

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-850U-L13-850D-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 4792073931.01
[TESTLAB] UL, LLC
[ISSUE DATE] 2026-07-20
[TEST DATE] 12/30/2025
[MANUFAC] H E Williams Inc
[LUMCAT] CMH-2-00-L13-850U-L13-850D-DMA-DIM-UNV_
[LUMINAIRE] 2' wall mounted fixture with both up and down lighting
[MORE] compartments
[OTHER] This test was performed using the calibrated photodetector method
[MORE] of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2796
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	23.8
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.19 ft
Luminous Width (90-270)	1.83 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11551	10764	10151
55	11482	10259	9191
65	11502	9856	8045
75	11702	9572	6371
85	12301	9699	3867

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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	418.509	418.509	418.509	418.509	418.509	418.509	418.509	418.509	418.509
0.5	419.098	419.796	419.018	420.612	417.760	419.930	417.111	417.089	417.129
1.0	420.239	420.792	420.556	420.953	417.502	419.304	415.914	415.892	415.960
1.5	421.749	422.128	421.009	421.865	417.502	418.135	415.288	414.438	413.963
2.0	423.030	423.778	422.033	421.949	417.189	417.251	414.147	413.269	412.794
2.5	424.881	424.914	423.397	422.318	416.904	416.680	413.005	412.413	411.680
3.0	426.106	426.619	424.477	422.402	416.618	416.110	412.150	410.701	410.226
3.5	427.728	428.124	425.271	423.370	416.618	414.941	410.723	409.532	409.370
4.0	429.865	429.628	426.636	423.453	416.020	413.799	410.153	408.106	407.373
4.5	430.832	430.875	427.715	423.280	415.735	413.514	408.726	406.679	405.634
5.0	431.369	432.435	428.649	424.219	415.164	412.088	407.015	405.225	403.950
5.5	433.360	433.710	428.956	424.331	414.308	410.661	406.159	403.799	403.094
6.0	434.697	434.728	429.778	424.158	413.710	410.348	405.018	402.630	401.355
6.5	435.776	436.657	430.628	424.012	413.167	409.235	403.535	400.605	399.671
7.0	436.855	437.876	431.193	424.068	412.854	408.323	402.109	398.865	397.646
7.5	437.957	438.894	431.785	423.950	411.400	406.897	400.397	397.439	395.649
8.0	440.076	439.626	432.518	423.206	410.544	405.471	398.971	395.699	393.652
8.5	441.954	440.700	433.250	423.631	410.259	404.615	397.517	393.987	391.683
9.0	444.520	441.829	433.898	423.173	408.832	403.160	395.777	391.677	389.686
9.5	445.789	442.813	434.290	423.312	407.948	401.449	394.065	389.938	389.116
10.0	447.204	444.339	434.653	422.909	407.093	400.280	392.639	388.226	385.978
10.5	448.590	445.239	435.301	422.478	405.666	398.881	390.899	386.201	384.579
11.0	449.434	445.882	435.692	421.790	405.068	397.427	388.875	384.775	382.582
11.5	450.195	446.893	435.798	421.102	403.356	395.715	387.191	382.465	380.015
12.0	450.670	447.620	436.190	420.984	402.215	394.832	385.451	380.468	377.761
12.5	452.314	448.917	436.323	420.296	401.331	392.521	383.454	378.471	375.764
13.0	453.242	449.615	436.513	419.608	400.190	391.095	381.429	376.161	372.967
13.5	453.968	450.543	436.703	419.205	398.193	389.383	379.690	373.850	371.311
14.0	455.349	451.130	436.920	418.545	397.309	387.073	377.122	371.568	368.827
14.5	456.305	451.745	436.512	417.544	395.883	385.647	375.097	369.286	366.288
15.0	456.321	452.046	436.645	416.883	393.858	383.907	373.101	367.004	363.748
15.5	456.913	452.376	436.606	415.597	392.146	382.168	370.790	364.436	362.322
16.0	457.165	452.990	436.281	414.539	390.692	380.171	369.051	362.154	358.871
16.5	458.394	453.605	436.812	414.164	389.266	378.174	366.769	360.157	357.159
17.0	459.741	453.364	436.772	412.878	387.839	375.864	364.744	357.562	355.475
17.5	459.953	454.292	436.419	411.278	385.814	374.409	362.148	355.822	352.594
18.0	460.763	454.051	436.066	410.618	383.818	371.529	359.581	353.255	350.598
18.5	461.859	454.408	435.630	409.387	381.793	369.817	358.412	351.828	348.002
19.0	461.584	454.765	435.534	408.497	380.081	367.507	356.130	349.261	345.435
19.5	462.875	454.809	434.812	407.350	378.056	365.767	353.534	346.693	342.554
20.0	463.512	454.624	434.716	405.834	376.344	363.485	352.393	344.126	339.986
20.5	463.696	454.982	433.737	404.603	374.605	361.175	349.798	341.530	337.106
21.0	463.852	454.768	433.356	402.914	372.037	358.893	347.230	338.963	334.538
21.5	464.321	454.896	432.662	402.052	370.298	357.724	344.948	336.110	331.685
22.0	464.930	454.795	431.996	400.933	368.016	354.871	342.352	333.543	328.805
22.5	465.281	454.693	431.302	399.473	365.705	352.818	339.757	330.975	326.237
23.0	465.034	454.849	430.636	397.985	363.681	349.965	337.190	328.122	323.357
23.5	465.100	454.546	430.227	395.926	361.113	348.824	334.594	325.270	320.504
24.0	465.424	454.501	429.276	394.835	359.401	346.514	331.999	322.674	317.366
24.5	465.608	454.399	428.610	393.173	356.806	343.946	329.431	319.849	314.798
25.0	465.221	454.326	427.373	391.970	355.950	341.323	326.836	316.969	311.918
25.5	464.549	453.682	426.707	390.510	353.925	338.756	324.268	314.116	308.779
26.0	464.733	453.525	425.755	388.194	351.928	336.160	321.388	311.548	306.184
26.5	464.374	452.797	424.832	386.421	349.333	333.593	318.792	308.696	303.018

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CANDELA TABULATION - (Cont.)

