

IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-14-L30-850-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-L30-850-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	2804
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	22.8
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	3325	3023	2912
55	3222	2784	2615
65	3082	2457	2085
75	2867	1647	1304
85	2301	647	514

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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	1086.803	1086.803	1086.803	1086.803	1086.803
0.5	1090.796	1087.944	1083.950	1087.373	1090.796
1.0	1091.937	1086.803	1083.380	1087.373	1091.367
1.5	1091.937	1087.373	1081.668	1085.662	1091.367
2.0	1089.655	1085.662	1082.809	1085.662	1090.226
2.5	1090.796	1084.521	1081.098	1085.662	1087.373
3.0	1090.226	1085.091	1081.098	1084.521	1087.373
3.5	1089.085	1084.521	1079.957	1084.521	1087.373
4.0	1089.085	1082.809	1079.386	1082.809	1085.091
4.5	1089.085	1082.809	1077.675	1081.098	1084.521
5.0	1087.373	1081.098	1077.104	1081.098	1083.950
5.5	1086.232	1080.527	1077.104	1081.098	1082.239
6.0	1086.232	1080.527	1074.252	1078.245	1080.527
6.5	1083.950	1078.245	1073.111	1077.675	1078.816
7.0	1080.527	1075.963	1071.970	1075.963	1078.816
7.5	1079.957	1074.252	1068.547	1073.111	1075.963
8.0	1079.386	1071.399	1066.835	1070.829	1073.681
8.5	1075.393	1070.829	1066.265	1069.117	1071.970
9.0	1074.822	1069.117	1063.983	1067.406	1070.829
9.5	1073.111	1066.265	1061.701	1065.124	1068.547
10.0	1069.117	1064.553	1060.560	1062.842	1064.553
10.5	1067.406	1062.271	1057.707	1059.419	1062.271
11.0	1066.835	1059.989	1054.855	1057.707	1060.560
11.5	1063.412	1056.566	1052.002	1054.855	1055.425
12.0	1060.560	1053.714	1049.150	1052.002	1054.284
12.5	1057.707	1051.432	1046.868	1049.150	1051.432
13.0	1053.143	1048.579	1044.015	1045.156	1047.438
13.5	1050.861	1046.297	1041.163	1041.733	1042.874
14.0	1049.720	1043.445	1037.169	1037.740	1038.881
14.5	1048.579	1041.733	1034.317	1033.176	1034.887
15.0	1044.586	1038.310	1030.323	1029.753	1031.464
15.5	1041.733	1034.887	1025.759	1025.189	1026.330
16.0	1038.310	1032.605	1022.336	1020.054	1021.766
16.5	1033.746	1028.612	1018.913	1014.920	1017.202
17.0	1030.323	1023.477	1015.490	1011.497	1013.208
17.5	1027.471	1019.484	1010.356	1006.362	1008.644
18.0	1024.618	1017.202	1005.221	1000.657	1002.939
18.5	1020.625	1012.638	1001.798	996.093	996.093
19.0	1016.631	1009.785	997.234	992.100	991.529
19.5	1014.349	1006.362	992.100	986.395	985.824
20.0	1008.644	1001.228	986.965	980.119	979.549
20.5	1006.362	997.234	981.260	974.985	974.414
21.0	1000.657	993.811	977.267	969.280	968.709
21.5	997.805	988.106	973.273	963.575	963.004
22.0	993.241	985.254	968.139	958.440	957.870
22.5	986.965	977.837	962.434	952.735	952.165
23.0	982.972	973.273	956.729	946.460	947.601
23.5	978.408	969.850	951.594	941.325	941.896
24.0	974.414	964.716	945.319	936.191	933.338
24.5	968.709	960.722	939.614	930.486	927.633
25.0	965.286	954.447	933.909	924.210	921.928
25.5	961.293	950.453	928.204	917.935	917.364
26.0	956.729	945.889	921.928	912.800	911.659
26.5	951.024	939.614	915.653	905.384	905.954

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CANDELA TABULATION - (Cont.)

