

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-940U-L13-940D-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
[MANUFACT] H E Williams Inc
[LUMCAT] CMH-2-00-L13-940U-L13-940D-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	2269
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	9371	8733	8236
55	9316	8324	7457
65	9332	7997	6527
75	9494	7766	5169
85	9980	7869	3137

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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	339.545	339.545	339.545	339.545	339.545	339.545	339.545	339.545	339.545
0.5	340.023	340.589	339.958	341.252	338.937	340.698	338.411	338.393	338.425
1.0	340.948	341.397	341.206	341.528	338.728	340.190	337.440	337.422	337.477
1.5	342.174	342.482	341.574	342.268	338.728	339.241	336.931	336.242	335.857
2.0	343.213	343.820	342.404	342.336	338.474	338.524	336.006	335.293	334.908
2.5	344.715	344.741	343.511	342.635	338.243	338.061	335.080	334.599	334.005
3.0	345.709	346.125	344.387	342.703	338.011	337.598	334.386	333.210	332.825
3.5	347.025	347.346	345.031	343.488	338.011	336.650	333.228	332.262	332.131
4.0	348.758	348.566	346.138	343.556	337.526	335.724	332.765	331.105	330.510
4.5	349.543	349.578	347.014	343.416	337.294	335.493	331.608	329.947	329.099
5.0	349.979	350.844	347.772	344.178	336.831	334.335	330.219	328.767	327.733
5.5	351.594	351.878	348.021	344.269	336.137	333.178	329.525	327.610	327.039
6.0	352.678	352.704	348.688	344.128	335.651	332.924	328.599	326.662	325.627
6.5	353.554	354.269	349.377	344.010	335.211	332.021	327.397	325.019	324.261
7.0	354.430	355.258	349.836	344.055	334.957	331.281	326.239	323.608	322.618
7.5	355.324	356.084	350.316	343.960	333.777	330.124	324.851	322.450	320.998
8.0	357.043	356.678	350.911	343.356	333.083	328.967	323.693	321.039	319.378
8.5	358.566	357.549	351.505	343.701	332.851	328.272	322.514	319.650	317.781
9.0	360.648	358.465	352.031	343.329	331.694	327.092	321.102	317.776	316.161
9.5	361.678	359.263	352.348	343.442	330.977	325.704	319.713	316.365	315.698
10.0	362.826	360.501	352.643	343.115	330.283	324.755	318.556	314.976	313.152
10.5	363.951	361.232	353.169	342.766	329.125	323.621	317.145	313.333	312.017
11.0	364.635	361.753	353.486	342.207	328.640	322.441	315.502	312.176	310.397
11.5	365.252	362.574	353.572	341.649	327.251	321.052	314.136	310.301	308.314
12.0	365.638	363.163	353.890	341.553	326.325	320.335	312.725	308.681	306.485
12.5	366.971	364.216	353.998	340.995	325.608	318.461	311.104	307.061	304.865
13.0	367.724	364.782	354.152	340.437	324.682	317.303	309.462	305.187	302.596
13.5	368.314	365.535	354.306	340.110	323.062	315.915	308.050	303.313	301.252
14.0	369.434	366.011	354.483	339.574	322.345	314.041	305.967	301.461	299.237
14.5	370.209	366.510	354.151	338.762	321.188	312.883	304.324	299.609	297.177
15.0	370.223	366.754	354.260	338.226	319.545	311.472	302.704	297.758	295.116
15.5	370.703	367.022	354.227	337.182	318.157	310.061	300.830	295.675	293.959
16.0	370.907	367.520	353.964	336.324	316.977	308.440	299.419	293.823	291.159
16.5	371.905	368.019	354.394	336.020	315.819	306.820	297.567	292.203	289.770
17.0	372.998	367.823	354.362	334.976	314.662	304.946	295.924	290.097	288.404
17.5	373.170	368.576	354.076	333.678	313.019	303.766	293.818	288.686	286.067
18.0	373.827	368.381	353.790	333.143	311.399	301.429	291.735	286.603	284.447
18.5	374.716	368.671	353.435	332.144	309.756	300.040	290.787	285.446	282.341
19.0	374.493	368.961	353.358	331.422	308.368	298.166	288.935	283.363	280.258
19.5	375.540	368.996	352.772	330.492	306.725	296.754	286.830	281.279	277.921
20.0	376.057	368.846	352.694	329.262	305.336	294.903	285.904	279.196	275.838
20.5	376.206	369.136	351.900	328.263	303.925	293.029	283.798	277.091	273.501
21.0	376.332	368.963	351.591	326.892	301.842	291.177	281.715	275.008	271.418
21.5	376.713	369.067	351.028	326.193	300.430	290.229	279.863	272.693	269.103
22.0	377.207	368.984	350.487	325.285	298.579	287.914	277.758	270.610	266.766
22.5	377.492	368.902	349.924	324.100	296.704	286.249	275.652	268.527	264.683
23.0	377.292	369.029	349.384	322.893	295.062	283.934	273.569	266.213	262.346
23.5	377.345	368.783	349.052	321.223	292.978	283.008	271.463	263.898	260.031
24.0	377.608	368.746	348.280	320.338	291.590	281.134	269.357	261.792	257.485
24.5	377.757	368.664	347.740	318.990	289.484	279.051	267.274	259.500	255.402
25.0	377.443	368.604	346.736	318.014	288.790	276.922	265.169	257.163	253.065
25.5	376.898	368.082	346.196	316.829	287.147	274.839	263.086	254.849	250.519
26.0	377.047	367.954	345.424	314.950	285.527	272.734	260.748	252.766	248.413
26.5	376.756	367.363	344.675	313.511	283.421	270.651	258.643	250.451	245.845

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CANDELA TABULATION - (Cont.)

