

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-827U-L13-827D-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-L13-827U-L13-827D-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	2559
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
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	10570	9850	9289
55	10508	9388	8411
65	10526	9019	7362
75	10709	8759	5830
85	11257	8875	3538

IES INDOOR REPORT

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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	382.976	382.976	382.976	382.976	382.976	382.976	382.976	382.976	382.976
0.5	383.514	384.153	383.441	384.900	382.289	384.276	381.696	381.676	381.712
1.0	384.558	385.064	384.849	385.212	382.054	383.702	380.601	380.580	380.642
1.5	385.940	386.287	385.263	386.046	382.054	382.632	380.027	379.250	378.815
2.0	387.112	387.797	386.200	386.123	381.767	381.824	378.983	378.180	377.745
2.5	388.806	388.836	387.449	386.461	381.506	381.302	377.939	377.397	376.726
3.0	389.927	390.397	388.436	386.538	381.245	380.780	377.156	375.830	375.396
3.5	391.411	391.774	389.163	387.423	381.245	379.710	375.851	374.760	374.613
4.0	393.367	393.150	390.412	387.500	380.697	378.666	375.328	373.455	372.785
4.5	394.252	394.291	391.399	387.341	380.437	378.404	374.023	372.150	371.193
5.0	394.743	395.719	392.254	388.201	379.914	377.099	372.457	370.819	369.652
5.5	396.565	396.886	392.535	388.303	379.131	375.794	371.674	369.514	368.869
6.0	397.788	397.817	393.287	388.144	378.584	375.507	370.629	368.444	367.277
6.5	398.776	399.582	394.065	388.011	378.087	374.489	369.273	366.591	365.737
7.0	399.764	400.698	394.582	388.062	377.800	373.654	367.968	364.999	363.884
7.5	400.772	401.629	395.124	387.955	376.469	372.349	366.401	363.694	362.056
8.0	402.711	402.299	395.794	387.274	375.686	371.044	365.096	362.102	360.229
8.5	404.429	403.282	396.465	387.663	375.425	370.261	363.765	360.536	358.427
9.0	406.778	404.315	397.058	387.243	374.120	368.930	362.173	358.422	356.600
9.5	407.939	405.215	397.416	387.371	373.311	367.363	360.607	356.830	356.078
10.0	409.233	406.612	397.748	387.002	372.528	366.294	359.302	355.264	353.206
10.5	410.502	407.436	398.342	386.608	371.223	365.014	357.710	353.411	351.926
11.0	411.275	408.024	398.700	385.978	370.675	363.683	355.857	352.105	350.099
11.5	411.971	408.950	398.797	385.348	369.109	362.117	354.316	349.991	347.749
12.0	412.405	409.614	399.155	385.240	368.065	361.308	352.724	348.164	345.687
12.5	413.910	410.801	399.277	384.611	367.256	359.194	350.897	346.337	343.859
13.0	414.759	411.440	399.451	383.981	366.212	357.889	349.044	344.223	341.300
13.5	415.423	412.290	399.624	383.612	364.384	356.322	347.452	342.108	339.784
14.0	416.687	412.827	399.823	383.008	363.575	354.209	345.103	340.020	337.512
14.5	417.562	413.389	399.449	382.092	362.270	352.903	343.250	337.932	335.188
15.0	417.577	413.665	399.572	381.488	360.417	351.311	341.422	335.843	332.864
15.5	418.119	413.966	399.536	380.310	358.851	349.719	339.308	333.494	331.559
16.0	418.349	414.529	399.238	379.343	357.520	347.892	337.716	331.405	328.400
16.5	419.474	415.091	399.724	378.999	356.215	346.065	335.628	329.578	326.834
17.0	420.707	414.871	399.688	377.822	354.910	343.951	333.775	327.203	325.293
17.5	420.901	415.720	399.365	376.358	353.057	342.620	331.400	325.611	322.657
18.0	421.642	415.499	399.042	375.754	351.229	339.984	329.050	323.261	320.830
18.5	422.644	415.826	398.642	374.627	349.376	338.417	327.981	321.956	318.455
19.0	422.393	416.153	398.555	373.813	347.810	336.303	325.892	319.607	316.105
19.5	423.574	416.193	397.894	372.764	345.957	334.712	323.517	317.257	313.469
20.0	424.157	416.024	397.807	371.376	344.391	332.623	322.473	314.908	311.120
20.5	424.325	416.351	396.910	370.250	342.799	330.509	320.098	312.533	308.483
21.0	424.468	416.156	396.562	368.704	340.449	328.421	317.748	310.183	306.134
21.5	424.897	416.273	395.927	367.915	338.857	327.351	315.660	307.572	303.524
22.0	425.454	416.180	395.317	366.891	336.769	324.740	313.285	305.223	300.887
22.5	425.776	416.087	394.682	365.555	334.655	322.862	310.910	302.873	298.538
23.0	425.550	416.230	394.072	364.193	332.802	320.251	308.560	300.263	295.902
23.5	425.611	415.953	393.698	362.310	330.452	319.207	306.185	297.652	293.291
24.0	425.907	415.911	392.828	361.311	328.886	317.093	303.810	295.277	290.420
24.5	426.075	415.818	392.218	359.791	326.511	314.743	301.461	292.692	288.070
25.0	425.721	415.751	391.087	358.690	325.728	312.343	299.086	290.056	285.434
25.5	425.106	415.162	390.477	357.354	323.875	309.993	296.736	287.446	282.562
26.0	425.274	415.018	389.606	355.234	322.048	307.618	294.100	285.096	280.187
26.5	424.946	414.352	388.761	353.611	319.673	305.269	291.725	282.486	277.290

