

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-835U-L13-835D-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-L13-835U-L13-835D-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	2638
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
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	10897	10155	9576
55	10832	9679	8671
65	10851	9298	7590
75	11040	9030	6011
85	11605	9150	3648

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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	394.820	394.820	394.820	394.820	394.820	394.820	394.820	394.820	394.820
0.5	395.375	396.034	395.300	396.804	394.113	396.160	393.501	393.480	393.518
1.0	396.452	396.973	396.751	397.126	393.870	395.569	392.372	392.351	392.415
1.5	397.876	398.234	397.179	397.986	393.870	394.467	391.781	390.979	390.531
2.0	399.085	399.791	398.144	398.065	393.575	393.633	390.704	389.876	389.428
2.5	400.831	400.862	399.432	398.413	393.305	393.095	389.628	389.069	388.378
3.0	401.987	402.471	400.450	398.492	393.036	392.556	388.820	387.454	387.006
3.5	403.517	403.890	401.199	399.405	393.036	391.453	387.475	386.351	386.198
4.0	405.533	405.309	402.486	399.484	392.472	390.377	386.936	385.005	384.315
4.5	406.446	406.486	403.505	399.321	392.203	390.108	385.591	383.660	382.673
5.0	406.952	407.958	404.386	400.207	391.664	388.762	383.976	382.288	381.085
5.5	408.830	409.161	404.675	400.312	390.857	387.416	383.169	380.942	380.278
6.0	410.091	410.120	405.451	400.149	390.292	387.121	382.092	379.839	378.636
6.5	411.110	411.941	406.253	400.011	389.780	386.071	380.694	377.929	377.048
7.0	412.128	413.091	406.786	400.064	389.485	385.211	379.348	376.288	375.138
7.5	413.167	414.051	407.345	399.953	388.113	383.865	377.733	374.942	373.254
8.0	415.166	414.742	408.035	399.251	387.305	382.519	376.388	373.301	371.370
8.5	416.938	415.754	408.726	399.652	387.036	381.712	375.016	371.686	369.512
9.0	419.358	416.820	409.338	399.219	385.691	380.340	373.375	369.507	367.629
9.5	420.556	417.748	409.707	399.351	384.857	378.725	371.760	367.866	367.090
10.0	421.890	419.188	410.050	398.971	384.050	377.622	370.414	366.251	364.130
10.5	423.198	420.037	410.662	398.565	382.704	376.303	368.773	364.341	362.811
11.0	423.995	420.643	411.031	397.915	382.139	374.931	366.863	362.995	360.927
11.5	424.712	421.598	411.131	397.266	380.525	373.316	365.274	360.816	358.505
12.0	425.160	422.283	411.500	397.155	379.448	372.483	363.633	358.932	356.378
12.5	426.711	423.506	411.626	396.506	378.614	370.303	361.749	357.048	354.494
13.0	427.586	424.165	411.805	395.857	377.538	368.958	359.839	354.869	351.855
13.5	428.272	425.041	411.984	395.477	375.654	367.343	358.198	352.689	350.293
14.0	429.574	425.594	412.189	394.854	374.820	365.163	355.776	350.536	347.950
14.5	430.476	426.174	411.803	393.909	373.474	363.818	353.866	348.383	345.554
15.0	430.491	426.459	411.930	393.286	371.564	362.177	351.982	346.230	343.159
15.5	431.050	426.769	411.892	392.072	369.949	360.535	349.802	343.808	341.813
16.0	431.288	427.349	411.586	391.075	368.577	358.652	348.161	341.655	338.557
16.5	432.447	427.929	412.087	390.721	367.232	356.768	346.008	339.771	336.942
17.0	433.718	427.702	412.049	389.507	365.886	354.588	344.098	337.322	335.354
17.5	433.918	428.577	411.716	387.998	363.976	353.216	341.649	335.681	332.636
18.0	434.682	428.350	411.383	387.375	362.092	350.499	339.227	333.259	330.752
18.5	435.716	428.687	410.971	386.214	360.182	348.884	338.124	331.913	328.304
19.0	435.457	429.024	410.881	385.375	358.567	346.704	335.971	329.491	325.882
19.5	436.675	429.065	410.200	384.293	356.657	345.063	333.523	327.069	323.164
20.0	437.275	428.891	410.110	382.862	355.042	342.910	332.446	324.647	320.742
20.5	437.449	429.228	409.186	381.701	353.401	340.731	329.998	322.198	318.024
21.0	437.596	429.027	408.827	380.107	350.979	338.578	327.576	319.776	315.602
21.5	438.038	429.147	408.172	379.294	349.338	337.475	325.423	317.085	312.911
22.0	438.613	429.052	407.543	378.239	347.184	334.784	322.974	314.663	310.193
22.5	438.944	428.956	406.889	376.861	345.005	332.847	320.525	312.241	307.771
23.0	438.711	429.103	406.260	375.457	343.095	330.156	318.103	309.549	305.053
23.5	438.774	428.817	405.875	373.515	340.673	329.079	315.655	306.858	302.362
24.0	439.079	428.774	404.977	372.486	339.058	326.900	313.206	304.410	299.402
24.5	439.252	428.679	404.349	370.918	336.609	324.478	310.784	301.745	296.979
25.0	438.888	428.609	403.182	369.783	335.802	322.003	308.336	299.027	294.262
25.5	438.254	428.002	402.554	368.406	333.892	319.581	305.913	296.336	291.301
26.0	438.427	427.853	401.656	366.221	332.008	317.132	303.196	293.914	288.853
26.5	438.089	427.167	400.785	364.548	329.559	314.710	300.747	291.222	285.866

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CANDELA TABULATION - (Cont.)