27.0	376.234	367.004	344.180	312.326	281.315	268.522	256.328	248.137	243.530
27.5	376.219	366.877	342.782	311.142	279.441	266.439	254.222	245.800	241.193
28.0	376.369	366.286	341.869	309.009	277.358	264.102	252.117	243.485	238.647
28.5	375.755	365.696	341.165	308.033	275.506	262.019	249.802	241.171	236.310
29.0	375.255	365.568	340.461	306.154	273.192	259.913	247.488	238.625	233.996
29.5	375.151	364.514	339.571	304.229	271.086	257.599	245.150	236.310	231.565
30.0	374.973	363.879	338.636	303.022	268.980	255.239	243.067	233.973	229.159
30.5	374.382	363.356	337.701	301.374	266.897	253.156	240.730	231.635	226.844
31.0	374.300	362.997	336.788	299.681	264.814	250.819	238.416	229.298	224.438
31.5	373.800	362.593	335.390	298.937	262.709	248.504	236.101	227.006	222.054
32.0	373.023	362.002	334.708	297.013	260.394	246.398	233.764	224.622	219.762
32.5	373.173	361.180	333.519	296.037	258.288	244.061	231.426	222.307	217.333
33.0	371.910	360.844	332.538	294.389	256.205	241.747	229.089	219.878	214.903
33.5	372.128	359.768	331.326	292.487	253.868	239.410	226.774	217.540	212.565
34.0	371.814	358.968	329.883	290.817	251.554	237.095	224.437	215.249	210.135
34.5	371.082	358.146	328.439	288.893	249.216	234.989	222.099	212.865	207.775
35.0	370.215	357.324	327.481	286.991	246.902	232.605	219.808	210.527	205.483
35.5	369.670	356.756	326.478	285.321	244.819	230.268	217.517	208.166	203.076
36.0	368.798	355.471	325.079	283.419	242.504	227.931	215.179	205.852	200.669
36.5	368.298	354.649	324.099	281.517	239.958	225.593	212.749	203.583	198.286
37.0	367.499	354.082	322.401	279.593	237.621	223.325	210.481	201.200	195.878
37.5	366.790	352.819	320.935	277.691	235.307	220.919	208.167	198.793	193.611
38.0	366.499	351.766	320.000	275.790	232.992	218.581	205.806	196.525	191.158
38.5	365.051	350.967	318.093	273.888	230.632	216.197	203.491	194.164	188.728
39.0	364.342	350.399	316.858	271.755	228.225	213.906	201.130	191.850	186.367
39.5	363.334	349.114	317.035	269.830	225.887	211.568	198.862	189.489	184.029
40.0	363.065	348.315	315.614	267.929	223.480	209.161	196.571	187.175	181.761
40.5	361.662	347.470	314.193	265.795	221.073	206.824	194.187	184.860	179.423
41.0	360.609	346.253	312.727	263.871	218.736	204.487	191.873	182.523	177.040
41.5	359.437	345.200	311.306	261.783	216.282	202.057	189.512	180.255	174.748
42.0	359.146	344.355	309.608	259.904	213.898	199.834	187.198	177.894	172.458
42.5	358.184	343.324	308.165	258.025	211.491	197.474	184.860	175.533	170.189
43.0	356.989	341.576	306.676	256.191	209.085	195.090	182.546	173.312	167.783
43.5	356.422	340.754	305.255	254.104	206.562	192.706	180.162	170.928	165.537
44.0	355.205	339.701	303.603	252.016	204.201	190.369	177.778	168.590	163.338
44.5	354.242	338.670	301.882	249.905	201.748	188.054	175.441	166.300	161.048
45.0	353.533	337.848	300.461	248.004	199.341	185.602	173.126	163.939	158.802
45.5	352.017	336.354	298.786	245.917	196.934	183.240	170.719	161.671	156.442
46.0	351.912	335.324	297.111	243.853	194.481	180.856	168.405	159.379	154.174
46.5	350.509	334.733	295.668	241.766	192.050	178.496	166.021	157.042	151.998
47.0	349.986	334.374	293.993	239.633	189.528	176.135	163.683	154.796	149.800
47.5	349.210	333.411	292.295	237.614	187.028	173.728	161.346	152.482	147.462
48.0	348.270	332.058	290.688	235.596	184.551	171.252	159.054	150.284	145.194
48.5	346.753	330.842	288.945	233.554	182.121	168.845	156.671	147.993	142.949
49.0	345.813	329.557	287.293	231.443	179.691	166.461	154.333	145.771	140.658
49.5	344.896	328.272	285.595	229.333	177.238	164.123	152.042	143.526	138.482
50.0	345.022	327.264	283.897	227.269	174.762	161.740	149.751	141.281	136.191
50.5	343.365	325.979	282.245	225.136	172.308	159.287	147.390	139.151	133.969
51.0	343.051	324.739	280.592	223.072	169.878	156.926	145.099	136.884	131.725
51.5	341.903	323.477	278.663	220.939	167.448	154.496	142.761	134.638	129.549
52.0	340.754	321.961	276.943	218.713	164.971	152.158	140.516	132.440	127.420
52.5	339.768	320.698	275.291	216.626	162.541	149.798	138.225	130.241	125.198
53.0	338.551	319.391	273.384	214.447	160.088	147.390	135.911	128.043	122.953
53.5	337.334	318.151	271.663	212.291	157.704	144.960	133.596	125.867	120.708
54.0	336.208	316.844	269.873	210.089	155.228	142.623	131.305	123.622	118.717
54.5	334.991	315.418	268.013	207.863	152.844	140.308	129.037	121.470	116.519

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CANDELA TABULATION - (Cont.)

