



IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-24-L70-840-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-L70-840-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	6738
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	63.8
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	3377	3335	3369
55	3273	3205	3261
65	3073	2977	3020
75	2692	2515	2557
85	1615	1468	1550

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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	2420.151	2420.151	2420.151	2420.151	2420.151
0.5	2415.452	2420.151	2422.501	2422.501	2422.501
1.0	2415.452	2422.501	2422.501	2422.501	2422.501
1.5	2413.102	2420.151	2420.151	2420.151	2420.151
2.0	2410.752	2420.151	2420.151	2420.151	2417.801
2.5	2410.752	2417.801	2420.151	2420.151	2417.801
3.0	2408.403	2415.452	2417.801	2417.801	2417.801
3.5	2408.403	2415.452	2415.452	2415.452	2415.452
4.0	2406.053	2413.102	2413.102	2413.102	2415.452
4.5	2403.703	2410.752	2410.752	2413.102	2410.752
5.0	2401.354	2406.053	2408.403	2410.752	2410.752
5.5	2396.654	2403.703	2406.053	2408.403	2406.053
6.0	2391.955	2401.354	2403.703	2406.053	2403.703
6.5	2389.605	2396.654	2399.004	2401.354	2403.703
7.0	2387.256	2394.305	2396.654	2399.004	2399.004
7.5	2382.556	2387.256	2391.955	2394.305	2396.654
8.0	2377.857	2384.906	2389.605	2391.955	2391.955
8.5	2373.158	2380.207	2384.906	2387.256	2389.605
9.0	2368.458	2375.507	2380.207	2384.906	2384.906
9.5	2363.759	2373.158	2375.507	2380.207	2380.207
10.0	2359.060	2368.458	2370.808	2375.507	2375.507
10.5	2354.360	2361.409	2366.109	2370.808	2370.808
11.0	2348.956	2356.710	2361.409	2366.109	2368.458
11.5	2344.022	2352.011	2356.710	2361.409	2363.759
12.0	2338.383	2347.076	2349.661	2356.710	2359.060
12.5	2333.683	2340.732	2344.257	2352.011	2354.360
13.0	2328.514	2334.858	2339.558	2345.432	2348.016
13.5	2321.700	2327.104	2333.683	2339.793	2341.672
14.0	2314.416	2321.465	2326.634	2332.979	2335.563
14.5	2306.662	2315.591	2320.290	2326.399	2328.514
15.0	2300.788	2308.307	2313.241	2319.116	2321.465
15.5	2295.384	2300.318	2306.427	2312.302	2315.121
16.0	2287.630	2292.799	2299.378	2304.548	2307.132
16.5	2280.581	2285.750	2292.329	2296.559	2300.083
17.0	2271.182	2279.641	2283.871	2288.570	2291.390
17.5	2263.429	2271.887	2276.352	2279.641	2282.226
18.0	2256.145	2262.959	2267.658	2271.182	2273.532
18.5	2246.981	2254.500	2259.669	2261.314	2263.664
19.0	2238.992	2246.276	2250.740	2252.385	2254.735
19.5	2229.828	2237.582	2241.577	2242.752	2246.746
20.0	2222.309	2229.358	2232.883	2232.413	2236.877
20.5	2213.146	2219.960	2223.719	2222.779	2227.244
21.0	2204.217	2210.326	2214.086	2213.146	2217.140
21.5	2194.818	2200.458	2204.452	2203.747	2206.802
22.0	2184.245	2191.529	2193.879	2193.174	2196.698
22.5	2174.376	2181.895	2183.305	2182.600	2186.830
23.0	2164.743	2172.027	2172.967	2172.262	2176.961
23.5	2155.579	2160.983	2163.098	2160.983	2167.092
24.0	2145.476	2151.585	2151.350	2150.645	2156.754
24.5	2134.667	2141.716	2140.541	2140.541	2146.180
25.0	2124.329	2132.787	2129.028	2129.968	2135.842
25.5	2112.345	2121.979	2118.454	2117.985	2124.564
26.0	2102.947	2110.701	2107.646	2107.646	2113.990
26.5	2092.373	2099.657	2096.133	2096.603	2101.302

