



IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-24-L70-830-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-L70-830-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	6476
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
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	3246	3206	3238
55	3146	3081	3134
65	2953	2862	2903
75	2587	2418	2457
85	1552	1411	1489

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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	2326.164	2326.164	2326.164	2326.164	2326.164
0.5	2321.647	2326.164	2328.423	2328.423	2328.423
1.0	2321.647	2328.423	2328.423	2328.423	2328.423
1.5	2319.389	2326.164	2326.164	2326.164	2326.164
2.0	2317.131	2326.164	2326.164	2326.164	2323.906
2.5	2317.131	2323.906	2326.164	2326.164	2323.906
3.0	2314.872	2321.647	2323.906	2323.906	2323.906
3.5	2314.872	2321.647	2321.647	2321.647	2321.647
4.0	2312.614	2319.389	2319.389	2319.389	2321.647
4.5	2310.355	2317.131	2317.131	2319.389	2317.131
5.0	2308.097	2312.614	2314.872	2317.131	2317.131
5.5	2303.580	2310.355	2312.614	2314.872	2312.614
6.0	2299.063	2308.097	2310.355	2312.614	2310.355
6.5	2296.805	2303.580	2305.839	2308.097	2310.355
7.0	2294.546	2301.322	2303.580	2305.839	2305.839
7.5	2290.030	2294.546	2299.063	2301.322	2303.580
8.0	2285.513	2292.288	2296.805	2299.063	2299.063
8.5	2280.996	2287.771	2292.288	2294.546	2296.805
9.0	2276.479	2283.254	2287.771	2292.288	2292.288
9.5	2271.962	2280.996	2283.254	2287.771	2287.771
10.0	2267.446	2276.479	2278.738	2283.254	2283.254
10.5	2262.929	2269.704	2274.221	2278.738	2278.738
11.0	2257.734	2265.187	2269.704	2274.221	2276.479
11.5	2252.992	2260.670	2265.187	2269.704	2271.962
12.0	2247.572	2255.928	2258.412	2265.187	2267.446
12.5	2243.055	2249.830	2253.218	2260.670	2262.929
13.0	2238.086	2244.184	2248.701	2254.347	2256.831
13.5	2231.537	2236.731	2243.055	2248.927	2250.733
14.0	2224.536	2231.311	2236.279	2242.377	2244.861
14.5	2217.083	2225.665	2230.182	2236.054	2238.086
15.0	2211.437	2218.664	2223.407	2229.053	2231.311
15.5	2206.243	2210.985	2216.857	2222.503	2225.213
16.0	2198.790	2203.758	2210.082	2215.050	2217.535
16.5	2192.015	2196.983	2203.307	2207.372	2210.759
17.0	2182.981	2191.111	2195.176	2199.693	2202.403
17.5	2175.528	2183.658	2187.949	2191.111	2193.595
18.0	2168.527	2175.076	2179.593	2182.981	2185.239
18.5	2159.719	2166.946	2171.915	2173.496	2175.754
19.0	2152.041	2159.042	2163.333	2164.914	2167.172
19.5	2143.233	2150.686	2154.525	2155.654	2159.493
20.0	2136.006	2142.781	2146.169	2145.717	2150.008
20.5	2127.198	2133.748	2137.361	2136.458	2140.749
21.0	2118.616	2124.488	2128.102	2127.198	2131.037
21.5	2109.583	2115.003	2118.842	2118.165	2121.100
22.0	2099.420	2106.421	2108.679	2108.002	2111.389
22.5	2089.934	2097.161	2098.516	2097.839	2101.904
23.0	2080.675	2087.676	2088.579	2087.902	2092.419
23.5	2071.867	2077.061	2079.094	2077.061	2082.933
24.0	2062.156	2068.028	2067.802	2067.124	2072.996
24.5	2051.767	2058.542	2057.413	2057.413	2062.833
25.0	2041.830	2049.960	2046.347	2047.250	2052.896
25.5	2030.312	2039.572	2036.184	2035.732	2042.056
26.0	2021.279	2028.731	2025.795	2025.795	2031.893
26.5	2011.116	2018.117	2014.729	2015.181	2019.698

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CANDELA TABULATION - (Cont.)

