727.416	1732.634	1735.243	1740.982	1742.722
13.0	1723.590	1728.286	1731.764	1736.112	1738.026
13.5	1718.546	1722.546	1727.416	1731.938	1733.330
14.0	1713.154	1718.372	1722.198	1726.894	1728.808
14.5	1707.415	1714.024	1717.502	1722.025	1723.590
15.0	1703.067	1708.632	1712.285	1716.633	1718.372
15.5	1699.067	1702.719	1707.241	1711.589	1713.676
16.0	1693.327	1697.153	1702.023	1705.850	1707.763
16.5	1688.109	1691.936	1696.806	1699.936	1702.545
17.0	1681.152	1687.414	1690.544	1694.023	1696.110
17.5	1675.413	1681.674	1684.979	1687.414	1689.327
18.0	1670.021	1675.065	1678.543	1681.152	1682.892
18.5	1663.238	1668.804	1672.630	1673.847	1675.587
19.0	1657.325	1662.716	1666.021	1667.238	1668.978
19.5	1650.542	1656.281	1659.238	1660.107	1663.064
20.0	1644.976	1650.194	1652.803	1652.455	1655.759
20.5	1638.193	1643.237	1646.020	1645.324	1648.628
21.0	1631.584	1636.106	1638.889	1638.193	1641.150
21.5	1624.627	1628.801	1631.758	1631.236	1633.497
22.0	1616.800	1622.192	1623.931	1623.409	1626.018
22.5	1609.496	1615.061	1616.105	1615.583	1618.713
23.0	1602.365	1607.756	1608.452	1607.930	1611.409
23.5	1595.582	1599.582	1601.147	1599.582	1604.104
24.0	1588.103	1592.625	1592.451	1591.929	1596.451
24.5	1580.102	1585.320	1584.450	1584.450	1588.625
25.0	1572.450	1578.711	1575.928	1576.624	1580.972
25.5	1563.579	1570.710	1568.102	1567.754	1572.624
26.0	1556.623	1562.362	1560.101	1560.101	1564.797
26.5	1548.796	1554.188	1551.579	1551.927	1555.405

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CANDELA TABULATION - (Cont.)

27.0	1541.665	1546.883	1543.404	1543.230	1547.926
27.5	1532.795	1538.708	1534.186	1534.882	1540.448
28.0	1525.316	1530.708	1525.838	1526.186	1532.621
28.5	1516.794	1522.707	1517.316	1517.316	1524.273
29.0	1508.445	1514.011	1508.793	1509.141	1515.402
29.5	1499.575	1505.141	1499.575	1500.271	1506.358
30.0	1491.227	1497.140	1490.531	1491.749	1497.140
30.5	1481.835	1488.618	1481.661	1482.531	1489.314
31.0	1473.487	1480.096	1472.095	1472.965	1479.400
31.5	1464.790	1470.356	1463.051	1463.921	1469.486
32.0	1456.616	1460.964	1453.659	1454.181	1460.268
32.5	1447.050	1451.746	1443.920	1444.267	1451.746
33.0	1437.484	1442.006	1433.658	1435.223	1441.137
33.5	1427.571	1432.614	1423.918	1424.614	1431.745
34.0	1418.353	1422.005	1413.483	1414.526	1422.179
34.5	1408.439	1411.048	1403.221	1404.439	1411.048
35.0	1398.351	1400.786	1392.090	1393.655	1400.612
35.5	1388.612	1390.699	1380.611	1382.003	1390.003
36.0	1377.480	1379.568	1369.480	1370.697	1378.872
36.5	1365.828	1368.262	1358.001	1359.392	1368.262
37.0	1355.392	1356.783	1346.522	1347.739	1356.088
37.5	1344.087	1344.261	1334.869	1335.913	1344.435
38.0	1332.260	1332.608	1323.042	1324.260	1332.782
38.5	1320.607	1320.781	1310.694	1312.259	1319.912
39.0	1307.911	1308.433	1298.519	1300.432	1308.085
39.5	1296.780	1295.562	1286.344	1288.257	1294.693
40.0	1285.301	1283.387	1273.996	1275.909	1283.040
40.5	1271.908	1271.039	1261.647	1263.734	1271.387
41.0	1259.908	1259.212	1249.298	1251.211	1259.212
41.5	1247.211	1246.863	1236.950	1238.689	1247.733
42.0	1234.863	1233.819	1224.253	1226.862	1234.689
42.5	1223.731	1221.296	1211.557	1214.687	1222.688
43.0	1211.209	1208.774	1199.556	1202.165	1210.687
43.5	1199.730	1197.121	1187.207	1189.816	1199.034
44.0	1188.947	1184.598	1175.033	1177.641	1187.729
44.5	1177.294	1171.554	1163.032	1165.467	1174.859
45.0	1165.467	1159.901	1151.031	1153.640	1162.684
45.5	1153.988	1147.205	1139.030	1140.943	1151.031
46.0	1142.509	1135.378	1126.508	1129.464	1139.030
46.5	1129.986	1123.377	1113.637	1116.594	1126.682
47.0	1117.464	1111.202	1102.506	1104.593	1113.985
47.5	1105.289	1098.506	1089.462	1092.592	1101.637
48.0	1093.810	1086.157	1078.852	1082.505	1091.027
48.5	1083.548	1078.157	1070.330	1073.287	1080.418
49.0	1073.461	1067.026	1057.286	1060.764	1069.982
49.5	1061.286	1054.155	1044.589	1047.720	1058.155
50.0	1048.242	1040.937	1031.719	1035.024	1045.285
50.5	1035.371	1028.067	1018.501	1021.979	1031.545
51.0	1021.805	1015.196	1005.282	1008.761	1018.327
51.5	1008.761	1001.978	991.890	995.543	1005.456
52.0	995.195	988.586	978.324	982.151	992.934
52.5	982.498	974.846	965.106	968.758	979.716
53.0	969.802	960.932	951.888	955.714	965.802
53.5	956.410	947.540	938.322	942.148	952.583
54.0	943.191	933.974	924.756	928.930	939.539
54.5	929.278	920.233	911.015	915.190	926.495