27.0	946.460	933.909	909.377	900.249	899.679
27.5	939.043	928.774	904.243	894.544	893.403
28.0	934.479	923.640	898.538	887.128	886.557
28.5	930.486	918.505	892.262	880.852	879.711
29.0	924.781	912.230	886.557	875.147	873.436
29.5	917.935	906.525	879.711	867.731	866.590
30.0	913.941	900.820	873.436	860.885	859.744
30.5	907.095	893.974	867.160	854.609	852.327
31.0	903.672	887.128	860.885	847.763	845.481
31.5	897.397	881.423	853.468	841.488	838.635
32.0	891.121	875.147	846.622	834.642	831.219
32.5	887.128	869.442	839.776	827.796	824.943
33.0	879.141	863.737	834.071	819.809	816.956
33.5	874.006	856.321	827.225	813.533	809.540
34.0	868.872	850.045	819.809	806.117	802.123
34.5	861.455	843.199	813.533	799.271	794.707
35.0	855.180	837.494	805.546	791.284	787.290
35.5	850.616	831.219	799.841	784.438	781.015
36.0	843.199	823.232	791.854	777.021	774.169
36.5	836.353	816.956	784.438	769.605	765.611
37.0	831.219	810.110	777.021	762.188	759.336
37.5	824.373	802.694	769.605	754.201	751.919
38.0	816.956	795.277	762.188	746.214	743.362
38.5	810.110	787.861	754.772	739.368	736.516
39.0	803.835	781.585	747.926	731.381	729.099
39.5	796.418	774.739	741.650	723.394	721.112
40.0	790.713	768.464	733.093	715.978	712.555
40.5	782.726	760.477	725.106	708.561	703.997
41.0	776.451	752.490	717.119	700.574	696.010
41.5	769.605	745.073	710.273	693.158	688.594
42.0	762.759	737.657	702.856	684.030	680.607
42.5	755.913	730.240	694.299	676.043	672.620
43.0	748.496	722.253	686.312	668.056	664.062
43.5	742.221	713.696	678.325	660.069	655.505
44.0	735.945	706.279	670.908	652.652	648.088
44.5	727.958	699.433	662.351	645.236	640.101
45.0	721.112	691.446	655.505	637.249	631.544
45.5	714.266	684.600	647.518	628.121	621.845
46.0	706.279	676.043	639.531	618.993	613.858
46.5	698.863	669.197	632.114	611.006	606.442
47.0	691.446	661.210	624.127	603.019	596.743
47.5	684.030	653.223	614.999	594.461	588.756
48.0	676.043	644.665	607.583	586.474	580.769
48.5	669.197	637.819	599.025	577.917	571.071
49.0	661.210	629.832	590.468	569.131	562.855
49.5	653.793	620.704	581.910	560.516	554.013
50.0	645.806	613.288	573.923	552.130	545.911
50.5	638.390	604.730	566.164	543.858	537.525
51.0	629.832	596.743	557.949	535.357	528.397
51.5	621.845	588.756	549.334	527.370	520.182
52.0	614.429	580.199	541.233	518.585	512.024
52.5	607.583	571.641	532.790	510.027	503.466
53.0	599.025	563.483	523.719	501.584	494.624
53.5	591.038	555.097	515.504	492.627	485.324
54.0	583.622	546.995	506.547	484.126	476.310
54.5	574.494	538.951	498.047	475.284	468.381

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CANDELA TABULATION - (Cont.)