27.0	463.730	452.354	424.222	384.960	346.737	330.969	315.939	305.843	300.165
27.5	463.712	452.197	422.498	383.500	344.427	328.402	313.344	302.962	297.285
28.0	463.896	451.469	421.373	380.871	341.860	325.521	310.748	300.109	294.147
28.5	463.140	450.741	420.506	379.668	339.578	322.954	307.896	297.257	291.266
29.0	462.524	450.584	419.638	377.352	336.725	320.358	305.043	294.119	288.413
29.5	462.395	449.285	418.541	374.980	334.129	317.505	302.162	291.266	285.418
30.0	462.176	448.502	417.388	373.492	331.534	314.597	299.595	288.385	282.452
30.5	461.448	447.857	416.236	371.461	328.966	312.029	296.714	285.504	279.599
31.0	461.346	447.415	415.111	369.375	326.399	309.149	293.861	282.623	276.632
31.5	460.730	446.916	413.387	368.457	323.804	306.296	291.009	279.798	273.695
32.0	459.773	446.189	412.548	366.085	320.951	303.700	288.128	276.859	270.870
32.5	459.957	445.175	411.082	364.882	318.355	300.820	285.247	274.007	267.876
33.0	458.401	444.761	409.873	362.852	315.788	297.967	282.365	271.012	264.880
33.5	458.669	443.434	408.379	360.508	312.907	295.086	279.512	268.131	261.999
34.0	458.282	442.449	406.600	358.449	310.054	292.233	276.632	265.306	259.004
34.5	457.381	441.436	404.820	356.077	307.174	289.638	273.750	262.368	256.094
35.0	456.312	440.423	403.639	353.733	304.321	286.700	270.926	259.487	253.270
35.5	455.640	439.723	402.403	351.674	301.753	283.819	268.102	256.577	250.303
36.0	454.565	438.139	400.679	349.330	298.901	280.938	265.221	253.724	247.337
36.5	453.949	437.126	399.471	346.986	295.763	278.057	262.226	250.928	244.398
37.0	452.963	436.426	397.378	344.615	292.882	275.261	259.430	247.991	241.432
37.5	452.090	434.870	395.571	342.271	290.029	272.295	256.577	245.024	238.636
38.0	451.731	433.572	394.418	339.927	287.176	269.414	253.668	242.228	235.613
38.5	449.946	432.587	392.068	337.583	284.267	266.475	250.815	239.319	232.618
39.0	449.073	431.887	390.546	334.953	281.300	263.652	247.905	236.466	229.708
39.5	447.830	430.303	390.764	332.582	278.419	260.770	245.109	233.556	226.827
40.0	447.499	429.318	389.013	330.238	275.452	257.804	242.286	230.704	224.031
40.5	445.770	428.277	387.261	327.608	272.486	254.923	239.347	227.851	221.150
41.0	444.472	426.777	385.454	325.236	269.605	252.042	236.495	224.970	218.212
41.5	443.028	425.479	383.703	322.663	266.581	249.047	233.585	222.174	215.388
42.0	442.669	424.437	381.610	320.347	263.642	246.307	230.733	219.265	212.564
42.5	441.482	423.167	379.831	318.031	260.675	243.398	227.851	216.355	209.768
43.0	440.010	421.013	377.996	315.771	257.709	240.460	224.998	213.617	206.802
43.5	439.310	420.000	376.244	313.197	254.600	237.522	222.060	210.679	204.034
44.0	437.810	418.701	374.208	310.624	251.690	234.641	219.122	207.797	201.324
44.5	436.624	417.431	372.087	308.023	248.666	231.788	216.241	204.974	198.500
45.0	435.750	416.418	370.336	305.679	245.699	228.765	213.388	202.064	195.733
45.5	433.881	414.576	368.271	303.107	242.733	225.854	210.421	199.268	192.824
46.0	433.752	413.306	366.207	300.563	239.709	222.916	207.569	196.444	190.028
46.5	432.023	412.578	364.428	297.990	236.713	220.007	204.630	193.563	187.347
47.0	431.379	412.136	362.363	295.361	233.604	217.097	201.749	190.796	184.637
47.5	430.421	410.949	360.271	292.873	230.523	214.130	198.868	187.943	181.756
48.0	429.263	409.281	358.290	290.385	227.470	211.078	196.044	185.233	178.960
48.5	427.394	407.781	356.141	287.869	224.475	208.111	193.106	182.410	176.193
49.0	426.235	406.198	354.105	285.267	221.480	205.173	190.224	179.671	173.369
49.5	425.104	404.614	352.012	282.666	218.456	202.292	187.400	176.904	170.687
50.0	425.260	403.372	349.920	280.122	215.404	199.354	184.577	174.137	167.863
50.5	423.218	401.788	347.883	277.493	212.380	196.330	181.667	171.512	165.125
51.0	422.831	400.260	345.847	274.949	209.384	193.420	178.843	168.717	162.358
51.5	421.415	398.704	343.469	272.320	206.389	190.425	175.961	165.950	159.677
52.0	419.999	396.835	341.348	269.577	203.337	187.543	173.194	163.240	157.052
52.5	418.784	395.279	339.312	267.005	200.341	184.634	170.370	160.530	154.313
53.0	417.284	393.668	336.962	264.318	197.317	181.667	167.518	157.820	151.546
53.5	415.784	392.140	334.841	261.661	194.379	178.672	164.665	155.138	148.780
54.0	414.396	390.528	332.634	258.946	191.327	175.791	161.841	152.371	146.326
54.5	412.896	388.771	330.341	256.203	188.389	172.938	159.046	149.719	143.617

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CANDELA TABULATION - (Cont.)

