

IES INDOOR REPORT

PHOTOMETRIC FILENAME : AP-14-L55-850-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15060098.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 29 Nov, 2023

[TEST DATE] 11/20/2023

[MANUFAC] H E Williams Inc

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

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

[LAMP] 168 LEDs

[BALLAST] Advance/ Signify 49w Certadrive X C1049C102V048CDX1

[OTHER] 25.3 C, 120.053 V, 0.343868 A, 40.843 W, 0.989361 PF, 59.9703

[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	5917
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	44.1
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)	3.81 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	6348	6322	6406
55	6111	6083	6160
65	5780	5766	5638
75	5323	4958	4557
85	4285	2215	1071

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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	2113.263	2113.263	2113.263	2113.263	2113.263
0.5	2122.426	2112.118	2106.391	2114.408	2117.845
1.0	2121.281	2113.263	2107.536	2113.263	2118.990
1.5	2121.281	2112.118	2105.245	2114.408	2117.845
2.0	2120.135	2109.827	2105.245	2113.263	2114.408
2.5	2121.281	2108.681	2104.100	2112.118	2113.263
3.0	2118.990	2107.536	2102.954	2110.972	2115.554
3.5	2118.990	2105.245	2101.809	2108.681	2116.699
4.0	2118.990	2105.245	2101.809	2107.536	2114.408
4.5	2113.263	2102.954	2094.937	2106.391	2110.972
5.0	2109.827	2104.100	2094.937	2104.100	2109.827
5.5	2108.681	2100.664	2094.937	2102.954	2108.681
6.0	2106.391	2097.227	2090.355	2100.664	2105.245
6.5	2102.954	2094.937	2088.064	2096.082	2104.100
7.0	2100.664	2091.500	2084.628	2093.791	2099.518
7.5	2100.664	2088.064	2080.046	2089.210	2096.082
8.0	2093.791	2083.483	2080.046	2086.919	2093.791
8.5	2091.500	2082.337	2076.610	2082.337	2091.500
9.0	2084.628	2078.901	2072.029	2078.901	2090.355
9.5	2082.337	2074.319	2069.738	2074.319	2084.628
10.0	2076.610	2069.738	2065.156	2075.465	2077.756
10.5	2072.029	2064.011	2060.575	2069.738	2076.610
11.0	2069.738	2060.575	2058.284	2064.011	2075.465
11.5	2066.302	2054.848	2052.557	2061.720	2067.447
12.0	2059.429	2051.411	2044.539	2057.138	2059.429
12.5	2054.848	2045.684	2041.103	2051.411	2057.138
13.0	2047.975	2037.667	2036.521	2046.830	2050.266
13.5	2043.394	2034.230	2029.649	2042.248	2047.975
14.0	2037.667	2028.503	2023.922	2035.376	2043.394
14.5	2031.940	2020.486	2021.631	2029.649	2037.667
15.0	2027.358	2017.049	2014.759	2022.776	2030.794
15.5	2019.340	2010.177	2006.741	2018.195	2023.922
16.0	2013.613	2005.595	2001.014	2011.322	2018.195
16.5	2005.595	1997.578	1994.141	2003.305	2011.322
17.0	1999.868	1988.414	1987.269	1995.287	2005.595
17.5	1994.141	1982.687	1979.251	1988.414	1996.432
18.0	1983.833	1974.670	1973.524	1983.833	1987.269
18.5	1978.106	1970.088	1965.506	1975.815	1978.106
19.0	1971.233	1962.070	1956.343	1967.797	1972.379
19.5	1965.506	1952.907	1950.616	1962.070	1965.506
20.0	1957.489	1947.180	1941.453	1951.762	1957.489
20.5	1946.035	1939.162	1933.435	1941.453	1949.471
21.0	1936.871	1929.999	1925.417	1935.726	1942.598
21.5	1928.854	1918.545	1916.254	1927.708	1931.144
22.0	1920.836	1911.673	1905.946	1917.400	1923.127
22.5	1913.963	1902.509	1896.782	1910.527	1918.545
23.0	1904.800	1892.201	1889.910	1901.364	1910.527
23.5	1893.346	1884.183	1880.747	1894.492	1897.928
24.0	1885.328	1877.311	1871.584	1884.183	1888.765
24.5	1876.165	1867.002	1865.857	1876.165	1880.747
25.0	1868.147	1857.839	1854.403	1865.857	1871.584
25.5	1857.839	1849.821	1844.094	1855.548	1861.275
26.0	1846.385	1838.367	1836.076	1846.385	1853.257
26.5	1836.076	1826.913	1826.913	1837.222	1844.094

