

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-14-L55-850-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15060098.02

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 29 Nov, 2023

[TEST DATE] 11/21/2023

[MANUFAC] H E Williams Inc

[LUMCAT] APC-14-L55-850-DIM-UNV

[LUMINAIRE] White Recessed 1 X 4 Luminaire with arched center and center

[MORE] fin media

[LAMP] 168 LEDs

[BALLAST] Advance/ Signify 49w Certadrive X C1049C102V048CDX1

[OTHER] 25.6 C, 120.019 V, 0.370958 A, 44.1298 W, 0.99119 PF, 59.9697

[MORE] Hz

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

[OTHER] The reported results were measured in a facility that meets th

[MORE] e requirements of ANSI/IES LM-75-19. The device under test emits no de

[MORE] tectable uplight as defined by ANSI/IES LM-75-19

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5207
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	44.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	0.87 ft
Luminous Height	0.00 ft

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6174	5612	5407
55	5982	5170	4856
65	5722	4562	3871
75	5323	3057	2421
85	4272	1201	955

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**PHOTOMETRIC FILENAME : APC-14-L55-850-DIM-UNV\_.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2017.966	2017.966	2017.966	2017.966	2017.966
0.5	2025.381	2020.085	2012.670	2019.026	2025.381
1.0	2027.500	2017.966	2011.611	2019.026	2026.441
1.5	2027.500	2019.026	2008.433	2015.848	2026.441
2.0	2023.263	2015.848	2010.551	2015.848	2024.322
2.5	2025.381	2013.729	2007.373	2015.848	2019.026
3.0	2024.322	2014.788	2007.373	2013.729	2019.026
3.5	2022.204	2013.729	2005.255	2013.729	2019.026
4.0	2022.204	2010.551	2004.195	2010.551	2014.788
4.5	2022.204	2010.551	2001.018	2007.373	2013.729
5.0	2019.026	2007.373	1999.958	2007.373	2012.670
5.5	2016.907	2006.314	1999.958	2007.373	2009.492
6.0	2016.907	2006.314	1994.662	2002.077	2006.314
6.5	2012.670	2002.077	1992.543	2001.018	2003.136
7.0	2006.314	1997.840	1990.425	1997.840	2003.136
7.5	2005.255	1994.662	1984.069	1992.543	1997.840
8.0	2004.195	1989.365	1980.891	1988.306	1993.602
8.5	1996.780	1988.306	1979.832	1985.128	1990.425
9.0	1995.721	1985.128	1975.594	1981.950	1988.306
9.5	1992.543	1979.832	1971.357	1977.713	1984.069
10.0	1985.128	1976.654	1969.239	1973.476	1976.654
10.5	1981.950	1972.416	1963.942	1967.120	1972.416
11.0	1980.891	1968.179	1958.646	1963.942	1969.239
11.5	1974.535	1961.823	1953.349	1958.646	1959.705
12.0	1969.239	1956.527	1948.053	1953.349	1957.586
12.5	1963.942	1952.290	1943.815	1948.053	1952.290
13.0	1955.468	1946.993	1938.519	1940.638	1944.875
13.5	1951.231	1942.756	1933.222	1934.282	1936.400
14.0	1949.112	1937.460	1925.807	1926.867	1928.985
14.5	1946.993	1934.282	1920.511	1918.392	1921.570
15.0	1939.578	1927.926	1913.096	1912.036	1915.214
15.5	1934.282	1921.570	1904.621	1903.562	1905.681
16.0	1927.926	1917.333	1898.266	1894.028	1897.206
16.5	1919.452	1909.918	1891.910	1884.495	1888.732
17.0	1913.096	1900.384	1885.554	1878.139	1881.317
17.5	1907.799	1892.969	1876.020	1868.605	1872.842
18.0	1902.503	1888.732	1866.487	1858.012	1862.249
18.5	1895.088	1880.257	1860.131	1849.538	1849.538
19.0	1887.673	1874.961	1851.656	1842.123	1841.063
19.5	1883.435	1868.605	1842.123	1831.530	1830.470
20.0	1872.842	1859.071	1832.589	1819.877	1818.818
20.5	1868.605	1851.656	1821.996	1810.344	1809.284
21.0	1858.012	1845.301	1814.581	1799.751	1798.691
21.5	1852.716	1834.708	1807.166	1789.158	1788.098
22.0	1844.241	1829.411	1797.632	1779.624	1778.565
22.5	1832.589	1815.640	1787.039	1769.031	1767.972
23.0	1825.174	1807.166	1776.446	1757.379	1759.497
23.5	1816.699	1800.810	1766.912	1747.845	1748.904
24.0	1809.284	1791.276	1755.260	1738.311	1733.015
24.5	1798.691	1783.861	1744.667	1727.718	1722.422
25.0	1792.336	1772.209	1734.074	1716.066	1711.829
25.5	1784.920	1764.794	1723.481	1704.414	1703.354
26.0	1776.446	1756.319	1711.829	1694.880	1692.761
26.5	1765.853	1744.667	1700.176	1681.109	1682.168