27.0	437.481	426.749	400.209	363.170	327.111	312.235	298.056	288.531	283.175
27.5	437.464	426.601	398.583	361.793	324.931	309.813	295.607	285.813	280.457
28.0	437.638	425.914	397.522	359.312	322.509	307.095	293.159	283.122	277.497
28.5	436.925	425.227	396.704	358.177	320.356	304.673	290.468	280.431	274.779
29.0	436.344	425.079	395.885	355.993	317.665	302.225	287.776	277.470	272.088
29.5	436.222	423.854	394.850	353.755	315.216	299.533	285.059	274.779	269.262
30.0	436.015	423.115	393.763	352.351	312.768	296.789	282.637	272.061	266.464
30.5	435.328	422.507	392.675	350.435	310.346	294.367	279.919	269.343	263.772
31.0	435.233	422.090	391.614	348.467	307.924	291.650	277.228	266.625	260.974
31.5	434.651	421.619	389.988	347.601	305.475	288.958	274.536	263.961	258.202
32.0	433.748	420.933	389.196	345.363	302.784	286.510	271.819	261.188	255.538
32.5	433.922	419.977	387.813	344.229	300.335	283.792	269.101	258.497	252.713
33.0	432.454	419.586	386.672	342.313	297.913	281.101	266.382	255.672	249.887
33.5	432.706	418.334	385.263	340.102	295.195	278.383	263.691	252.953	247.169
34.0	432.342	417.405	383.584	338.159	292.504	275.692	260.973	250.289	244.343
34.5	431.491	416.449	381.906	335.922	289.787	273.243	258.255	247.517	241.598
35.0	430.483	415.493	380.792	333.710	287.095	270.471	255.591	244.799	238.934
35.5	429.849	414.833	379.625	331.768	284.673	267.754	252.926	242.054	236.135
36.0	428.835	413.339	377.999	329.557	281.982	265.036	250.208	239.362	233.337
36.5	428.253	412.383	376.859	327.346	279.021	262.318	247.383	236.725	230.565
37.0	427.324	411.723	374.885	325.108	276.304	259.680	244.745	233.953	227.766
37.5	426.500	410.255	373.180	322.897	273.612	256.882	242.054	231.154	225.129
38.0	426.162	409.030	372.092	320.685	270.921	254.164	239.309	228.517	222.277
38.5	424.477	408.101	369.876	318.474	268.177	251.392	236.618	225.772	219.451
39.0	423.653	407.440	368.440	315.994	265.378	248.728	233.873	223.081	216.706
39.5	422.481	405.946	368.645	313.756	262.659	246.010	231.235	220.336	213.987
40.0	422.169	405.017	366.993	311.545	259.861	243.211	228.571	217.645	211.350
40.5	420.538	404.035	365.341	309.064	257.062	240.493	225.799	214.953	208.632
41.0	419.313	402.620	363.636	306.827	254.344	237.775	223.108	212.236	205.861
41.5	417.951	401.395	361.984	304.399	251.491	234.950	220.363	209.598	203.196
42.0	417.612	400.413	360.010	302.214	248.719	232.366	217.672	206.854	200.532
42.5	416.493	399.214	358.331	300.029	245.920	229.621	214.954	204.109	197.894
43.0	415.104	397.182	356.600	297.897	243.122	226.849	212.263	201.525	195.096
43.5	414.444	396.226	354.948	295.469	240.188	224.077	209.491	198.754	192.485
44.0	413.029	395.001	353.026	293.042	237.443	221.359	206.719	196.035	189.928
44.5	411.909	393.803	351.026	290.588	234.590	218.668	204.001	193.372	187.265
45.0	411.085	392.847	349.374	288.376	231.792	215.816	201.310	190.626	184.654
45.5	409.322	391.110	347.426	285.950	228.993	213.070	198.511	187.989	181.909
46.0	409.200	389.911	345.478	283.550	226.140	210.298	195.820	185.325	179.272
46.5	407.569	389.225	343.800	281.123	223.314	207.554	193.047	182.607	176.742
47.0	406.961	388.807	341.852	278.642	220.381	204.808	190.329	179.996	174.186
47.5	406.058	387.688	339.878	276.296	217.474	202.009	187.612	177.305	171.468
48.0	404.965	386.114	338.009	273.949	214.595	199.130	184.947	174.748	168.830
48.5	403.202	384.699	335.982	271.575	211.769	196.331	182.175	172.085	166.220
49.0	402.108	383.205	334.061	269.120	208.944	193.559	179.457	169.501	163.555
49.5	401.042	381.711	332.087	266.666	206.091	190.841	176.793	166.891	161.026
50.0	401.189	380.539	330.113	264.266	203.211	188.070	174.129	164.280	158.361
50.5	399.262	379.045	328.192	261.786	200.358	185.217	171.384	161.804	155.778
51.0	398.897	377.604	326.270	259.386	197.533	182.472	168.719	159.167	153.168
51.5	397.561	376.136	324.027	256.905	194.707	179.646	166.001	156.556	150.638
52.0	396.225	374.373	322.027	254.318	191.827	176.928	163.391	154.000	148.162
52.5	395.079	372.905	320.105	251.891	189.001	174.183	160.727	151.444	145.579
53.0	393.664	371.385	317.889	249.357	186.148	171.384	158.035	148.887	142.968
53.5	392.249	369.943	315.888	246.850	183.376	168.558	155.344	146.357	140.358
54.0	390.940	368.423	313.806	244.289	180.497	165.840	152.680	143.746	138.043
54.5	389.525	366.765	311.643	241.701	177.725	163.149	150.043	141.244	135.487

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CANDELA TABULATION - (Cont.)