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMH-2-00-L13-827U-L13-827D-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	424.357	413.947	388.203	352.275	317.298	302.868	289.114	279.875	274.680
27.5	424.341	413.803	386.626	350.939	315.183	300.519	286.739	277.239	272.043
28.0	424.509	413.137	385.596	348.533	312.834	297.882	284.364	274.628	269.172
28.5	423.817	412.471	384.803	347.432	310.745	295.533	281.754	272.018	266.536
29.0	423.253	412.327	384.009	345.313	308.135	293.158	279.143	269.146	263.925
29.5	423.135	411.138	383.005	343.142	305.760	290.547	276.507	266.536	261.184
30.0	422.934	410.421	381.950	341.781	303.385	287.886	274.158	263.900	258.470
30.5	422.268	409.832	380.895	339.922	301.035	285.536	271.521	261.263	255.859
31.0	422.175	409.427	379.865	338.013	298.686	282.900	268.911	258.626	253.145
31.5	421.612	408.971	378.288	337.173	296.311	280.290	266.300	256.042	250.456
32.0	420.736	408.305	377.520	335.002	293.700	277.914	263.664	253.352	247.871
32.5	420.904	407.377	376.178	333.902	291.325	275.278	261.027	250.742	245.131
33.0	419.480	406.998	375.072	332.043	288.976	272.668	258.391	248.001	242.390
33.5	419.725	405.784	373.705	329.899	286.340	270.032	255.780	245.365	239.754
34.0	419.371	404.883	372.077	328.015	283.729	267.421	253.144	242.780	237.013
34.5	418.546	403.956	370.449	325.844	281.093	265.046	250.507	240.091	234.350
35.0	417.568	403.029	369.368	323.699	278.482	262.357	247.923	237.455	231.766
35.5	416.953	402.388	368.236	321.815	276.133	259.721	245.339	234.792	229.051
36.0	415.970	400.939	366.659	319.670	273.522	257.084	242.702	232.181	226.337
36.5	415.406	400.012	365.553	317.525	270.651	254.448	239.961	229.623	223.648
37.0	414.504	399.371	363.639	315.355	268.015	251.890	237.403	226.935	220.933
37.5	413.705	397.947	361.985	313.210	265.404	249.176	234.792	224.220	218.375
38.0	413.377	396.759	360.930	311.065	262.793	246.539	232.130	221.661	215.608
38.5	411.743	395.858	358.779	308.920	260.131	243.850	229.519	218.999	212.867
39.0	410.944	395.217	357.387	306.514	257.416	241.266	226.857	216.389	210.204
39.5	409.807	393.768	357.586	304.344	254.780	238.630	224.298	213.726	207.568
40.0	409.504	392.866	355.983	302.199	252.065	235.915	221.714	211.116	205.009
40.5	407.922	391.914	354.381	299.793	249.350	233.278	219.025	208.505	202.373
41.0	406.733	390.541	352.727	297.622	246.714	230.642	216.415	205.869	199.685
41.5	405.412	389.353	351.124	295.267	243.946	227.901	213.752	203.310	197.100
42.0	405.084	388.400	349.209	293.148	241.258	225.395	211.142	200.648	194.516
42.5	403.998	387.238	347.581	291.028	238.543	222.732	208.505	197.985	191.957
43.0	402.651	385.266	345.902	288.960	235.828	220.043	205.895	195.479	189.243
43.5	402.010	384.339	344.299	286.605	232.983	217.355	203.206	192.791	186.710
44.0	400.638	383.151	342.435	284.250	230.320	214.719	200.517	190.154	184.231
44.5	399.552	381.988	340.495	281.870	227.553	212.108	197.881	187.570	181.647
45.0	398.753	381.061	338.892	279.725	224.838	209.341	195.270	184.908	179.114
45.5	397.042	379.377	337.003	277.371	222.123	206.678	192.555	182.349	176.452
46.0	396.924	378.214	335.114	275.043	219.356	203.989	189.945	179.765	173.894
46.5	395.341	377.548	333.486	272.689	216.614	201.327	187.256	177.129	171.440
47.0	394.752	377.143	331.596	270.283	213.770	198.664	184.619	174.596	168.960
47.5	393.876	376.057	329.682	268.007	210.950	195.949	181.983	171.986	166.324
48.0	392.816	374.531	327.869	265.730	208.157	193.156	179.398	169.506	163.765
48.5	391.106	373.159	325.903	263.427	205.416	190.441	176.710	166.922	161.233
49.0	390.045	371.709	324.039	261.046	202.675	187.753	174.073	164.416	158.649
49.5	389.010	370.260	322.124	258.666	199.908	185.116	171.489	161.884	156.195
50.0	389.153	369.123	320.210	256.338	197.115	182.428	168.905	159.352	153.610
50.5	387.284	367.674	318.346	253.932	194.348	179.660	166.242	156.950	151.105
51.0	386.930	366.276	316.482	251.605	191.607	176.998	163.658	154.392	148.573
51.5	385.634	364.852	314.306	249.198	188.865	174.257	161.021	151.860	146.119
52.0	384.339	363.142	312.366	246.688	186.072	171.620	158.489	149.380	143.718
52.5	383.227	361.718	310.502	244.334	183.331	168.958	155.905	146.900	141.211
53.0	381.854	360.243	308.352	241.876	180.564	166.243	153.294	144.420	138.679
53.5	380.482	358.845	306.411	239.445	177.875	163.502	150.684	141.966	136.147
54.0	379.212	357.370	304.392	236.960	175.082	160.865	148.099	139.434	133.902
54.5	377.839	355.762	302.294	234.450	172.393	158.255	145.542	137.007	131.423