55.0	566.792	530.109	489.831	466.954	460.108
55.5	558.748	522.179	481.445	457.940	450.638
56.0	550.361	514.078	473.116	449.611	441.567
56.5	541.347	505.121	464.729	440.882	432.268
57.0	533.703	496.677	456.457	431.640	423.996
57.5	526.572	488.234	447.614	423.026	414.868
58.0	518.185	479.791	438.715	414.012	404.827
58.5	508.943	471.062	430.100	405.055	395.927
59.0	500.443	462.561	421.200	396.098	385.772
59.5	491.714	453.833	412.700	387.198	376.074
60.0	483.670	445.218	403.857	377.557	366.774
60.5	475.569	436.775	395.585	368.486	357.076
61.0	466.612	427.989	386.685	358.502	347.092
61.5	458.169	419.260	378.242	348.576	337.679
62.0	449.668	410.475	369.855	339.162	328.779
62.5	440.711	402.317	360.955	330.262	318.339
63.0	432.496	393.588	352.227	320.849	308.755
63.5	424.224	384.973	343.213	312.178	299.912
64.0	416.009	376.074	334.769	302.479	290.213
64.5	407.850	367.117	326.554	292.267	280.401
65.0	399.464	358.502	318.453	282.455	270.246
65.5	390.336	350.059	310.295	272.642	259.806
66.0	381.379	341.730	300.996	262.772	249.480
66.5	373.050	333.286	291.697	253.131	239.382
67.0	364.550	325.185	282.340	243.090	229.626
67.5	356.391	317.255	272.699	233.449	219.528
68.0	346.978	308.469	263.400	223.636	209.830
68.5	338.249	300.026	254.956	213.652	199.618
69.0	330.034	291.297	245.600	203.840	189.349
69.5	322.218	282.854	235.217	193.856	179.251
70.0	314.403	274.353	225.290	184.043	168.982
70.5	306.473	265.739	216.105	174.345	160.653
71.0	296.945	257.524	206.749	164.076	153.807
71.5	288.103	248.681	197.108	153.978	147.246
72.0	280.116	239.724	187.580	146.276	140.799
72.5	271.159	231.338	177.825	140.001	134.353
73.0	262.145	222.324	168.469	133.440	128.248
73.5	253.530	213.766	159.284	127.164	121.973
74.0	244.745	205.551	150.042	120.775	115.583
74.5	236.073	196.765	140.343	114.385	109.365
75.0	227.572	188.265	130.702	108.110	103.489
75.5	219.243	180.449	121.231	101.834	97.441
76.0	210.971	172.006	113.016	95.958	91.394
76.5	202.185	163.220	106.512	90.082	85.746
77.0	193.685	154.092	100.123	84.377	80.041
77.5	185.470	145.249	93.790	78.672	74.621
78.0	176.912	136.350	87.743	72.910	69.031
78.5	168.697	127.849	81.582	67.148	63.326
79.0	160.253	118.265	75.648	61.614	57.735
79.5	151.753	109.080	69.886	56.251	52.201
80.0	143.538	100.294	64.238	50.946	46.895
80.5	135.266	91.565	58.762	45.640	41.875
81.0	127.164	82.951	53.171	40.563	37.025
81.5	119.177	74.222	47.922	35.713	32.690
82.0	110.734	65.550	42.673	31.891	29.324
82.5	102.405	57.735	37.368	27.726	26.471

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CANDELA TABULATION - (Cont.)