55.0	411.452	387.160	328.163	253.546	185.393	169.972	156.221	146.980	140.877
55.5	409.980	385.291	326.013	250.774	182.426	166.977	153.426	144.270	138.253
56.0	408.536	383.735	323.777	248.088	179.403	164.095	150.658	141.674	135.486
56.5	407.148	381.866	321.456	245.288	176.407	161.157	147.778	138.878	132.947
57.0	405.676	380.338	319.165	242.516	173.383	158.275	145.095	136.311	130.436
57.5	403.919	378.497	316.956	239.745	170.416	155.281	142.357	133.544	127.670
58.0	402.363	376.600	314.693	236.887	167.335	152.371	139.533	130.948	125.017
58.5	400.975	374.759	312.373	234.116	164.311	149.489	136.823	128.295	122.335
59.0	399.503	372.974	309.967	231.258	161.230	146.580	134.113	125.613	119.796
59.5	397.774	371.049	307.730	228.402	158.121	143.642	131.431	123.017	117.200
60.0	395.905	369.180	305.324	225.630	155.068	140.675	128.750	120.393	114.576
60.5	394.204	367.339	303.089	222.859	152.044	137.766	126.012	117.797	111.951
61.0	392.732	365.469	300.768	220.144	149.049	134.827	123.273	115.172	109.355
61.5	390.947	363.600	298.447	217.344	145.997	131.975	120.534	112.548	106.730
62.0	388.876	361.617	296.013	214.487	143.001	129.037	117.910	109.924	104.220
62.5	387.119	359.661	293.719	211.687	139.920	126.155	115.171	107.271	101.567
63.0	385.362	357.791	291.428	208.887	136.953	123.189	112.433	104.675	99.028
63.5	383.605	355.722	289.108	206.087	133.929	120.250	109.751	102.107	96.403
64.0	381.875	353.711	286.673	203.287	130.905	117.455	107.041	99.454	93.951
64.5	379.833	351.728	284.381	200.487	127.910	114.545	104.274	96.858	91.582
65.0	377.877	349.744	281.861	197.573	124.886	111.692	101.506	94.290	88.929
65.5	375.893	347.647	279.540	194.688	121.834	108.782	98.853	91.694	86.419
66.0	373.964	345.492	277.191	191.889	118.866	105.873	96.086	89.155	83.965
66.5	372.149	343.424	274.700	189.060	115.900	102.963	93.434	86.531	81.512
67.0	370.107	341.355	272.379	186.232	112.932	100.110	90.837	84.020	79.144
67.5	368.122	339.286	269.887	183.318	109.965	97.315	88.184	81.481	76.662
68.0	366.165	337.133	267.453	180.433	106.856	94.547	85.503	78.971	74.123
68.5	364.094	334.978	265.047	177.576	103.861	91.638	82.821	76.460	71.613
69.0	362.281	332.853	262.527	174.777	100.922	88.870	80.168	73.950	69.302
69.5	360.238	330.784	260.178	172.006	97.984	86.018	77.657	71.496	66.906
70.0	358.309	328.629	257.659	169.234	95.017	83.250	75.062	69.043	64.509
70.5	356.323	326.446	255.224	166.435	92.079	80.427	72.494	66.533	62.028
71.0	354.395	324.292	252.761	163.551	89.112	77.688	69.927	64.165	59.631
71.5	352.437	322.137	250.185	160.780	86.316	74.950	67.417	61.797	57.264
72.0	350.312	319.842	247.779	158.095	83.406	72.211	64.906	59.429	55.095
72.5	348.296	317.743	245.316	155.352	80.297	69.501	62.424	57.147	52.670
73.0	346.199	315.533	242.910	152.695	77.501	66.848	59.999	54.751	50.388
73.5	344.156	313.265	240.477	149.952	74.620	64.280	57.546	52.411	48.049
74.0	342.142	311.082	237.958	147.211	71.795	61.684	55.121	50.186	45.824
74.5	339.959	308.787	235.523	144.498	69.056	59.117	52.753	47.932	43.741
75.0	337.888	306.605	232.977	141.869	66.289	56.549	50.414	45.708	41.488
75.5	335.761	304.337	230.544	139.128	63.578	54.039	48.074	43.425	39.348
76.0	333.606	302.155	228.224	136.443	60.868	51.585	45.707	41.286	37.265
76.5	331.448	299.859	225.734	133.899	58.158	49.161	43.368	39.061	35.212
77.0	329.265	297.706	223.301	131.186	55.533	46.736	41.199	36.978	33.300
77.5	327.081	295.439	220.869	128.671	52.852	44.339	38.946	34.867	31.303
78.0	324.955	293.258	218.521	126.101	50.341	41.943	36.749	32.842	29.363
78.5	322.657	290.992	216.201	123.671	47.802	39.604	34.581	30.844	27.423
79.0	320.502	288.669	213.825	121.101	45.348	37.350	32.442	28.847	25.455
79.5	318.318	286.488	211.506	118.616	42.866	35.125	30.358	26.850	23.657
80.0	316.080	284.279	209.159	116.160	40.412	32.956	28.333	24.967	21.832
80.5	313.840	282.042	206.812	113.845	38.044	30.788	26.336	23.084	20.063
81.0	311.742	279.890	204.636	111.531	35.762	28.677	24.396	21.259	18.237
81.5	309.587	277.567	202.375	109.217	33.537	26.651	22.484	19.461	16.468
82.0	307.404	275.415	200.199	106.904	31.340	24.654	20.573	17.693	14.814
82.5	305.448	273.463	198.052	104.675	29.143	22.743	18.804	16.066	13.244

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CANDELA TABULATION - (Cont.)