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55.0	916.233	906.146	897.275	901.450	912.929
55.5	903.015	892.406	883.535	887.536	898.667
56.0	889.623	878.318	869.969	873.970	885.275
56.5	876.578	864.404	855.534	860.056	871.361
57.0	862.665	850.490	841.620	845.620	857.273
57.5	848.403	836.576	827.706	831.706	843.707
58.0	834.141	822.140	813.966	817.792	829.097
58.5	820.227	807.878	799.878	803.878	814.488
59.0	805.965	794.138	785.790	789.964	799.008
59.5	791.877	780.224	771.354	775.876	784.920
60.0	777.616	766.310	757.266	761.962	770.137
60.5	763.180	752.397	743.352	747.701	755.353
61.0	749.266	737.961	729.091	733.091	740.396
61.5	734.656	723.873	715.003	718.307	725.786
62.0	720.047	709.959	700.741	703.524	711.176
62.5	705.263	695.871	686.653	688.740	696.567
63.0	690.479	681.261	672.044	673.957	681.957
63.5	676.566	666.652	657.956	659.173	667.174
64.0	662.478	651.868	643.520	644.390	652.390
64.5	648.216	637.259	628.736	629.432	637.780
65.0	633.780	622.475	614.127	614.475	622.997
65.5	619.171	607.692	599.691	599.169	608.039
66.0	604.735	592.908	585.255	584.038	593.256
66.5	590.299	577.950	570.472	569.080	578.298
67.0	575.516	563.167	555.340	554.123	563.167
67.5	561.080	548.557	540.383	538.991	548.035
68.0	546.122	533.948	525.251	523.512	532.904
68.5	531.513	518.816	510.294	508.555	517.773
69.0	517.251	503.859	495.162	493.423	502.293
69.5	502.641	489.423	480.031	478.466	487.162
70.0	487.684	474.639	464.900	463.682	472.378
70.5	472.726	460.204	449.942	448.725	457.247
71.0	457.595	445.594	434.985	433.767	442.116
71.5	442.463	431.158	420.027	418.984	426.636
72.0	428.028	416.723	405.418	404.200	411.679
72.5	412.896	402.113	390.286	389.590	396.895
73.0	397.765	387.851	375.676	374.633	382.286
73.5	383.329	373.415	361.067	360.023	367.502
74.0	368.720	358.980	346.631	345.762	352.371
74.5	354.458	344.718	332.021	331.500	337.761
75.0	340.022	330.456	317.760	317.064	322.977
75.5	325.760	316.368	303.498	302.628	308.716
76.0	311.672	302.280	289.236	288.193	293.584
76.5	297.758	288.019	275.148	273.583	278.627
77.0	283.844	273.931	261.234	258.799	263.321
77.5	269.757	259.843	247.320	244.190	247.842
78.0	256.190	246.103	233.406	229.580	232.711
78.5	242.103	232.015	219.666	214.970	216.710
79.0	228.363	217.927	205.926	200.187	200.013
79.5	214.275	204.361	192.360	185.055	181.925
80.0	200.709	190.795	178.968	169.054	165.924
80.5	186.969	177.229	165.402	153.053	154.619
81.0	173.403	164.011	152.184	140.357	144.357
81.5	159.663	150.966	138.792	130.095	134.096
82.0	146.096	138.096	125.747	120.182	124.008
82.5	132.878	125.399	112.529	110.442	114.094