83.0	94.418	51.231	32.176	24.703	23.676
83.5	86.203	45.241	27.384	21.850	20.538
84.0	77.987	39.593	23.391	18.769	17.857
84.5	69.829	34.287	20.310	16.145	15.689
85.0	61.500	29.324	17.286	14.091	13.749
85.5	53.570	24.246	14.263	12.209	11.923
86.0	45.697	19.397	11.866	10.383	10.155
86.5	37.824	14.947	9.927	8.558	8.272
87.0	30.351	12.152	8.044	6.846	6.618
87.5	22.706	8.672	6.276	5.135	4.963
88.0	15.404	6.218	4.564	3.651	3.537
88.5	9.870	4.450	3.423	3.024	2.738
89.0	5.762	2.853	3.423	3.195	2.339
89.5	2.795	1.654	3.252	2.225	1.883
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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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-L30-850-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 : APC-14-L30-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	393.94	N.A.	14.00
0-30	826.59	N.A.	29.50
0-40	1335.6	N.A.	47.60
0-60	2294.83	N.A.	81.80
0-80	2772.68	N.A.	98.90
0-90	2804.47	N.A.	100.00
10-90	2701.82	N.A.	96.30
20-40	941.66	N.A.	33.60
20-50	1454.23	N.A.	51.90
40-70	1278.61	N.A.	45.60
60-80	477.85	N.A.	17.00
70-80	158.47	N.A.	5.70
80-90	31.79	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	2804.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.65
10-20	291.29
20-30	432.65
30-40	509.00
40-50	512.57
50-60	446.65
60-70	319.39
70-80	158.47
80-90	31.79
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-L30-850-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	123	123	123	123	120	120	120	120	114	114	114	110	110	110	105	105	105	103
1	113	108	104	100	110	106	102	98	101	98	95	97	95	92	94	92	90	88
2	103	95	88	82	100	93	86	81	89	84	79	86	81	77	83	79	76	74
3	94	83	75	69	91	82	74	68	79	72	67	76	70	66	73	69	65	62
4	86	74	65	59	84	73	64	58	70	63	57	68	62	57	66	60	56	54
5	79	66	57	51	77	65	57	50	63	55	50	61	54	49	59	53	49	47
6	73	60	51	44	71	59	50	44	57	49	44	55	48	43	54	48	43	41
7	68	54	45	39	66	53	45	39	52	44	39	50	44	38	49	43	38	36
8	63	50	41	35	62	49	41	35	48	40	35	46	39	35	45	39	34	32
9	59	46	37	32	58	45	37	32	44	36	31	43	36	31	42	36	31	29
10	56	42	34	29	54	42	34	29	41	33	29	40	33	28	39	33	28	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : APC-14-L30-850-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	16.2	17.8	16.5	18.1	18.4	UGR Viewed Endwise	15.0	16.6	15.4	17.0	17.3
	3H	18.1	19.6	18.5	19.9	20.2		16.3	17.7	16.6	18.0	18.4
	4H	18.9	20.2	19.3	20.6	20.9		16.6	17.9	17.0	18.3	18.7
	6H	19.4	20.7	19.9	21.1	21.5		16.7	18.0	17.1	18.4	18.7
	8H	19.6	20.8	20.0	21.2	21.6		16.7	17.9	17.2	18.3	18.7
	12H	19.8	20.9	20.2	21.3	21.7		16.7	17.9	17.2	18.3	18.7