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27.0	1828.058	1818.895	1817.750	1829.204	1833.785
27.5	1816.604	1807.441	1807.441	1818.895	1826.913
28.0	1802.860	1797.133	1794.842	1808.587	1812.023
28.5	1794.842	1789.115	1784.533	1798.278	1801.714
29.0	1784.533	1777.661	1775.370	1786.824	1795.987
29.5	1773.079	1768.498	1765.061	1776.515	1781.097
30.0	1759.334	1755.898	1753.607	1763.916	1773.079
30.5	1751.317	1744.444	1742.153	1754.753	1760.480
31.0	1743.299	1732.990	1730.699	1743.299	1746.735
31.5	1730.699	1721.536	1718.100	1731.845	1739.863
32.0	1720.391	1710.082	1707.791	1721.536	1726.118
32.5	1705.501	1696.337	1695.192	1707.791	1713.518
33.0	1695.192	1684.883	1683.738	1695.192	1704.355
33.5	1684.883	1673.429	1672.284	1684.883	1694.047
34.0	1671.139	1663.121	1660.830	1675.720	1680.302
34.5	1655.103	1649.376	1648.231	1661.975	1668.848
35.0	1645.940	1639.067	1635.631	1651.667	1657.394
35.5	1635.631	1626.468	1624.177	1639.067	1645.940
36.0	1624.177	1613.869	1611.578	1625.323	1631.050
36.5	1610.432	1600.124	1600.124	1612.723	1618.450
37.0	1595.542	1586.379	1588.670	1600.124	1604.705
37.5	1582.943	1573.780	1573.780	1586.379	1592.106
38.0	1572.634	1560.035	1561.180	1572.634	1576.070
38.5	1557.744	1548.581	1549.726	1560.035	1564.616
39.0	1541.708	1535.981	1535.981	1547.435	1552.017
39.5	1529.109	1521.091	1522.237	1534.836	1540.563
40.0	1514.219	1508.492	1510.783	1521.091	1527.964
40.5	1505.056	1494.747	1497.038	1506.201	1516.510
41.0	1489.020	1481.002	1482.148	1494.747	1499.329
41.5	1475.275	1469.548	1469.548	1482.148	1487.875
42.0	1462.676	1454.658	1453.513	1466.112	1472.984
42.5	1448.931	1438.622	1440.913	1451.222	1458.094
43.0	1431.750	1427.168	1427.168	1438.622	1445.495
43.5	1419.151	1412.278	1411.133	1423.732	1431.750
44.0	1405.406	1399.679	1398.533	1409.987	1418.005
44.5	1391.661	1385.934	1384.789	1396.243	1403.115
45.0	1376.771	1371.044	1371.044	1382.498	1389.370
45.5	1361.881	1357.299	1356.154	1367.608	1373.335
46.0	1348.136	1340.118	1341.263	1353.863	1357.299
46.5	1334.391	1325.228	1328.664	1340.118	1344.700
47.0	1318.355	1312.628	1312.628	1325.228	1327.519
47.5	1303.465	1297.738	1298.884	1309.192	1312.628
48.0	1288.575	1282.848	1283.993	1294.302	1296.593
48.5	1273.685	1269.103	1267.958	1279.412	1283.993
49.0	1261.085	1254.213	1253.068	1265.667	1267.958
49.5	1243.904	1239.323	1238.177	1249.631	1251.922
50.0	1230.160	1223.287	1225.578	1234.741	1238.177
50.5	1215.269	1208.397	1209.542	1219.851	1222.142
51.0	1198.088	1192.361	1193.507	1203.815	1207.252
51.5	1183.198	1177.471	1177.471	1191.216	1192.361
52.0	1168.308	1161.436	1163.726	1174.035	1175.180
52.5	1153.418	1146.545	1147.691	1157.999	1161.436
53.0	1137.497	1131.312	1131.083	1142.422	1145.400
53.5	1120.201	1116.078	1116.421	1126.615	1129.823
54.0	1105.540	1101.646	1101.760	1112.183	1114.016
54.5	1091.108	1084.923	1085.610	1096.721	1099.699