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CANDELA TABULATION - (Cont.)

83.0	119.486	112.877	100.354	100.702	104.355
83.5	106.268	100.528	90.093	91.136	94.615
84.0	93.223	88.527	80.701	81.744	84.701
84.5	80.701	77.048	71.483	72.526	75.309
85.0	68.700	66.265	62.439	63.308	65.917
85.5	58.091	56.351	53.569	54.264	56.699
86.0	48.525	47.307	45.046	45.568	47.481
86.5	40.003	38.959	36.698	36.872	38.263
87.0	32.524	30.959	28.871	28.524	29.393
87.5	25.741	23.828	21.219	20.175	20.349
88.0	19.827	17.392	14.436	11.827	10.609
88.5	14.436	12.175	8.870	5.740	4.348
89.0	9.392	7.827	4.696	3.131	2.783
89.5	5.218	4.522	2.435	1.913	1.913
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-L50-850-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-24-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-24-L50-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	652.11	N.A.	13.10
0-30	1379.02	N.A.	27.70
0-40	2251.22	N.A.	45.10
0-60	3953.52	N.A.	79.30
0-80	4908.49	N.A.	98.40
0-90	4987.36	N.A.	100.00
10-90	4818.13	N.A.	96.60
20-40	1599.11	N.A.	32.10
20-50	2493.1	N.A.	50.00
40-70	2314.87	N.A.	46.40
60-80	954.97	N.A.	19.10
70-80	342.39	N.A.	6.90
80-90	78.88	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	4987.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.23
10-20	482.88
20-30	726.90
30-40	872.21
40-50	893.99
50-60	808.31
60-70	612.57
70-80	342.39
80-90	78.88
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-L50-850-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