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27.0	2082.740	2089.789	2085.089	2084.854	2091.198
27.5	2070.756	2078.745	2072.636	2073.576	2081.095
28.0	2060.653	2067.937	2061.358	2061.828	2070.521
28.5	2049.139	2057.128	2049.844	2049.844	2059.243
29.0	2037.861	2045.380	2038.331	2038.801	2047.260
29.5	2025.878	2033.397	2025.878	2026.818	2035.041
30.0	2014.599	2022.588	2013.660	2015.304	2022.588
30.5	2001.911	2011.075	2001.676	2002.851	2012.015
31.0	1990.633	1999.562	1988.753	1989.928	1998.622
31.5	1978.885	1986.404	1976.535	1977.710	1985.229
32.0	1967.841	1973.715	1963.847	1964.552	1972.775
32.5	1954.918	1961.262	1950.689	1951.159	1961.262
33.0	1941.995	1948.104	1936.826	1938.940	1946.929
33.5	1928.602	1935.416	1923.668	1924.607	1934.241
34.0	1916.149	1921.083	1909.570	1910.979	1921.318
34.5	1902.756	1906.280	1895.707	1897.351	1906.280
35.0	1889.128	1892.417	1880.669	1882.783	1892.182
35.5	1875.969	1878.789	1865.161	1867.041	1877.849
36.0	1860.932	1863.751	1850.123	1851.768	1862.811
36.5	1845.189	1848.478	1834.615	1836.495	1848.478
37.0	1831.091	1832.971	1819.108	1820.752	1832.031
37.5	1815.818	1816.053	1803.365	1804.775	1816.288
38.0	1799.840	1800.310	1787.387	1789.032	1800.545
38.5	1784.098	1784.333	1770.705	1772.819	1783.158
39.0	1766.945	1767.650	1754.257	1756.842	1767.180
39.5	1751.907	1750.263	1737.809	1740.394	1749.088
40.0	1736.400	1733.815	1721.127	1723.711	1733.345
40.5	1718.307	1717.132	1704.444	1707.264	1717.602
41.0	1702.095	1701.155	1687.762	1690.346	1701.155
41.5	1684.942	1684.472	1671.079	1673.429	1685.647
42.0	1668.259	1666.850	1653.926	1657.451	1668.024
42.5	1653.222	1649.932	1636.774	1641.003	1651.812
43.0	1636.304	1633.014	1620.561	1624.086	1635.599
43.5	1620.796	1617.272	1603.879	1607.403	1619.856
44.0	1606.228	1600.354	1587.431	1590.956	1604.584
44.5	1590.486	1582.732	1571.218	1574.508	1587.196
45.0	1574.508	1566.989	1555.006	1558.530	1570.748
45.5	1559.000	1549.836	1538.793	1541.378	1555.006
46.0	1543.492	1533.859	1521.876	1525.870	1538.793
46.5	1526.575	1517.646	1504.488	1508.482	1522.110
47.0	1509.657	1501.198	1489.450	1492.270	1504.958
47.5	1493.210	1484.046	1471.828	1476.057	1488.275
48.0	1477.702	1467.363	1457.495	1462.429	1473.942
48.5	1463.839	1456.555	1445.981	1449.976	1459.609
49.0	1450.211	1441.517	1428.359	1433.058	1445.512
49.5	1433.763	1424.130	1411.206	1415.436	1429.534
50.0	1416.141	1406.272	1393.819	1398.283	1412.146
50.5	1398.753	1388.885	1375.962	1380.661	1393.584
51.0	1380.426	1371.497	1358.104	1362.803	1375.727
51.5	1362.803	1353.640	1340.012	1344.946	1358.339
52.0	1344.476	1335.547	1321.684	1326.854	1341.422
52.5	1327.324	1316.985	1303.827	1308.761	1323.564
53.0	1310.171	1298.188	1285.970	1291.139	1304.767
53.5	1292.079	1280.095	1267.642	1272.811	1286.909
54.0	1274.221	1261.768	1249.315	1254.954	1269.287
54.5	1255.424	1243.206	1230.752	1236.392	1251.664