27.0	2001.856	2008.632	2004.115	2003.889	2009.987
27.5	1990.338	1998.017	1992.145	1993.048	2000.275
28.0	1980.627	1987.628	1981.305	1981.756	1990.113
28.5	1969.561	1977.240	1970.239	1970.239	1979.272
29.0	1958.721	1965.948	1959.172	1959.624	1967.754
29.5	1947.203	1954.430	1947.203	1948.106	1956.011
30.0	1936.362	1944.041	1935.459	1937.040	1944.041
30.5	1924.167	1932.975	1923.941	1925.070	1933.878
31.0	1913.327	1921.909	1911.520	1912.649	1921.005
31.5	1902.034	1909.261	1899.776	1900.905	1908.132
32.0	1891.420	1897.066	1887.581	1888.258	1896.163
32.5	1878.999	1885.096	1874.934	1875.385	1885.096
33.0	1866.577	1872.449	1861.609	1863.641	1871.320
33.5	1853.704	1860.254	1848.962	1849.865	1859.125
34.0	1841.735	1846.478	1835.411	1836.766	1846.703
34.5	1828.862	1832.250	1822.087	1823.668	1832.250
35.0	1815.763	1818.925	1807.633	1809.665	1818.699
35.5	1803.116	1805.826	1792.727	1794.534	1804.923
36.0	1788.662	1791.372	1778.274	1779.854	1790.469
36.5	1773.531	1776.693	1763.368	1765.175	1776.693
37.0	1759.980	1761.787	1748.462	1750.043	1760.884
37.5	1745.301	1745.527	1733.331	1734.686	1745.752
38.0	1729.944	1730.395	1717.974	1719.555	1730.621
38.5	1714.812	1715.038	1701.939	1703.972	1713.909
39.0	1698.326	1699.003	1686.130	1688.615	1698.552
39.5	1683.872	1682.291	1670.321	1672.806	1681.162
40.0	1668.966	1666.482	1654.287	1656.771	1666.030
40.5	1651.577	1650.447	1638.252	1640.962	1650.899
41.0	1635.994	1635.090	1622.217	1624.702	1635.090
41.5	1619.507	1619.055	1606.183	1608.441	1620.185
42.0	1603.472	1602.117	1589.696	1593.084	1603.247
42.5	1589.019	1585.857	1573.210	1577.275	1587.664
43.0	1572.758	1569.596	1557.627	1561.014	1572.081
43.5	1557.853	1554.465	1541.592	1544.980	1556.949
44.0	1543.850	1538.204	1525.783	1529.171	1542.269
44.5	1528.719	1521.266	1510.200	1513.362	1525.557
45.0	1513.362	1506.135	1494.617	1498.005	1509.748
45.5	1498.456	1489.648	1479.034	1481.518	1494.617
46.0	1483.551	1474.291	1462.773	1466.613	1479.034
46.5	1467.290	1458.708	1446.061	1449.900	1462.999
47.0	1451.030	1442.899	1431.607	1434.317	1446.513
47.5	1435.221	1426.413	1414.669	1418.734	1430.478
48.0	1420.315	1410.378	1400.893	1405.636	1416.702
48.5	1406.991	1399.990	1389.827	1393.666	1402.925
49.0	1393.892	1385.536	1372.889	1377.405	1389.375
49.5	1378.083	1368.823	1356.402	1360.467	1374.018
50.0	1361.145	1351.660	1339.690	1343.981	1357.306
50.5	1344.433	1334.947	1322.526	1327.043	1339.464
51.0	1326.817	1318.235	1305.362	1309.879	1322.300
51.5	1309.879	1301.071	1287.972	1292.715	1305.588
52.0	1292.263	1283.681	1270.357	1275.325	1289.327
52.5	1275.777	1265.840	1253.193	1257.935	1272.163
53.0	1259.290	1247.773	1236.029	1240.997	1254.096
53.5	1241.901	1230.383	1218.413	1223.382	1236.932
54.0	1224.737	1212.767	1200.798	1206.218	1219.994
54.5	1206.669	1194.926	1182.956	1188.376	1203.056

