



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AIWP33-4-L6-835-S-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13362254.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 3-JUN-2020

[MANUFAC] H E Williams Inc

[LUMCAT] AIWP33-4-L6/835-S-DIM-UNV

[LUMINAIRE] Formed white steel housing, prismatic lens enclosure

[LAMP] 112 White LEDs

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

[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2405
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	20.8
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.29 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2209	1693	798
55	2598	1869	640
65	3138	2102	473
75	4214	2518	385
85	9230	4667	448

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	112.323	112.323	112.323	112.323	112.323	112.323	112.323	112.323	112.323
0.5	111.340	113.061	112.876	113.491	114.413	112.569	111.156	110.787	109.190
1.0	112.446	114.228	113.675	113.921	114.413	112.078	110.234	109.558	108.084
1.5	113.491	115.334	114.536	114.351	114.413	111.586	109.313	108.452	106.978
2.0	114.597	116.502	115.396	114.781	114.351	111.033	108.391	107.285	105.872
2.5	115.703	117.608	116.133	115.211	114.290	110.542	107.469	106.056	104.827
3.0	116.748	118.775	116.932	115.580	114.228	109.988	106.548	104.950	103.660
3.5	117.854	119.881	117.731	115.949	114.167	109.497	105.626	103.721	102.615
4.0	118.960	120.987	118.530	116.317	114.044	108.882	104.643	102.554	101.447
4.5	120.004	122.093	119.328	116.686	113.921	108.329	103.721	101.386	100.280
5.0	121.172	123.138	120.066	116.993	113.798	107.715	102.738	100.157	99.235
5.5	122.278	124.244	120.803	117.301	113.675	107.101	101.755	98.990	98.068
6.0	123.507	125.350	121.540	117.608	113.491	106.486	100.772	97.822	96.962
6.5	124.674	126.333	122.278	117.915	113.245	105.872	99.788	96.655	95.856
7.0	125.903	127.378	122.954	118.222	113.061	105.257	98.805	95.426	94.750
7.5	127.071	128.484	123.691	118.468	112.876	104.581	97.822	94.197	93.582
8.0	128.238	129.467	124.367	118.714	112.631	103.905	96.839	93.029	92.538
8.5	129.405	130.450	125.043	118.898	112.385	103.291	95.856	91.800	91.370
9.0	130.573	131.433	125.657	119.144	112.078	102.615	94.811	90.633	90.264
9.5	131.679	132.416	126.272	119.390	111.832	101.939	93.828	89.466	89.158
10.0	132.724	133.338	126.948	119.513	111.525	101.263	92.845	88.298	88.052
10.5	133.830	134.260	127.501	119.697	111.279	100.526	91.862	87.069	86.885
11.0	134.874	135.181	128.115	119.881	110.910	99.850	90.817	85.902	85.779
11.5	135.857	136.103	128.668	120.004	110.603	99.113	89.773	84.734	84.611
12.0	136.902	137.025	129.221	120.127	110.234	98.314	88.728	83.567	83.444
12.5	137.885	137.824	129.774	120.250	109.866	97.576	87.745	82.399	82.276
13.0	138.930	138.745	130.266	120.311	109.497	96.839	86.700	81.232	81.109
13.5	139.913	139.544	130.819	120.373	109.128	96.102	85.656	80.064	79.941
14.0	140.896	140.343	131.249	120.434	108.698	95.303	84.611	78.958	78.712
14.5	141.818	141.203	131.802	120.496	108.329	94.504	83.567	77.729	77.606
15.0	142.801	142.002	132.232	120.557	107.899	93.705	82.522	76.623	76.439
15.5	143.784	142.801	132.662	120.557	107.469	92.906	81.478	75.456	75.271
16.0	144.767	143.600	133.092	120.557	107.101	92.046	80.433	74.288	74.043
16.5	145.689	144.337	133.461	120.496	106.609	91.247	79.388	73.121	72.875
17.0	146.610	145.074	133.891	120.496	106.179	90.387	78.282	71.953	71.769
17.5	147.532	145.812	134.260	120.434	105.749	89.527	77.238	70.786	70.540
18.0	148.454	146.487	134.628	120.373	105.257	88.728	76.193	69.680	69.373
18.5	149.314	147.163	134.997	120.311	104.766	87.868	75.149	68.512	68.205
19.0	150.174	147.839	135.366	120.250	104.274	87.008	74.104	67.345	66.976
19.5	150.973	148.454	135.734	120.189	103.782	86.147	72.998	66.239	65.747
20.0	151.956	149.068	135.980	120.066	103.229	85.287	71.953	65.071	64.518
20.5	152.878	149.683	136.287	119.943	102.676	84.365	70.909	63.965	63.289
21.0	153.738	150.297	136.595	119.881	102.185	83.505	69.864	62.859	62.122
21.5	154.475	150.973	136.902	119.697	101.570	82.584	68.758	61.692	60.893
22.0	155.213	151.526	137.148	119.574	101.017	81.662	67.714	60.586	59.664
22.5	155.950	152.079	137.455	119.390	100.403	80.802	66.669	59.480	58.435
23.0	156.810	152.694	137.701	119.205	99.788	79.818	65.563	58.435	57.268
23.5	157.548	153.247	137.885	119.083	99.174	78.897	64.457	57.329	56.039
24.0	158.408	153.861	138.131	118.837	98.498	77.975	63.412	56.285	54.810
24.5	159.207	154.414	138.377	118.652	97.822	76.992	62.368	55.179	53.704
25.0	159.883	154.967	138.561	118.468	97.208	76.070	61.323	54.134	52.475
25.5	160.497	155.520	138.745	118.222	96.532	75.087	60.279	53.028	51.246
26.0	161.173	156.012	138.868	118.038	95.856	74.104	59.234	51.922	50.079
26.5	161.788	156.503	138.991	117.792	95.119	73.182	58.189	50.877	48.911

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CANDELA TABULATION - (Cont.)