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**CANDELA TABULATION - (Cont.)**

27.0	1757.379	1734.074	1688.524	1671.575	1670.516
27.5	1743.608	1724.540	1678.990	1660.982	1658.864
28.0	1735.133	1715.007	1668.397	1647.211	1646.152
28.5	1727.718	1705.473	1656.745	1635.559	1633.441
29.0	1717.125	1693.821	1646.152	1624.966	1621.788
29.5	1704.414	1683.228	1633.441	1611.195	1609.077
30.0	1696.999	1672.635	1621.788	1598.484	1596.365
30.5	1684.287	1659.923	1610.136	1586.831	1582.594
31.0	1677.931	1647.211	1598.484	1574.120	1569.883
31.5	1666.279	1636.618	1584.713	1562.467	1557.171
32.0	1654.627	1624.966	1572.001	1549.756	1543.400
32.5	1647.211	1614.373	1559.290	1537.044	1531.748
33.0	1632.381	1603.780	1548.697	1522.214	1516.918
33.5	1622.848	1590.009	1535.985	1510.562	1503.147
34.0	1613.314	1578.357	1522.214	1496.791	1489.376
34.5	1599.543	1565.645	1510.562	1484.079	1475.605
35.0	1587.891	1555.052	1495.732	1469.249	1461.834
35.5	1579.416	1543.400	1485.139	1456.537	1450.182
36.0	1565.645	1528.570	1470.308	1442.767	1437.470
36.5	1552.934	1516.918	1456.537	1428.996	1421.581
37.0	1543.400	1504.206	1442.767	1415.225	1409.928
37.5	1530.688	1490.435	1428.996	1400.395	1396.157
38.0	1516.918	1476.664	1415.225	1385.564	1380.268
38.5	1504.206	1462.893	1401.454	1372.853	1367.556
39.0	1492.554	1451.241	1388.742	1358.023	1353.785
39.5	1478.783	1438.529	1377.090	1343.192	1338.955
40.0	1468.190	1426.877	1361.200	1329.421	1323.066
40.5	1453.360	1412.047	1346.370	1315.651	1307.176
41.0	1441.707	1397.217	1331.540	1300.820	1292.346
41.5	1428.996	1383.446	1318.828	1287.049	1278.575
42.0	1416.284	1369.675	1305.058	1270.101	1263.745
42.5	1403.572	1355.904	1289.168	1255.270	1248.915
43.0	1389.802	1341.074	1274.338	1240.440	1233.025
43.5	1378.149	1325.184	1259.508	1225.610	1217.136
44.0	1366.497	1311.413	1245.737	1211.839	1203.365
44.5	1351.667	1298.702	1229.847	1198.068	1188.535
45.0	1338.955	1283.872	1217.136	1183.238	1172.645
45.5	1326.244	1271.160	1202.305	1166.289	1154.637
46.0	1311.413	1255.270	1187.475	1149.340	1139.807
46.5	1297.642	1242.559	1173.704	1134.510	1126.036
47.0	1283.872	1227.729	1158.874	1119.680	1108.028
47.5	1270.101	1212.898	1141.925	1103.791	1093.198
48.0	1255.270	1197.009	1128.154	1088.960	1078.367
48.5	1242.559	1184.297	1112.265	1073.071	1060.359
49.0	1227.729	1169.467	1096.375	1056.758	1045.105
49.5	1213.958	1152.518	1080.486	1040.762	1028.686
50.0	1199.128	1138.747	1065.656	1025.190	1013.644
50.5	1185.357	1122.858	1051.249	1009.831	998.072
51.0	1169.467	1108.028	1035.995	994.047	981.124
51.5	1154.637	1093.198	1020.000	979.217	965.870
52.0	1140.866	1077.308	1004.958	962.904	950.722
52.5	1128.154	1061.419	989.280	947.014	934.832
53.0	1112.265	1046.271	972.437	931.337	918.413
53.5	1097.435	1030.699	957.183	914.706	901.146
54.0	1083.664	1015.657	940.552	898.922	884.410
54.5	1066.715	1000.721	924.769	882.503	869.685