55.0	388.163	365.245	309.588	239.194	174.899	160.351	147.379	138.660	132.903
55.5	386.774	363.482	307.559	236.579	172.100	157.525	144.742	136.104	130.427
56.0	385.412	362.014	305.450	234.045	169.248	154.806	142.131	133.655	127.817
56.5	384.102	360.251	303.261	231.404	166.421	152.035	139.413	131.017	125.422
57.0	382.714	358.809	301.099	228.789	163.569	149.316	136.883	128.596	123.053
57.5	381.056	357.073	299.015	226.174	160.770	146.492	134.299	125.985	120.443
58.0	379.588	355.283	296.880	223.478	157.863	143.746	131.635	123.536	117.940
58.5	378.279	353.546	294.691	220.864	155.011	141.028	129.078	121.033	115.410
59.0	376.890	351.862	292.421	218.168	152.104	138.283	126.522	118.503	113.015
59.5	375.259	350.046	290.311	215.473	149.171	135.511	123.992	116.054	110.566
60.0	373.495	348.283	288.042	212.859	146.291	132.713	121.462	113.578	108.090
60.5	371.890	346.546	285.933	210.244	143.438	129.968	118.879	111.129	105.614
61.0	370.502	344.782	283.744	207.683	140.612	127.196	116.295	108.653	103.165
61.5	368.818	343.019	281.554	205.042	137.733	124.504	113.712	106.177	100.689
62.0	366.864	341.148	279.257	202.346	134.906	121.733	111.236	103.702	98.321
62.5	365.207	339.303	277.094	199.705	132.000	119.015	108.652	101.199	95.818
63.0	363.549	337.539	274.932	197.063	129.201	116.216	106.069	98.750	93.423
63.5	361.891	335.587	272.743	194.422	126.348	113.444	103.539	96.327	90.947
64.0	360.260	333.689	270.446	191.780	123.495	110.806	100.982	93.824	88.633
64.5	358.333	331.818	268.284	189.139	120.670	108.061	98.371	91.375	86.398
65.0	356.487	329.948	265.907	186.390	117.817	105.370	95.761	88.953	83.896
65.5	354.616	327.969	263.717	183.668	114.937	102.625	93.258	86.504	81.527
66.0	352.797	325.936	261.501	181.027	112.138	99.880	90.647	84.109	79.213
66.5	351.084	323.985	259.151	178.359	109.340	97.135	88.145	81.633	76.898
67.0	349.157	322.033	256.961	175.690	106.540	94.444	85.695	79.264	74.664
67.5	347.285	320.081	254.610	172.941	103.741	91.806	83.192	76.869	72.323
68.0	345.438	318.050	252.314	170.220	100.808	89.196	80.663	74.501	69.928
68.5	343.485	316.017	250.045	167.525	97.982	86.451	78.133	72.132	67.559
69.0	341.774	314.012	247.667	164.884	95.210	83.840	75.630	69.764	65.379
69.5	339.847	312.060	245.451	162.270	92.438	81.149	73.262	67.450	63.119
70.0	338.028	310.027	243.074	159.655	89.639	78.538	70.813	65.135	60.858
70.5	336.154	307.968	240.777	157.014	86.867	75.874	68.391	62.767	58.517
71.0	334.335	305.935	238.454	154.293	84.068	73.291	65.969	60.533	56.256
71.5	332.487	303.903	236.024	151.680	81.430	70.707	63.601	58.299	54.022
72.0	330.483	301.737	233.754	149.146	78.685	68.123	61.232	56.065	51.976
72.5	328.582	299.758	231.430	146.559	75.752	65.567	58.891	53.912	49.689
73.0	326.603	297.672	229.161	144.052	73.114	63.064	56.603	51.652	47.536
73.5	324.676	295.533	226.865	141.465	70.396	60.642	54.289	49.445	45.329
74.0	322.775	293.474	224.489	138.878	67.731	58.193	52.001	47.345	43.230
74.5	320.716	291.309	222.192	136.319	65.148	55.770	49.767	45.219	41.266
75.0	318.762	289.250	219.790	133.838	62.537	53.348	47.560	43.120	39.139
75.5	316.756	287.110	217.495	131.252	59.980	50.980	45.353	40.967	37.120
76.0	314.723	285.052	215.306	128.720	57.423	48.665	43.120	38.949	35.156
76.5	312.687	282.886	212.957	126.320	54.866	46.378	40.913	36.850	33.219
77.0	310.627	280.855	210.662	123.761	52.390	44.090	38.867	34.885	31.415
77.5	308.567	278.716	208.367	121.388	49.860	41.830	36.741	32.893	29.531
78.0	306.561	276.658	206.152	118.963	47.492	39.569	34.669	30.983	27.701
78.5	304.393	274.521	203.963	116.671	45.096	37.362	32.624	29.098	25.871
79.0	302.361	272.329	201.722	114.247	42.781	35.236	30.605	27.214	24.014
79.5	300.300	270.272	199.534	111.902	40.440	33.137	28.640	25.330	22.318
80.0	298.188	268.187	197.320	109.585	38.125	31.091	26.729	23.554	20.596
80.5	296.075	266.078	195.106	107.401	35.891	29.045	24.845	21.778	18.927
81.0	294.096	264.047	193.052	105.218	33.737	27.054	23.015	20.055	17.205
81.5	292.063	261.855	190.920	103.035	31.638	25.142	21.212	18.360	15.536
82.0	290.004	259.825	188.867	100.853	29.566	23.259	19.409	16.691	13.976
82.5	288.158	257.984	186.841	98.750	27.494	21.455	17.740	15.157	12.495

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CANDELA TABULATION - (Cont.)