27.0	162.525	156.933	139.114	117.423	94.381	72.138	57.083	49.771	47.805
27.5	163.201	157.363	139.237	117.116	93.644	71.155	56.039	48.665	46.576
28.0	163.877	157.855	139.360	116.748	92.906	70.171	54.933	47.621	45.470
28.5	164.430	158.285	139.483	116.379	92.169	69.188	53.888	46.515	44.303
29.0	164.798	158.777	139.606	116.072	91.432	68.205	52.844	45.470	43.197
29.5	165.167	159.207	139.544	115.642	90.572	67.161	51.799	44.364	42.091
30.0	165.597	159.575	139.421	115.273	89.834	66.177	50.693	43.319	40.985
30.5	166.027	159.698	139.360	114.843	88.974	65.133	49.710	42.275	39.879
31.0	166.519	159.883	139.360	114.474	88.175	64.088	48.604	41.230	38.772
31.5	167.010	160.129	139.421	114.044	87.376	63.105	47.559	40.186	37.728
32.0	167.318	160.436	139.606	113.552	86.516	62.061	46.515	39.080	36.683
32.5	167.563	160.927	139.790	113.184	85.717	61.016	45.470	38.097	35.639
33.0	167.871	161.357	139.851	112.692	84.796	59.971	44.364	37.052	34.594
33.5	168.239	161.665	139.667	112.139	83.997	58.927	43.319	36.007	33.550
34.0	168.608	161.603	139.052	111.525	83.014	57.944	42.275	34.963	32.566
34.5	169.038	161.235	138.622	110.849	82.153	56.899	41.169	33.980	31.583
35.0	169.407	161.112	138.438	110.234	81.293	55.854	40.124	32.935	30.600
35.5	169.530	161.235	138.192	109.681	80.310	54.810	39.141	31.952	29.617
36.0	169.530	161.357	137.946	109.067	79.388	53.765	38.097	30.969	28.695
36.5	169.653	161.419	137.639	108.452	78.405	52.721	37.052	30.047	27.774
37.0	169.776	161.235	137.393	107.838	77.484	51.676	36.069	29.064	26.913
37.5	169.960	160.927	137.086	107.162	76.500	50.632	35.086	28.142	25.992
38.0	170.206	160.620	136.718	106.486	75.517	49.648	34.103	27.282	25.193
38.5	170.390	160.497	136.287	105.810	74.534	48.604	33.119	26.360	24.333
39.0	170.390	160.559	135.857	105.073	73.551	47.682	32.198	25.500	23.534
39.5	170.390	160.743	135.427	104.335	72.506	46.638	31.276	24.640	22.735
40.0	170.451	160.743	134.936	103.598	71.523	45.593	30.354	23.841	21.998
40.5	170.451	160.313	134.444	102.861	70.479	44.671	29.433	23.042	21.260
41.0	170.636	159.760	133.891	102.062	69.496	43.688	28.511	22.243	20.523
41.5	170.697	159.330	133.338	101.325	68.512	42.705	27.651	21.506	19.847
42.0	170.697	159.022	132.846	100.526	67.468	41.722	26.790	20.769	19.110
42.5	170.451	158.838	132.293	99.666	66.423	40.739	25.930	20.093	18.434
43.0	170.206	158.654	131.925	98.867	65.379	39.817	25.070	19.417	17.758
43.5	170.021	158.347	131.986	98.007	64.334	38.834	24.271	18.741	17.143
44.0	169.898	158.101	131.740	97.208	63.351	37.912	23.534	18.127	16.529
44.5	169.837	157.794	131.003	96.347	62.306	36.929	22.735	17.512	15.915
45.0	169.653	157.486	130.020	95.549	61.262	36.007	21.998	16.898	15.362
45.5	169.407	157.179	129.221	94.750	60.217	35.086	21.322	16.345	14.809
46.0	169.100	156.872	128.545	93.890	59.111	34.164	20.646	15.730	14.255
46.5	168.915	156.503	128.054	93.091	58.128	33.242	19.970	15.177	13.702
47.0	168.731	156.135	127.562	92.231	57.083	32.382	19.294	14.624	13.149
47.5	168.608	155.704	127.071	91.370	56.039	31.460	18.680	14.071	12.658
48.0	168.485	155.336	126.333	90.572	54.933	30.600	18.127	13.580	12.166
48.5	168.178	154.906	125.657	89.834	53.888	29.740	17.512	13.088	11.736
49.0	167.748	154.475	124.920	89.158	52.782	28.880	17.021	12.596	11.245
49.5	167.379	154.045	124.305	88.237	51.676	28.019	16.468	12.105	10.815
50.0	167.010	153.615	123.691	87.192	50.632	27.159	15.915	11.613	10.384
50.5	166.765	153.124	123.015	86.209	49.526	26.360	15.423	11.183	9.954
51.0	166.335	152.632	122.401	85.226	48.420	25.562	14.931	10.753	9.524
51.5	165.904	152.018	121.725	84.243	47.375	24.763	14.378	10.323	9.094
52.0	165.351	151.465	120.987	83.321	46.269	24.025	13.887	9.893	8.725
52.5	164.798	150.912	120.250	82.399	45.163	23.227	13.334	9.524	8.357
53.0	164.245	150.297	119.574	81.478	44.057	22.428	12.904	9.155	7.988
53.5	163.815	149.621	118.837	80.556	43.012	21.690	12.412	8.725	7.681
54.0	163.262	148.945	118.161	79.511	41.968	20.953	11.982	8.418	7.312
54.5	162.586	148.515	117.423	78.405	40.923	20.277	11.552	8.049	7.005

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CANDELA TABULATION - (Cont.)

