



IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-24-L70-835-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-L70-835-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	6542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
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	3279	3238	3271
55	3178	3112	3166
65	2983	2891	2932
75	2613	2442	2482
85	1568	1425	1504

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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	2349.661	2349.661	2349.661	2349.661	2349.661
0.5	2345.098	2349.661	2351.942	2351.942	2351.942
1.0	2345.098	2351.942	2351.942	2351.942	2351.942
1.5	2342.817	2349.661	2349.661	2349.661	2349.661
2.0	2340.536	2349.661	2349.661	2349.661	2347.380
2.5	2340.536	2347.380	2349.661	2349.661	2347.380
3.0	2338.255	2345.098	2347.380	2347.380	2347.380
3.5	2338.255	2345.098	2345.098	2345.098	2345.098
4.0	2335.973	2342.817	2342.817	2342.817	2345.098
4.5	2333.692	2340.536	2340.536	2342.817	2340.536
5.0	2331.411	2335.973	2338.255	2340.536	2340.536
5.5	2326.848	2333.692	2335.973	2338.255	2335.973
6.0	2322.286	2331.411	2333.692	2335.973	2333.692
6.5	2320.005	2326.848	2329.130	2331.411	2333.692
7.0	2317.724	2324.567	2326.848	2329.130	2329.130
7.5	2313.161	2317.724	2322.286	2324.567	2326.848
8.0	2308.599	2315.442	2320.005	2322.286	2322.286
8.5	2304.036	2310.880	2315.442	2317.724	2320.005
9.0	2299.474	2306.317	2310.880	2315.442	2315.442
9.5	2294.911	2304.036	2306.317	2310.880	2310.880
10.0	2290.349	2299.474	2301.755	2306.317	2306.317
10.5	2285.786	2292.630	2297.193	2301.755	2301.755
11.0	2280.540	2288.068	2292.630	2297.193	2299.474
11.5	2275.749	2283.505	2288.068	2292.630	2294.911
12.0	2270.274	2278.715	2281.224	2288.068	2290.349
12.5	2265.712	2272.555	2275.977	2283.505	2285.786
13.0	2260.693	2266.852	2271.415	2277.118	2279.627
13.5	2254.077	2259.324	2265.712	2271.643	2273.468
14.0	2247.006	2253.849	2258.868	2265.027	2267.537
14.5	2239.478	2248.146	2252.709	2258.640	2260.693
15.0	2233.775	2241.074	2245.865	2251.568	2253.849
15.5	2228.528	2233.318	2239.249	2244.953	2247.690
16.0	2221.000	2226.018	2232.406	2237.425	2239.934
16.5	2214.156	2219.175	2225.562	2229.668	2233.090
17.0	2205.031	2213.244	2217.350	2221.912	2224.650
17.5	2197.503	2205.715	2210.050	2213.244	2215.753
18.0	2190.431	2197.047	2201.609	2205.031	2207.312
18.5	2181.535	2188.834	2193.853	2195.450	2197.731
19.0	2173.778	2180.850	2185.184	2186.781	2189.063
19.5	2164.882	2172.410	2176.288	2177.428	2181.306
20.0	2157.582	2164.425	2167.847	2167.391	2171.725
20.5	2148.685	2155.300	2158.950	2158.038	2162.372
21.0	2140.016	2145.947	2149.597	2148.685	2152.563
21.5	2130.891	2136.366	2140.244	2139.560	2142.526
22.0	2120.626	2127.698	2129.979	2129.294	2132.716
22.5	2111.045	2118.345	2119.713	2119.029	2123.135
23.0	2101.692	2108.763	2109.676	2108.992	2113.554
23.5	2092.795	2098.042	2100.095	2098.042	2103.973
24.0	2082.986	2088.917	2088.689	2088.004	2093.936
24.5	2072.492	2079.336	2078.195	2078.195	2083.670
25.0	2062.455	2070.667	2067.017	2067.930	2073.633
25.5	2050.820	2060.173	2056.752	2056.295	2062.683
26.0	2041.695	2049.224	2046.258	2046.258	2052.417
26.5	2031.430	2038.502	2035.080	2035.536	2040.099

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CANDELA TABULATION - (Cont.)

