

IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-14-L40-830-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-L40-830-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	3402
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	30.3
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	4033	3666	3532
55	3908	3377	3172
65	3738	2980	2529
75	3477	1997	1581
85	2791	784	624

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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	1318.260	1318.260	1318.260	1318.260	1318.260
0.5	1323.104	1319.644	1314.800	1318.952	1323.104
1.0	1324.488	1318.260	1314.108	1318.952	1323.796
1.5	1324.488	1318.952	1312.032	1316.876	1323.796
2.0	1321.720	1316.876	1313.416	1316.876	1322.412
2.5	1323.104	1315.492	1311.340	1316.876	1318.952
3.0	1322.412	1316.184	1311.340	1315.492	1318.952
3.5	1321.028	1315.492	1309.956	1315.492	1318.952
4.0	1321.028	1313.416	1309.264	1313.416	1316.184
4.5	1321.028	1313.416	1307.188	1311.340	1315.492
5.0	1318.952	1311.340	1306.496	1311.340	1314.800
5.5	1317.568	1310.648	1306.496	1311.340	1312.724
6.0	1317.568	1310.648	1303.036	1307.880	1310.648
6.5	1314.800	1307.880	1301.652	1307.188	1308.572
7.0	1310.648	1305.112	1300.268	1305.112	1308.572
7.5	1309.956	1303.036	1296.116	1301.652	1305.112
8.0	1309.264	1299.576	1294.040	1298.884	1302.344
8.5	1304.420	1298.884	1293.348	1296.808	1300.268
9.0	1303.728	1296.808	1290.580	1294.732	1298.884
9.5	1301.652	1293.348	1287.812	1291.964	1296.116
10.0	1296.808	1291.272	1286.428	1289.196	1291.272
10.5	1294.732	1288.504	1282.968	1285.044	1288.504
11.0	1294.040	1285.736	1279.508	1282.968	1286.428
11.5	1289.888	1281.584	1276.048	1279.508	1280.200
12.0	1286.428	1278.124	1272.588	1276.048	1278.816
12.5	1282.968	1275.356	1269.820	1272.588	1275.356
13.0	1277.432	1271.896	1266.360	1267.744	1270.512
13.5	1274.664	1269.128	1262.900	1263.592	1264.976
14.0	1273.280	1265.668	1258.056	1258.748	1260.132
14.5	1271.896	1263.592	1254.596	1253.212	1255.288
15.0	1267.052	1259.440	1249.752	1249.060	1251.136
15.5	1263.592	1255.288	1244.216	1243.524	1244.908
16.0	1259.440	1252.520	1240.064	1237.296	1239.372
16.5	1253.904	1247.676	1235.912	1231.068	1233.836
17.0	1249.752	1241.448	1231.760	1226.916	1228.992
17.5	1246.292	1236.604	1225.532	1220.688	1223.456
18.0	1242.832	1233.836	1219.304	1213.768	1216.536
18.5	1237.988	1228.300	1215.152	1208.232	1208.232
19.0	1233.144	1224.840	1209.616	1203.388	1202.696
19.5	1230.376	1220.688	1203.388	1196.468	1195.776
20.0	1223.456	1214.460	1197.160	1188.856	1188.164
20.5	1220.688	1209.616	1190.240	1182.628	1181.936
21.0	1213.768	1205.464	1185.396	1175.708	1175.016
21.5	1210.308	1198.544	1180.552	1168.788	1168.096
22.0	1204.772	1195.084	1174.324	1162.560	1161.868
22.5	1197.160	1186.088	1167.404	1155.640	1154.948
23.0	1192.316	1180.552	1160.484	1148.028	1149.412
23.5	1186.780	1176.400	1154.256	1141.800	1142.492
24.0	1181.936	1170.172	1146.644	1135.572	1132.112
24.5	1175.016	1165.328	1139.724	1128.652	1125.192
25.0	1170.864	1157.716	1132.804	1121.040	1118.272
25.5	1166.020	1152.872	1125.884	1113.428	1112.736
26.0	1160.484	1147.336	1118.272	1107.200	1105.816
26.5	1153.564	1139.724	1110.660	1098.204	1098.896

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CANDELA TABULATION - (Cont.)