55.0	161.849	148.454	116.440	77.299	39.879	19.601	11.060	7.681	6.698
55.5	161.173	148.269	115.396	76.255	38.834	18.925	10.630	7.374	6.390
56.0	160.497	147.286	114.474	75.210	37.789	18.249	10.261	7.066	6.145
56.5	159.821	145.750	113.552	74.165	36.806	17.635	9.831	6.759	5.837
57.0	159.084	144.460	112.631	73.059	35.823	17.021	9.463	6.452	5.592
57.5	158.224	143.722	111.648	72.015	34.840	16.406	9.094	6.206	5.346
58.0	157.363	143.169	110.664	70.909	33.857	15.853	8.787	5.960	5.100
58.5	156.565	142.493	109.681	69.741	32.874	15.300	8.418	5.714	4.854
59.0	155.766	141.265	108.698	68.635	31.891	14.747	8.111	5.469	4.670
59.5	154.906	139.974	107.715	67.591	30.969	14.255	7.742	5.223	4.486
60.0	153.922	139.237	106.670	66.423	29.986	13.702	7.435	5.039	4.301
60.5	153.001	138.438	105.626	65.317	29.064	13.211	7.128	4.854	4.117
61.0	152.018	137.393	104.643	64.150	28.142	12.719	6.882	4.608	3.994
61.5	151.157	136.103	103.721	63.044	27.221	12.289	6.636	4.424	3.810
62.0	150.236	135.304	102.861	61.876	26.360	11.798	6.390	4.301	3.687
62.5	149.253	134.936	101.878	60.832	25.562	11.368	6.145	4.117	3.564
63.0	148.208	134.444	100.464	59.787	24.701	10.937	5.899	3.994	3.441
63.5	147.163	133.031	99.604	58.620	23.903	10.507	5.653	3.871	3.318
64.0	146.180	131.187	99.174	57.329	23.165	10.139	5.469	3.748	3.195
64.5	145.136	129.774	98.314	56.100	22.366	9.770	5.284	3.625	3.072
65.0	144.030	128.668	96.470	54.933	21.690	9.401	5.100	3.502	3.011
65.5	142.924	127.501	94.873	53.765	20.953	9.033	4.916	3.441	2.888
66.0	141.818	126.395	93.705	52.659	20.277	8.664	4.731	3.318	2.827
66.5	140.712	125.289	92.538	51.430	19.601	8.295	4.547	3.257	2.704
67.0	139.606	124.183	91.309	50.263	18.987	7.988	4.424	3.134	2.642
67.5	138.438	123.015	90.141	49.095	18.372	7.619	4.301	3.072	2.581
68.0	137.209	121.725	88.912	47.928	17.758	7.312	4.117	3.011	2.519
68.5	135.980	120.557	87.622	46.760	17.205	7.005	3.994	2.888	2.458
69.0	134.751	119.267	86.332	45.593	16.652	6.698	3.871	2.827	2.396
69.5	133.522	117.976	85.226	44.426	16.099	6.452	3.810	2.765	2.335
70.0	132.232	116.748	84.243	43.197	15.546	6.206	3.687	2.704	2.274
70.5	130.942	115.396	83.014	42.029	14.993	5.960	3.564	2.642	2.212
71.0	129.590	114.105	81.478	40.862	14.501	5.714	3.502	2.581	2.151
71.5	128.238	112.754	80.433	39.817	14.010	5.469	3.441	2.519	2.089
72.0	126.948	111.402	79.634	38.650	13.518	5.284	3.318	2.458	2.028
72.5	125.534	110.111	78.037	37.421	13.088	5.039	3.257	2.458	2.028
73.0	124.121	108.698	76.193	36.253	12.596	4.854	3.195	2.396	2.028
73.5	122.769	107.346	74.841	35.147	12.166	4.670	3.134	2.335	1.966
74.0	121.356	105.933	73.428	34.103	11.736	4.547	3.072	2.335	1.905
74.5	119.943	104.520	72.076	33.058	11.306	4.363	3.011	2.274	1.905
75.0	118.468	103.107	70.786	32.013	10.815	4.240	2.949	2.274	1.843
75.5	116.993	101.632	69.434	31.030	10.323	4.117	2.888	2.212	1.843
76.0	115.580	100.219	68.144	30.047	9.893	3.994	2.888	2.212	1.782
76.5	114.105	98.867	66.730	29.187	9.463	3.871	2.827	2.151	1.782
77.0	112.631	97.884	65.379	28.265	9.033	3.748	2.827	2.151	1.782
77.5	111.156	97.331	64.088	27.466	8.664	3.687	2.765	2.089	1.782
78.0	109.681	95.610	62.921	26.606	8.295	3.564	2.765	2.089	1.720
78.5	108.207	93.337	61.938	25.807	7.988	3.502	2.704	2.089	1.720
79.0	106.670	92.046	60.279	25.070	7.742	3.441	2.704	2.089	1.720
79.5	105.134	90.940	58.742	24.333	7.374	3.380	2.642	2.089	1.720
80.0	103.660	89.097	57.329	23.595	7.066	3.318	2.642	2.089	1.720
80.5	102.001	87.253	55.977	22.919	6.759	3.257	2.642	2.028	1.720
81.0	100.464	85.840	54.626	22.305	6.452	3.195	2.642	2.028	1.720
81.5	98.867	84.181	53.274	21.629	6.206	3.195	2.581	2.089	1.720
82.0	97.208	82.706	51.922	20.953	5.899	3.134	2.581	2.028	1.720
82.5	95.610	82.092	50.570	20.339	5.592	3.134	2.581	2.089	1.720

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CANDELA TABULATION - (Cont.)