27.0	2022.077	2028.921	2024.358	2024.130	2030.289
27.5	2010.443	2018.199	2012.268	2013.180	2020.480
28.0	2000.633	2007.705	2001.318	2001.774	2010.215
28.5	1989.455	1997.212	1990.140	1990.140	1999.265
29.0	1978.506	1985.806	1978.962	1979.418	1987.630
29.5	1966.871	1974.171	1966.871	1967.784	1975.768
30.0	1955.921	1963.678	1955.009	1956.606	1963.678
30.5	1943.603	1952.500	1943.375	1944.515	1953.412
31.0	1932.653	1941.322	1930.828	1931.969	1940.409
31.5	1921.247	1928.547	1918.966	1920.106	1927.406
32.0	1910.525	1916.228	1906.647	1907.331	1915.316
32.5	1897.978	1904.138	1893.872	1894.328	1904.138
33.0	1885.432	1891.363	1880.413	1882.466	1890.222
33.5	1872.429	1879.044	1867.638	1868.551	1877.904
34.0	1860.338	1865.129	1853.951	1855.319	1865.357
34.5	1847.335	1850.757	1840.492	1842.088	1850.757
35.0	1834.104	1837.298	1825.892	1827.945	1837.070
35.5	1821.329	1824.067	1810.836	1812.661	1823.154
36.0	1806.729	1809.467	1796.236	1797.833	1808.554
36.5	1791.445	1794.639	1781.180	1783.005	1794.639
37.0	1777.758	1779.583	1766.124	1767.720	1778.670
37.5	1762.930	1763.158	1750.839	1752.208	1763.386
38.0	1747.418	1747.874	1735.327	1736.924	1748.102
38.5	1732.133	1732.362	1719.130	1721.184	1731.221
39.0	1715.480	1716.165	1703.162	1705.671	1715.709
39.5	1700.881	1699.284	1687.193	1689.703	1698.143
40.0	1685.825	1683.315	1670.997	1673.506	1682.859
40.5	1668.259	1667.119	1654.800	1657.537	1667.575
41.0	1652.519	1651.606	1638.603	1641.113	1651.606
41.5	1635.866	1635.409	1622.407	1624.688	1636.550
42.0	1619.669	1618.300	1605.754	1609.175	1619.441
42.5	1605.069	1601.876	1589.101	1593.207	1603.700
43.0	1588.644	1585.451	1573.360	1576.782	1587.960
43.5	1573.588	1570.166	1557.164	1560.585	1572.676
44.0	1559.445	1553.742	1541.195	1544.617	1557.848
44.5	1544.161	1536.632	1525.454	1528.648	1540.967
45.0	1528.648	1521.348	1509.714	1513.136	1524.998
45.5	1513.592	1504.695	1493.974	1496.483	1509.714
46.0	1498.536	1489.183	1477.549	1481.427	1493.974
46.5	1482.111	1473.443	1460.668	1464.546	1477.777
47.0	1465.686	1457.474	1446.068	1448.805	1461.124
47.5	1449.718	1440.821	1428.959	1433.065	1444.927
48.0	1434.662	1424.624	1415.043	1419.834	1431.012
48.5	1421.203	1414.131	1403.865	1407.743	1417.096
49.0	1407.971	1399.531	1386.756	1391.319	1403.409
49.5	1392.003	1382.650	1370.103	1374.209	1387.897
50.0	1374.894	1365.313	1353.222	1357.556	1371.016
50.5	1358.013	1348.432	1335.885	1340.447	1352.994
51.0	1340.219	1331.550	1318.547	1323.110	1335.657
51.5	1323.110	1314.213	1300.982	1305.773	1318.776
52.0	1305.316	1296.648	1283.189	1288.207	1302.351
52.5	1288.663	1278.626	1265.851	1270.642	1285.013
53.0	1272.011	1260.376	1248.514	1253.533	1266.764
53.5	1254.445	1242.811	1230.720	1235.739	1249.426
54.0	1237.108	1225.017	1212.927	1218.402	1232.317
54.5	1218.858	1206.996	1194.905	1200.380	1215.208