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55.0	1074.958	1069.575	1070.147	1081.258	1083.663
55.5	1058.350	1053.310	1054.341	1065.451	1068.544
56.0	1044.147	1036.816	1038.534	1048.728	1052.966
56.5	1027.538	1021.239	1023.071	1032.693	1034.983
57.0	1010.930	1004.974	1006.692	1017.344	1017.688
57.5	995.238	990.313	990.886	1000.507	1000.278
58.0	980.233	973.476	975.194	983.784	983.899
58.5	963.396	956.982	958.585	966.489	967.290
59.0	946.673	941.404	942.893	950.109	947.589
59.5	931.783	924.338	926.514	933.386	929.263
60.0	914.831	909.219	910.937	915.747	914.029
60.5	896.963	892.267	894.099	898.795	895.474
61.0	881.156	875.315	877.835	881.614	876.804
61.5	865.006	859.508	862.028	863.517	858.706
62.0	848.169	843.129	845.076	845.191	841.984
62.5	831.446	826.406	828.926	826.635	822.397
63.0	814.609	809.569	812.547	808.423	803.956
63.5	799.833	793.304	795.595	790.211	786.203
64.0	782.308	777.498	779.674	772.801	768.334
64.5	765.814	761.347	762.951	755.277	749.779
65.0	749.206	743.823	747.374	736.836	730.765
65.5	732.369	728.131	729.963	718.509	712.324
66.0	717.364	712.782	713.470	700.870	694.456
66.5	702.016	696.632	696.403	681.971	674.755
67.0	684.377	680.482	678.879	664.217	657.574
67.5	667.654	664.905	661.812	646.807	641.080
68.0	651.618	648.526	644.173	629.168	623.212
68.5	635.353	631.803	627.336	611.071	604.084
69.0	619.891	615.882	611.071	592.057	586.559
69.5	604.084	599.846	593.203	573.731	568.118
70.0	588.507	584.039	575.220	555.863	549.105
70.5	571.898	567.660	556.779	536.964	530.778
71.0	553.915	551.510	538.567	518.752	512.108
71.5	537.307	534.673	520.355	499.853	492.522
72.0	520.813	517.950	502.716	481.068	473.737
72.5	503.518	501.571	484.504	461.711	454.838
73.0	487.139	485.191	466.063	443.270	436.397
73.5	470.645	469.156	447.622	425.287	417.384
74.0	454.724	453.349	429.869	407.075	398.599
74.5	439.146	437.428	411.657	388.520	380.616
75.0	422.538	420.247	393.559	370.079	361.717
75.5	406.846	403.524	375.233	351.638	342.475
76.0	390.581	386.573	357.479	332.968	323.576
76.5	373.973	370.766	339.840	314.985	305.478
77.0	358.052	354.730	321.857	297.117	286.923
77.5	343.047	338.008	303.875	278.676	268.482
78.0	327.470	320.712	286.235	260.693	250.041
78.5	312.007	303.646	269.284	242.825	231.485
79.0	296.544	286.923	251.530	224.957	213.388
79.5	280.279	269.971	234.349	207.088	195.749
80.0	265.275	253.133	217.053	189.678	178.568
80.5	250.041	236.181	200.101	172.497	161.845
81.0	234.692	219.688	183.493	157.034	144.779
81.5	220.031	203.079	166.541	140.655	128.858
82.0	204.912	186.357	149.933	122.901	112.707
82.5	189.564	169.863	133.439	106.866	97.588

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CANDELA TABULATION - (Cont.)