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55.0	1237.801	1224.173	1212.190	1217.829	1233.337
55.5	1219.944	1205.611	1193.628	1199.032	1214.070
56.0	1201.852	1186.579	1175.300	1180.705	1195.978
56.5	1184.229	1167.782	1155.798	1161.907	1177.180
57.0	1165.432	1148.984	1137.001	1142.405	1158.148
57.5	1146.165	1130.187	1118.204	1123.608	1139.821
58.0	1126.897	1110.685	1099.641	1104.811	1120.083
58.5	1108.100	1091.418	1080.609	1086.013	1100.346
59.0	1088.833	1072.855	1061.577	1067.216	1079.434
59.5	1069.801	1054.058	1042.075	1048.184	1060.402
60.0	1050.533	1035.261	1023.042	1029.387	1040.430
60.5	1031.031	1016.463	1004.245	1010.119	1020.458
61.0	1012.234	996.961	984.978	990.382	1000.251
61.5	992.497	977.929	965.946	970.410	980.514
62.0	972.760	959.132	946.678	950.438	960.776
62.5	952.788	940.099	927.646	930.466	941.039
63.0	932.815	920.362	907.909	910.494	921.302
63.5	914.018	900.625	888.877	890.522	901.330
64.0	894.986	880.653	869.375	870.549	881.358
64.5	875.719	860.916	849.402	850.342	861.621
65.0	856.217	840.944	829.665	830.135	841.649
65.5	836.479	820.972	810.163	809.458	821.442
66.0	816.977	800.999	790.661	789.016	801.469
66.5	797.475	780.792	770.689	768.809	781.262
67.0	777.503	760.820	750.247	748.602	760.820
67.5	758.001	741.083	730.040	728.160	740.378
68.0	737.794	721.346	709.598	707.248	719.936
68.5	718.056	700.904	689.391	687.041	699.494
69.0	698.789	680.697	668.949	666.599	678.582
69.5	679.052	661.195	648.506	646.392	658.140
70.0	658.845	641.223	628.064	626.420	638.168
70.5	638.638	621.720	607.857	606.213	617.726
71.0	618.196	601.983	587.650	586.005	597.284
71.5	597.754	582.481	567.443	566.033	576.372
72.0	578.252	562.979	547.706	546.061	556.165
72.5	557.810	543.242	527.264	526.324	536.193
73.0	537.367	523.974	507.527	506.117	516.456
73.5	517.865	504.472	487.790	486.380	496.483
74.0	498.128	484.970	468.287	467.113	476.041
74.5	478.861	465.703	448.550	447.845	456.304
75.0	459.359	446.436	429.283	428.343	436.332
75.5	440.092	427.403	410.016	408.841	417.065
76.0	421.059	408.371	390.749	389.339	396.623
76.5	402.262	389.104	371.716	369.602	376.416
77.0	383.465	370.072	352.919	349.630	355.739
77.5	364.432	351.039	334.122	329.892	334.827
78.0	346.105	332.477	315.325	310.155	314.385
78.5	327.073	313.445	296.762	290.418	292.768
79.0	308.511	294.413	278.200	270.446	270.211
79.5	289.478	276.085	259.873	250.004	245.775
80.0	271.151	257.758	241.780	228.387	224.158
80.5	252.589	239.430	223.453	206.770	208.885
81.0	234.261	221.573	205.595	189.618	195.022
81.5	215.699	203.951	187.503	175.755	181.159
82.0	197.372	186.563	169.880	162.362	167.531
82.5	179.514	169.411	152.023	149.203	154.138

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CANDELA TABULATION - (Cont.)