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55.0	1201.749	1188.518	1176.883	1182.358	1197.414
55.5	1184.412	1170.496	1158.862	1164.109	1178.708
56.0	1166.846	1152.018	1141.068	1146.315	1161.143
56.5	1149.737	1133.768	1122.134	1128.065	1142.893
57.0	1131.487	1115.519	1103.884	1109.131	1124.415
57.5	1112.781	1097.269	1085.635	1090.881	1106.622
58.0	1094.075	1078.335	1067.613	1072.632	1087.459
58.5	1075.825	1059.629	1049.135	1054.382	1068.297
59.0	1057.119	1041.607	1030.657	1036.132	1047.994
59.5	1038.641	1023.357	1011.723	1017.654	1029.516
60.0	1019.935	1005.107	993.245	999.404	1010.126
60.5	1001.001	986.858	974.995	980.698	990.736
61.0	982.751	967.923	956.289	961.536	971.117
61.5	963.589	949.445	937.811	942.146	951.955
62.0	944.427	931.196	919.105	922.755	932.792
62.5	925.036	912.718	900.627	903.365	913.630
63.0	905.646	893.555	881.465	883.974	894.468
63.5	887.396	874.393	862.987	864.584	875.078
64.0	868.918	855.003	844.053	845.193	855.687
64.5	850.212	835.840	824.662	825.575	836.525
65.0	831.278	816.450	805.500	805.956	817.134
65.5	812.116	797.060	786.566	785.882	797.516
66.0	793.182	777.669	767.632	766.035	778.126
66.5	774.247	758.051	748.241	746.416	758.507
67.0	754.857	738.660	728.395	726.798	738.660
67.5	735.923	719.498	708.776	706.951	718.814
68.0	716.304	700.336	688.930	686.648	698.967
68.5	697.142	680.489	669.311	667.030	679.120
69.0	678.436	660.871	649.464	647.183	658.817
69.5	659.274	641.936	629.618	627.565	638.971
70.0	639.655	622.546	609.771	608.174	619.580
70.5	620.037	603.612	590.153	588.556	599.734
71.0	600.190	584.450	570.534	568.937	579.887
71.5	580.343	565.515	550.916	549.547	559.584
72.0	561.409	546.581	531.753	530.156	539.966
72.5	541.563	527.419	511.907	510.994	520.575
73.0	521.716	508.713	492.744	491.376	501.413
73.5	502.782	489.779	473.582	472.213	482.023
74.0	483.619	470.845	454.648	453.507	462.176
74.5	464.913	452.139	435.486	434.801	443.014
75.0	445.979	433.433	416.780	415.867	423.623
75.5	427.273	414.955	398.074	396.933	404.917
76.0	408.795	396.477	379.368	377.999	385.071
76.5	390.546	377.771	360.890	358.837	365.452
77.0	372.296	359.293	342.640	339.446	345.377
77.5	353.818	340.815	324.390	320.284	325.074
78.0	336.024	322.793	306.140	301.122	305.228
78.5	317.546	304.315	288.119	281.959	284.241
79.0	299.525	285.837	270.097	262.569	262.341
79.5	281.047	268.044	252.303	242.722	238.616
80.0	263.253	250.250	234.738	221.735	217.629
80.5	245.232	232.457	216.944	200.748	202.801
81.0	227.438	215.119	199.607	184.095	189.342
81.5	209.416	198.010	182.042	170.636	175.882
82.0	191.623	181.129	164.932	157.633	162.651
82.5	174.286	164.476	147.595	144.858	149.648

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CANDELA TABULATION - (Cont.)