27.0	1148.028	1132.804	1103.048	1091.976	1091.284
27.5	1139.032	1126.576	1096.820	1085.056	1083.672
28.0	1133.496	1120.348	1089.900	1076.060	1075.368
28.5	1128.652	1114.120	1082.288	1068.448	1067.064
29.0	1121.732	1106.508	1075.368	1061.528	1059.452
29.5	1113.428	1099.588	1067.064	1052.532	1051.148
30.0	1108.584	1092.668	1059.452	1044.228	1042.844
30.5	1100.280	1084.364	1051.840	1036.616	1033.848
31.0	1096.128	1076.060	1044.228	1028.312	1025.544
31.5	1088.516	1069.140	1035.232	1020.700	1017.240
32.0	1080.904	1061.528	1026.928	1012.396	1008.244
32.5	1076.060	1054.608	1018.624	1004.092	1000.632
33.0	1066.372	1047.688	1011.704	994.404	990.944
33.5	1060.144	1038.692	1003.400	986.792	981.948
34.0	1053.916	1031.080	994.404	977.796	972.952
34.5	1044.920	1022.776	986.792	969.492	963.956
35.0	1037.308	1015.856	977.104	959.804	954.960
35.5	1031.772	1008.244	970.184	951.500	947.348
36.0	1022.776	998.556	960.496	942.504	939.044
36.5	1014.472	990.944	951.500	933.508	928.664
37.0	1008.244	982.640	942.504	924.512	921.052
37.5	999.940	973.644	933.508	914.824	912.056
38.0	990.944	964.648	924.512	905.136	901.676
38.5	982.640	955.652	915.516	896.832	893.372
39.0	975.028	948.040	907.212	887.144	884.376
39.5	966.032	939.736	899.600	877.456	874.688
40.0	959.112	932.124	889.220	868.460	864.308
40.5	949.424	922.436	879.532	859.464	853.928
41.0	941.812	912.748	869.844	849.776	844.240
41.5	933.508	903.752	861.540	840.780	835.244
42.0	925.204	894.756	852.544	829.708	825.556
42.5	916.900	885.760	842.164	820.020	815.868
43.0	907.904	876.072	832.476	810.332	805.488
43.5	900.292	866.692	822.788	800.644	795.108
44.0	892.680	856.696	813.792	791.648	786.112
44.5	882.992	848.392	803.412	782.652	776.424
45.0	874.688	838.704	795.108	772.964	766.044
45.5	866.384	830.400	785.420	761.892	754.280
46.0	856.696	820.020	775.732	750.820	744.592
46.5	847.700	811.716	766.736	741.132	735.596
47.0	838.704	802.028	757.048	731.444	723.832
47.5	829.708	792.340	745.976	721.064	714.144
48.0	820.020	781.960	736.980	711.376	704.456
48.5	811.716	773.656	726.600	700.996	692.692
49.0	802.028	763.968	716.220	690.339	682.727
49.5	793.032	752.896	705.840	679.890	672.001
50.0	783.344	743.900	696.152	669.718	662.175
50.5	774.348	733.520	686.741	659.684	652.002
51.0	763.968	723.832	676.776	649.373	640.930
51.5	754.280	714.144	666.327	639.685	630.966
52.0	745.284	703.764	656.500	629.028	621.070
52.5	736.980	693.384	646.259	618.648	610.690
53.0	726.600	683.488	635.256	608.406	599.964
53.5	716.912	673.316	625.291	597.542	588.684
54.0	707.916	663.490	614.427	587.231	577.751
54.5	696.844	653.732	604.116	576.505	568.132

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CANDELA TABULATION - (Cont.)