83.0	93.951	80.679	49.280	19.786	5.284	3.072	2.581	2.089	1.782
83.5	92.292	78.221	48.174	19.171	4.977	3.072	2.581	2.089	1.782
84.0	90.694	76.193	47.498	18.557	4.731	3.011	2.581	2.089	1.843
84.5	88.974	74.596	45.777	18.004	4.486	3.011	2.581	2.151	1.905
85.0	87.376	73.059	44.180	17.451	4.240	3.011	2.642	2.151	1.966
85.5	85.656	71.646	42.889	16.898	4.055	3.011	2.642	2.212	2.028
86.0	83.997	70.171	41.660	16.345	3.871	3.011	2.704	2.274	2.151
86.5	82.461	68.697	40.493	15.792	3.748	3.011	2.704	2.335	2.274
87.0	80.740	66.976	39.325	15.239	3.625	3.011	2.765	2.458	2.396
87.5	79.143	65.502	38.219	14.686	3.502	3.011	2.888	2.519	2.519
88.0	77.545	64.027	37.113	14.194	3.441	3.072	2.949	2.704	2.642
88.5	75.947	62.491	36.130	13.702	3.380	3.072	3.072	2.827	2.827
89.0	74.411	61.077	35.332	13.211	3.380	3.257	3.257	3.011	3.011
89.5	72.752	59.664	34.103	12.842	3.933	4.117	3.810	3.441	3.380
90.0	68.758	56.100	30.600	9.954	1.536	2.642	2.704	3.011	3.625
90.5	67.161	54.810	29.863	10.261	2.765	4.670	4.547	4.547	5.714
91.0	65.686	53.642	29.556	11.798	4.424	6.882	7.128	6.882	8.787
91.5	64.334	52.782	30.047	13.948	6.882	9.954	10.384	10.139	12.596
92.0	63.228	52.536	31.583	17.082	9.770	13.518	14.317	14.010	16.898
92.5	62.614	53.212	34.103	20.769	12.781	16.959	18.434	18.188	21.076
93.0	62.736	54.871	37.544	24.517	15.853	20.154	22.305	22.428	25.070
93.5	63.904	57.514	41.476	28.265	19.048	23.165	25.992	26.483	29.003
94.0	66.300	60.955	45.716	31.952	22.182	26.176	29.494	30.354	32.935
94.5	69.496	64.949	50.201	35.639	25.377	29.248	32.751	34.103	36.745
95.0	73.367	69.188	54.687	39.387	28.634	32.259	35.946	37.666	40.186
95.5	77.668	73.735	59.234	43.197	31.891	35.393	38.957	40.985	43.381
96.0	82.092	78.282	63.904	47.006	35.147	38.527	41.968	44.180	46.392
96.5	86.762	82.952	68.512	50.816	38.465	41.722	44.979	47.252	49.648
97.0	91.555	87.745	73.244	54.687	41.783	44.856	48.051	50.263	52.721
97.5	96.286	92.722	78.037	58.558	45.101	48.051	51.062	53.274	55.732
98.0	101.263	97.884	83.014	62.614	48.481	51.246	54.134	56.346	58.681
98.5	106.425	103.045	88.052	66.669	51.860	54.380	57.145	59.418	61.630
99.0	111.648	108.391	93.214	70.724	55.179	57.514	60.217	62.368	64.703
99.5	117.178	113.921	98.498	74.841	58.620	60.709	63.351	65.440	67.836
100.0	122.708	119.636	104.028	79.020	61.938	63.904	66.423	68.512	70.847
100.5	128.545	125.657	109.681	83.259	65.317	67.099	69.557	71.585	73.920
101.0	134.751	131.986	115.642	87.622	68.758	70.233	72.629	74.718	76.869
101.5	141.203	138.377	121.663	92.169	72.138	73.367	75.763	77.729	80.003
102.0	147.962	145.136	127.931	96.655	75.579	76.562	78.835	80.802	83.137
102.5	154.906	152.202	134.444	101.263	79.020	79.757	81.969	83.997	86.270
103.0	162.402	159.637	141.265	105.995	82.399	82.952	85.103	87.131	89.281
103.5	170.144	167.502	148.269	110.910	85.840	86.147	88.237	90.264	92.353
104.0	178.132	175.551	155.520	115.949	89.343	89.281	91.370	93.337	95.364
104.5	186.796	183.908	162.955	121.049	92.845	92.476	94.381	96.470	98.498
105.0	195.706	192.633	170.820	126.210	96.409	95.733	97.515	99.543	101.632
105.5	205.046	201.789	178.870	131.495	99.911	98.990	100.649	102.676	104.581
106.0	214.754	211.497	187.103	137.025	103.475	102.308	103.721	105.749	107.592
106.5	224.954	221.513	195.583	142.678	107.162	105.503	106.793	108.821	110.603
107.0	235.707	231.713	204.370	148.454	110.849	108.760	109.866	111.770	113.614
107.5	246.767	242.220	213.464	154.230	114.597	111.955	112.999	114.843	116.625
108.0	258.258	253.342	222.804	160.251	118.345	115.273	116.072	117.915	119.636
108.5	270.240	264.894	232.328	166.396	122.155	118.530	119.205	121.049	122.646
109.0	282.468	276.815	242.036	172.725	126.087	121.786	122.339	124.060	125.596
109.5	295.310	288.981	252.052	179.177	130.020	125.104	125.411	127.071	128.607
110.0	308.398	301.270	262.313	185.690	134.014	128.422	128.545	130.081	131.679
110.5	321.855	314.112	272.882	192.326	138.008	131.802	131.740	133.215	134.690

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CANDELA TABULATION - (Cont.)

