



IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-24-L70-850-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-L70-850-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	6934
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
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	3475	3432	3467
55	3368	3299	3356
65	3162	3064	3108
75	2770	2589	2631
85	1662	1511	1595

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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	2490.640	2490.640	2490.640	2490.640	2490.640
0.5	2485.804	2490.640	2493.058	2493.058	2493.058
1.0	2485.804	2493.058	2493.058	2493.058	2493.058
1.5	2483.386	2490.640	2490.640	2490.640	2490.640
2.0	2480.968	2490.640	2490.640	2490.640	2488.222
2.5	2480.968	2488.222	2490.640	2490.640	2488.222
3.0	2478.549	2485.804	2488.222	2488.222	2488.222
3.5	2478.549	2485.804	2485.804	2485.804	2485.804
4.0	2476.131	2483.386	2483.386	2483.386	2485.804
4.5	2473.713	2480.968	2480.968	2483.386	2480.968
5.0	2471.295	2476.131	2478.549	2480.968	2480.968
5.5	2466.459	2473.713	2476.131	2478.549	2476.131
6.0	2461.623	2471.295	2473.713	2476.131	2473.713
6.5	2459.205	2466.459	2468.877	2471.295	2473.713
7.0	2456.787	2464.041	2466.459	2468.877	2468.877
7.5	2451.950	2456.787	2461.623	2464.041	2466.459
8.0	2447.114	2454.368	2459.205	2461.623	2461.623
8.5	2442.278	2449.532	2454.368	2456.787	2459.205
9.0	2437.442	2444.696	2449.532	2454.368	2454.368
9.5	2432.606	2442.278	2444.696	2449.532	2449.532
10.0	2427.769	2437.442	2439.860	2444.696	2444.696
10.5	2422.933	2430.188	2435.024	2439.860	2439.860
11.0	2417.372	2425.351	2430.188	2435.024	2437.442
11.5	2412.294	2420.515	2425.351	2430.188	2432.606
12.0	2406.490	2415.437	2418.097	2425.351	2427.769
12.5	2401.654	2408.908	2412.535	2420.515	2422.933
13.0	2396.334	2402.863	2407.699	2413.744	2416.404
13.5	2389.322	2394.883	2401.654	2407.941	2409.875
14.0	2381.826	2389.080	2394.400	2400.929	2403.588
14.5	2373.846	2383.035	2387.871	2394.158	2396.334
15.0	2367.801	2375.539	2380.617	2386.662	2389.080
15.5	2362.239	2367.317	2373.604	2379.649	2382.551
16.0	2354.259	2359.579	2366.350	2371.670	2374.329
16.5	2347.005	2352.325	2359.095	2363.448	2367.075
17.0	2337.333	2346.038	2350.390	2355.226	2358.128
17.5	2329.353	2338.058	2342.652	2346.038	2348.698
18.0	2321.857	2328.869	2333.705	2337.333	2339.751
18.5	2312.426	2320.164	2325.484	2327.177	2329.595
19.0	2304.205	2311.701	2316.295	2317.988	2320.406
19.5	2294.774	2302.754	2306.865	2308.074	2312.184
20.0	2287.036	2294.290	2297.918	2297.434	2302.028
20.5	2277.606	2284.618	2288.487	2287.520	2292.114
21.0	2268.417	2274.704	2278.573	2277.606	2281.716
21.5	2258.744	2264.548	2268.659	2267.933	2271.077
22.0	2247.863	2255.359	2257.777	2257.052	2260.679
22.5	2237.707	2245.445	2246.896	2246.170	2250.523
23.0	2227.793	2235.289	2236.256	2235.531	2240.367
23.5	2218.362	2223.924	2226.100	2223.924	2230.211
24.0	2207.964	2214.251	2214.010	2213.284	2219.571
24.5	2196.841	2204.095	2202.886	2202.886	2208.690
25.0	2186.202	2194.907	2191.038	2192.005	2198.050
25.5	2173.869	2183.783	2180.156	2179.673	2186.443
26.0	2164.197	2172.177	2169.033	2169.033	2175.562
26.5	2153.315	2160.811	2157.184	2157.668	2162.504

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CANDELA TABULATION - (Cont.)