83.0	303.323	271.367	195.848	102.588	27.032	20.803	17.035	14.412	11.619
83.5	301.312	269.243	193.702	100.530	25.007	18.919	15.352	12.785	10.050
84.0	299.357	267.234	191.669	98.474	23.038	17.122	13.698	11.216	8.509
84.5	297.345	265.168	189.609	96.417	21.098	15.382	12.015	9.647	7.083
85.0	295.447	263.074	187.577	94.474	19.216	13.699	10.417	8.192	5.798
85.5	293.576	261.150	185.459	92.531	17.361	12.016	8.876	6.795	4.657
86.0	291.708	259.309	183.427	90.674	15.564	10.390	7.393	5.539	3.830
86.5	289.978	257.636	181.593	88.817	13.824	8.820	5.966	4.569	3.259
87.0	288.388	256.468	179.786	87.102	12.169	7.280	4.711	3.799	2.888
87.5	287.245	255.580	178.428	85.330	10.515	5.796	3.826	3.313	2.659
88.0	286.691	255.168	177.460	83.586	8.832	4.341	3.198	2.971	2.544
88.5	286.275	254.867	176.855	82.066	7.148	3.142	2.855	2.714	2.402
89.0	286.027	254.791	176.700	81.021	5.436	2.572	2.656	2.628	2.373
89.5	285.978	254.744	176.573	80.675	3.980	2.372	2.570	2.542	2.344
90.0	286.010	254.724	176.588	80.695	3.404	2.315	2.541	2.542	2.372
90.5	285.790	254.791	176.604	80.857	4.044	2.314	2.540	2.541	2.343
91.0	285.910	254.999	176.817	81.617	5.440	2.341	2.512	2.569	2.343
91.5	285.973	255.378	177.287	82.947	7.117	2.788	2.540	2.540	2.315
92.0	286.321	255.985	178.355	84.535	8.737	3.598	2.624	2.512	2.370
92.5	286.696	257.018	179.822	86.123	10.301	4.911	2.847	2.596	2.426
93.0	287.471	258.309	181.572	87.965	11.866	6.448	3.405	2.708	2.622
93.5	288.473	259.939	183.436	89.608	13.486	7.985	4.355	3.014	3.069
94.0	289.960	261.798	185.355	91.477	15.190	9.549	5.641	3.629	3.935
94.5	291.760	263.686	187.161	93.317	16.923	11.058	7.122	4.607	5.137
95.0	293.644	265.713	189.278	95.157	18.711	12.706	8.630	5.780	6.477
95.5	295.529	267.769	191.309	97.081	20.555	14.383	10.194	7.205	8.014
96.0	297.499	269.683	193.312	99.061	22.455	16.059	11.871	8.743	9.523
96.5	299.411	271.653	195.371	101.126	24.410	17.819	13.520	10.279	11.144
97.0	301.352	273.652	197.430	103.218	26.422	19.579	15.224	11.899	12.792
97.5	303.349	275.706	199.518	105.309	28.518	21.451	16.957	13.604	14.413
98.0	305.288	277.760	201.606	107.540	30.585	23.351	18.689	15.253	16.061
98.5	307.340	279.870	203.806	109.800	32.793	25.307	20.504	16.985	17.849
99.0	309.364	282.008	206.005	112.030	35.084	27.403	22.377	18.745	19.638
99.5	311.388	284.090	208.232	114.374	37.375	29.470	24.304	20.589	21.510
100.0	313.411	286.228	210.516	116.744	39.722	31.650	26.232	22.433	23.298
100.5	315.435	288.393	212.770	119.115	42.124	33.829	28.244	24.278	25.198
101.0	317.571	290.502	215.082	121.569	44.584	36.008	30.340	26.178	27.070
101.5	319.539	292.610	217.363	123.996	47.070	38.356	32.408	28.105	29.054
102.0	321.674	294.805	219.758	126.479	49.612	40.534	34.559	30.089	31.094
102.5	323.725	296.914	222.067	128.933	52.155	42.994	36.710	32.129	33.106
103.0	325.834	299.078	224.405	131.415	54.810	45.899	38.918	34.168	35.173
103.5	327.940	301.216	226.770	133.953	57.492	48.302	41.153	36.264	37.213
104.0	330.049	303.352	229.164	136.548	60.119	50.341	43.388	38.388	39.392
104.5	332.099	305.601	231.529	139.086	62.801	52.912	45.735	40.567	41.572
105.0	334.263	307.710	233.866	141.623	65.595	55.371	48.055	42.775	43.779
105.5	336.117	309.875	236.287	144.218	68.362	57.970	50.401	44.982	45.986
106.0	338.252	312.040	238.624	146.839	71.155	60.875	52.805	47.217	48.250
106.5	340.247	314.120	240.961	149.490	74.034	63.893	55.236	49.481	50.485
107.0	342.326	316.257	243.326	152.056	76.856	66.100	57.638	51.799	52.916
107.5	344.405	318.421	245.663	154.706	79.733	68.475	60.153	54.091	55.179
108.0	346.400	320.529	248.085	157.411	82.612	71.158	62.612	56.550	57.554
108.5	348.366	322.637	250.478	160.117	85.546	73.896	65.099	58.896	59.902
109.0	350.473	324.661	252.844	162.795	88.451	76.606	67.669	61.356	62.305
109.5	352.411	326.912	255.208	165.445	91.357	79.345	70.212	63.731	64.679
110.0	354.434	328.879	257.518	168.207	94.319	82.111	72.727	66.189	67.167
110.5	356.401	330.988	259.742	170.912	97.281	84.877	75.325	68.648	69.598

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CANDELA TABULATION - (Cont.)