83.0	286.154	256.007	184.763	96.782	25.502	19.625	16.071	13.596	10.961
83.5	284.257	254.003	182.737	94.840	23.591	17.849	14.483	12.062	9.481
84.0	282.412	252.107	180.820	92.900	21.734	16.153	12.922	10.582	8.027
84.5	280.514	250.159	178.876	90.960	19.904	14.511	11.335	9.101	6.682
85.0	278.723	248.183	176.959	89.127	18.128	12.923	9.827	7.729	5.470
85.5	276.959	246.368	174.961	87.294	16.379	11.336	8.374	6.410	4.394
86.0	275.196	244.631	173.044	85.542	14.683	9.802	6.974	5.226	3.613
86.5	273.564	243.053	171.315	83.790	13.041	8.321	5.628	4.310	3.074
87.0	272.064	241.951	169.609	82.171	11.480	6.868	4.444	3.584	2.725
87.5	270.986	241.113	168.328	80.500	9.920	5.468	3.609	3.126	2.509
88.0	270.464	240.725	167.415	78.855	8.332	4.095	3.017	2.803	2.400
88.5	270.071	240.440	166.844	77.420	6.744	2.965	2.694	2.560	2.266
89.0	269.837	240.369	166.698	76.435	5.128	2.426	2.505	2.479	2.239
89.5	269.790	240.324	166.578	76.108	3.755	2.237	2.425	2.398	2.212
90.0	269.821	240.306	166.592	76.127	3.212	2.184	2.397	2.398	2.238
90.5	269.614	240.369	166.608	76.280	3.815	2.183	2.397	2.397	2.211
91.0	269.726	240.565	166.809	76.997	5.132	2.209	2.370	2.424	2.211
91.5	269.786	240.923	167.252	78.252	6.714	2.631	2.396	2.397	2.184
92.0	270.114	241.496	168.260	79.750	8.243	3.394	2.475	2.370	2.236
92.5	270.468	242.469	169.643	81.248	9.718	4.633	2.686	2.449	2.289
93.0	271.199	243.687	171.294	82.986	11.194	6.083	3.213	2.554	2.474
93.5	272.145	245.226	173.053	84.536	12.723	7.533	4.109	2.844	2.895
94.0	273.547	246.979	174.863	86.299	14.331	9.009	5.321	3.424	3.712
94.5	275.245	248.760	176.567	88.035	15.965	10.432	6.718	4.347	4.846
95.0	277.023	250.673	178.564	89.771	17.652	11.987	8.141	5.453	6.111
95.5	278.801	252.612	180.480	91.586	19.392	13.569	9.617	6.798	7.561
96.0	280.659	254.417	182.369	93.454	21.184	15.150	11.199	8.248	8.984
96.5	282.463	256.276	184.312	95.401	23.029	16.811	12.755	9.697	10.513
97.0	284.294	258.162	186.255	97.375	24.926	18.471	14.363	11.226	12.068
97.5	286.178	260.100	188.224	99.348	26.904	20.237	15.997	12.834	13.597
98.0	288.007	262.038	190.194	101.453	28.854	22.030	17.631	14.389	15.152
98.5	289.943	264.028	192.270	103.585	30.937	23.875	19.344	16.023	16.839
99.0	291.853	266.045	194.345	105.689	33.098	25.852	21.110	17.684	18.526
99.5	293.762	268.009	196.446	107.900	35.259	27.802	22.929	19.424	20.293
100.0	295.671	270.026	198.600	110.136	37.473	29.858	24.747	21.164	21.979
100.5	297.580	272.069	200.727	112.372	39.740	31.914	26.645	22.903	23.772
101.0	299.596	274.059	202.907	114.688	42.060	33.970	28.623	24.696	25.538
101.5	301.452	276.047	205.060	116.978	44.406	36.185	30.573	26.515	27.409
102.0	303.466	278.118	207.318	119.320	46.804	38.240	32.603	28.386	29.334
102.5	305.401	280.107	209.497	121.635	49.203	40.560	34.633	30.310	31.232
103.0	307.390	282.149	211.703	123.977	51.708	43.301	36.715	32.234	33.182
103.5	309.377	284.166	213.934	126.371	54.238	45.568	38.824	34.211	35.106
104.0	311.367	286.181	216.193	128.819	56.716	47.492	40.932	36.215	37.162
104.5	313.301	288.303	218.423	131.213	59.246	49.917	43.146	38.271	39.218
105.0	315.342	290.293	220.629	133.607	61.882	52.237	45.335	40.354	41.301
105.5	317.092	292.335	222.912	136.055	64.492	54.688	47.548	42.436	43.383
106.0	319.105	294.377	225.117	138.528	67.128	57.430	49.816	44.545	45.519
106.5	320.988	296.339	227.322	141.028	69.843	60.276	52.109	46.680	47.627
107.0	322.949	298.355	229.553	143.449	72.505	62.359	54.376	48.867	49.921
107.5	324.910	300.397	231.758	145.949	75.220	64.599	56.748	51.029	52.056
108.0	326.792	302.386	234.043	148.501	77.936	67.130	59.068	53.349	54.296
108.5	328.647	304.375	236.300	151.054	80.703	69.713	61.414	55.563	56.511
109.0	330.635	306.284	238.532	153.580	83.445	72.270	63.839	57.883	58.778
109.5	332.463	308.407	240.762	156.080	86.186	74.853	66.238	60.123	61.018
110.0	334.372	310.263	242.941	158.686	88.980	77.463	68.610	62.443	63.365
110.5	336.227	312.253	245.040	161.238	91.774	80.073	71.062	64.762	65.658

IES INDOOR REPORT

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CANDELA TABULATION - (Cont.)