55.0	687.502	643.006	594.151	566.402	558.098
55.5	677.745	633.388	583.979	555.468	546.611
56.0	667.572	623.561	573.876	545.365	535.608
56.5	656.639	612.697	563.703	534.778	524.328
57.0	647.366	602.455	553.669	523.567	514.294
57.5	638.716	592.214	542.943	513.118	503.222
58.0	628.544	581.972	532.148	502.184	491.043
58.5	617.333	571.384	521.699	491.320	480.248
59.0	607.022	561.074	510.904	480.456	467.930
59.5	596.435	550.486	500.593	469.660	456.166
60.0	586.678	540.037	489.867	457.966	444.887
60.5	576.851	529.795	479.833	446.963	433.123
61.0	565.987	519.138	469.038	434.853	421.013
61.5	555.745	508.551	458.796	422.812	409.595
62.0	545.434	497.894	448.624	411.394	398.800
62.5	534.570	487.998	437.828	400.599	386.136
63.0	524.605	477.411	427.241	389.181	374.510
63.5	514.571	466.962	416.307	378.662	363.784
64.0	504.606	456.166	406.066	366.898	352.020
64.5	494.711	445.302	396.101	354.512	340.118
65.0	484.538	434.853	386.274	342.609	327.800
65.5	473.466	424.611	376.379	330.707	315.137
66.0	462.602	414.508	365.099	318.735	302.612
66.5	452.499	404.266	353.820	307.040	290.363
67.0	442.188	394.440	342.471	294.861	278.530
67.5	432.292	384.821	330.776	283.166	266.282
68.0	420.874	374.164	319.496	271.264	254.518
68.5	410.287	363.923	309.255	259.154	242.131
69.0	400.322	353.335	297.906	247.252	229.675
69.5	390.842	343.094	285.312	235.142	217.426
70.0	381.361	332.783	273.271	223.239	204.970
70.5	371.742	322.334	262.130	211.475	194.867
71.0	360.186	312.369	250.781	199.019	186.563
71.5	349.460	301.643	239.086	186.771	178.605
72.0	339.772	290.778	227.530	177.429	170.786
72.5	328.908	280.606	215.696	169.817	162.966
73.0	317.974	269.672	204.348	161.859	155.562
73.5	307.525	259.292	193.206	154.247	147.950
74.0	296.868	249.328	181.996	146.496	140.199
74.5	286.350	238.671	170.232	138.746	132.656
75.0	276.039	228.360	158.537	131.134	125.529
75.5	265.936	218.880	147.050	123.522	118.194
76.0	255.902	208.638	137.085	116.394	110.858
76.5	245.245	197.981	129.196	109.267	104.008
77.0	234.934	186.909	121.446	102.347	97.088
77.5	224.969	176.183	113.765	95.427	90.514
78.0	214.589	165.388	106.430	88.438	83.732
78.5	204.624	155.077	98.956	81.448	76.812
79.0	194.383	143.452	91.759	74.736	70.030
79.5	184.072	132.310	84.770	68.231	63.318
80.0	174.107	121.654	77.919	61.796	56.882
80.5	164.073	111.066	71.276	55.360	50.793
81.0	154.247	100.617	64.494	49.201	44.911
81.5	144.559	90.029	58.128	43.319	39.652
82.0	134.317	79.511	51.762	38.683	35.569
82.5	124.214	70.030	45.326	33.631	32.109

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CANDELA TABULATION - (Cont.)