55.0	333.820	314.111	266.246	205.707	150.413	137.901	126.746	119.248	114.297
55.5	332.626	312.594	264.501	203.458	148.006	135.472	124.478	117.049	112.167
56.0	331.454	311.332	262.687	201.279	145.553	133.134	122.232	114.943	109.923
56.5	330.328	309.816	260.804	199.007	143.122	130.750	119.895	112.675	107.863
57.0	329.134	308.576	258.945	196.758	140.669	128.412	117.719	110.592	105.826
57.5	327.708	307.082	257.153	194.510	138.262	125.983	115.498	108.347	103.581
58.0	326.446	305.543	255.317	192.191	135.763	123.621	113.206	106.241	101.429
58.5	325.320	304.050	253.435	189.943	133.309	121.284	111.007	104.088	99.253
59.0	324.125	302.601	251.482	187.625	130.810	118.923	108.809	101.913	97.193
59.5	322.722	301.040	249.668	185.307	128.287	116.540	106.633	99.807	95.087
60.0	321.206	299.523	247.716	183.059	125.810	114.133	104.457	97.677	92.958
60.5	319.826	298.030	245.902	180.810	123.357	111.772	102.236	95.571	90.828
61.0	318.631	296.512	244.019	178.607	120.927	109.388	100.014	93.442	88.722
61.5	317.183	294.996	242.137	176.336	118.450	107.074	97.792	91.312	86.593
62.0	315.503	293.387	240.161	174.018	116.019	104.690	95.663	89.183	84.556
62.5	314.078	291.800	238.301	171.746	113.520	102.353	93.441	87.031	82.403
63.0	312.652	290.283	236.442	169.475	111.113	99.945	91.219	84.925	80.343
63.5	311.226	288.605	234.559	167.202	108.659	97.562	89.043	82.841	78.214
64.0	309.823	286.973	232.584	164.931	106.206	95.293	86.844	80.689	76.224
64.5	308.166	285.364	230.724	162.659	103.776	92.933	84.599	78.583	74.303
65.0	306.579	283.755	228.680	160.295	101.323	90.618	82.354	76.500	72.150
65.5	304.970	282.053	226.797	157.954	98.846	88.257	80.202	74.393	70.113
66.0	303.405	280.305	224.891	155.683	96.439	85.897	77.957	72.333	68.123
66.5	301.932	278.627	222.870	153.388	94.032	83.536	75.805	70.204	66.132
67.0	300.275	276.948	220.986	151.094	91.624	81.222	73.698	68.167	64.211
67.5	298.665	275.270	218.965	148.730	89.217	78.953	71.546	66.107	62.198
68.0	297.077	273.523	216.990	146.389	86.695	76.708	69.370	64.071	60.138
68.5	295.397	271.774	215.038	144.071	84.264	74.347	67.195	62.034	58.101
69.0	293.926	270.050	212.994	141.800	81.880	72.102	65.042	59.997	56.226
69.5	292.269	268.372	211.088	139.552	79.496	69.788	63.005	58.007	54.282
70.0	290.704	266.623	209.044	137.303	77.089	67.543	60.899	56.016	52.337
70.5	289.092	264.853	207.068	135.032	74.706	65.252	58.816	53.979	50.324
71.0	287.528	263.104	205.070	132.692	72.298	63.030	56.733	52.058	48.380
71.5	285.939	261.356	202.980	130.444	70.030	60.808	54.697	50.137	46.459
72.0	284.215	259.494	201.028	128.265	67.669	58.586	52.660	48.216	44.700
72.5	282.580	257.792	199.030	126.041	65.147	56.387	50.646	46.365	42.732
73.0	280.879	255.998	197.078	123.885	62.878	54.235	48.679	44.420	40.881
73.5	279.221	254.158	195.104	121.660	60.541	52.152	46.688	42.523	38.983
74.0	277.587	252.387	193.060	119.435	58.249	50.046	44.721	40.717	37.178
74.5	275.816	250.526	191.085	117.234	56.027	47.963	42.800	38.888	35.488
75.0	274.135	248.755	189.019	115.101	53.782	45.880	40.902	37.083	33.660
75.5	272.410	246.915	187.045	112.877	51.583	43.843	39.004	35.232	31.924
76.0	270.661	245.144	185.163	110.699	49.384	41.852	37.083	33.496	30.234
76.5	268.911	243.282	183.143	108.635	47.185	39.885	35.185	31.691	28.568
77.0	267.139	241.535	181.169	106.434	45.055	37.918	33.426	30.001	27.017
77.5	265.368	239.696	179.196	104.394	42.880	35.973	31.598	28.288	25.397
78.0	263.642	237.926	177.291	102.308	40.843	34.029	29.815	26.645	23.823
78.5	261.778	236.088	175.408	100.337	38.783	32.131	28.056	25.024	22.249
79.0	260.030	234.203	173.481	98.252	36.792	30.303	26.321	23.404	20.652
79.5	258.258	232.434	171.599	96.236	34.778	28.498	24.630	21.784	19.194
80.0	256.442	230.641	169.695	94.243	32.787	26.738	22.987	20.256	17.712
80.5	254.625	228.827	167.791	92.365	30.866	24.979	21.367	18.729	16.277
81.0	252.923	227.080	166.025	90.487	29.014	23.266	19.793	17.248	14.796
81.5	251.175	225.196	164.191	88.610	27.209	21.623	18.242	15.790	13.361
82.0	249.404	223.450	162.425	86.733	25.427	20.002	16.692	14.355	12.019
82.5	247.816	221.866	160.684	84.925	23.645	18.452	15.256	13.035	10.745

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CANDELA TABULATION - (Cont.)