83.0	161.422	152.493	135.575	136.045	140.980
83.5	143.564	135.810	121.712	123.122	127.822
84.0	125.942	119.598	109.024	110.434	114.428
84.5	109.024	104.090	96.571	97.981	101.740
85.0	92.812	89.522	84.353	85.528	89.052
85.5	78.479	76.129	72.370	73.309	76.599
86.0	65.556	63.911	60.856	61.561	64.146
86.5	54.042	52.632	49.578	49.813	51.693
87.0	43.939	41.824	39.004	38.534	39.709
87.5	34.775	32.190	28.666	27.256	27.491
88.0	26.786	23.497	19.502	15.978	14.333
88.5	19.502	16.448	11.983	7.754	5.874
89.0	12.688	10.573	6.344	4.229	3.759
89.5	7.049	6.109	3.290	2.585	2.585
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-L70-840-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-L70-840-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-L70-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	880.99	N.A.	13.10
0-30	1863.00	N.A.	27.70
0-40	3041.33	N.A.	45.10
0-60	5341.08	N.A.	79.30
0-80	6631.21	N.A.	98.40
0-90	6737.77	N.A.	100.00
10-90	6509.14	N.A.	96.60
20-40	2160.34	N.A.	32.10
20-50	3368.09	N.A.	50.00
40-70	3127.32	N.A.	46.40
60-80	1290.13	N.A.	19.10
70-80	462.56	N.A.	6.90
80-90	106.56	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	6737.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	228.63
10-20	652.36
20-30	982.02
30-40	1178.32
40-50	1207.75
50-60	1092.00
60-70	827.57
70-80	462.56
80-90	106.56
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-L70-840-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-L70-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