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-827U-L13-827D-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	376.518	354.288	300.300	232.018	169.652	155.540	142.957	134.501	128.916
55.5	375.171	352.577	298.332	229.482	166.937	152.799	140.399	132.021	126.514
56.0	373.849	351.154	296.287	227.024	164.170	150.162	137.867	129.645	123.983
56.5	372.579	349.443	294.163	224.462	161.429	147.474	135.231	127.087	121.659
57.0	371.232	348.045	292.066	221.925	158.662	144.837	132.776	124.738	119.362
57.5	369.624	346.360	290.045	219.389	155.946	142.097	130.270	122.206	116.830
58.0	368.200	344.625	287.973	216.774	153.128	139.434	127.686	119.830	114.402
58.5	366.930	342.940	285.851	214.238	150.360	136.797	125.206	117.402	111.948
59.0	365.583	341.306	283.649	211.623	147.541	134.135	122.726	114.948	109.625
59.5	364.001	339.545	281.602	209.009	144.696	131.446	120.272	112.573	107.249
60.0	362.291	337.835	279.400	206.473	141.902	128.731	117.818	110.171	104.847
60.5	360.734	336.150	277.355	203.937	139.135	126.069	115.313	107.795	102.446
61.0	359.387	334.438	275.231	201.453	136.394	123.380	112.806	105.394	100.070
61.5	357.753	332.728	273.108	198.891	133.601	120.769	110.300	102.992	97.668
62.0	355.858	330.913	270.880	196.276	130.859	118.081	107.899	100.591	95.371
62.5	354.250	329.124	268.781	193.714	128.040	115.444	105.392	98.163	92.943
63.0	352.642	327.412	266.684	191.151	125.325	112.729	102.887	95.787	90.620
63.5	351.034	325.519	264.561	188.589	122.558	110.040	100.432	93.437	88.218
64.0	349.452	323.679	262.333	186.027	119.790	107.482	97.952	91.009	85.974
64.5	347.583	321.864	260.236	183.465	117.050	104.819	95.420	88.634	83.806
65.0	345.793	320.049	257.930	180.798	114.283	102.209	92.888	86.284	81.379
65.5	343.977	318.130	255.805	178.158	111.489	99.546	90.460	83.909	79.081
66.0	342.213	316.158	253.656	175.596	108.774	96.884	87.928	81.585	76.836
66.5	340.551	314.266	251.376	173.008	106.059	94.221	85.501	79.184	74.591
67.0	338.682	312.372	249.252	170.420	103.344	91.610	83.124	76.886	72.424
67.5	336.866	310.478	246.972	167.753	100.628	89.052	80.697	74.563	70.153
68.0	335.075	308.508	244.745	165.113	97.783	86.520	78.243	72.266	67.830
68.5	333.180	306.536	242.543	162.499	95.042	83.857	75.789	69.968	65.533
69.0	331.521	304.592	240.237	159.938	92.353	81.325	73.362	67.671	63.418
69.5	329.652	302.699	238.087	157.401	89.665	78.714	71.064	65.426	61.225
70.0	327.887	300.726	235.782	154.865	86.950	76.182	68.689	63.181	59.032
70.5	326.069	298.729	233.554	152.303	84.261	73.598	66.339	60.884	56.761
71.0	324.305	296.757	231.300	149.665	81.546	71.092	63.990	58.717	54.568
71.5	322.513	294.786	228.943	147.129	78.987	68.586	61.693	56.550	52.402
72.0	320.568	292.685	226.741	144.672	76.324	66.080	59.395	54.383	50.417
72.5	318.724	290.765	224.487	142.162	73.479	63.600	57.124	52.295	48.198
73.0	316.805	288.742	222.286	139.731	70.920	61.172	54.905	50.102	46.110
73.5	314.935	286.667	220.059	137.221	68.284	58.822	52.660	47.962	43.969
74.0	313.092	284.669	217.754	134.712	65.699	56.447	50.441	45.925	41.933
74.5	311.094	282.570	215.526	132.229	63.193	54.097	48.274	43.862	40.028
75.0	309.199	280.572	213.196	129.823	60.661	51.748	46.134	41.827	37.965
75.5	307.253	278.497	210.970	127.315	58.180	49.451	43.992	39.738	36.007
76.0	305.281	276.500	208.846	124.858	55.700	47.206	41.826	37.780	34.101
76.5	303.306	274.399	206.568	122.530	53.220	44.986	39.685	35.744	32.222
77.0	301.308	272.429	204.342	120.048	50.818	42.768	37.701	33.838	30.472
77.5	299.310	270.355	202.116	117.746	48.364	40.575	35.639	31.907	28.645
78.0	297.364	268.358	199.967	115.394	46.067	38.382	33.629	30.053	26.870
78.5	295.261	266.285	197.844	113.171	43.743	36.241	31.645	28.225	25.095
79.0	293.290	264.159	195.670	110.819	41.498	34.179	29.687	26.398	23.293
79.5	291.291	262.164	193.548	108.545	39.227	32.143	27.781	24.570	21.649
80.0	289.243	260.142	191.401	106.298	36.981	30.158	25.927	22.848	19.978
80.5	287.193	258.095	189.252	104.179	34.814	28.174	24.100	21.125	18.360
81.0	285.273	256.126	187.261	102.061	32.725	26.242	22.325	19.454	16.689
81.5	283.301	254.000	185.192	99.944	30.689	24.388	20.575	17.809	15.070
82.0	281.304	252.031	183.201	97.827	28.679	22.561	18.827	16.191	13.557
82.5	279.513	250.244	181.236	95.788	26.669	20.812	17.208	14.702	12.120