111.0	338.109	314.110	247.244	163.791	94.595	82.709	73.513	67.109	68.004
111.5	339.939	316.046	249.476	166.396	97.415	85.345	75.938	69.481	70.245
112.0	341.688	317.984	251.654	168.975	100.235	88.007	78.442	71.854	72.511
112.5	343.570	319.894	253.885	171.607	103.135	90.722	80.973	74.199	74.831
113.0	345.266	321.804	256.091	174.185	105.930	93.437	83.450	76.545	77.203
113.5	347.122	323.688	258.268	176.870	108.750	96.179	86.007	78.970	79.628
114.0	348.897	325.492	260.446	179.449	111.649	98.868	88.617	81.369	82.001
114.5	350.646	327.349	262.624	182.054	114.443	101.635	91.727	83.847	84.373
115.0	352.290	329.233	264.802	184.686	117.291	104.377	95.048	86.299	86.798
115.5	353.962	331.090	266.954	187.291	120.164	107.171	97.421	88.697	89.144
116.0	355.763	332.815	269.159	189.896	123.037	109.912	99.055	91.149	91.701
116.5	357.382	334.673	271.230	192.502	125.857	112.654	101.322	93.600	94.100
117.0	359.184	336.531	273.462	195.133	128.731	115.501	104.328	96.104	96.605
117.5	360.776	338.229	275.560	197.712	131.657	118.216	107.702	98.503	98.976
118.0	362.367	340.059	277.685	200.344	134.451	121.063	110.390	101.034	101.455
118.5	363.878	341.758	279.916	202.922	137.350	123.857	112.236	103.432	103.906
119.0	365.497	343.404	281.989	205.554	140.224	126.599	114.292	106.016	106.437
119.5	367.116	345.313	284.114	208.133	143.097	129.314	116.822	108.494	108.809
120.0	368.654	347.040	286.213	210.685	146.024	132.081	119.406	111.024	111.445
120.5	370.219	348.712	288.311	213.185	148.870	134.902	122.015	113.529	113.870
121.0	371.784	350.358	290.437	215.790	151.638	137.644	124.598	116.085	116.348
121.5	373.376	352.084	292.483	218.316	154.538	140.359	127.181	119.117	118.826
122.0	374.677	353.757	294.582	220.921	157.411	143.101	129.871	122.570	121.357
122.5	376.296	355.112	296.601	223.447	160.231	145.816	132.454	125.522	123.913
123.0	377.887	356.838	298.674	225.973	163.078	148.610	135.090	127.473	126.444
123.5	379.479	358.457	300.774	228.472	165.952	151.325	137.726	129.819	129.053
124.0	380.808	359.893	302.872	230.972	168.746	154.093	140.389	132.877	132.560
124.5	382.399	361.539	304.890	233.525	171.619	156.887	143.025	135.460	137.120
125.0	383.781	363.238	306.990	236.050	174.413	159.550	145.713	137.200	140.046
125.5	385.083	364.647	309.062	238.577	177.286	162.317	148.350	139.046	141.417
126.0	386.648	366.320	311.003	240.997	180.080	165.059	151.012	141.497	141.891
126.5	387.949	367.783	313.074	243.470	182.874	167.748	153.622	144.028	144.106
127.0	389.331	369.455	315.279	245.943	185.722	170.542	156.258	146.585	146.636
127.5	390.686	370.864	317.167	248.337	188.542	173.257	158.920	149.115	149.193
128.0	391.988	372.300	319.001	250.837	191.310	176.051	161.609	151.672	151.803
128.5	393.343	373.973	321.180	253.310	194.184	178.845	164.166	154.256	154.360
129.0	394.698	375.408	323.067	255.730	197.030	181.560	166.934	156.891	156.969
129.5	394.681	376.817	324.955	258.177	199.851	184.302	169.649	159.449	159.579
130.0	396.063	378.226	327.134	260.624	202.645	187.043	172.338	162.005	162.189
130.5	396.891	379.635	328.995	263.098	205.439	189.838	175.027	164.562	164.825
131.0	398.193	380.754	330.883	265.491	208.286	192.579	177.636	167.146	167.408
131.5	398.520	381.980	332.770	267.912	211.159	195.294	180.299	169.782	170.018
132.0	400.586	383.125	334.658	270.306	213.980	198.009	183.040	172.391	172.707
132.5	401.968	384.244	336.546	272.700	216.853	200.777	185.702	175.001	175.315
133.0	402.559	385.206	338.434	275.042	219.700	203.492	188.470	177.558	177.926
133.5	403.860	386.088	340.322	277.462	222.468	206.260	191.132	180.511	180.536
134.0	405.743	387.788	342.183	279.909	225.262	209.028	193.874	183.094	183.225
134.5	406.307	388.933	343.807	282.303	228.083	211.717	196.589	185.730	185.808
135.0	407.635	390.633	345.695	284.751	230.903	214.537	199.251	188.392	188.576
135.5	409.281	391.487	347.583	286.881	233.724	217.305	201.993	191.082	191.133
136.0	409.818	392.660	349.390	289.328	236.518	220.073	204.655	193.638	193.822
136.5	411.674	393.832	351.068	291.695	239.286	222.735	207.344	196.301	196.377
137.0	411.711	395.214	352.665	294.116	242.107	225.529	210.059	198.911	199.173
137.5	413.249	396.650	354.580	296.299	244.849	228.324	212.668	201.519	201.809
138.0	413.813	397.532	355.597	298.639	247.615	231.011	215.329	204.128	204.282
138.5	415.432	399.231	356.984	300.796	250.278	233.726	218.045	206.897	207.105

IES INDOOR REPORT

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CANDELA TABULATION - (Cont.)