27.0	2143.401	2150.655	2145.819	2145.577	2152.106
27.5	2131.069	2139.290	2133.003	2133.971	2141.709
28.0	2120.671	2128.167	2121.397	2121.880	2130.827
28.5	2108.822	2117.044	2109.548	2109.548	2119.220
29.0	2097.216	2104.953	2097.699	2098.183	2106.888
29.5	2084.883	2092.621	2084.883	2085.850	2094.314
30.0	2073.276	2081.498	2072.309	2074.002	2081.498
30.5	2060.219	2069.649	2059.977	2061.186	2070.616
31.0	2048.612	2057.801	2046.677	2047.886	2056.833
31.5	2036.521	2044.259	2034.103	2035.312	2043.050
32.0	2025.156	2031.201	2021.045	2021.771	2030.234
32.5	2011.857	2018.386	2007.504	2007.988	2018.386
33.0	1998.557	2004.844	1993.237	1995.414	2003.635
33.5	1984.774	1991.787	1979.696	1980.663	1990.577
34.0	1971.958	1977.036	1965.187	1966.638	1977.278
34.5	1958.175	1961.802	1950.921	1952.613	1961.802
35.0	1944.150	1947.535	1935.445	1937.621	1947.294
35.5	1930.609	1933.510	1919.485	1921.420	1932.543
36.0	1915.133	1918.035	1904.010	1905.702	1917.067
36.5	1898.932	1902.317	1888.050	1889.985	1902.317
37.0	1884.423	1886.357	1872.091	1873.783	1885.390
37.5	1868.705	1868.947	1855.889	1857.340	1869.189
38.0	1852.262	1852.746	1839.446	1841.139	1852.988
38.5	1836.061	1836.303	1822.278	1824.454	1835.094
39.0	1818.409	1819.134	1805.351	1808.011	1818.651
39.5	1802.933	1801.240	1788.425	1791.084	1800.031
40.0	1786.974	1784.314	1771.256	1773.916	1783.830
40.5	1768.354	1767.145	1754.088	1756.989	1767.629
41.0	1751.669	1750.702	1736.919	1739.579	1750.702
41.5	1734.017	1733.534	1719.751	1722.169	1734.743
42.0	1716.849	1715.398	1702.098	1705.726	1716.607
42.5	1701.373	1697.988	1684.446	1688.799	1699.922
43.0	1683.963	1680.577	1667.762	1671.389	1683.237
43.5	1668.003	1664.376	1650.593	1654.220	1667.036
44.0	1653.011	1646.966	1633.666	1637.293	1651.318
44.5	1636.810	1628.830	1616.981	1620.367	1633.425
45.0	1620.367	1612.629	1600.297	1603.924	1616.498
45.5	1604.407	1594.977	1583.612	1586.272	1600.297
46.0	1588.448	1578.534	1566.201	1570.312	1583.612
46.5	1571.038	1561.849	1548.308	1552.418	1566.443
47.0	1553.627	1544.922	1532.832	1535.733	1548.791
47.5	1536.701	1527.270	1514.696	1519.049	1531.623
48.0	1520.741	1510.102	1499.946	1505.024	1516.872
48.5	1506.474	1498.978	1488.097	1492.208	1502.122
49.0	1492.449	1483.503	1469.961	1474.797	1487.613
49.5	1475.523	1465.609	1452.309	1456.662	1471.170
50.0	1457.387	1447.231	1434.415	1439.010	1453.276
50.5	1439.493	1429.337	1416.038	1420.874	1434.173
51.0	1420.632	1411.443	1397.660	1402.496	1415.796
51.5	1402.496	1393.066	1379.041	1384.119	1397.902
52.0	1383.635	1374.446	1360.180	1365.499	1380.492
52.5	1365.983	1355.343	1341.802	1346.880	1362.114
53.0	1348.331	1335.999	1323.424	1328.744	1342.769
53.5	1329.712	1317.379	1304.563	1309.883	1324.392
54.0	1311.334	1298.518	1285.702	1291.506	1306.256
54.5	1291.989	1279.415	1266.599	1272.403	1288.120