111.0	335.864	327.569	283.635	199.208	142.186	135.304	134.936	136.410	137.762
111.5	349.935	341.272	294.573	206.090	146.365	138.745	138.131	139.544	140.712
112.0	364.621	355.281	305.817	213.156	150.666	142.248	141.387	142.616	143.845
112.5	379.552	369.230	317.308	220.346	154.967	145.750	144.767	145.750	146.918
113.0	394.914	383.608	329.044	227.719	159.391	149.375	148.085	148.945	150.051
113.5	410.521	398.539	341.026	235.093	163.938	153.124	151.465	152.325	153.247
114.0	426.436	413.778	353.192	242.712	168.485	156.872	154.844	155.581	156.380
114.5	442.658	429.262	365.604	250.331	173.155	160.559	158.347	158.900	159.637
115.0	459.125	444.624	378.446	258.135	177.825	164.368	161.910	162.095	162.771
115.5	473.749	460.354	391.473	266.062	182.556	168.239	165.474	165.474	166.027
116.0	490.954	473.934	404.684	274.172	187.349	172.233	169.100	168.915	169.345
116.5	508.098	490.033	418.141	282.283	192.326	176.227	172.786	172.356	172.725
117.0	525.548	506.623	431.782	290.456	197.242	180.344	176.473	175.797	176.043
117.5	543.491	523.029	445.668	298.812	202.342	184.461	180.283	179.238	179.300
118.0	561.310	539.742	459.187	307.476	207.442	188.639	184.031	182.864	182.679
118.5	579.928	556.333	471.660	316.386	212.603	192.941	187.841	186.550	186.182
119.0	598.301	573.046	485.608	325.173	217.949	197.365	191.835	190.176	189.746
119.5	616.304	590.067	500.048	333.837	223.295	201.789	195.890	193.862	193.309
120.0	635.353	607.333	514.672	342.746	228.579	206.336	199.946	197.611	196.935
120.5	653.172	624.292	529.297	351.963	233.987	210.944	204.001	201.605	200.560
121.0	671.606	642.112	543.859	361.303	239.701	215.676	208.179	205.660	204.493
121.5	690.040	659.317	558.238	370.581	245.416	220.530	212.419	209.777	208.425
122.0	708.473	677.136	572.985	379.737	251.069	225.446	216.843	213.894	212.481
122.5	726.907	694.955	587.486	388.892	256.722	230.423	221.206	218.072	216.475
123.0	745.956	713.389	602.172	398.232	262.559	235.523	225.691	222.496	220.530
123.5	765.004	731.208	616.919	407.633	268.581	240.684	230.238	226.920	224.770
124.0	784.667	749.028	631.666	417.219	274.603	245.969	234.847	231.345	229.194
124.5	803.715	767.462	645.798	426.620	280.563	251.192	239.578	235.830	233.557
125.0	822.763	784.667	660.545	435.653	286.523	256.599	244.494	240.316	237.858
125.5	842.426	803.100	674.064	444.440	292.483	262.068	249.410	244.986	242.220
126.0	862.703	820.920	686.967	453.042	298.567	267.598	254.325	249.717	246.583
126.5	881.751	837.510	699.871	460.784	304.650	273.128	259.302	254.448	251.130
127.0	899.571	852.872	711.546	467.912	310.610	278.719	264.464	259.118	255.862
127.5	917.390	866.390	721.377	474.364	316.509	284.434	269.748	263.850	260.531
128.0	932.752	878.679	729.365	480.324	322.346	290.210	274.971	268.642	265.263
128.5	946.270	888.510	736.739	486.100	328.184	296.047	280.256	273.558	270.056
129.0	957.330	896.498	742.269	491.692	333.898	301.946	285.601	278.535	274.848
129.5	966.547	902.029	746.570	495.931	339.490	307.783	291.070	283.389	279.825
130.0	973.306	906.330	749.642	500.171	344.958	313.559	296.539	288.489	284.864
130.5	977.607	909.402	751.486	503.796	350.304	319.397	302.069	293.651	290.026
131.0	980.065	911.245	752.715	506.746	355.527	325.296	307.538	298.935	295.187
131.5	981.294	911.245	753.329	509.388	360.566	331.072	313.129	304.220	300.348
132.0	980.680	911.245	753.329	511.293	365.420	336.663	318.598	309.565	305.571
132.5	979.451	909.402	752.100	513.198	370.028	342.070	324.067	314.973	311.040
133.0	977.607	907.559	751.486	514.550	374.637	347.539	329.658	320.441	316.570
133.5	974.535	905.715	750.257	516.024	379.061	352.885	335.066	326.033	322.162
134.0	971.463	902.643	747.799	517.007	383.362	357.801	340.534	331.563	327.692
134.5	967.776	899.571	746.570	518.175	387.356	362.778	345.819	336.970	333.161
135.0	964.089	896.498	744.112	518.728	391.227	367.509	351.103	342.439	338.568
135.5	960.402	892.812	742.269	519.465	395.037	372.240	356.142	347.785	344.037
136.0	956.101	889.125	739.811	520.203	398.785	376.787	361.119	353.192	349.628
136.5	952.414	885.438	737.353	520.325	402.288	381.212	365.911	358.354	355.035
137.0	947.499	880.522	735.510	521.063	405.729	385.451	370.581	363.454	360.197
137.5	942.583	875.607	732.437	521.616	408.985	389.630	375.190	368.431	365.236
138.0	937.053	871.306	729.980	522.292	412.180	393.747	379.491	373.224	370.151
138.5	931.523	866.390	727.522	522.783	415.314	397.679	383.669	377.709	375.005

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CANDELA TABULATION - (Cont.)