83.0	173.986	153.255	118.663	91.747	82.469
83.5	158.752	137.219	102.628	77.658	67.922
84.0	143.862	121.985	87.394	63.684	54.177
84.5	129.087	106.637	73.077	50.169	40.662
85.0	114.540	91.288	59.217	37.455	28.635
85.5	99.764	76.856	46.045	26.802	20.045
86.0	85.561	63.112	34.820	18.785	15.119
86.5	72.046	49.367	25.657	13.745	10.881
87.0	59.103	37.913	18.097	10.767	9.278
87.5	47.420	28.635	12.714	8.820	8.247
88.0	36.882	20.846	9.507	8.705	7.331
88.5	27.375	13.630	9.049	9.163	6.414
89.0	19.930	8.247	5.842	8.591	5.498
89.5	13.287	5.040	4.353	7.216	3.780
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 : AP-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
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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 : AP-14-L55-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	769.60	N.A.	13.00
0-30	1627.53	N.A.	27.50
0-40	2655.65	N.A.	44.90
0-60	4677.29	N.A.	79.00
0-80	5827.37	N.A.	98.50
0-90	5916.88	N.A.	100.00
10-90	5717.14	N.A.	96.60
20-40	1886.05	N.A.	31.90
20-50	2947.65	N.A.	49.80
40-70	2755.88	N.A.	46.60
60-80	1150.08	N.A.	19.40
70-80	415.83	N.A.	7.00
80-90	89.51	N.A.	1.50
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	5916.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	199.73
10-20	569.86
20-30	857.93
30-40	1028.13
40-50	1061.59
50-60	960.05
60-70	734.24
70-80	415.83
80-90	89.51
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 : AP-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	115	110	106	102	112	108	104	100	103	100	97	99	96	94	95	93	91	89
2	105	96	89	83	102	94	87	82	90	85	80	87	82	78	84	80	76	74
3	96	84	76	69	93	83	75	68	79	73	67	77	71	66	74	69	65	62
4	87	75	65	58	85	73	65	58	71	63	57	68	61	56	66	60	55	53
5	80	67	57	50	78	65	56	50	63	55	49	61	54	49	59	53	48	46
6	74	60	50	44	72	59	50	43	57	49	43	55	48	43	54	47	42	40
7	69	54	45	39	67	54	45	38	52	44	38	50	43	38	49	42	38	35
8	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32
9	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	30	28
10	56	42	34	28	55	41	33	28	40	33	28	39	33	28	38	32	28	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AP-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

X=2H	Y=2H	18.3	19.9	18.6	20.2	20.5	18.3	20.0	18.7	20.3	20.6
	3H	20.2	21.7	20.5	22.0	22.3	20.1	21.6	20.5	21.9	22.3
	4H	20.9	22.3	21.3	22.7	23.0	20.7	22.1	21.1	22.4	22.8
	6H	21.5	22.8	21.9	23.1	23.5	21.0	22.3	21.4	22.7	23.1
	8H	21.7	22.9	22.1	23.3	23.7	21.1	22.3	21.5	22.7	23.1
	12H	21.8	23.0	22.2	23.4	23.8	21.1	22.3	21.5	22.6	23.1