83.0	246.092	220.166	158.896	83.232	21.932	16.878	13.821	11.692	9.427
83.5	244.461	218.443	157.154	81.562	20.288	15.350	12.456	10.373	8.154
84.0	242.874	216.812	155.505	79.894	18.691	13.892	11.113	9.100	6.903
84.5	241.242	215.136	153.833	78.225	17.118	12.480	9.748	7.827	5.746
85.0	239.702	213.437	152.185	76.649	15.590	11.114	8.452	6.647	4.704
85.5	238.185	211.876	150.466	75.073	14.086	9.749	7.201	5.513	3.779
86.0	236.669	210.383	148.818	73.566	12.627	8.429	5.998	4.494	3.107
86.5	235.265	209.026	147.330	72.059	11.216	7.156	4.840	3.707	2.644
87.0	233.975	208.078	145.864	70.667	9.873	5.906	3.822	3.082	2.343
87.5	233.048	207.357	144.762	69.230	8.531	4.702	3.104	2.688	2.158
88.0	232.599	207.023	143.977	67.815	7.165	3.522	2.595	2.410	2.064
88.5	232.261	206.779	143.486	66.582	5.800	2.550	2.317	2.202	1.949
89.0	232.060	206.718	143.360	65.734	4.411	2.087	2.155	2.132	1.925
89.5	232.020	206.679	143.257	65.453	3.229	1.924	2.085	2.063	1.902
90.0	232.046	206.663	143.269	65.470	2.762	1.878	2.062	2.062	1.925
90.5	231.868	206.717	143.283	65.601	3.281	1.877	2.061	2.062	1.901
91.0	231.965	206.886	143.456	66.217	4.414	1.900	2.038	2.084	1.901
91.5	232.016	207.194	143.837	67.297	5.774	2.262	2.061	2.061	1.878
92.0	232.298	207.686	144.703	68.585	7.089	2.919	2.129	2.038	1.923
92.5	232.603	208.524	145.893	69.873	8.358	3.985	2.310	2.106	1.969
93.0	233.231	209.571	147.313	71.368	9.627	5.231	2.763	2.197	2.127
93.5	234.044	210.894	148.826	72.701	10.942	6.478	3.534	2.446	2.490
94.0	235.250	212.402	150.383	74.217	12.324	7.748	4.576	2.944	3.193
94.5	236.711	213.934	151.847	75.710	13.730	8.971	5.778	3.738	4.167
95.0	238.240	215.578	153.565	77.203	15.181	10.309	7.001	4.690	5.255
95.5	239.769	217.246	155.213	78.764	16.677	11.669	8.271	5.846	6.502
96.0	241.367	218.799	156.838	80.370	18.218	13.029	9.632	7.093	7.726
96.5	242.919	220.398	158.509	82.045	19.805	14.457	10.969	8.339	9.041
97.0	244.493	222.020	160.179	83.743	21.437	15.885	12.352	9.654	10.379
97.5	246.113	223.686	161.873	85.439	23.137	17.404	13.757	11.037	11.693
98.0	247.686	225.352	163.567	87.250	24.814	18.945	15.163	12.375	13.030
98.5	249.351	227.064	165.352	89.083	26.606	20.532	16.636	13.780	14.482
99.0	250.993	228.799	167.137	90.892	28.464	22.232	18.155	15.208	15.932
99.5	252.636	230.488	168.943	92.794	30.323	23.910	19.719	16.705	17.452
100.0	254.277	232.222	170.796	94.717	32.227	25.678	21.283	18.201	18.902
100.5	255.919	233.979	172.625	96.640	34.176	27.446	22.915	19.697	20.444
101.0	257.652	235.690	174.500	98.632	36.172	29.214	24.616	21.238	21.962
101.5	259.248	237.400	176.352	100.601	38.189	31.119	26.293	22.802	23.572
102.0	260.980	239.181	178.294	102.615	40.252	32.886	28.038	24.412	25.227
102.5	262.645	240.892	180.168	104.606	42.315	34.882	29.784	26.067	26.859
103.0	264.356	242.648	182.064	106.620	44.468	37.239	31.575	27.722	28.537
103.5	266.065	244.382	183.984	108.679	46.645	39.189	33.388	29.422	30.192
104.0	267.776	246.116	185.926	110.784	48.776	40.843	35.202	31.145	31.960
104.5	269.439	247.941	187.844	112.843	50.952	42.929	37.106	32.913	33.728
105.0	271.194	249.652	189.741	114.902	53.219	44.924	38.988	34.704	35.519
105.5	272.699	251.408	191.705	117.007	55.463	47.032	40.892	36.495	37.309
106.0	274.431	253.164	193.601	119.134	57.730	49.389	42.842	38.308	39.146
106.5	276.049	254.852	195.497	121.284	60.065	51.838	44.814	40.145	40.959
107.0	277.736	256.586	197.416	123.366	62.355	53.629	46.763	42.026	42.932
107.5	279.423	258.341	199.312	125.516	64.689	55.555	48.803	43.885	44.768
108.0	281.041	260.052	201.277	127.711	67.025	57.732	50.798	45.880	46.695
108.5	282.637	261.762	203.218	129.907	69.405	59.954	52.816	47.784	48.599
109.0	284.346	263.405	205.137	132.079	71.763	62.152	54.901	49.779	50.549
109.5	285.919	265.230	207.056	134.229	74.120	64.374	56.965	51.706	52.476
110.0	287.560	266.826	208.929	136.470	76.523	66.618	59.005	53.701	54.494
110.5	289.155	268.538	210.734	138.665	78.926	68.862	61.113	55.696	56.466

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CANDELA TABULATION - (Cont.)