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-14-L55-850-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	1052.414	984.302	909.515	867.037	854.325
55.5	1037.478	969.577	893.943	850.300	836.741
56.0	1021.907	954.535	878.477	834.834	819.898
56.5	1005.170	937.904	862.906	818.627	802.632
57.0	990.975	922.227	847.546	801.466	787.272
57.5	977.734	906.549	831.127	785.471	770.323
58.0	962.162	890.871	814.602	768.734	751.679
58.5	945.001	874.664	798.606	752.103	735.154
59.0	929.218	858.880	782.081	735.472	716.299
59.5	913.011	842.673	766.298	718.947	698.291
60.0	898.074	826.678	749.878	701.045	681.024
60.5	883.032	811.000	734.519	684.202	663.016
61.0	866.401	794.687	717.994	665.664	644.478
61.5	850.724	778.480	702.316	647.232	627.000
62.0	834.940	762.166	686.744	629.754	610.475
62.5	818.309	747.018	670.219	613.229	591.089
63.0	803.055	730.811	654.012	595.750	573.293
63.5	787.695	714.816	637.275	579.649	556.874
64.0	772.442	698.291	621.597	561.641	538.866
64.5	757.294	681.660	606.343	542.679	520.646
65.0	741.722	665.664	591.301	524.459	501.790
65.5	724.773	649.986	576.153	506.239	482.405
66.0	708.142	634.521	558.887	487.914	463.232
66.5	692.676	618.843	541.620	470.011	444.482
67.0	676.893	603.801	524.248	451.368	426.368
67.5	661.745	589.077	506.345	433.466	407.619
68.0	644.266	572.763	489.079	415.246	389.611
68.5	628.059	557.086	473.401	396.708	370.649
69.0	612.805	540.879	456.029	378.488	351.582
69.5	598.293	525.201	436.749	359.950	332.832
70.0	583.780	509.417	418.318	341.730	313.765
70.5	569.056	493.422	401.263	323.722	298.299
71.0	551.366	478.168	383.890	304.655	285.587
71.5	534.946	461.749	365.988	285.905	273.405
72.0	520.116	445.118	348.298	271.605	261.435
72.5	503.485	429.546	330.184	259.952	249.465
73.0	486.748	412.809	312.811	247.770	238.131
73.5	470.753	396.920	295.757	236.118	226.478
74.0	454.440	381.666	278.596	224.254	214.614
74.5	438.338	365.353	260.588	212.390	203.068
75.0	422.555	349.569	242.686	200.737	192.157
75.5	407.089	335.057	225.101	189.085	180.928
76.0	391.729	319.379	209.847	178.174	169.700
76.5	375.416	303.066	197.771	167.263	159.213
77.0	359.632	286.117	185.907	156.670	148.620
77.5	344.378	269.698	174.149	146.077	138.556
78.0	328.489	253.173	162.920	135.379	128.175
78.5	313.235	237.389	151.480	124.680	117.582
79.0	297.557	219.593	140.463	114.404	107.201
79.5	281.774	202.538	129.764	104.447	96.926
80.0	266.520	186.225	119.277	94.595	87.074
80.5	251.160	170.018	109.108	84.744	77.753
81.0	236.118	154.022	98.727	75.316	68.749
81.5	221.288	137.815	88.981	66.312	60.698
82.0	205.610	121.714	79.236	59.215	54.448
82.5	190.144	107.201	69.384	51.482	49.152

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**CANDELA TABULATION - (Cont.)**