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55.0	1189.731	1176.633	1165.115	1170.535	1185.440
55.5	1172.567	1158.791	1147.273	1152.468	1166.921
56.0	1155.178	1140.498	1129.658	1134.852	1149.532
56.5	1138.240	1122.431	1110.913	1116.785	1131.464
57.0	1120.172	1104.363	1092.846	1098.040	1113.171
57.5	1101.653	1086.296	1074.778	1079.973	1095.556
58.0	1083.134	1067.551	1056.937	1061.905	1076.585
58.5	1065.067	1049.032	1038.644	1043.838	1057.614
59.0	1046.548	1031.191	1020.350	1025.771	1037.514
59.5	1028.255	1013.124	1001.606	1007.478	1019.221
60.0	1009.736	995.056	983.313	989.410	1000.025
60.5	990.991	976.989	965.245	970.891	980.828
61.0	972.924	958.244	946.726	951.921	961.406
61.5	953.953	939.951	928.433	932.724	942.435
62.0	934.983	921.884	909.914	913.528	923.465
62.5	915.786	903.591	891.621	894.331	904.494
63.0	896.590	884.620	872.650	875.135	885.523
63.5	878.522	865.649	854.357	855.938	866.327
64.0	860.229	846.453	835.612	836.742	847.130
64.5	841.710	827.482	816.416	817.319	828.160
65.0	822.965	808.286	797.445	797.897	808.963
65.5	803.995	789.089	778.700	778.023	789.541
66.0	785.250	769.893	759.956	758.375	770.344
66.5	766.505	750.470	740.759	738.952	750.922
67.0	747.308	731.274	721.111	719.530	731.274
67.5	728.564	712.303	701.689	699.882	711.626
68.0	709.141	693.332	682.040	679.782	691.977
68.5	690.171	673.684	662.618	660.360	672.329
69.0	671.652	654.262	642.970	640.711	652.229
69.5	652.681	635.517	623.322	621.289	632.581
70.0	633.259	616.321	603.673	602.093	613.385
70.5	613.836	597.576	584.251	582.670	593.736
71.0	594.188	578.605	564.829	563.248	574.088
71.5	574.540	559.860	545.406	544.051	553.988
72.0	555.795	541.115	526.436	524.855	534.566
72.5	536.147	522.145	506.788	505.884	515.370
73.0	516.499	503.626	487.817	486.462	496.399
73.5	497.754	484.881	468.846	467.491	477.202
74.0	478.783	466.136	450.101	448.972	457.554
74.5	460.264	447.617	431.131	430.453	438.584
75.0	441.520	429.098	412.612	411.708	419.387
75.5	423.001	410.805	394.093	392.964	400.868
76.0	404.707	392.512	375.574	374.219	381.220
76.5	386.640	373.993	357.281	355.248	361.798
77.0	368.573	355.700	339.213	336.052	341.924
77.5	350.280	337.407	321.146	317.081	321.824
78.0	332.664	319.565	303.079	298.110	302.176
78.5	314.371	301.272	285.237	279.140	281.398
79.0	296.529	282.979	267.396	259.943	259.717
79.5	278.236	265.363	249.780	240.295	236.230
80.0	260.621	247.748	232.391	219.518	215.452
80.5	242.779	230.132	214.775	198.740	200.773
81.0	225.164	212.968	197.611	182.254	187.448
81.5	207.322	196.030	180.221	168.929	174.124
82.0	189.707	179.318	163.283	156.056	161.025
82.5	172.543	162.831	146.119	143.409	148.152

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CANDELA TABULATION - (Cont.)

83.0	155.153	146.571	130.310	130.762	135.505
83.5	137.989	130.536	116.986	118.341	122.858
84.0	121.051	114.953	104.790	106.145	109.985
84.5	104.790	100.048	92.821	94.176	97.789
85.0	89.207	86.045	81.077	82.206	85.594
85.5	75.431	73.173	69.559	70.462	73.624
86.0	63.010	61.429	58.493	59.170	61.655
86.5	51.943	50.588	47.652	47.878	49.685
87.0	42.232	40.200	37.490	37.038	38.167
87.5	33.424	30.940	27.553	26.198	26.423
88.0	25.746	22.584	18.745	15.357	13.776
88.5	18.745	15.809	11.518	7.453	5.646
89.0	12.195	10.163	6.098	4.065	3.613
89.5	6.775	5.872	3.162	2.484	2.484
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-L70-830-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-L70-830-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-L70-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	846.77	N.A.	13.10
0-30	1790.65	N.A.	27.70
0-40	2923.22	N.A.	45.10
0-60	5133.66	N.A.	79.30
0-80	6373.69	N.A.	98.40
0-90	6476.11	N.A.	100.00
10-90	6256.36	N.A.	96.60
20-40	2076.44	N.A.	32.10
20-50	3237.29	N.A.	50.00
40-70	3005.87	N.A.	46.40
60-80	1240.03	N.A.	19.10
70-80	444.60	N.A.	6.90
80-90	102.42	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	6476.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	219.75
10-20	627.02
20-30	943.88
30-40	1132.56
40-50	1160.85
50-60	1049.59
60-70	795.43
70-80	444.60
80-90	102.42
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-L70-830-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-L70-830-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	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	19.3	20.5	19.8	20.9	21.3	19.1	20.3	19.5	20.7	21.1