111.0	290.774	270.135	212.630	140.860	81.351	71.130	63.221	57.714	58.483
111.5	292.347	271.800	214.550	143.101	83.777	73.397	65.307	59.754	60.410
112.0	293.852	273.466	216.422	145.319	86.202	75.686	67.460	61.794	62.359
112.5	295.470	275.109	218.341	147.582	88.696	78.021	69.636	63.812	64.355
113.0	296.928	276.752	220.238	149.799	91.099	80.356	71.767	65.829	66.395
113.5	298.525	278.372	222.110	152.108	93.525	82.714	73.966	67.915	68.480
114.0	300.051	279.923	223.983	154.326	96.018	85.026	76.211	69.977	70.521
114.5	301.556	281.520	225.857	156.566	98.421	87.406	78.885	72.109	72.561
115.0	302.970	283.141	227.730	158.830	100.870	89.764	81.742	74.217	74.647
115.5	304.407	284.738	229.580	161.070	103.341	92.167	83.782	76.280	76.664
116.0	305.957	286.221	231.477	163.311	105.812	94.525	85.188	78.388	78.863
116.5	307.349	287.819	233.258	165.552	108.237	96.882	87.137	80.496	80.926
117.0	308.898	289.417	235.177	167.815	110.709	99.330	89.722	82.650	83.080
117.5	310.267	290.877	236.982	170.032	113.225	101.666	92.623	84.713	85.120
118.0	311.636	292.451	238.809	172.296	115.628	104.114	94.935	86.889	87.251
118.5	312.935	293.912	240.728	174.513	118.121	106.517	96.523	88.952	89.359
119.0	314.328	295.327	242.511	176.777	120.593	108.875	98.291	91.174	91.536
119.5	315.720	296.969	244.338	178.994	123.064	111.210	100.467	93.304	93.576
120.0	317.042	298.454	246.143	181.189	125.580	113.590	102.689	95.481	95.843
120.5	318.388	299.893	247.948	183.339	128.029	116.016	104.933	97.635	97.928
121.0	319.734	301.308	249.776	185.580	130.409	118.374	107.154	99.833	100.060
121.5	321.103	302.792	251.535	187.751	132.902	120.708	109.376	102.440	102.191
122.0	322.222	304.231	253.341	189.992	135.373	123.066	111.689	105.410	104.367
122.5	323.614	305.396	255.077	192.165	137.799	125.401	113.910	107.949	106.566
123.0	324.983	306.881	256.860	194.337	140.247	127.805	116.178	109.627	108.742
123.5	326.352	308.273	258.665	196.486	142.718	130.140	118.444	111.644	110.986
124.0	327.495	309.508	260.470	198.636	145.121	132.520	120.734	114.274	114.001
124.5	328.863	310.923	262.206	200.831	147.593	134.923	123.001	116.496	117.924
125.0	330.052	312.385	264.012	203.003	149.995	137.213	125.314	117.992	120.439
125.5	331.171	313.597	265.793	205.176	152.466	139.593	127.581	119.579	121.619
126.0	332.517	315.035	267.463	207.257	154.869	141.950	129.870	121.687	122.027
126.5	333.636	316.293	269.244	209.384	157.272	144.263	132.115	123.864	123.931
127.0	334.825	317.731	271.140	211.511	159.721	146.666	134.381	126.063	126.107
127.5	335.990	318.943	272.764	213.570	162.146	149.001	136.671	128.239	128.306
128.0	337.109	320.178	274.341	215.719	164.527	151.404	138.984	130.438	130.550
128.5	338.275	321.616	276.214	217.846	166.998	153.807	141.183	132.660	132.749
129.0	339.440	322.851	277.838	219.928	169.446	156.142	143.563	134.926	134.994
129.5	339.426	324.063	279.462	222.033	171.872	158.500	145.898	137.126	137.238
130.0	340.614	325.275	281.335	224.137	174.275	160.857	148.210	139.325	139.482
130.5	341.327	326.486	282.935	226.264	176.678	163.260	150.523	141.524	141.749
131.0	342.446	327.448	284.559	228.323	179.126	165.618	152.767	143.746	143.971
131.5	342.727	328.503	286.183	230.404	181.597	167.953	155.057	146.012	146.215
132.0	344.504	329.488	287.806	232.463	184.023	170.288	157.414	148.257	148.528
132.5	345.692	330.450	289.430	234.522	186.494	172.668	159.704	150.501	150.771
133.0	346.201	331.277	291.053	236.536	188.942	175.003	162.084	152.700	153.017
133.5	347.320	332.036	292.677	238.617	191.323	177.384	164.374	155.239	155.261
134.0	348.939	333.497	294.277	240.722	193.726	179.764	166.732	157.461	157.573
134.5	349.424	334.482	295.674	242.781	196.151	182.076	169.066	159.728	159.794
135.0	350.566	335.944	297.298	244.886	198.577	184.502	171.356	162.017	162.176
135.5	351.981	336.679	298.921	246.717	201.003	186.882	173.714	164.330	164.374
136.0	352.444	337.687	300.475	248.822	203.406	189.263	176.004	166.529	166.687
136.5	354.039	338.696	301.919	250.858	205.786	191.552	178.316	168.819	168.885
137.0	354.071	339.884	303.292	252.939	208.212	193.955	180.651	171.063	171.289
137.5	355.394	341.119	304.939	254.818	210.570	196.359	182.895	173.306	173.556
138.0	355.879	341.877	305.813	256.830	212.949	198.670	185.183	175.550	175.683
138.5	357.272	343.339	307.006	258.685	215.239	201.005	187.519	177.931	178.110

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CANDELA TABULATION - (Cont.)