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55.0	1273.854	1259.829	1247.496	1253.300	1269.259
55.5	1255.476	1240.726	1228.393	1233.955	1249.431
56.0	1236.857	1221.139	1209.532	1215.094	1230.811
56.5	1218.721	1201.794	1189.462	1195.749	1211.467
57.0	1199.376	1182.449	1170.117	1175.679	1191.880
57.5	1179.548	1163.105	1150.772	1156.334	1173.019
58.0	1159.719	1143.034	1131.669	1136.989	1152.707
58.5	1140.375	1123.206	1112.083	1117.644	1132.395
59.0	1120.546	1104.103	1092.496	1098.300	1110.874
59.5	1100.960	1084.758	1072.426	1078.713	1091.287
60.0	1081.131	1065.414	1052.839	1059.368	1070.733
60.5	1061.061	1046.069	1033.495	1039.540	1050.180
61.0	1041.716	1025.999	1013.666	1019.228	1029.384
61.5	1021.404	1006.412	994.080	998.674	1009.072
62.0	1001.092	987.067	974.251	978.120	988.760
62.5	980.538	967.481	954.665	957.566	968.448
63.0	959.985	947.169	934.353	937.013	948.136
63.5	940.640	926.857	914.766	916.459	927.582
64.0	921.053	906.303	894.696	895.905	907.028
64.5	901.225	885.991	874.142	875.109	886.716
65.0	881.155	865.437	853.830	854.314	866.162
65.5	860.843	844.883	833.760	833.034	845.367
66.0	840.772	824.329	813.690	811.997	824.813
66.5	820.702	803.534	793.136	791.201	804.017
67.0	800.148	782.980	772.098	770.406	782.980
67.5	780.078	762.668	751.303	749.368	761.942
68.0	759.282	742.356	730.265	727.847	740.905
68.5	738.970	721.318	709.470	707.052	719.867
69.0	719.142	700.523	688.432	686.014	698.346
69.5	698.830	680.453	667.395	665.218	677.309
70.0	678.034	659.899	646.357	644.665	656.755
70.5	657.239	639.828	625.562	623.869	635.718
71.0	636.201	619.516	604.766	603.073	614.680
71.5	615.164	599.446	583.970	582.520	593.159
72.0	595.094	579.376	563.658	561.966	572.364
72.5	574.056	559.064	542.621	541.654	551.810
73.0	553.019	539.236	522.309	520.858	531.498
73.5	532.949	519.165	501.997	500.546	510.944
74.0	512.637	499.095	481.927	480.718	489.906
74.5	492.808	479.267	461.615	460.889	469.594
75.0	472.738	459.438	441.786	440.819	449.041
75.5	452.910	439.852	421.958	420.749	429.212
76.0	433.323	420.265	402.130	400.679	408.175
76.5	413.978	400.437	382.543	380.367	387.379
77.0	394.633	380.850	363.198	359.813	366.100
77.5	375.047	361.264	343.853	339.501	344.579
78.0	356.186	342.161	324.509	319.189	323.541
78.5	336.599	322.574	305.406	298.877	301.295
79.0	317.496	302.988	286.303	278.323	278.081
79.5	297.910	284.126	267.442	257.286	252.933
80.0	279.048	265.265	248.822	235.039	230.686
80.5	259.945	246.404	229.961	212.793	214.969
81.0	241.084	228.027	211.583	195.140	200.702
81.5	221.981	209.891	192.964	180.874	186.435
82.0	203.120	191.997	174.828	167.091	172.410
82.5	184.743	174.345	156.451	153.549	158.627

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CANDELA TABULATION - (Cont.)