83.0	175.314	95.125	59.745	45.868	43.961
83.5	160.060	84.002	50.846	40.571	38.135
84.0	144.806	73.515	43.431	34.851	33.156
84.5	129.658	63.664	37.711	29.978	29.131
85.0	114.193	54.448	32.097	26.165	25.529
85.5	99.468	45.020	26.482	22.669	22.139
86.0	84.850	36.016	22.033	19.279	18.856
86.5	70.232	27.754	18.432	15.889	15.360
87.0	56.355	22.563	14.936	12.712	12.288
87.5	42.160	16.101	11.652	9.534	9.216
88.0	28.601	11.546	8.474	6.780	6.568
88.5	18.326	8.263	6.356	5.614	5.085
89.0	10.699	5.296	6.356	5.932	4.343
89.5	5.191	3.072	6.038	4.131	3.496
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

IES INDOOR REPORT  
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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-14-L55-850-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-14-L55-850-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-14-L55-850-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	731.47	N.A.	14.00
0-30	1534.81	N.A.	29.50
0-40	2479.93	N.A.	47.60
0-60	4261.01	N.A.	81.80
0-80	5148.28	N.A.	98.90
0-90	5207.32	N.A.	100.00
10-90	5016.71	N.A.	96.30
20-40	1748.46	N.A.	33.60
20-50	2700.2	N.A.	51.90
40-70	2374.12	N.A.	45.60
60-80	887.27	N.A.	17.00
70-80	294.24	N.A.	5.70
80-90	59.03	N.A.	1.10
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	5207.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	190.60
10-20	540.87
20-30	803.34
30-40	945.12
40-50	951.74
50-60	829.34
60-70	593.03
70-80	294.24
80-90	59.03
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-14-L55-850-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	126	126	126	126	123	123	123	123	118	118	118	113	113	113	108	108	108	106
1	116	111	107	103	113	109	105	101	104	101	98	100	98	95	96	94	92	90
2	106	97	90	85	103	95	89	84	92	86	82	88	84	80	85	81	78	76
3	97	86	77	71	94	84	76	70	81	74	69	78	72	68	75	71	67	64
4	89	76	67	60	86	75	66	60	72	65	59	70	63	58	67	62	57	55
5	82	68	59	52	79	67	58	52	65	57	51	63	56	51	61	55	50	48
6	75	62	52	46	73	61	52	45	59	51	45	57	50	45	55	49	44	42
7	70	56	47	40	68	55	46	40	53	46	40	52	45	40	50	44	39	37
8	65	51	42	36	64	50	42	36	49	41	36	48	41	36	46	40	35	33
9	61	47	38	33	59	46	38	32	45	38	32	44	37	32	43	37	32	30
10	57	43	35	30	56	43	35	29	42	34	29	41	34	29	40	34	29	27

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-14-L55-850-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