139.0	925.993	861.474	724.449	522.906	418.386	401.550	387.663	382.133	379.737
139.5	920.462	857.173	721.992	523.275	421.336	405.298	391.719	386.373	384.284
140.0	914.932	852.257	718.919	523.521	424.162	408.924	395.528	390.920	388.647
140.5	909.402	847.342	716.461	523.644	426.989	412.549	399.277	394.914	392.825
141.0	903.872	843.040	713.389	523.766	429.692	416.113	402.841	398.724	396.880
141.5	898.342	838.739	709.702	523.889	432.273	419.554	406.282	402.410	400.936
142.0	892.812	834.438	706.016	524.074	434.793	422.811	409.661	405.974	404.930
142.5	886.667	830.137	702.329	524.319	437.189	425.944	412.918	409.538	408.801
143.0	880.522	825.835	698.642	524.197	439.647	429.078	416.174	413.041	412.733
143.5	874.992	822.149	694.955	524.381	442.043	432.150	419.247	416.420	416.543
144.0	868.848	817.847	691.883	524.504	444.317	435.161	422.135	419.738	420.353
144.5	862.703	813.546	688.196	524.872	446.467	437.988	424.961	422.872	424.224
145.0	855.944	808.631	684.509	524.995	448.741	440.814	427.726	426.006	428.033
145.5	849.799	803.715	680.823	525.180	450.891	443.518	430.368	428.955	431.720
146.0	843.655	798.799	677.136	524.934	453.042	446.344	432.949	431.905	435.223
146.5	836.896	793.269	673.449	525.241	455.131	448.987	435.530	434.608	438.541
147.0	829.522	788.353	669.762	525.180	457.097	451.567	437.988	437.250	441.613
147.5	822.149	782.823	666.076	524.934	459.064	454.148	440.384	439.708	444.562
148.0	814.775	777.293	662.389	524.688	461.030	456.667	442.719	442.043	447.143
148.5	807.402	771.763	659.317	524.504	462.935	459.187	445.115	444.317	449.540
149.0	800.028	766.233	655.630	524.197	464.717	461.644	447.389	446.590	451.629
149.5	792.655	760.703	652.557	523.705	465.823	464.041	449.724	448.679	453.349
150.0	785.895	755.172	648.871	523.582	466.376	466.314	452.120	450.830	455.070
150.5	778.522	749.028	645.798	523.582	467.420	466.499	454.332	452.796	456.606
151.0	771.148	742.883	642.112	523.275	469.202	468.526	456.483	454.824	458.081
151.5	764.389	737.353	639.039	523.213	470.800	471.107	458.695	456.913	459.494
152.0	757.630	731.208	635.353	522.968	472.459	473.135	460.784	458.941	460.969
152.5	750.871	724.449	631.666	522.476	473.995	475.285	462.136	461.030	462.505
153.0	745.341	718.305	628.593	522.353	475.654	477.252	463.979	462.873	464.164
153.5	739.196	712.775	624.907	521.985	477.006	479.648	465.946	463.734	465.823
154.0	733.052	706.630	621.220	521.739	478.665	481.614	467.973	465.761	467.543
154.5	727.522	701.100	618.148	521.616	480.078	483.519	468.834	467.789	466.990
155.0	721.992	695.570	614.461	521.309	481.492	485.363	470.923	469.632	468.834
155.5	717.690	689.425	611.634	521.370	483.028	487.206	472.951	470.370	470.616
156.0	712.775	684.509	608.439	521.370	484.380	489.172	474.732	472.275	472.336
156.5	707.859	678.979	605.244	521.124	485.731	490.893	476.822	473.934	474.364
157.0	702.943	673.449	601.987	520.817	486.776	492.613	478.972	475.777	476.269
157.5	697.413	668.533	598.854	520.510	488.312	494.149	480.877	477.620	477.805
158.0	692.497	663.003	595.904	520.264	489.541	495.747	482.843	479.648	479.525
158.5	686.967	657.473	592.893	520.203	490.770	497.283	484.994	481.430	481.492
159.0	680.823	651.943	589.821	519.772	492.245	498.758	487.022	483.212	482.905
159.5	674.678	646.413	586.687	519.957	493.474	500.110	488.988	485.117	485.055
160.0	668.533	641.497	583.922	519.957	494.580	501.400	491.016	486.960	486.714
160.5	662.389	635.967	581.157	519.588	495.931	502.690	493.166	488.927	489.234
161.0	655.630	631.051	578.331	519.895	497.160	503.919	494.948	490.586	491.016
161.5	649.485	625.521	575.566	519.895	498.266	505.025	496.730	492.429	492.798
162.0	643.341	619.991	572.678	519.957	499.557	506.254	499.065	494.211	494.825
162.5	637.196	614.461	569.790	520.018	500.724	507.545	500.601	495.931	496.423
163.0	630.437	609.299	567.086	520.203	501.707	508.528	502.199	497.529	498.574
163.5	623.678	604.384	564.198	520.571	502.936	509.265	504.104	499.311	500.110
164.0	617.533	599.038	561.556	520.510	503.981	510.187	505.824	501.031	501.892
164.5	611.511	594.184	558.852	520.571	505.087	511.170	507.422	502.690	503.551
165.0	605.858	589.329	556.210	520.817	506.131	511.969	508.651	504.288	505.271
165.5	599.898	584.782	553.138	520.756	507.360	512.952	510.248	506.193	507.176
166.0	594.860	580.604	550.373	520.878	508.282	513.566	511.416	508.036	508.466
166.5	589.514	576.364	547.853	520.878	509.019	514.427	512.583	509.388	510.064

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CANDELA TABULATION - (Cont.)