83.0	166.123	156.934	139.524	140.008	145.086
83.5	147.746	139.766	125.257	126.708	131.544
84.0	129.610	123.081	112.200	113.651	117.761
84.5	112.200	107.122	99.384	100.835	104.704
85.0	95.515	92.129	86.810	88.019	91.646
85.5	80.764	78.346	74.477	75.445	78.830
86.0	67.465	65.772	62.629	63.354	66.014
86.5	55.616	54.165	51.022	51.264	53.198
87.0	45.218	43.042	40.140	39.657	40.866
87.5	35.788	33.128	29.501	28.050	28.292
88.0	27.566	24.181	20.070	16.443	14.750
88.5	20.070	16.927	12.332	7.980	6.045
89.0	13.058	10.881	6.529	4.353	3.869
89.5	7.254	6.287	3.385	2.660	2.660
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-L70-850-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-L70-850-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-L70-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	906.65	N.A.	13.10
0-30	1917.27	N.A.	27.70
0-40	3129.91	N.A.	45.10
0-60	5496.64	N.A.	79.30
0-80	6824.35	N.A.	98.40
0-90	6934.01	N.A.	100.00
10-90	6698.72	N.A.	96.60
20-40	2223.26	N.A.	32.10
20-50	3466.19	N.A.	50.00
40-70	3218.4	N.A.	46.40
60-80	1327.71	N.A.	19.10
70-80	476.04	N.A.	6.90
80-90	109.66	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	6934.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.29
10-20	671.36
20-30	1010.62
30-40	1212.64
40-50	1242.93
50-60	1123.81
60-70	851.67
70-80	476.04
80-90	109.66
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-L70-850-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-L70-850-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	16.3	18.0	16.7	18.3	18.6	16.3	17.9	16.7	18.2	18.6
	3H	18.2	19.7	18.6	20.0	20.3	18.1	19.6	18.5	19.9	20.3
	4H	18.9	20.2	19.3	20.6	21.0	18.7	20.1	19.1	20.5	20.8
	6H	19.3	20.6	19.8	21.0	21.4	19.1	20.4	19.5	20.8	21.2
	8H	19.5	20.7	19.9	21.1	21.5	19.2	20.5	19.7	20.9	21.3
	12H	19.5	20.7	20.0	21.1	21.5	19.3	20.5	19.7	20.9	21.3