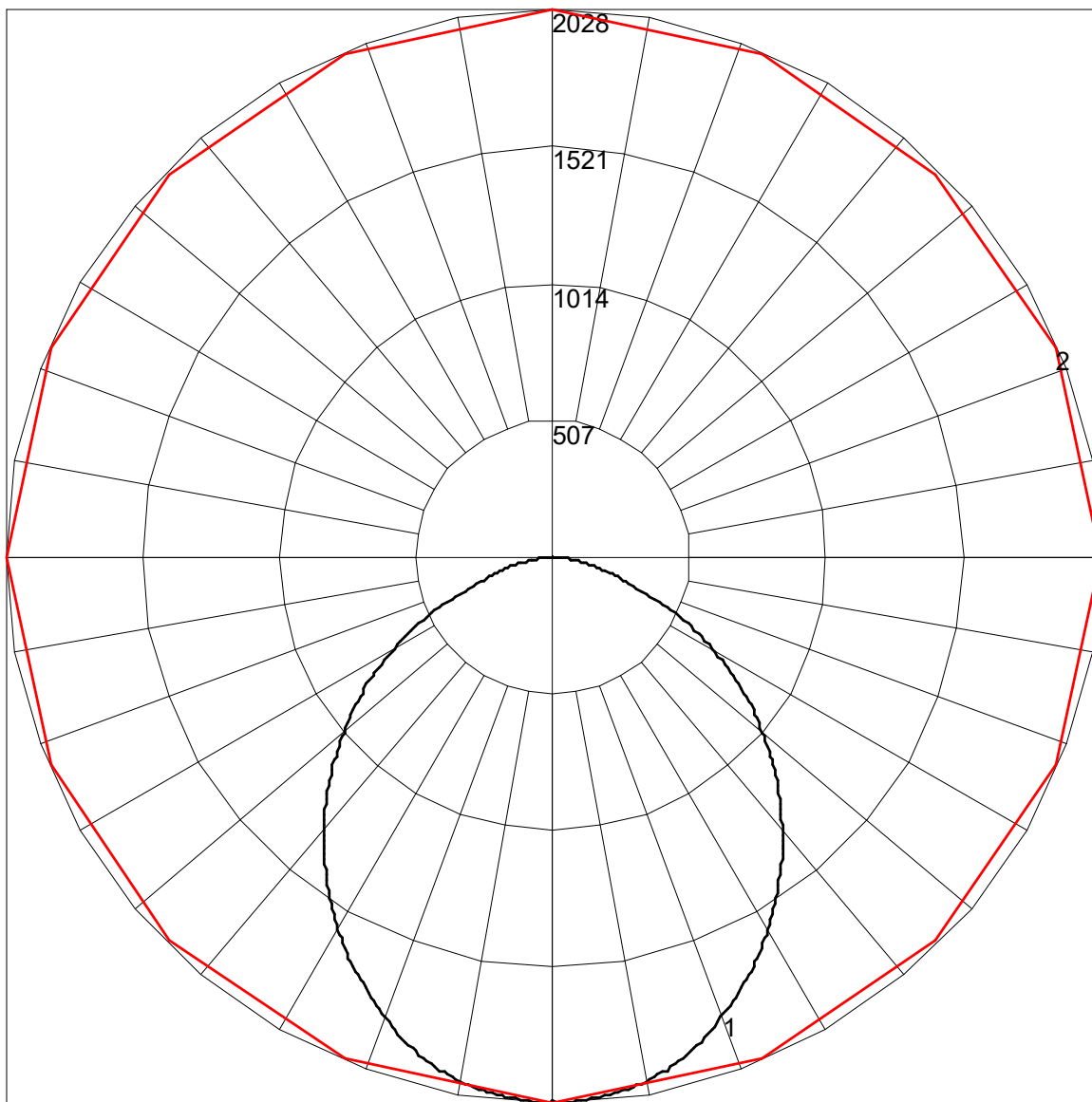
Reflectances

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	18.2	19.8	18.5	20.1	20.4	17.0	18.6	17.4	19.0	19.3
	3H	20.1	21.6	20.5	21.9	22.2	18.3	19.7	18.6	20.0	20.4
	4H	20.9	22.2	21.3	22.6	22.9	18.6	19.9	19.0	20.3	20.7
	6H	21.4	22.7	21.9	23.1	23.5	18.7	20.0	19.1	20.4	20.7
	8H	21.6	22.8	22.0	23.2	23.6	18.7	19.9	19.2	20.3	20.7
	12H	21.8	22.9	22.2	23.3	23.7	18.7	19.9	19.2	20.3	20.7
4H	2H	18.6	20.0	19.0	20.3	20.7	17.7	19.1	18.1	19.4	19.8
	3H	20.7	21.9	21.2	22.3	22.7	19.1	20.2	19.5	20.6	21.0
	4H	21.6	22.6	22.0	23.0	23.5	19.5	20.5	19.9	20.9	21.3
	6H	22.3	23.2	22.8	23.6	24.1	19.7	20.6	20.2	21.0	21.5
	8H	22.5	23.4	23.0	23.8	24.3	19.7	20.6	20.2	21.0	21.5
	12H	22.7	23.5	23.2	23.9	24.4	19.7	20.5	20.2	21.0	21.4
8H	4H	21.7	22.5	22.2	23.0	23.4	19.8	20.6	20.2	21.0	21.5
	6H	22.5	23.2	23.0	23.7	24.1	20.0	20.7	20.5	21.2	21.7
	8H	22.7	23.4	23.2	23.9	24.3	20.1	20.7	20.6	21.2	21.7
	12H	23.0	23.5	23.5	24.0	24.6	20.1	20.6	20.6	21.1	21.7
12H	4H	21.7	22.4	22.2	22.9	23.4	19.8	20.5	20.3	21.0	21.5
	6H	22.5	23.1	23.0	23.5	24.1	20.1	20.7	20.6	21.2	21.7
	8H	22.8	23.3	23.3	23.8	24.4	20.2	20.7	20.7	21.2	21.7

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 2027.5 Located At Horizontal Angle = 0, Vertical Angle = 1

# 1 - Vertical Plane Through Horizontal Angles (90 - 270)

# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)