UGR Viewed Endwise

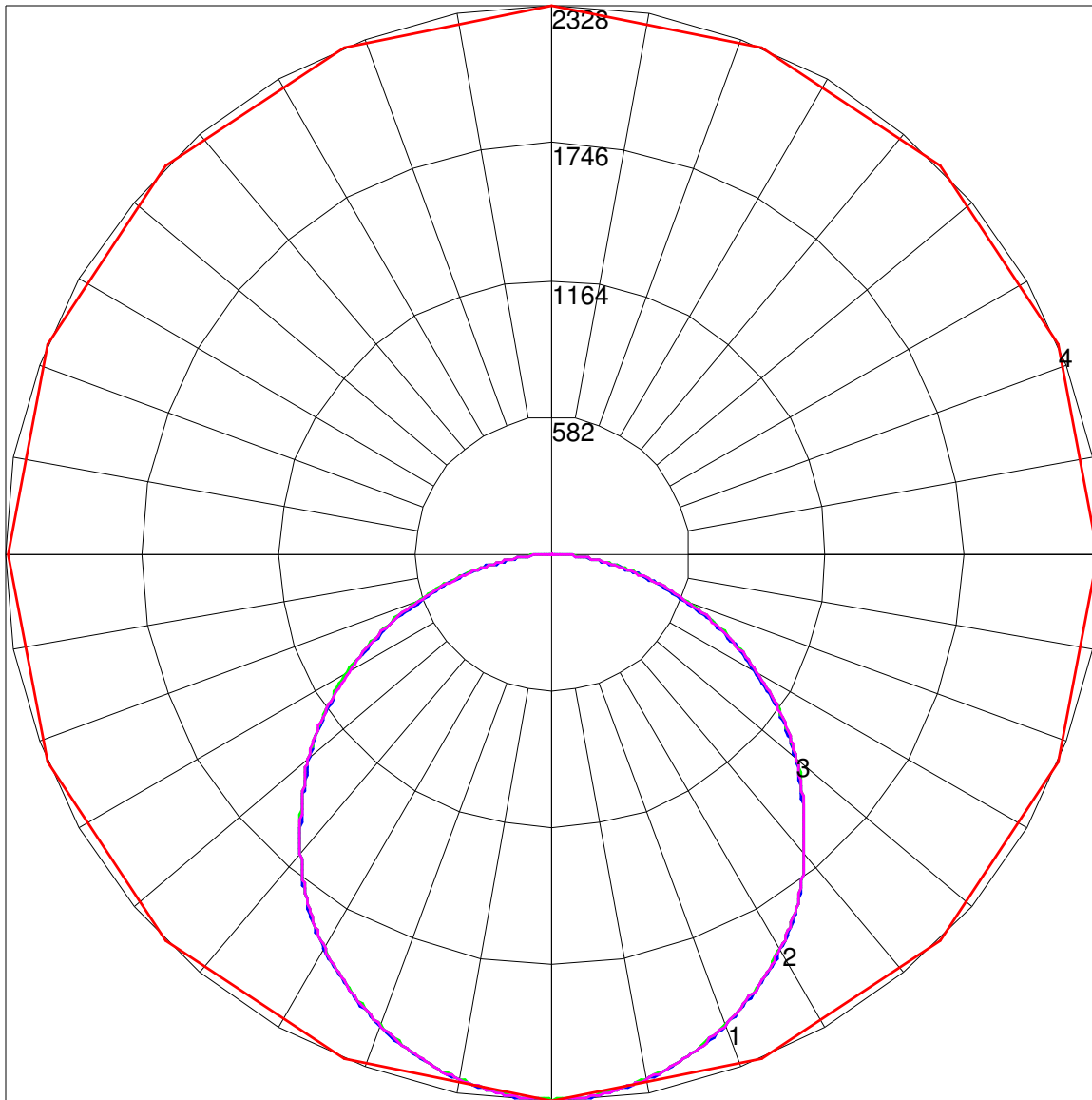
4H	2H	16.8	18.1	17.2	18.5	18.9	16.7	18.1	17.1	18.5	18.8
	3H	18.8	20.0	19.2	20.4	20.8	18.7	19.9	19.1	20.3	20.7
	4H	19.6	20.7	20.0	21.1	21.5	19.5	20.5	19.9	20.9	21.4
	6H	20.2	21.1	20.7	21.6	22.0	20.0	20.9	20.4	21.4	21.8
	8H	20.4	21.3	20.8	21.7	22.2	20.1	21.0	20.6	21.4	21.9
	12H	20.5	21.3	21.0	21.8	22.2	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	21.3	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	21.7	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 = 2328.423 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.)