111.0	358.395	332.957	262.079	173.618	100.270	87.671	77.924	71.135	72.084
111.5	360.335	335.009	264.445	176.380	103.260	90.466	80.494	73.650	74.459
112.0	362.190	337.063	266.753	179.114	106.250	93.288	83.149	76.165	76.861
112.5	364.184	339.088	269.118	181.903	109.324	96.165	85.831	78.651	79.321
113.0	365.982	341.113	271.456	184.637	112.285	99.043	88.457	81.138	81.835
113.5	367.949	343.110	273.764	187.482	115.275	101.950	91.168	83.709	84.406
114.0	369.831	345.021	276.072	190.216	118.348	104.800	93.934	86.251	86.921
114.5	371.685	346.990	278.381	192.977	121.310	107.733	97.231	88.878	89.435
115.0	373.428	348.987	280.691	195.767	124.328	110.640	100.751	91.477	92.006
115.5	375.199	350.956	282.971	198.529	127.374	113.601	103.266	94.019	94.493
116.0	377.109	352.784	285.309	201.290	130.419	116.507	104.999	96.618	97.203
116.5	378.825	354.754	287.504	204.052	133.409	119.413	107.402	99.216	99.746
117.0	380.735	356.723	289.870	206.841	136.455	122.431	110.587	101.871	102.401
117.5	382.422	358.522	292.094	209.575	139.556	125.309	114.164	104.413	104.915
118.0	384.109	360.462	294.346	212.365	142.518	128.327	117.013	107.096	107.542
118.5	385.711	362.264	296.711	215.098	145.591	131.289	118.970	109.638	110.140
119.0	387.427	364.008	298.909	217.888	148.638	134.195	121.149	112.377	112.823
119.5	389.143	366.032	301.161	220.621	151.683	137.073	123.832	115.003	115.337
120.0	390.773	367.862	303.385	223.327	154.785	140.006	126.570	117.685	118.132
120.5	392.432	369.635	305.610	225.976	157.803	142.997	129.336	120.340	120.702
121.0	394.091	371.379	307.863	228.738	160.736	145.902	132.074	123.051	123.329
121.5	395.778	373.209	310.032	231.415	163.810	148.780	134.812	126.264	125.956
122.0	397.158	374.982	312.257	234.177	166.855	151.687	137.663	129.924	128.638
122.5	398.873	376.419	314.398	236.854	169.845	154.564	140.401	133.053	131.348
123.0	400.561	378.249	316.594	239.531	172.863	157.527	143.196	135.121	134.031
123.5	402.248	379.965	318.820	242.181	175.909	160.405	145.990	137.608	136.797
124.0	403.656	381.487	321.044	244.830	178.870	163.338	148.812	140.850	140.513
124.5	405.343	383.231	323.184	247.536	181.916	166.301	151.606	143.588	145.348
125.0	406.808	385.032	325.410	250.213	184.878	169.123	154.456	145.432	148.448
125.5	408.188	386.526	327.606	252.891	187.924	172.056	157.251	147.388	149.902
126.0	409.847	388.299	329.663	255.456	190.885	174.962	160.073	149.986	150.405
126.5	411.226	389.849	331.858	258.078	193.847	177.813	162.839	152.669	152.752
127.0	412.691	391.622	334.196	260.700	196.865	180.774	165.633	155.380	155.434
127.5	414.127	393.116	336.197	263.238	199.855	183.652	168.456	158.062	158.145
128.0	415.507	394.638	338.141	265.887	202.788	186.614	171.306	160.773	160.911
128.5	416.943	396.411	340.450	268.508	205.835	189.576	174.016	163.511	163.621
129.0	418.380	397.933	342.452	271.074	208.852	192.454	176.950	166.305	166.387
129.5	418.362	399.426	344.453	273.668	211.842	195.360	179.828	169.016	169.153
130.0	419.827	400.920	346.762	276.262	214.803	198.266	182.678	171.726	171.920
130.5	420.705	402.413	348.734	278.884	217.766	201.228	185.528	174.436	174.714
131.0	422.084	403.599	350.735	281.421	220.783	204.134	188.294	177.175	177.452
131.5	422.432	404.899	352.737	283.987	223.829	207.012	191.116	179.969	180.219
132.0	424.621	406.113	354.738	286.524	226.818	209.889	194.022	182.735	183.069
132.5	426.086	407.298	356.739	289.062	229.865	212.824	196.844	185.501	185.834
133.0	426.712	408.319	358.740	291.544	232.882	215.702	199.778	188.212	188.602
133.5	428.092	409.253	360.741	294.110	235.816	218.636	202.600	191.341	191.368
134.0	430.087	411.055	362.714	296.704	238.778	221.570	205.506	194.079	194.218
134.5	430.685	412.269	364.436	299.241	241.768	224.420	208.384	196.874	196.956
135.0	432.093	414.070	366.437	301.836	244.757	227.409	211.206	199.696	199.891
135.5	433.838	414.977	368.438	304.094	247.748	230.343	214.113	202.546	202.601
136.0	434.407	416.219	370.353	306.688	250.709	233.277	216.935	205.256	205.451
136.5	436.374	417.462	372.132	309.197	253.643	236.099	219.785	208.079	208.160
137.0	436.414	418.927	373.825	311.762	256.633	239.060	222.662	210.845	211.124
137.5	438.044	420.449	375.855	314.077	259.540	242.024	225.428	213.610	213.918
138.0	438.642	421.384	376.932	316.558	262.472	244.872	228.249	216.376	216.539
138.5	440.358	423.185	378.403	318.844	265.294	247.750	231.128	219.311	219.531

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CANDELA TABULATION - (Cont.)