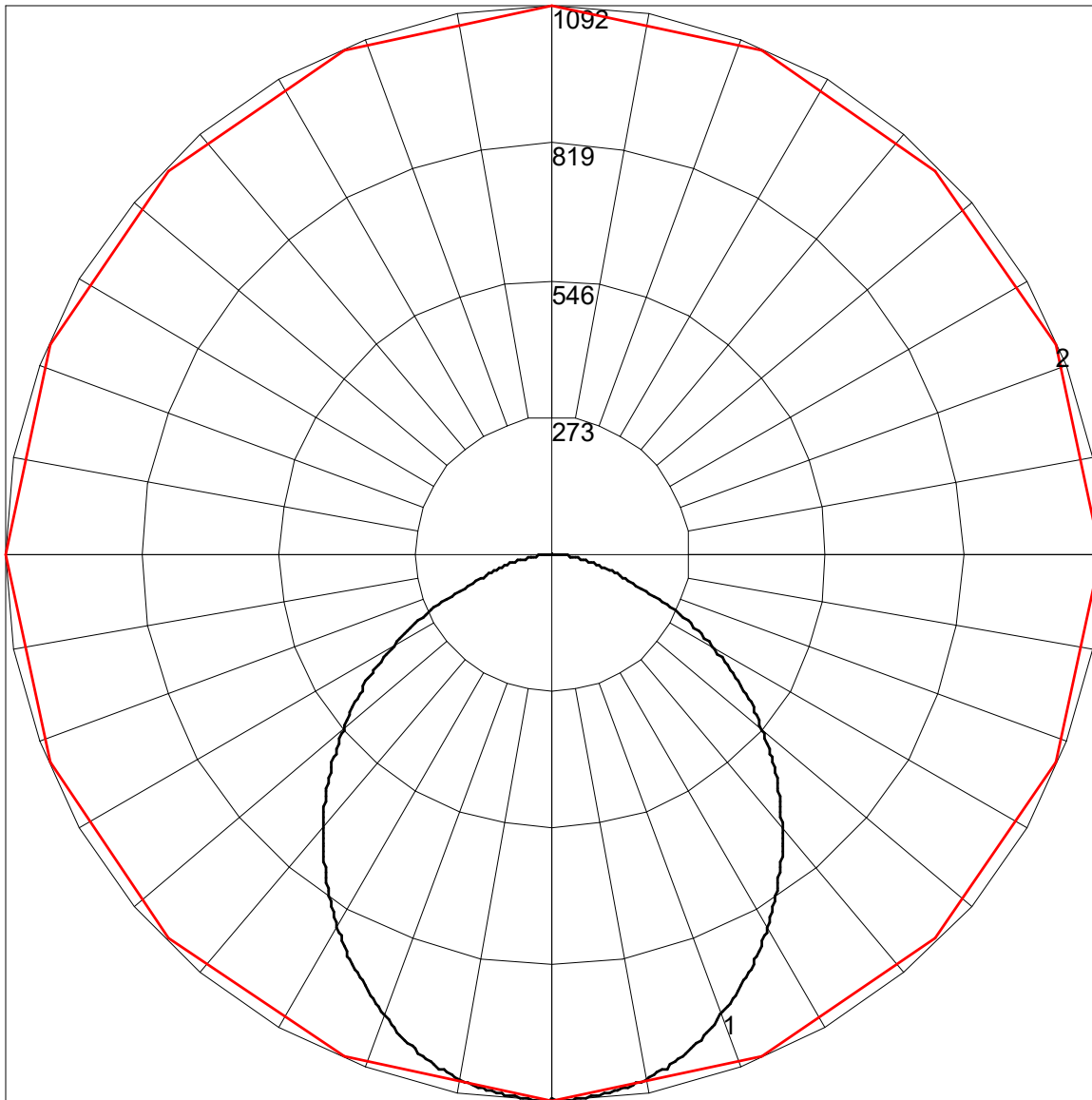
4H	2H	16.6	18.0	17.0	18.3	18.7	15.7	17.1	16.1	17.4	17.8
	3H	18.7	19.9	19.2	20.3	20.7	17.1	18.2	17.5	18.6	19.0
	4H	19.6	20.6	20.0	21.0	21.5	17.5	18.5	17.9	18.9	19.3
	6H	20.3	21.2	20.8	21.6	22.1	17.7	18.6	18.2	19.0	19.5
	8H	20.5	21.4	21.0	21.8	22.3	17.7	18.6	18.2	19.0	19.5
	12H	20.7	21.4	21.2	21.9	22.4	17.7	18.5	18.2	19.0	19.4

8H	4H	19.7	20.5	20.2	21.0	21.4	17.8	18.6	18.2	19.0	19.5
	6H	20.5	21.2	21.0	21.7	22.1	18.0	18.7	18.5	19.2	19.7
	8H	20.7	21.4	21.2	21.9	22.3	18.1	18.7	18.6	19.2	19.7
	12H	21.0	21.5	21.5	22.0	22.6	18.1	18.6	18.6	19.1	19.7

12H	4H	19.7	20.4	20.2	20.9	21.4	17.8	18.5	18.3	19.0	19.5
	6H	20.5	21.1	21.0	21.5	22.1	18.1	18.7	18.6	19.2	19.7
	8H	20.8	21.3	21.3	21.8	22.4	18.2	18.7	18.7	19.2	19.7

Maximum UGR = 22.6

POLAR GRAPH



Maximum Candela = 1091.937 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.)