UGR Viewed Endwise

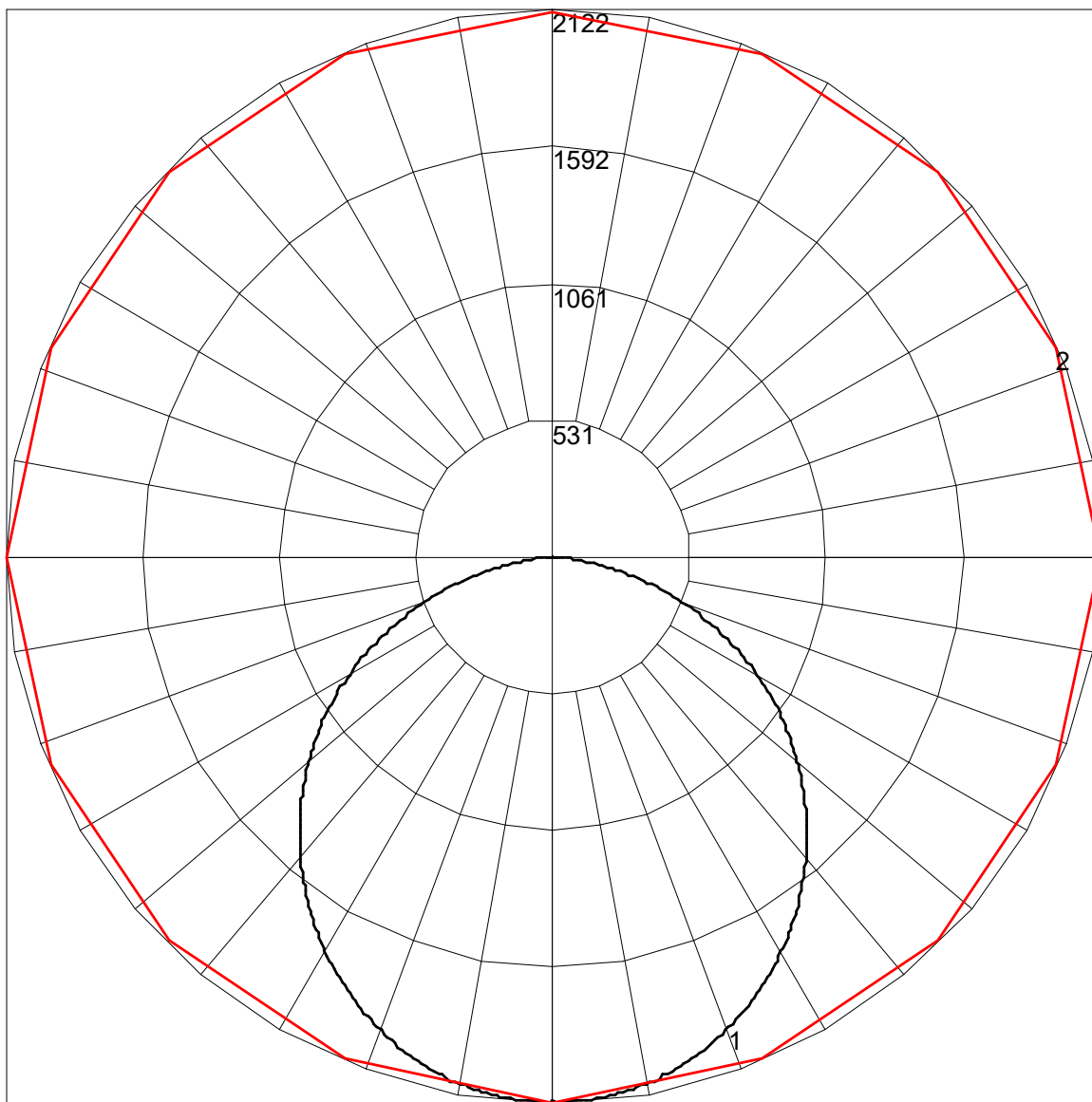
4H	2H	18.9	20.3	19.3	20.7	21.0	19.0	20.4	19.4	20.7	21.1
	3H	21.1	22.2	21.5	22.6	23.0	21.0	22.1	21.4	22.5	22.9
	4H	21.9	23.0	22.4	23.4	23.8	21.6	22.7	22.1	23.1	23.6
	6H	22.6	23.5	23.1	24.0	24.4	22.1	23.0	22.5	23.5	23.9
	8H	22.8	23.7	23.3	24.2	24.6	22.2	23.0	22.6	23.5	23.9
	12H	23.0	23.8	23.5	24.3	24.7	22.2	23.0	22.7	23.4	23.9

8H	4H	22.2	23.1	22.7	23.5	24.0	22.0	22.8	22.4	23.3	23.7
	6H	23.0	23.7	23.5	24.2	24.7	22.5	23.2	23.0	23.7	24.2
	8H	23.3	24.0	23.8	24.5	25.0	22.6	23.3	23.1	23.8	24.2
	12H	23.6	24.1	24.1	24.6	25.2	22.7	23.2	23.2	23.7	24.3

12H	4H	22.2	23.0	22.7	23.5	23.9	22.0	22.8	22.5	23.3	23.7
	6H	23.1	23.7	23.6	24.2	24.7	22.6	23.2	23.1	23.7	24.2
	8H	23.4	24.0	23.9	24.5	25.0	22.7	23.3	23.2	23.8	24.3

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 2122.426 Located At Horizontal Angle = 0, Vertical Angle = .5

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

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)