167.0	584.475	572.247	545.395	520.756	509.941	515.164	513.689	511.170	511.662
167.5	579.805	567.885	542.753	520.756	510.740	515.471	514.611	512.829	513.382
168.0	575.381	564.014	540.357	520.448	511.907	516.086	515.410	514.488	514.611
168.5	570.527	559.712	538.329	520.448	512.337	516.700	516.209	515.717	516.454
169.0	565.918	556.087	536.117	520.387	513.321	517.007	516.946	517.007	517.868
169.5	561.986	552.216	534.028	520.387	513.935	517.376	517.499	518.544	518.789
170.0	557.500	548.898	532.185	520.264	514.857	517.745	517.868	519.281	520.387
170.5	553.322	545.518	530.648	520.448	515.471	517.868	518.236	520.203	521.370
171.0	550.373	542.630	528.744	520.694	515.963	518.113	518.298	521.001	521.985
171.5	546.686	539.558	527.392	520.448	516.577	518.421	518.236	521.616	523.091
172.0	543.306	537.162	526.101	520.633	516.946	518.421	518.236	521.739	523.398
172.5	540.295	534.581	524.934	520.571	517.438	518.728	518.544	522.107	523.582
173.0	537.407	532.676	523.828	520.633	517.991	519.035	518.298	522.415	523.766
173.5	534.827	530.341	522.722	520.756	518.482	518.789	518.113	521.985	523.705
174.0	532.922	528.313	521.739	520.694	518.666	519.097	517.745	521.862	523.091
174.5	530.157	526.409	520.878	520.756	518.974	519.158	517.376	521.432	522.538
175.0	527.638	524.872	520.203	520.817	519.035	519.035	517.130	520.756	521.800
175.5	525.548	523.275	519.404	520.633	519.342	519.035	516.946	520.387	521.186
176.0	524.074	522.046	518.605	520.264	519.465	518.851	516.639	519.650	519.895
176.5	522.292	520.878	517.929	520.264	519.527	518.912	516.454	518.974	519.219
177.0	521.063	519.650	517.253	520.141	519.711	518.974	516.024	518.482	518.359
177.5	519.711	518.544	516.639	519.895	519.957	518.851	515.963	517.868	517.560
178.0	519.097	517.929	516.331	519.711	519.772	519.035	515.778	517.130	517.130
178.5	518.052	517.315	516.024	519.527	519.834	519.158	515.225	516.639	516.209
179.0	517.376	516.516	515.594	519.465	519.895	518.974	515.287	516.331	516.270
179.5	516.639	516.516	515.533	519.281	519.895	519.158	514.980	516.270	516.762
180.0	517.192	517.192	517.192	517.192	517.192	517.192	517.192	517.192	517.192

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	41.16	N.A.	1.70
0-30	87.64	N.A.	3.60
0-40	143.95	N.A.	6.00
0-60	259.42	N.A.	10.80
0-80	346.10	N.A.	14.40
0-90	372.41	N.A.	15.50
10-90	361.78	N.A.	15.00
20-40	102.79	N.A.	4.30
20-50	161.89	N.A.	6.70
40-70	164.19	N.A.	6.80
60-80	86.68	N.A.	3.60
70-80	37.96	N.A.	1.60
80-90	26.31	N.A.	1.10
90-110	187.37	N.A.	7.80
90-120	443.44	N.A.	18.40
90-130	825.41	N.A.	34.30
90-150	1580.65	N.A.	65.70
90-180	2032.53	N.A.	84.50
110-180	1845.17	N.A.	76.70
0-180	2404.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	10.64
10-20	30.52
20-30	46.48
30-40	56.31
40-50	59.09
50-60	56.37
60-70	48.72
70-80	37.96
80-90	26.31
90-100	49.77
100-110	137.60
110-120	256.07
120-130	381.96
130-140	410.28
140-150	344.97
150-160	251.10
160-170	150.89
170-180	49.90

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AIWP33-4-L6-835-S-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	61	61	61	61	53	53	53	53	39	39	39	27	27	27	15	15	15	10
1	55	52	50	48	48	46	44	42	34	33	32	23	22	22	13	12	12	7
2	50	46	42	39	44	40	37	34	30	28	26	20	19	18	11	10	10	6
3	45	40	36	32	40	35	31	29	26	24	22	18	16	15	10	9	8	5
4	41	35	31	27	36	31	27	24	23	20	18	16	14	13	9	8	7	4
5	38	31	26	23	33	27	23	20	20	18	16	14	12	11	8	7	6	4
6	35	28	23	20	30	24	20	18	18	15	13	12	11	9	7	6	5	3
7	32	25	20	17	28	22	18	15	16	14	12	11	9	8	6	5	5	3
8	30	22	18	15	26	20	16	13	15	12	10	10	8	7	6	5	4	2
9	28	20	16	13	24	18	14	12	14	11	9	9	8	6	5	4	4	2
10	26	19	14	12	22	16	13	10	12	10	8	9	7	6	5	4	3	2

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AIWP33-4-L6-835-S-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