139.0	358.053	343.894	308.630	260.743	217.596	203.272	189.808	180.176	180.423
139.5	358.696	344.856	309.777	262.552	219.977	205.652	192.098	182.466	182.713
140.0	359.408	345.887	311.197	264.384	222.312	207.919	194.320	184.710	184.980
140.5	360.596	346.918	311.914	266.419	224.670	210.277	196.678	187.068	187.429
141.0	361.285	347.903	313.084	268.228	227.074	212.567	199.013	189.471	189.832
141.5	362.224	348.255	314.708	270.264	229.454	214.879	201.302	191.828	192.167
142.0	362.756	349.513	315.855	272.095	231.721	217.192	203.591	194.186	194.524
142.5	363.468	350.498	317.275	273.904	233.988	219.458	205.858	196.430	196.882
143.0	364.587	351.233	318.422	275.759	236.254	221.771	208.125	198.697	199.217
143.5	365.549	351.788	319.592	277.614	238.748	224.128	210.483	201.100	201.575
144.0	365.127	352.592	320.989	279.469	241.038	226.440	212.749	203.457	203.932
144.5	366.362	353.624	322.159	281.301	243.328	228.617	215.062	205.792	206.289
145.0	367.504	354.405	323.103	282.953	245.595	230.883	217.328	208.058	208.738
145.5	367.560	355.187	324.726	284.808	247.862	233.173	219.595	210.393	211.005
146.0	368.249	355.695	325.647	286.459	249.925	235.440	221.816	212.660	213.340
146.5	369.507	356.726	326.840	287.634	252.192	237.707	224.061	214.972	215.675
147.0	370.015	357.235	327.987	289.262	254.459	239.974	226.395	217.261	218.032
147.5	370.977	358.289	328.954	290.460	256.522	242.287	228.640	219.573	220.299
148.0	370.986	358.391	330.124	291.862	258.789	244.531	230.907	221.885	222.679
148.5	371.064	358.946	330.841	293.717	260.852	246.571	233.197	224.198	224.991
149.0	371.753	359.977	332.011	295.345	263.142	248.634	235.440	226.464	227.349
149.5	372.104	359.625	332.728	296.544	265.183	250.924	237.707	228.663	229.616
150.0	372.317	360.610	333.898	298.422	267.223	253.191	239.974	230.930	232.109
150.5	373.052	361.165	335.318	299.846	269.263	255.255	242.241	233.423	234.376
151.0	373.084	361.720	335.604	301.498	271.326	257.295	244.304	235.667	236.847
151.5	373.842	361.844	337.001	302.900	273.390	259.562	246.571	237.957	239.137
152.0	373.897	362.195	337.515	304.551	275.453	261.625	248.838	240.201	241.607
152.5	373.703	362.750	338.481	305.749	277.493	263.665	251.128	242.468	243.897
153.0	373.758	362.852	339.448	307.401	279.330	265.728	253.145	244.508	246.164
153.5	374.493	363.430	340.165	308.825	280.486	267.769	255.435	247.001	248.431
154.0	374.095	363.781	340.678	310.477	282.753	270.059	257.475	249.245	250.948
154.5	374.603	363.905	341.145	311.675	284.340	271.872	259.742	251.512	253.238
155.0	375.089	364.234	342.065	312.873	285.723	273.959	261.805	253.552	255.481
155.5	374.940	364.155	342.713	314.321	287.333	275.976	264.072	255.819	257.771
156.0	374.292	364.506	343.133	315.496	289.373	278.062	266.136	258.086	260.015
156.5	374.801	364.880	343.600	316.944	290.983	279.196	268.176	260.330	262.055
157.0	375.036	364.755	344.294	318.165	292.820	281.259	270.216	262.370	264.345
157.5	373.995	364.903	344.761	319.114	294.407	283.072	272.506	264.637	266.612
158.0	374.064	364.370	345.297	320.312	296.017	284.886	274.546	266.903	268.879
158.5	373.457	364.518	345.607	321.306	297.830	286.269	276.360	268.944	270.919
159.0	372.832	364.666	346.144	322.504	299.440	288.083	277.720	270.984	273.186
159.5	373.433	364.790	346.453	323.726	300.800	290.123	280.463	273.251	275.226
160.0	372.693	364.665	346.786	324.697	302.637	291.733	281.597	275.291	277.493
160.5	372.160	364.517	347.346	325.465	304.020	293.569	283.660	277.331	279.556
161.0	372.349	364.549	347.679	326.459	305.154	295.156	285.247	278.918	281.800
161.5	371.910	363.720	348.215	327.431	306.967	296.970	286.630	280.958	283.614
162.0	371.609	363.368	347.664	328.425	308.101	298.580	288.670	282.998	284.474
162.5	370.757	362.813	348.451	328.740	309.937	300.416	290.257	284.585	286.468
163.0	370.516	363.187	348.353	329.961	311.094	302.230	292.547	286.172	288.212
163.5	370.095	362.451	348.483	330.479	312.681	303.613	294.134	288.212	290.229
164.0	370.219	362.442	348.816	331.247	313.814	304.973	295.721	290.025	292.019
164.5	369.484	361.729	348.718	331.765	315.197	306.560	297.784	292.089	294.467
165.0	368.771	361.697	348.848	332.533	316.557	308.373	299.597	293.676	296.280
165.5	367.605	360.530	348.773	333.278	317.941	309.530	300.957	295.262	297.867
166.0	367.595	360.091	348.653	334.046	319.074	310.890	302.567	297.303	300.088
166.5	367.086	359.628	348.805	334.813	319.981	312.500	304.358	299.116	302.128