83.0	156.720	148.051	131.627	132.083	136.873
83.5	139.383	131.855	118.167	119.536	124.099
84.0	122.274	116.114	105.849	107.218	111.096
84.5	105.849	101.058	93.758	95.127	98.777
85.0	90.108	86.915	81.896	83.037	86.458
85.5	76.193	73.912	70.262	71.174	74.368
86.0	63.646	62.049	59.084	59.768	62.277
86.5	52.468	51.099	48.134	48.362	50.187
87.0	42.659	40.606	37.868	37.412	38.553
87.5	33.762	31.253	27.831	26.462	26.690
88.0	26.006	22.812	18.934	15.512	13.915
88.5	18.934	15.969	11.634	7.528	5.703
89.0	12.319	10.266	6.159	4.106	3.650
89.5	6.844	5.931	3.194	2.509	2.509
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-L70-835-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-L70-835-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-L70-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	855.33	N.A.	13.10
0-30	1808.74	N.A.	27.70
0-40	2952.74	N.A.	45.10
0-60	5185.51	N.A.	79.30
0-80	6438.07	N.A.	98.40
0-90	6541.52	N.A.	100.00
10-90	6319.55	N.A.	96.60
20-40	2097.42	N.A.	32.10
20-50	3269.99	N.A.	50.00
40-70	3036.23	N.A.	46.40
60-80	1252.55	N.A.	19.10
70-80	449.09	N.A.	6.90
80-90	103.46	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	6541.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	221.97
10-20	633.36
20-30	953.42
30-40	1144.00
40-50	1172.57
50-60	1060.19
60-70	803.46
70-80	449.09
80-90	103.46
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-L70-835-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-L70-835-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

X=2H	Y=2H	16.1	17.8	16.5	18.1	18.4	UGR Viewed Endwise	16.1	17.7	16.5	18.0	18.4
	3H	18.0	19.5	18.4	19.8	20.1		17.9	19.4	18.3	19.7	20.1
	4H	18.7	20.1	19.1	20.4	20.8		18.5	19.9	18.9	20.3	20.6
	6H	19.1	20.4	19.6	20.8	21.2		18.9	20.2	19.3	20.6	21.0
	8H	19.3	20.5	19.7	20.9	21.3		19.0	20.3	19.5	20.7	21.1
	12H	19.4	20.5	19.8	20.9	21.3		19.1	20.3	19.5	20.7	21.1