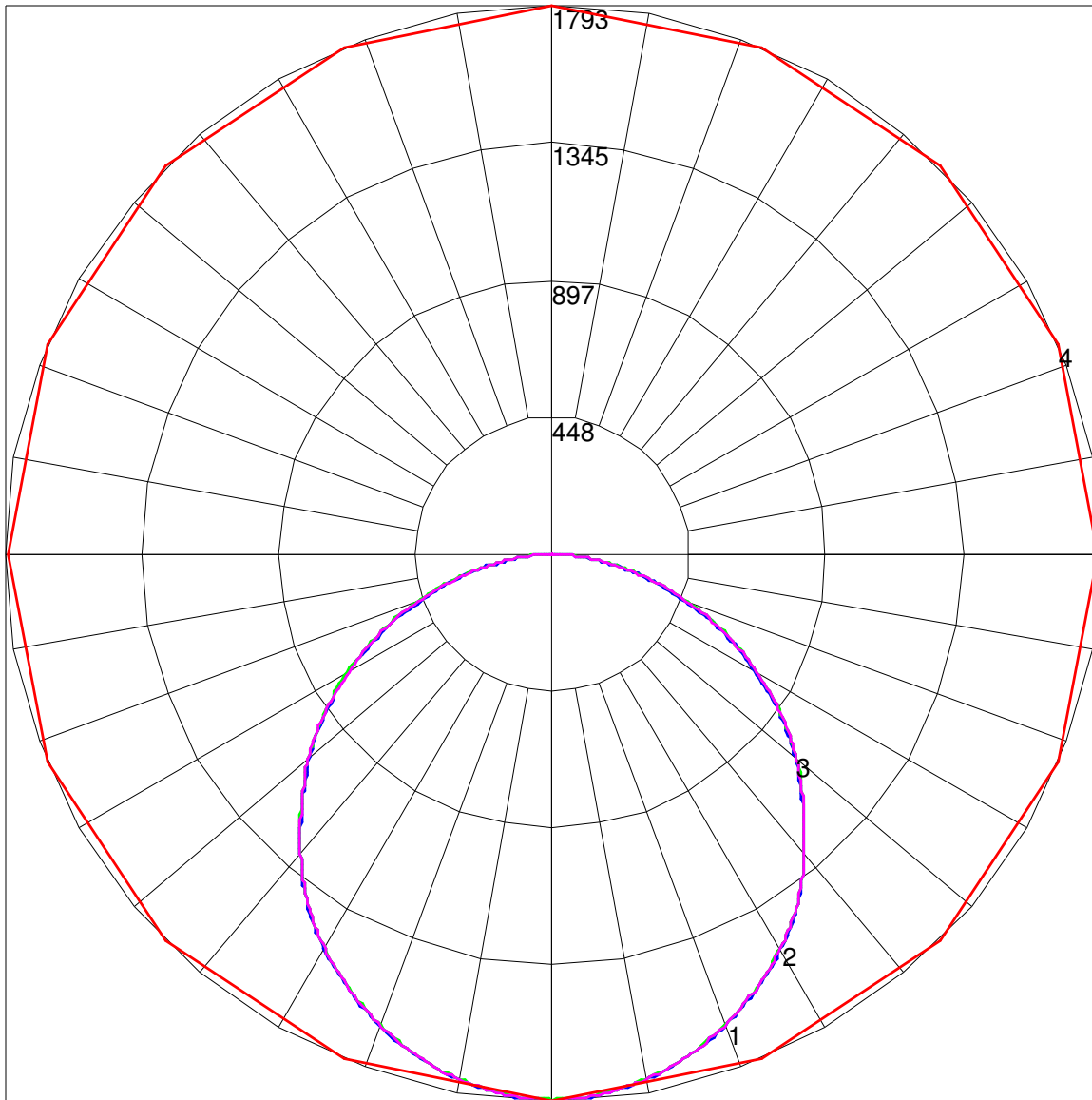
IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-24-L50-850-DIM-UNV_.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	15.2	16.9	15.6	17.2	17.5	15.2	16.8	15.6	17.1	17.5
	3H	17.1	18.6	17.5	18.9	19.2	17.0	18.5	17.4	18.8	19.2
	4H	17.8	19.2	18.2	19.5	19.9	17.6	19.0	18.0	19.4	19.7
	6H	18.2	19.5	18.7	19.9	20.3	18.0	19.3	18.4	19.7	20.1
	8H	18.4	19.6	18.8	20.0	20.4	18.1	19.4	18.6	19.8	20.2
	12H	18.4	19.6	18.9	20.0	20.4	18.2	19.4	18.6	19.8	20.2
4H	2H	15.9	17.2	16.3	17.6	18.0	15.8	17.2	16.2	17.6	17.9
	3H	17.9	19.1	18.3	19.5	19.9	17.8	19.0	18.2	19.4	19.8
	4H	18.7	19.8	19.1	20.2	20.6	18.6	19.6	19.0	20.0	20.5
	6H	19.3	20.2	19.8	20.7	21.1	19.1	20.0	19.5	20.5	20.9
	8H	19.5	20.4	19.9	20.8	21.3	19.2	20.1	19.7	20.5	21.0
	12H	19.6	20.4	20.1	20.9	21.3	19.3	20.1	19.8	20.6	21.0
8H	4H	19.0	19.8	19.4	20.3	20.8	18.9	19.7	19.3	20.2	20.6
	6H	19.7	20.4	20.2	20.9	21.4	19.5	20.2	20.0	20.7	21.2
	8H	19.9	20.6	20.4	21.1	21.6	19.7	20.3	20.2	20.8	21.3
	12H	20.1	20.7	20.6	21.2	21.7	19.8	20.4	20.3	20.9	21.4
12H	4H	19.0	19.8	19.5	20.3	20.7	18.9	19.7	19.4	20.1	20.6
	6H	19.7	20.4	20.3	20.8	21.4	19.5	20.2	20.1	20.6	21.2
	8H	20.0	20.6	20.5	21.1	21.6	19.8	20.3	20.3	20.8	21.4

Maximum UGR = 21.7

POLAR GRAPH



Maximum Candela = 1793.16 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.)