83.0	114.526	62.142	39.029	29.964	28.718
83.5	104.561	54.876	33.216	26.504	24.912
84.0	94.596	48.025	28.372	22.767	21.660
84.5	84.701	41.589	24.635	19.584	19.030
85.0	74.598	35.569	20.968	17.092	16.677
85.5	64.979	29.410	17.300	14.809	14.463
86.0	55.429	23.528	14.394	12.594	12.318
86.5	45.880	18.130	12.041	10.380	10.034
87.0	36.814	14.740	9.757	8.304	8.027
87.5	27.542	10.518	7.612	6.228	6.020
88.0	18.684	7.543	5.536	4.429	4.290
88.5	11.972	5.398	4.152	3.668	3.322
89.0	6.989	3.460	4.152	3.875	2.837
89.5	3.391	2.007	3.944	2.699	2.284
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-14-L40-830-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-14-L40-830-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-14-L40-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	477.84	N.A.	14.00
0-30	1002.64	N.A.	29.50
0-40	1620.04	N.A.	47.60
0-60	2783.56	N.A.	81.80
0-80	3363.17	N.A.	98.90
0-90	3401.74	N.A.	100.00
10-90	3277.23	N.A.	96.30
20-40	1142.2	N.A.	33.60
20-50	1763.94	N.A.	51.90
40-70	1550.92	N.A.	45.60
60-80	579.62	N.A.	17.00
70-80	192.21	N.A.	5.70
80-90	38.56	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	3401.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.51
10-20	353.33
20-30	524.79
30-40	617.41
40-50	621.74
50-60	541.78
60-70	387.41
70-80	192.21
80-90	38.56
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-L40-830-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	114	114	114	114	112	112	112	112	107	107	107	102	102	102	98	98	98	96
1	105	101	97	93	103	99	95	92	95	92	89	91	88	86	87	85	84	82
2	96	88	82	77	93	86	81	76	83	78	74	80	76	72	77	74	71	69
3	88	78	70	64	85	76	69	64	73	67	62	71	66	61	68	64	60	58
4	80	69	61	55	78	68	60	54	65	59	53	63	57	53	61	56	52	50
5	74	62	53	47	72	61	53	47	59	52	46	57	51	46	55	50	45	43
6	68	56	47	41	67	55	47	41	53	46	41	52	45	40	50	44	40	38
7	63	51	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34
8	59	46	38	33	58	46	38	33	44	37	32	43	37	32	42	36	32	30
9	55	43	35	30	54	42	35	29	41	34	29	40	34	29	39	33	29	27
10	52	39	32	27	51	39	32	27	38	31	27	37	31	27	36	30	26	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-14-L40-830-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	17.1	18.7	17.4	19.0	19.3	15.9	17.5	16.3	17.9	18.2
	3H	19.0	20.5	19.4	20.8	21.1	17.2	18.6	17.5	18.9	19.3
	4H	19.8	21.1	20.2	21.5	21.8	17.5	18.8	17.9	19.2	19.6
	6H	20.3	21.6	20.8	22.0	22.4	17.6	18.9	18.0	19.3	19.6
	8H	20.5	21.7	21.0	22.1	22.5	17.7	18.8	18.1	19.2	19.6
	12H	20.7	21.8	21.1	22.2	22.6	17.6	18.8	18.1	19.2	19.6