UGR Viewed Endwise

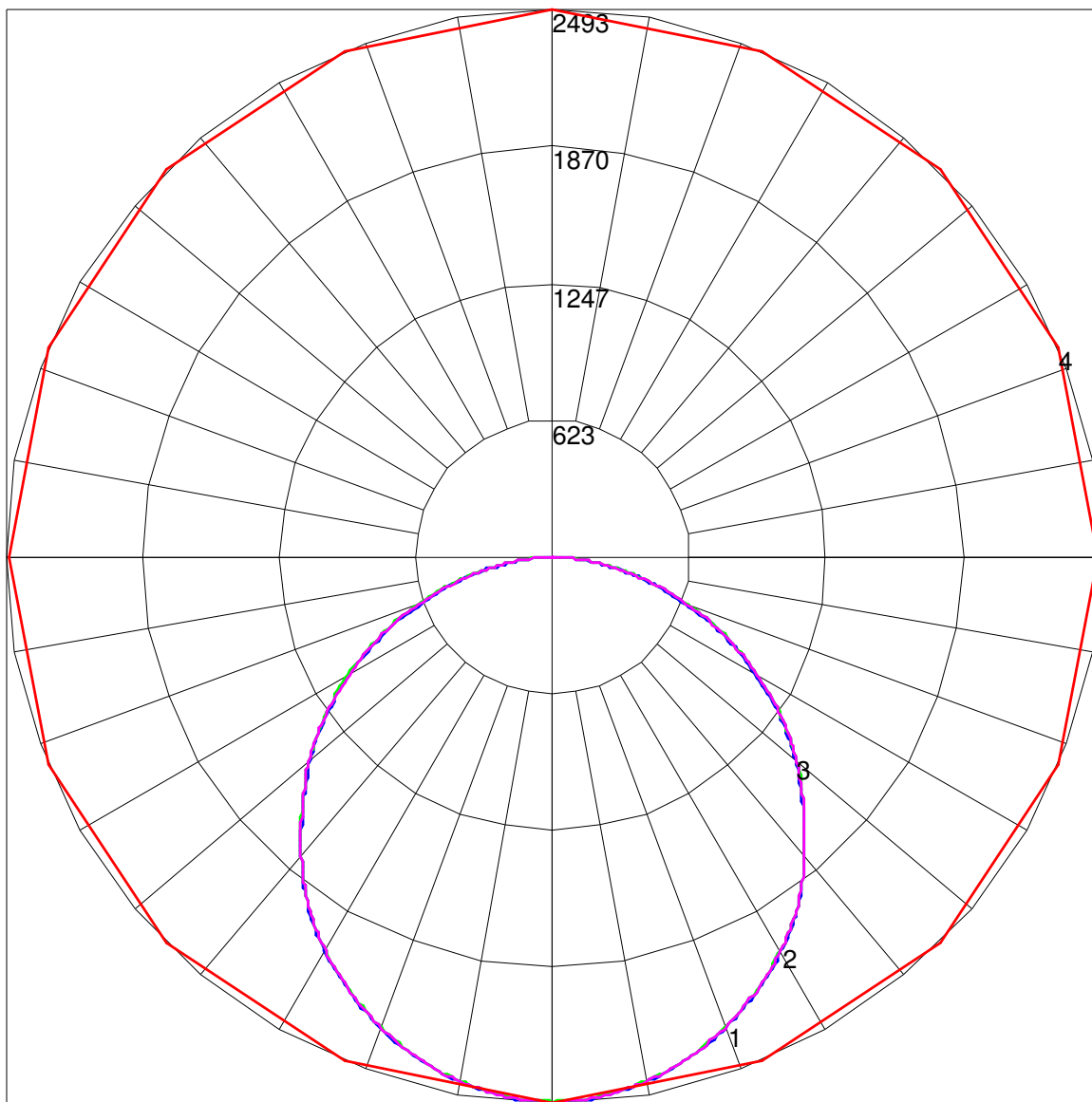
4H	2H	17.0	18.3	17.4	18.7	19.1	16.9	18.3	17.3	18.7	19.0
	3H	19.0	20.2	19.4	20.6	21.0	18.9	20.1	19.3	20.5	20.9
	4H	19.8	20.9	20.2	21.3	21.7	19.7	20.7	20.1	21.1	21.6
	6H	20.4	21.3	20.9	21.8	22.2	20.2	21.1	20.6	21.6	22.0
	8H	20.6	21.5	21.0	21.9	22.4	20.3	21.2	20.8	21.6	22.1
	12H	20.7	21.5	21.2	22.0	22.4	20.4	21.2	20.9	21.7	22.1

8H	4H	20.1	20.9	20.5	21.4	21.9	20.0	20.8	20.4	21.3	21.7
	6H	20.8	21.5	21.3	22.0	22.5	20.6	21.3	21.1	21.8	22.3
	8H	21.0	21.7	21.5	22.2	22.7	20.8	21.4	21.3	21.9	22.4
	12H	21.2	21.8	21.7	22.3	22.8	20.9	21.5	21.4	22.0	22.5

12H	4H	20.1	20.9	20.6	21.4	21.8	20.0	20.8	20.5	21.2	21.7
	6H	20.8	21.5	21.4	21.9	22.5	20.6	21.3	21.2	21.7	22.3
	8H	21.1	21.7	21.6	22.2	22.7	20.9	21.4	21.4	21.9	22.5

Maximum UGR = 22.8

POLAR GRAPH



Maximum Candela = 2493.058 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.)