CANDELA TABULATION - (Cont.)

167.0	366.530	359.165	348.504	334.698	321.137	313.634	306.194	300.726	303.941
167.5	365.545	358.295	348.430	335.262	322.067	314.994	307.328	302.789	305.528
168.0	363.972	357.628	348.356	335.826	323.201	316.377	309.164	304.603	307.365
168.5	363.735	357.096	348.282	336.414	324.334	317.737	311.001	306.440	309.155
169.0	362.366	356.314	347.754	336.071	325.491	319.097	312.111	307.800	310.719
169.5	361.676	355.467	347.680	336.839	326.148	320.004	313.925	309.840	312.056
170.0	360.987	354.597	347.379	336.973	326.828	321.387	315.308	311.200	313.869
170.5	360.320	354.204	346.648	337.334	327.531	322.521	316.465	312.810	315.479
171.0	358.927	353.380	346.824	337.491	327.984	323.654	317.621	314.397	316.862
171.5	357.831	352.556	345.843	337.649	329.141	324.357	319.005	316.030	318.676
172.0	357.234	351.529	345.815	338.010	330.071	325.491	320.365	316.937	319.990
172.5	356.160	350.525	345.084	337.940	330.728	326.624	321.725	318.750	321.780
173.0	354.656	349.701	344.399	337.894	331.204	327.758	323.085	320.110	322.664
173.5	353.856	348.674	344.191	338.301	331.634	328.211	324.218	321.244	324.274
174.0	353.009	347.873	343.279	338.255	331.861	329.344	325.125	322.627	325.837
174.5	351.686	346.416	342.641	338.208	332.564	330.478	326.235	323.987	326.517
175.0	350.362	345.412	342.002	337.732	333.244	331.158	327.142	325.097	327.854
175.5	349.062	344.454	341.387	338.185	333.675	331.588	328.299	326.254	328.761
176.0	348.715	343.519	340.794	338.162	334.151	332.518	329.409	327.410	330.598
176.5	346.827	342.178	340.225	337.958	334.355	332.971	330.792	328.567	331.301
177.0	345.846	341.336	339.249	337.958	334.401	333.651	331.019	329.677	332.434
177.5	344.389	340.063	338.976	337.505	334.831	333.878	332.152	330.584	333.091
178.0	343.024	339.291	338.500	337.505	335.058	334.558	332.809	331.967	334.928
178.5	341.571	337.884	337.820	337.278	335.058	335.238	333.489	332.851	336.038
179.0	340.595	337.408	336.913	337.278	335.285	335.465	334.646	333.758	336.491
179.5	339.665	336.524	336.459	336.825	335.285	335.918	335.099	334.461	338.328
180.0	336.140	336.140	336.140	336.140	336.140	336.140	336.140	336.140	336.140

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-940U-L13-940D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	124.80	N.A.	5.50
0-30	265.11	N.A.	11.70
0-40	434.87	N.A.	19.20
0-60	787.65	N.A.	34.70
0-80	1054.9	N.A.	46.50
0-90	1138.85	N.A.	50.20
10-90	1106.61	N.A.	48.80
20-40	310.07	N.A.	13.70
20-50	490.08	N.A.	21.60
40-70	502.98	N.A.	22.20
60-80	267.25	N.A.	11.80
70-80	117.04	N.A.	5.20
80-90	83.95	N.A.	3.70
90-110	200.24	N.A.	8.80
90-120	349.38	N.A.	15.40
90-130	520.94	N.A.	23.00
90-150	867.80	N.A.	38.20
90-180	1129.97	N.A.	49.80
110-180	929.73	N.A.	41.00
0-180	2268.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	32.24
10-20	92.56
20-30	140.31
30-40	169.77
40-50	180.01
50-60	172.78
60-70	150.20
70-80	117.04
80-90	83.95
90-100	83.83
100-110	116.41
110-120	149.15
120-130	171.56
130-140	178.63
140-150	168.23
150-160	138.81
160-170	91.47
170-180	31.88

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-940U-L13-940D-DMA-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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	96	91	87	83	88	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	44	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-L13-940U-L13-940D-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