139.0	416.341	399.876	358.872	303.190	253.019	236.362	220.707	209.506	209.794
139.5	417.088	400.995	360.206	305.293	255.788	239.131	223.370	212.169	212.457
140.0	417.916	402.194	361.857	307.423	258.503	241.766	225.953	214.779	215.093
140.5	419.298	403.393	362.691	309.790	261.245	244.508	228.695	217.521	217.941
141.0	420.099	404.539	364.051	311.893	264.039	247.171	231.410	220.315	220.735
141.5	421.191	404.947	365.939	314.260	266.807	249.860	234.072	223.056	223.450
142.0	421.809	406.410	367.273	316.390	269.443	252.548	236.734	225.797	226.191
142.5	422.637	407.555	368.924	318.493	272.079	255.184	239.370	228.407	228.932
143.0	423.938	408.410	370.258	320.650	274.714	257.873	242.006	231.043	231.647
143.5	425.057	409.055	371.619	322.807	277.614	260.614	244.747	233.837	234.389
144.0	424.567	409.991	373.243	324.964	280.277	263.303	247.383	236.578	237.130
144.5	426.003	411.190	374.604	327.094	282.940	265.833	250.072	239.293	239.871
145.0	427.331	412.099	375.701	329.015	285.575	268.469	252.708	241.928	242.719
145.5	427.395	413.008	377.589	331.172	288.211	271.132	255.343	244.643	245.355
146.0	428.196	413.599	378.659	333.092	290.611	273.768	257.926	247.279	248.070
146.5	429.659	414.798	380.046	334.458	293.246	276.404	260.536	249.967	250.784
147.0	430.250	415.389	381.380	336.352	295.882	279.040	263.251	252.629	253.525
147.5	431.369	416.616	382.504	337.745	298.282	281.729	265.860	255.318	256.161
148.0	431.379	416.733	383.865	339.375	300.917	284.338	268.496	258.006	258.929
148.5	431.470	417.379	384.698	341.532	303.317	286.711	271.159	260.695	261.618
149.0	432.271	418.578	386.059	343.425	305.979	289.110	273.768	263.330	264.359
149.5	432.679	418.169	386.893	344.818	308.352	291.773	276.404	265.887	266.995
150.0	432.926	419.314	388.253	347.002	310.724	294.408	279.040	268.523	269.895
150.5	433.781	419.959	389.904	348.659	313.096	296.808	281.675	271.422	272.531
151.0	433.818	420.604	390.238	350.579	315.496	299.180	284.075	274.031	275.403
151.5	434.700	420.749	391.862	352.209	317.895	301.816	286.711	276.694	278.066
152.0	434.764	421.158	392.459	354.129	320.294	304.215	289.346	279.303	280.939
152.5	434.538	421.803	393.583	355.522	322.666	306.587	292.009	281.939	283.601
153.0	434.602	421.921	394.707	357.443	324.802	308.987	294.355	284.311	286.237
153.5	435.457	422.593	395.540	359.099	326.147	311.359	297.017	287.211	288.873
154.0	434.994	423.001	396.137	361.020	328.783	314.022	299.390	289.820	291.799
154.5	435.585	423.146	396.680	362.413	330.628	316.130	302.026	292.456	294.462
155.0	436.150	423.527	397.750	363.806	332.236	318.557	304.425	294.828	297.071
155.5	435.977	423.436	398.503	365.490	334.108	320.902	307.061	297.464	299.734
156.0	435.224	423.844	398.992	366.856	336.481	323.328	309.460	300.100	302.343
156.5	435.815	424.279	399.535	368.540	338.353	324.646	311.832	302.709	304.715
157.0	436.089	424.134	400.342	369.960	340.488	327.045	314.205	305.081	307.378
157.5	434.878	424.306	400.885	371.062	342.333	329.154	316.867	307.717	310.014
158.0	434.958	423.687	401.509	372.455	344.205	331.263	319.240	310.353	312.650
158.5	434.252	423.858	401.869	373.612	346.314	332.871	321.348	312.725	315.022
159.0	433.526	424.030	402.493	375.005	348.186	334.980	322.930	315.097	317.658
159.5	434.225	424.175	402.853	376.425	349.768	337.352	326.120	317.733	320.030
160.0	433.363	424.029	403.240	377.555	351.903	339.224	327.438	320.106	322.666
160.5	432.744	423.857	403.891	378.447	353.512	341.360	329.837	322.478	325.066
161.0	432.964	423.894	404.278	379.604	354.830	343.205	331.682	324.323	327.675
161.5	432.453	422.931	404.901	380.733	356.938	345.314	333.291	326.695	329.783
162.0	432.103	422.521	404.261	381.890	358.256	347.186	335.663	329.068	330.784
162.5	431.113	421.876	405.175	382.256	360.392	349.321	337.508	330.913	333.102
163.0	430.833	422.311	405.062	383.676	361.737	351.430	340.171	332.758	335.130
163.5	430.343	421.455	405.212	384.278	363.582	353.038	342.016	335.130	337.476
164.0	430.488	421.444	405.600	385.171	364.900	354.620	343.861	337.239	339.557
164.5	429.632	420.615	405.486	385.773	366.508	356.465	346.260	339.638	342.403
165.0	428.803	420.577	405.637	386.666	368.090	358.574	348.369	341.483	344.512
165.5	427.447	419.221	405.550	387.532	369.698	359.919	349.951	343.328	346.357
166.0	427.436	418.710	405.410	388.425	371.016	361.500	351.823	345.701	348.939
166.5	426.844	418.172	405.588	389.318	372.071	363.372	353.904	347.809	351.311