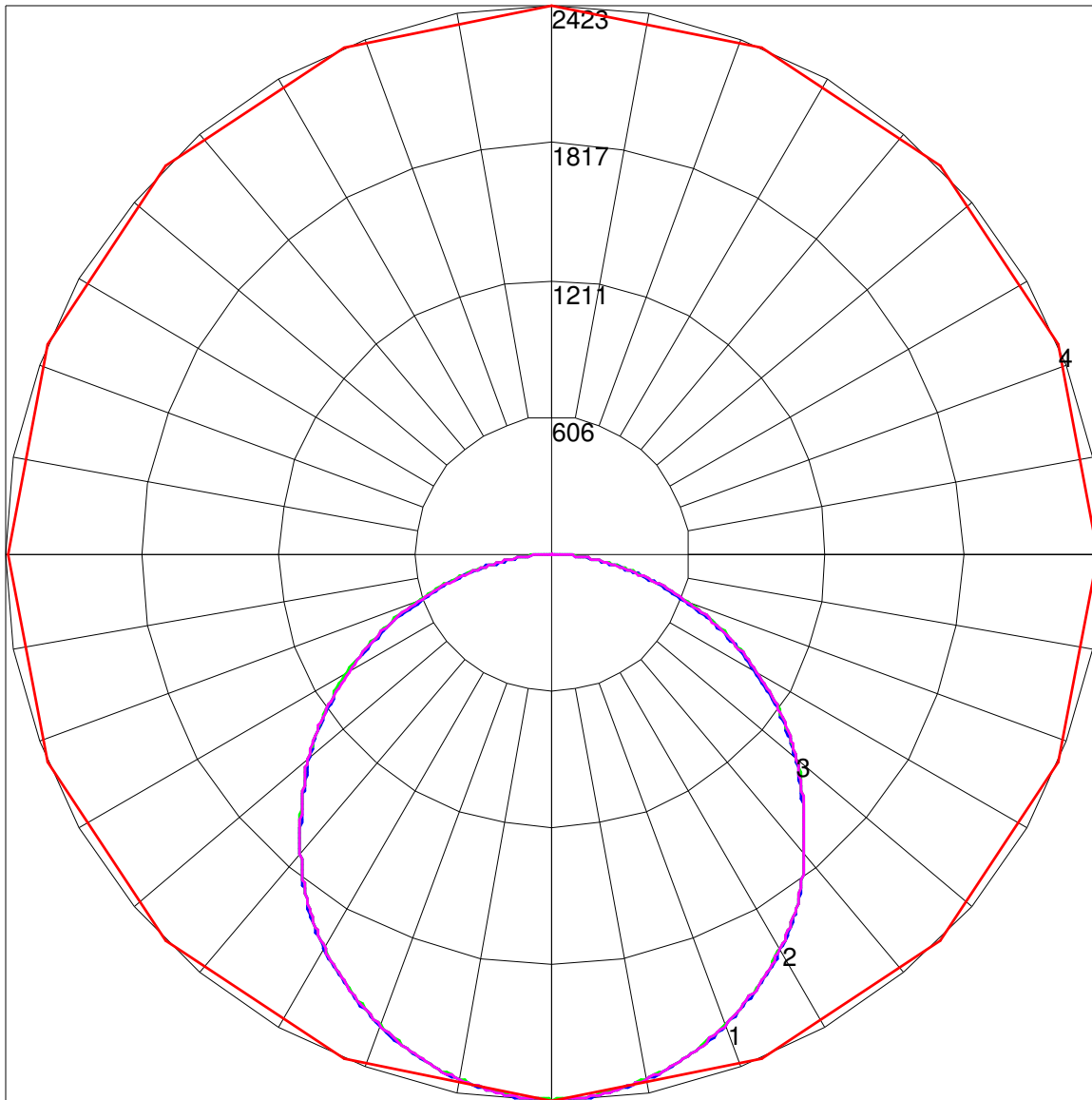
Reflectances

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	16.2	17.9	16.6	18.2	18.5	16.2	17.8	16.6	18.1	18.5
	3H	18.1	19.6	18.5	19.9	20.2	18.0	19.5	18.4	19.8	20.2
	4H	18.8	20.2	19.2	20.5	20.9	18.6	20.0	19.0	20.4	20.7
	6H	19.2	20.5	19.7	20.9	21.3	19.0	20.3	19.4	20.7	21.1
	8H	19.4	20.6	19.8	21.0	21.4	19.1	20.4	19.6	20.8	21.2
	12H	19.4	20.6	19.9	21.0	21.4	19.2	20.4	19.6	20.8	21.2
4H	2H	16.9	18.2	17.3	18.6	19.0	16.8	18.2	17.2	18.6	18.9
	3H	18.9	20.1	19.3	20.5	20.9	18.8	20.0	19.2	20.4	20.8
	4H	19.7	20.8	20.1	21.2	21.6	19.6	20.6	20.0	21.0	21.5
	6H	20.3	21.2	20.8	21.7	22.1	20.1	21.0	20.5	21.5	21.9
	8H	20.5	21.4	20.9	21.8	22.3	20.2	21.1	20.7	21.5	22.0
	12H	20.6	21.4	21.1	21.9	22.3	20.3	21.1	20.8	21.6	22.0
8H	4H	20.0	20.8	20.4	21.3	21.8	19.9	20.7	20.3	21.2	21.6
	6H	20.7	21.4	21.2	21.9	22.4	20.5	21.2	21.0	21.7	22.2
	8H	20.9	21.6	21.4	22.1	22.6	20.7	21.3	21.2	21.8	22.3
	12H	21.1	21.7	21.6	22.2	22.7	20.8	21.4	21.3	21.9	22.4
12H	4H	20.0	20.8	20.5	21.3	21.7	19.9	20.7	20.4	21.1	21.6
	6H	20.7	21.4	21.3	21.8	22.4	20.5	21.2	21.1	21.6	22.2
	8H	21.0	21.6	21.5	22.1	22.6	20.8	21.3	21.3	21.8	22.4

Maximum UGR = 22.7

POLAR GRAPH



Maximum Candela = 2422.501 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.)