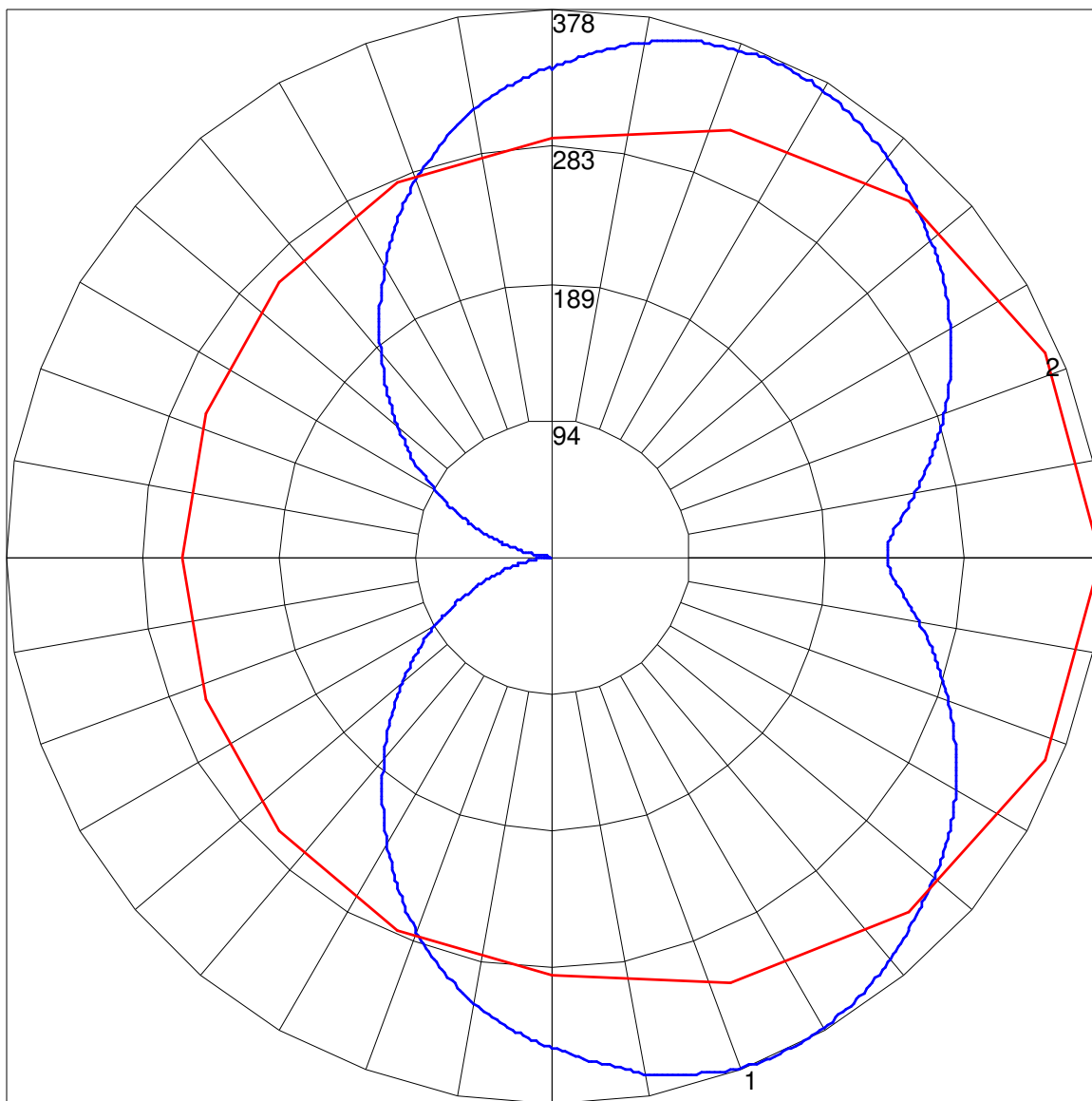
X=2H	Y=2H	18.9	19.8	19.8	20.7	22.0	13.0	13.9	13.9	14.8	16.1
	3H	21.9	22.7	22.9	23.7	25.0	14.3	15.2	15.3	16.1	17.4
	4H	23.5	24.2	24.4	25.2	26.5	14.8	15.5	15.7	16.5	17.8
	6H	25.1	25.8	26.1	26.8	28.1	15.0	15.7	16.0	16.7	18.0
	8H	25.9	26.6	26.9	27.6	29.0	15.0	15.7	16.0	16.7	18.1
	12H	26.9	27.5	27.9	28.5	29.9	15.1	15.7	16.1	16.7	18.1

UGR Viewed Endwise

4H	2H	19.2	19.9	20.1	20.9	22.2	14.2	15.0	15.2	16.0	17.3
	3H	22.4	23.1	23.4	24.1	25.4	15.8	16.5	16.8	17.5	18.8
	4H	24.1	24.8	25.1	25.8	27.1	16.4	17.0	17.4	18.0	19.4
	6H	26.0	26.5	27.0	27.6	28.9	16.8	17.3	17.8	18.4	19.7
	8H	27.0	27.5	28.0	28.5	29.8	16.9	17.4	17.9	18.4	19.8
	12H	28.0	28.5	29.0	29.5	30.8	16.9	17.4	18.0	18.4	19.8
8H	4H	24.3	24.8	25.3	25.8	27.2	17.5	18.0	18.5	19.0	20.4
	6H	26.3	26.7	27.3	27.8	29.1	18.1	18.5	19.2	19.6	21.0
	8H	27.4	27.8	28.5	28.8	30.2	18.4	18.7	19.4	19.8	21.1
	12H	28.7	29.0	29.7	30.0	31.4	18.5	18.8	19.5	19.9	21.3
12H	4H	24.3	24.7	25.3	25.8	27.1	17.8	18.3	18.9	19.3	20.7
	6H	26.3	26.7	27.4	27.7	29.1	18.6	19.0	19.7	20.1	21.4
	8H	27.5	27.8	28.5	28.9	30.3	19.0	19.3	20.0	20.3	21.7

Maximum UGR = 31.4

POLAR GRAPH



Maximum Candela = 377.757 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.)