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-835U-L13-835D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	426.198	417.634	405.238	389.183	373.416	364.690	356.040	349.681	353.420
167.5	425.052	416.622	405.151	389.840	374.497	366.272	357.358	352.081	355.265
168.0	423.223	415.847	405.065	390.496	375.815	367.880	359.494	354.189	357.401
168.5	422.948	415.228	404.979	391.179	377.133	369.462	361.629	356.325	359.483
169.0	421.355	414.319	404.365	390.781	378.478	371.043	362.920	357.907	361.301
169.5	420.554	413.334	404.279	391.674	379.241	372.098	365.029	360.279	362.855
170.0	419.752	412.322	403.929	391.830	380.032	373.706	366.637	361.860	364.964
170.5	418.977	411.865	403.079	392.249	380.850	375.024	367.982	363.732	366.836
171.0	417.357	410.907	403.283	392.432	381.377	376.342	369.327	365.578	368.445
171.5	416.082	409.949	402.143	392.615	382.722	377.160	370.936	367.476	370.553
172.0	415.388	408.755	402.110	393.034	383.803	378.478	372.517	368.531	372.081
172.5	414.140	407.587	401.260	392.954	384.567	379.796	374.099	370.640	374.163
173.0	412.391	406.629	400.464	392.900	385.121	381.113	375.680	372.221	375.190
173.5	411.460	405.435	400.222	393.373	385.621	381.641	376.998	373.539	377.062
174.0	410.476	404.504	399.162	393.319	385.885	382.959	378.053	375.147	378.880
174.5	408.937	402.809	398.419	393.265	386.703	384.277	379.344	376.729	379.671
175.0	407.398	401.642	397.677	392.711	387.493	385.067	380.398	378.020	381.226
175.5	405.886	400.528	396.961	393.239	387.994	385.568	381.743	379.365	382.280
176.0	405.482	399.441	396.273	393.212	388.548	386.649	383.034	380.710	384.416
176.5	403.287	397.881	395.611	392.975	388.784	387.176	384.642	382.055	385.234
177.0	402.147	396.902	394.476	392.975	388.838	387.967	384.906	383.346	386.551
177.5	400.452	395.422	394.158	392.448	389.339	388.230	386.224	384.400	387.315
178.0	398.865	394.524	393.604	392.448	389.602	389.021	386.988	386.008	389.451
178.5	397.176	392.889	392.813	392.184	389.602	389.812	387.778	387.036	390.742
179.0	396.041	392.335	391.759	392.184	389.866	390.075	389.123	388.090	391.269
179.5	394.959	391.307	391.232	391.657	389.866	390.603	389.650	388.908	393.405
180.0	390.861	390.861	390.861	390.861	390.861	390.861	390.861	390.861	390.861

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-835U-L13-835D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	145.12	N.A.	5.50
0-30	308.26	N.A.	11.70
0-40	505.67	N.A.	19.20
0-60	915.88	N.A.	34.70
0-80	1226.63	N.A.	46.50
0-90	1324.24	N.A.	50.20
10-90	1286.76	N.A.	48.80
20-40	360.55	N.A.	13.70
20-50	569.86	N.A.	21.60
40-70	584.87	N.A.	22.20
60-80	310.75	N.A.	11.80
70-80	136.10	N.A.	5.20
80-90	97.61	N.A.	3.70
90-110	232.83	N.A.	8.80
90-120	406.26	N.A.	15.40
90-130	605.74	N.A.	23.00
90-150	1009.07	N.A.	38.20
90-180	1313.91	N.A.	49.80
110-180	1081.08	N.A.	41.00
0-180	2638.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	37.49
10-20	107.63
20-30	163.15
30-40	197.40
40-50	209.31
50-60	200.90
60-70	174.66
70-80	136.10
80-90	97.61
90-100	97.47
100-110	135.36
110-120	173.43
120-130	199.48
130-140	207.71
140-150	195.62
150-160	161.41
160-170	106.36
170-180	37.07

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-835U-L13-835D-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	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-L13-835U-L13-835D-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