139.0	441.321	423.869	380.404	321.381	268.200	250.544	233.950	222.077	222.382
139.5	442.113	425.055	381.818	323.611	271.135	253.478	236.772	224.899	225.204
140.0	442.991	426.326	383.568	325.869	274.013	256.272	239.510	227.665	227.999
140.5	444.456	427.597	384.452	328.377	276.919	259.179	242.417	230.572	231.017
141.0	445.305	428.811	385.894	330.607	279.881	262.001	245.295	233.534	233.979
141.5	446.462	429.244	387.895	333.116	282.815	264.851	248.117	236.439	236.857
142.0	447.117	430.795	389.309	335.373	285.609	267.701	250.938	239.345	239.763
142.5	447.995	432.009	391.060	337.603	288.403	270.495	253.732	242.111	242.668
143.0	449.374	432.915	392.473	339.889	291.197	273.345	256.526	244.905	245.546
143.5	450.560	433.599	393.916	342.176	294.271	276.251	259.432	247.867	248.453
144.0	450.041	434.590	395.637	344.462	297.093	279.101	262.225	250.772	251.358
144.5	451.563	435.862	397.080	346.720	299.916	281.783	265.076	253.650	254.264
145.0	452.971	436.825	398.243	348.755	302.710	284.577	267.870	256.444	257.282
145.5	453.039	437.788	400.244	351.042	305.504	287.400	270.663	259.322	260.076
146.0	453.888	438.415	401.378	353.077	308.047	290.194	273.402	262.116	262.954
146.5	455.438	439.686	402.849	354.526	310.841	292.988	276.168	264.965	265.832
147.0	456.065	440.313	404.263	356.533	313.635	295.782	279.046	267.787	268.737
147.5	457.251	441.612	405.454	358.009	316.178	298.633	281.812	270.637	271.531
148.0	457.262	441.737	406.897	359.737	318.973	301.399	284.606	273.487	274.465
148.5	457.358	442.421	407.780	362.023	321.516	303.913	287.428	276.337	277.315
149.0	458.207	443.692	409.223	364.030	324.338	306.456	290.194	279.130	280.220
149.5	458.640	443.259	410.106	365.507	326.853	309.279	292.988	281.840	283.015
150.0	458.902	444.473	411.548	367.822	329.368	312.073	295.782	284.634	286.088
150.5	459.808	445.157	413.299	369.578	331.882	314.616	298.576	287.708	288.882
151.0	459.848	445.840	413.652	371.614	334.425	317.131	301.119	290.473	291.927
151.5	460.782	445.994	415.374	373.341	336.969	319.925	303.913	293.296	294.750
152.0	460.850	446.427	416.006	375.377	339.512	322.468	306.707	296.061	297.795
152.5	460.610	447.111	417.198	376.854	342.026	324.983	309.530	298.855	300.617
153.0	460.678	447.236	418.389	378.889	344.290	327.526	312.016	301.370	303.411
153.5	461.584	447.948	419.273	380.645	345.716	330.040	314.838	304.443	306.205
154.0	461.094	448.381	419.905	382.681	348.510	332.863	317.353	307.209	309.307
154.5	461.720	448.535	420.481	384.158	350.466	335.098	320.147	310.003	312.130
155.0	462.319	448.939	421.615	385.634	352.170	337.670	322.690	312.518	314.896
155.5	462.136	448.842	422.413	387.419	354.155	340.156	325.484	315.312	317.718
156.0	461.337	449.275	422.932	388.867	356.669	342.728	328.028	318.106	320.484
156.5	461.964	449.736	423.507	390.652	358.654	344.125	330.542	320.871	322.998
157.0	462.254	449.582	424.362	392.157	360.918	346.668	333.057	323.386	325.821
157.5	460.970	449.764	424.938	393.326	362.873	348.903	335.879	326.180	328.615
158.0	461.055	449.108	425.599	394.803	364.858	351.138	338.394	328.974	331.409
158.5	460.307	449.290	425.981	396.029	367.093	352.843	340.629	331.489	333.924
159.0	459.537	449.472	426.642	397.505	369.077	355.079	342.306	334.003	336.718
159.5	460.278	449.625	427.024	399.011	370.754	357.593	345.687	336.797	339.232
160.0	459.365	449.471	427.434	400.208	373.018	359.578	347.084	339.312	342.026
160.5	458.709	449.288	428.124	401.154	374.723	361.841	349.627	341.827	344.569
161.0	458.942	449.328	428.534	402.380	376.120	363.797	351.583	343.782	347.335
161.5	458.400	448.306	429.195	403.577	378.355	366.032	353.288	346.297	349.570
162.0	458.029	447.873	428.517	404.803	379.752	368.017	355.803	348.812	350.631
162.5	456.980	447.188	429.486	405.191	382.016	370.281	357.759	350.768	353.088
163.0	456.683	447.650	429.366	406.696	383.441	372.516	360.581	352.723	355.238
163.5	456.163	446.743	429.525	407.335	385.397	374.221	362.537	355.238	357.724
164.0	456.317	446.731	429.935	408.281	386.794	375.897	364.493	357.473	359.931
164.5	455.410	445.852	429.815	408.920	388.499	377.853	367.036	360.016	362.947
165.0	454.531	445.812	429.975	409.866	390.175	380.088	369.271	361.972	365.182
165.5	453.094	444.375	429.883	410.784	391.880	381.514	370.948	363.928	367.138
166.0	453.082	443.833	429.735	411.731	393.277	383.190	372.932	366.443	369.875
166.5	452.455	443.262	429.923	412.677	394.395	385.175	375.139	368.678	372.390

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CANDELA TABULATION - (Cont.)