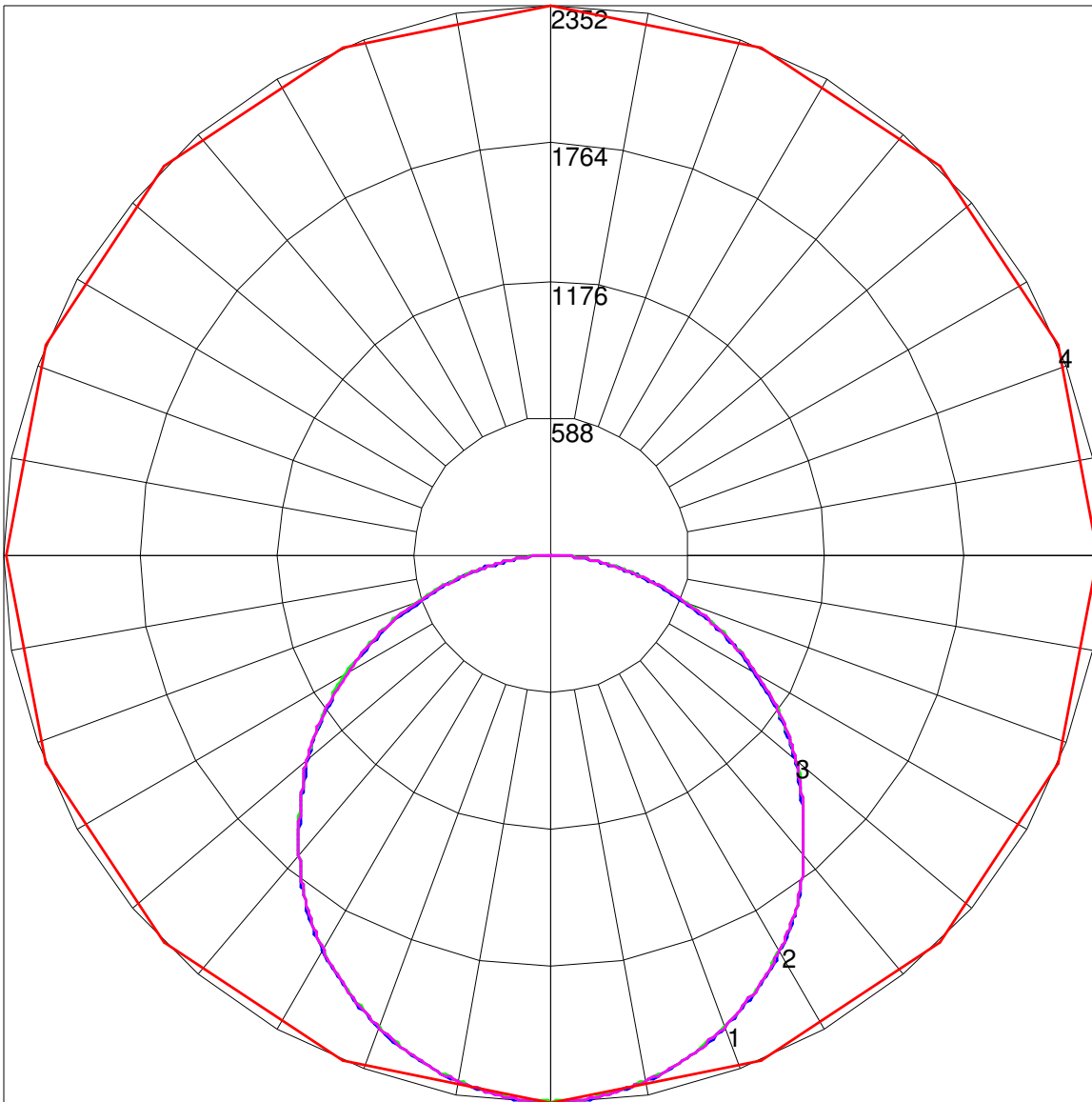
4H	2H	16.8	18.1	17.2	18.5	18.9	16.7	18.1	17.1	18.5	18.8
	3H	18.8	20.0	19.2	20.4	20.8	18.7	19.9	19.1	20.3	20.7
	4H	19.6	20.7	20.0	21.1	21.5	19.5	20.5	19.9	20.9	21.4
	6H	20.2	21.1	20.7	21.6	22.0	20.0	20.9	20.4	21.4	21.8
	8H	20.4	21.3	20.8	21.7	22.2	20.1	21.0	20.6	21.4	21.9
	12H	20.5	21.3	21.0	21.8	22.2	20.2	21.0	20.7	21.5	21.9

8H	4H	19.9	20.7	20.3	21.2	21.7	19.8	20.6	20.2	21.1	21.5
	6H	20.6	21.3	21.1	21.8	22.3	20.4	21.1	20.9	21.6	22.1
	8H	20.8	21.5	21.4	22.0	22.5	20.6	21.2	21.1	21.7	22.2
	12H	21.0	21.6	21.5	22.1	22.6	20.7	21.3	21.2	21.8	22.3

12H	4H	19.9	20.7	20.4	21.2	21.6	19.8	20.6	20.3	21.0	21.5
	6H	20.6	21.3	21.2	21.8	22.3	20.4	21.1	21.0	21.5	22.1
	8H	20.9	21.5	21.4	22.0	22.5	20.7	21.2	21.2	21.7	22.3

Maximum UGR = 22.6

POLAR GRAPH



Maximum Candela = 2351.942 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.)