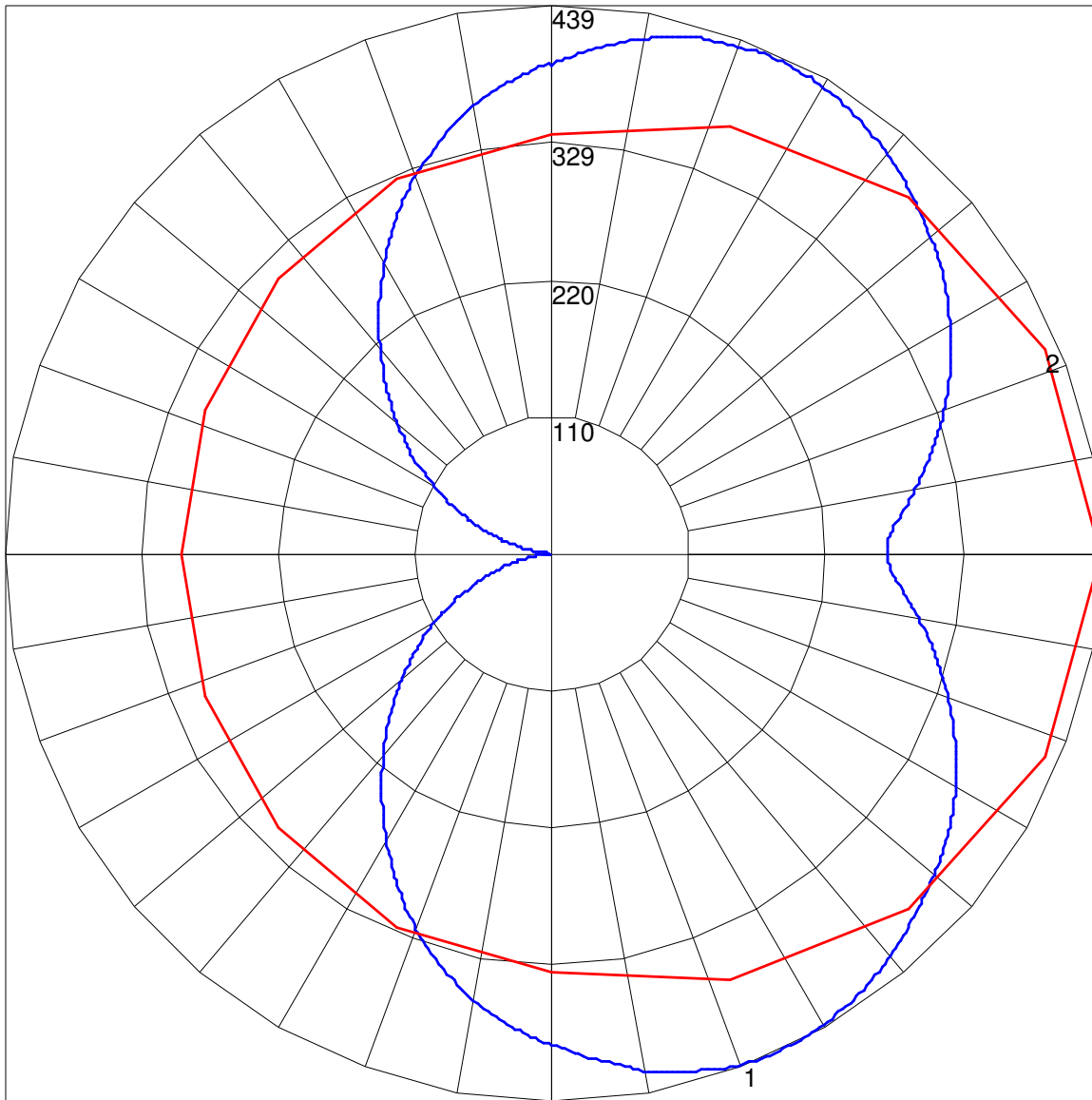
X=2H	Y=2H	19.5	20.4	20.4	21.3	22.6	13.6	14.5	14.5	15.4	16.7
	3H	22.5	23.3	23.5	24.3	25.6	14.9	15.8	15.9	16.7	18.0
	4H	24.1	24.8	25.0	25.8	27.1	15.4	16.1	16.3	17.1	18.4
	6H	25.7	26.4	26.7	27.4	28.7	15.6	16.3	16.6	17.3	18.6
	8H	26.5	27.2	27.5	28.2	29.6	15.6	16.3	16.6	17.3	18.7
	12H	27.5	28.1	28.5	29.1	30.5	15.7	16.3	16.7	17.3	18.7

UGR Viewed Endwise

4H	2H	19.8	20.5	20.7	21.5	22.8	14.8	15.6	15.8	16.6	17.9
	3H	23.0	23.7	24.0	24.7	26.0	16.4	17.1	17.4	18.1	19.4
	4H	24.7	25.4	25.7	26.4	27.7	17.0	17.6	18.0	18.6	20.0
	6H	26.6	27.1	27.6	28.2	29.5	17.4	17.9	18.4	19.0	20.3
	8H	27.6	28.1	28.6	29.1	30.4	17.5	18.0	18.5	19.0	20.4
	12H	28.6	29.1	29.6	30.1	31.4	17.5	18.0	18.6	19.0	20.4
8H	4H	24.9	25.4	25.9	26.4	27.8	18.1	18.6	19.1	19.6	21.0
	6H	26.9	27.3	27.9	28.4	29.7	18.7	19.1	19.8	20.2	21.6
	8H	28.0	28.4	29.1	29.4	30.8	19.0	19.3	20.0	20.4	21.7
	12H	29.2	29.6	30.3	30.6	32.0	19.1	19.4	20.1	20.5	21.9
12H	4H	24.9	25.3	25.9	26.3	27.7	18.4	18.9	19.5	19.9	21.3
	6H	26.9	27.3	28.0	28.3	29.7	19.2	19.6	20.3	20.7	22.0
	8H	28.1	28.4	29.1	29.5	30.9	19.6	19.9	20.6	20.9	22.3

Maximum UGR = 32.0

POLAR GRAPH



Maximum Candela = 439.252 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.)