167.0	451.770	442.692	429.552	412.534	395.820	386.572	377.402	370.662	374.625
167.5	450.555	441.619	429.461	413.230	396.967	388.248	378.799	373.205	376.581
168.0	448.616	440.798	429.369	413.926	398.364	389.953	381.063	375.441	378.845
168.5	448.325	440.142	429.278	414.650	399.761	391.629	383.327	377.704	381.051
169.0	446.637	439.178	428.627	414.228	401.186	393.306	384.695	379.381	382.979
169.5	445.787	438.134	428.536	415.174	401.996	394.423	386.931	381.896	384.627
170.0	444.937	437.062	428.165	415.339	402.834	396.128	388.636	383.572	386.862
170.5	444.115	436.577	427.264	415.784	403.701	397.525	390.061	385.556	388.846
171.0	442.399	435.561	427.480	415.978	404.260	398.922	391.487	387.512	390.551
171.5	441.047	434.546	426.271	416.172	405.685	399.789	393.192	389.525	392.786
172.0	440.311	433.280	426.237	416.616	406.831	401.186	394.868	390.643	394.406
172.5	438.988	432.042	425.336	416.531	407.641	402.583	396.545	392.878	396.613
173.0	437.135	431.027	424.492	416.474	408.228	403.980	398.221	394.554	397.702
173.5	436.148	429.761	424.235	416.976	408.759	404.539	399.618	395.951	399.686
174.0	435.104	428.774	423.111	416.918	409.038	405.936	400.736	397.656	401.613
174.5	433.473	426.978	422.324	416.861	409.905	407.333	402.104	399.333	402.452
175.0	431.842	425.740	421.537	416.274	410.743	408.171	403.222	400.701	404.099
175.5	430.239	424.560	420.779	416.833	411.273	408.702	404.647	402.127	405.217
176.0	429.811	423.408	420.049	416.804	411.861	409.848	406.016	403.552	407.481
176.5	427.485	421.754	419.348	416.553	412.112	410.407	407.721	404.978	408.348
177.0	426.276	420.716	418.144	416.553	412.169	411.245	408.000	406.346	409.745
177.5	424.479	419.148	417.808	415.995	412.699	411.524	409.397	407.464	410.554
178.0	422.797	418.195	417.221	415.995	412.978	412.362	410.207	409.169	412.818
178.5	421.006	416.462	416.382	415.715	412.978	413.201	411.045	410.258	414.187
179.0	419.803	415.875	415.265	415.715	413.258	413.480	412.471	411.376	414.745
179.5	418.657	414.786	414.706	415.156	413.258	414.039	413.029	412.242	417.009
180.0	414.312	414.312	414.312	414.312	414.312	414.312	414.312	414.312	414.312

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-850U-L13-850D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	153.82	N.A.	5.50
0-30	326.76	N.A.	11.70
0-40	536.01	N.A.	19.20
0-60	970.83	N.A.	34.70
0-80	1300.23	N.A.	46.50
0-90	1403.7	N.A.	50.20
10-90	1363.96	N.A.	48.80
20-40	382.18	N.A.	13.70
20-50	604.05	N.A.	21.60
40-70	619.96	N.A.	22.20
60-80	329.40	N.A.	11.80
70-80	144.26	N.A.	5.20
80-90	103.47	N.A.	3.70
90-110	246.80	N.A.	8.80
90-120	430.63	N.A.	15.40
90-130	642.09	N.A.	23.00
90-150	1069.62	N.A.	38.20
90-180	1392.75	N.A.	49.80
110-180	1145.94	N.A.	41.00
0-180	2796.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.74
10-20	114.09
20-30	172.94
30-40	209.25
40-50	221.87
50-60	212.96
60-70	185.14
70-80	144.26
80-90	103.47
90-100	103.32
100-110	143.48
110-120	183.83
120-130	211.45
130-140	220.17
140-150	207.36
150-160	171.09
160-170	112.75
170-180	39.29

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	96	91	87	83	89	84	80	77	71	68	65	59	57	55	47	46	44	39
2	87	79	72	66	80	73	67	62	61	57	53	51	47	44	41	38	36	32
3	79	69	61	55	72	64	57	51	54	48	44	44	40	37	36	33	30	26
4	72	61	52	46	66	56	49	43	47	42	37	39	35	31	32	28	26	22
5	66	54	45	39	61	50	42	37	42	36	32	35	30	27	28	25	22	19
6	61	48	40	34	56	45	37	32	38	32	27	32	27	23	26	22	19	16
7	56	43	35	29	51	40	33	28	34	28	24	29	24	21	23	20	17	14
8	52	39	31	26	48	37	29	24	31	25	21	26	22	18	21	18	15	13
9	48	36	28	23	45	33	26	22	29	23	19	24	20	16	20	16	14	12
10	45	33	25	20	42	31	24	19	26	21	17	22	18	15	18	15	12	10

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-850U-L13-850D-DMA-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