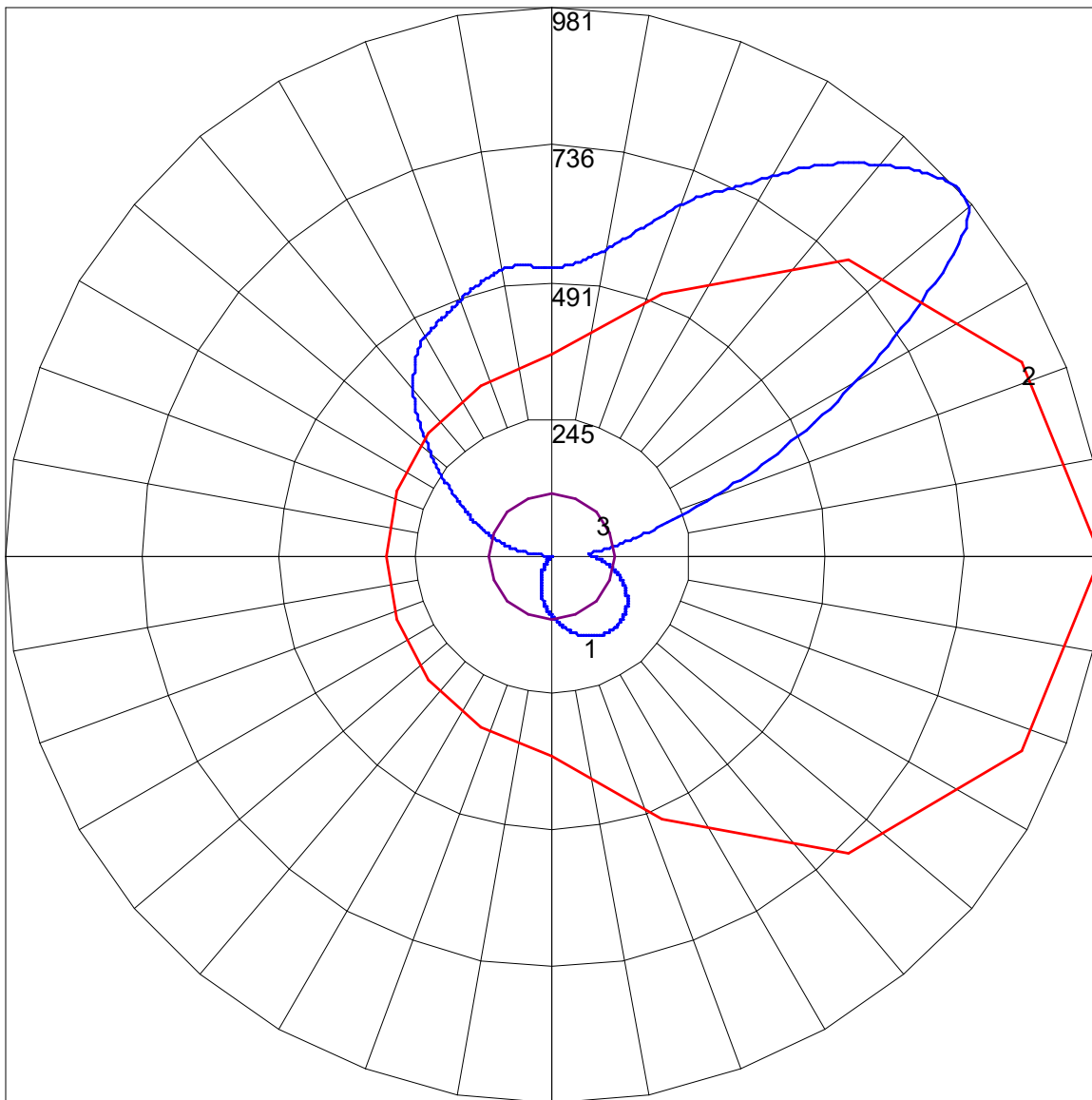
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	11.5	12.1	12.7	13.3	15.0	4.7	4.7	4.9	5.5	7.2
	3H	14.4	15.0	15.6	16.2	17.9	4.9	5.5	6.1	6.7	8.4
	4H	15.9	16.4	17.1	17.6	19.3	5.3	5.8	6.5	7.0	8.7
	6H	17.4	17.9	18.6	19.1	20.8	5.6	6.1	6.8	7.2	9.0
	8H	18.2	18.6	19.4	19.8	21.5	5.7	6.1	6.9	7.3	9.1
	12H	19.0	19.5	20.3	20.7	22.4	5.8	6.2	7.0	7.4	9.1
4H	2H	11.8	12.3	13.0	13.5	15.2	5.8	6.3	7.0	7.5	9.2
	3H	15.1	15.5	16.3	16.7	18.4	7.3	7.8	8.6	9.0	10.7
	4H	16.7	17.1	18.0	18.3	20.1	7.8	8.2	9.0	9.4	11.2
	6H	18.5	18.9	19.7	20.1	21.8	8.2	8.5	9.4	9.8	11.5
	8H	19.4	19.8	20.6	21.0	22.7	8.3	8.7	9.5	9.9	11.6
	12H	20.4	20.7	21.7	22.0	23.7	8.4	8.7	9.7	10.0	11.7
8H	4H	16.9	17.3	18.1	18.5	20.2	9.5	9.9	10.7	11.1	12.8
	6H	19.0	19.2	20.2	20.5	22.2	10.2	10.5	11.5	11.8	13.5
	8H	20.1	20.3	21.4	21.6	23.3	10.5	10.7	11.8	12.0	13.7
	12H	21.4	21.6	22.6	22.8	24.6	10.7	10.9	12.0	12.1	13.9
12H	4H	16.9	17.2	18.1	18.4	20.2	10.1	10.4	11.3	11.6	13.3
	6H	19.0	19.2	20.2	20.5	22.2	11.0	11.3	12.3	12.5	14.3
	8H	20.2	20.4	21.5	21.7	23.4	11.5	11.7	12.7	12.9	14.7

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 981.294 Located At Horizontal Angle = 0, Vertical Angle = 131.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (131.5) (Through Max. Cd.)
3 - Horizontal Cone Through Vertical Angle (0)