UGR Viewed Endwise

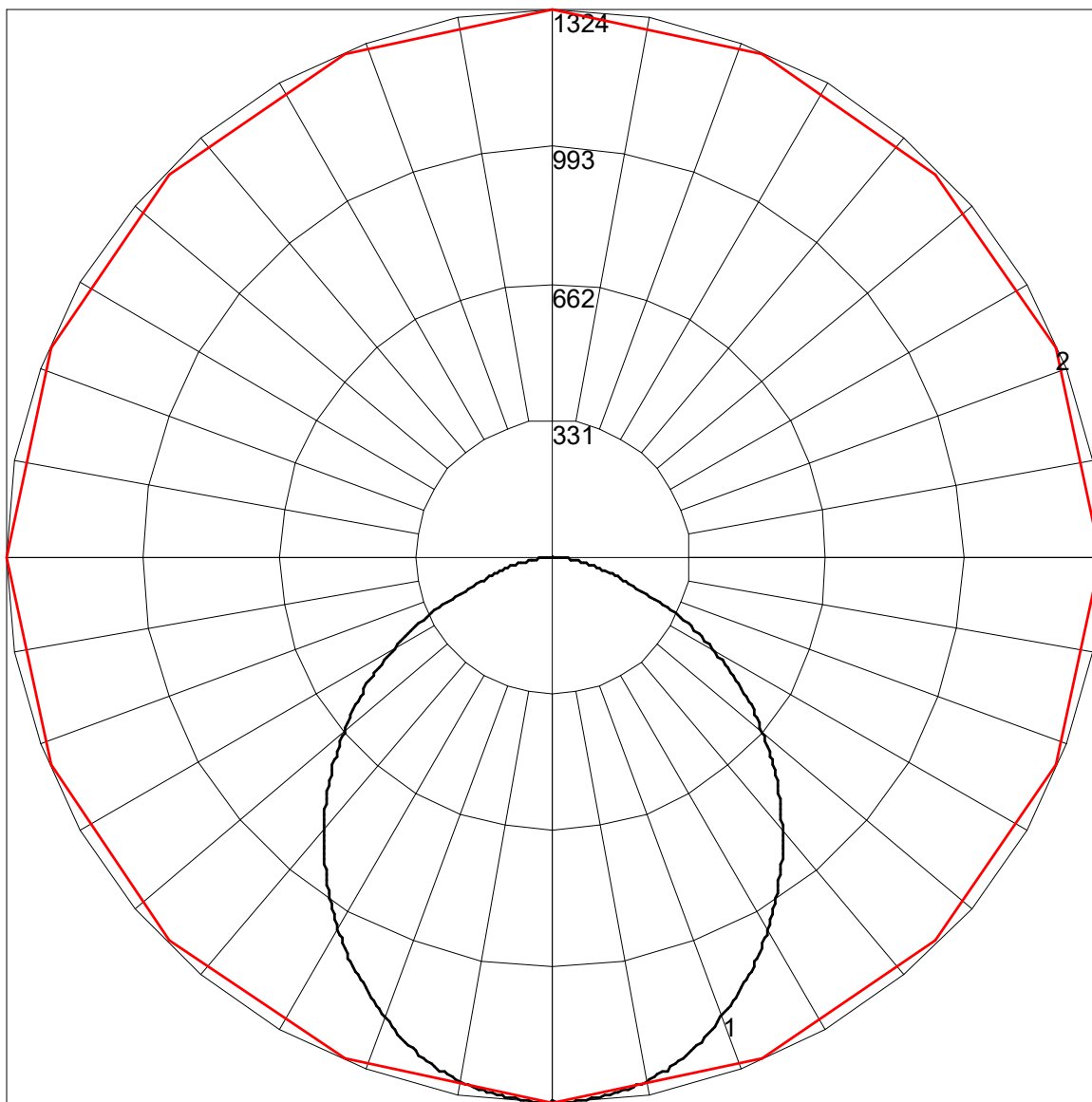
4H	2H	17.5	18.9	17.9	19.2	19.6	16.6	18.0	17.0	18.3	18.7
	3H	19.6	20.8	20.1	21.2	21.6	18.0	19.1	18.4	19.5	19.9
	4H	20.5	21.5	20.9	21.9	22.4	18.4	19.4	18.8	19.8	20.2
	6H	21.2	22.1	21.7	22.5	23.0	18.6	19.5	19.1	19.9	20.4
	8H	21.4	22.3	21.9	22.7	23.2	18.6	19.5	19.1	19.9	20.4
	12H	21.6	22.4	22.1	22.8	23.3	18.6	19.4	19.1	19.9	20.3

8H	4H	20.6	21.4	21.1	21.9	22.3	18.7	19.5	19.1	19.9	20.4
	6H	21.4	22.1	21.9	22.6	23.0	18.9	19.6	19.4	20.1	20.6
	8H	21.6	22.3	22.1	22.8	23.3	19.0	19.6	19.5	20.1	20.6
	12H	21.9	22.4	22.4	22.9	23.5	19.0	19.5	19.5	20.0	20.6

12H	4H	20.6	21.3	21.1	21.8	22.3	18.7	19.4	19.2	19.9	20.4
	6H	21.4	22.0	21.9	22.4	23.0	19.0	19.6	19.5	20.1	20.6
	8H	21.7	22.2	22.2	22.7	23.3	19.1	19.6	19.6	20.1	20.6

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 1324.488 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.)