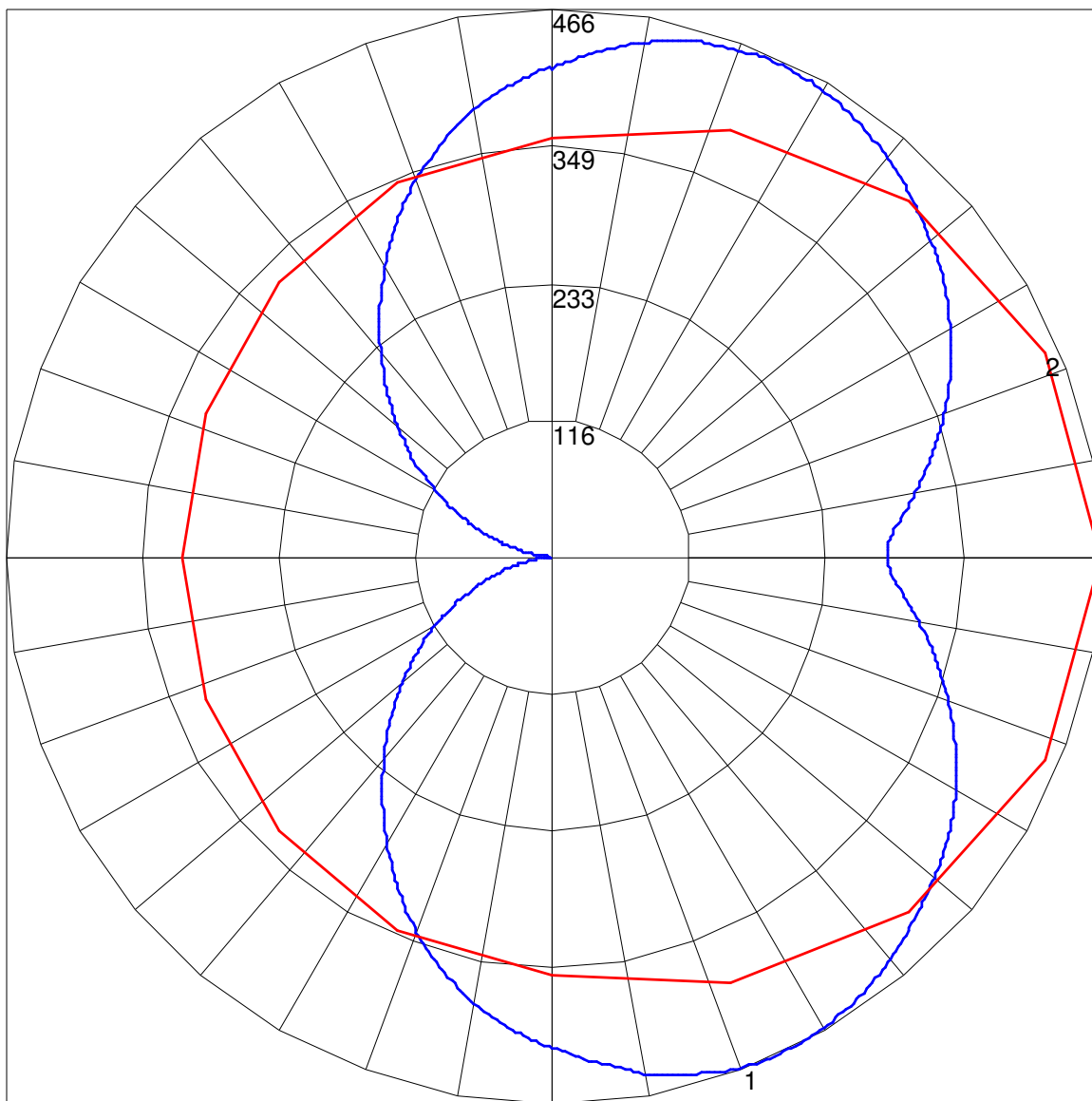
X=2H	Y=2H	19.7	20.6	20.6	21.5	22.8	13.8	14.7	14.7	15.6	16.9
	3H	22.7	23.5	23.7	24.5	25.8	15.1	16.0	16.1	16.9	18.2
	4H	24.3	25.0	25.2	26.0	27.3	15.6	16.3	16.5	17.3	18.6
	6H	25.9	26.6	26.9	27.6	28.9	15.8	16.5	16.8	17.5	18.8
	8H	26.7	27.4	27.7	28.4	29.8	15.8	16.5	16.8	17.5	18.9
	12H	27.7	28.3	28.7	29.3	30.7	15.9	16.5	16.9	17.5	18.9

UGR Viewed Endwise

4H	2H	20.0	20.7	20.9	21.7	23.0	15.0	15.8	16.0	16.8	18.1
	3H	23.2	23.9	24.2	24.9	26.2	16.6	17.3	17.6	18.3	19.6
	4H	24.9	25.6	25.9	26.6	27.9	17.2	17.8	18.2	18.8	20.2
	6H	26.8	27.3	27.8	28.4	29.7	17.6	18.1	18.6	19.2	20.5
	8H	27.8	28.3	28.8	29.3	30.6	17.7	18.2	18.7	19.2	20.6
	12H	28.8	29.3	29.8	30.3	31.6	17.7	18.2	18.8	19.2	20.6
8H	4H	25.1	25.6	26.1	26.6	28.0	18.3	18.8	19.3	19.8	21.2
	6H	27.1	27.5	28.1	28.6	29.9	18.9	19.3	20.0	20.4	21.8
	8H	28.2	28.6	29.3	29.6	31.0	19.2	19.5	20.2	20.6	21.9
	12H	29.5	29.8	30.5	30.8	32.2	19.3	19.6	20.3	20.7	22.1
12H	4H	25.1	25.5	26.1	26.6	27.9	18.6	19.1	19.7	20.1	21.5
	6H	27.1	27.5	28.2	28.5	29.9	19.4	19.8	20.5	20.9	22.2
	8H	28.3	28.6	29.3	29.7	31.1	19.8	20.1	20.8	21.1	22.5

Maximum UGR = 32.2

POLAR GRAPH



Maximum Candela = 465.608 Located At Horizontal Angle = 0, Vertical Angle = 24.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)