IES INDOOR REPORT

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CANDELA TABULATION - (Cont.)

83.0	277.569	248.327	179.220	93.878	24.737	19.037	15.589	13.188	10.632
83.5	275.729	246.383	177.255	91.995	22.884	17.313	14.049	11.700	9.196
84.0	273.940	244.544	175.395	90.113	21.082	15.668	12.535	10.264	7.786
84.5	272.098	242.654	173.510	88.231	19.307	14.076	10.995	8.828	6.481
85.0	270.361	240.738	171.650	86.453	17.584	12.536	9.533	7.497	5.306
85.5	268.650	238.977	169.712	84.675	15.887	10.996	8.122	6.218	4.262
86.0	266.940	237.292	167.853	82.975	14.243	9.508	6.765	5.069	3.505
86.5	265.357	235.762	166.175	81.276	12.650	8.071	5.460	4.181	2.982
87.0	263.902	234.693	164.521	79.706	11.136	6.662	4.311	3.476	2.643
87.5	262.856	233.880	163.278	78.085	9.622	5.303	3.501	3.032	2.433
88.0	262.350	233.503	162.393	76.490	8.082	3.972	2.927	2.719	2.328
88.5	261.968	233.227	161.839	75.098	6.542	2.876	2.613	2.484	2.198
89.0	261.742	233.158	161.697	74.142	4.975	2.354	2.430	2.405	2.171
89.5	261.697	233.115	161.581	73.825	3.642	2.170	2.352	2.326	2.145
90.0	261.726	233.097	161.594	73.844	3.115	2.118	2.325	2.326	2.171
90.5	261.525	233.157	161.609	73.992	3.701	2.118	2.325	2.325	2.144
91.0	261.635	233.348	161.805	74.687	4.979	2.143	2.299	2.351	2.144
91.5	261.692	233.695	162.235	75.904	6.513	2.552	2.324	2.325	2.118
92.0	262.010	234.251	163.212	77.358	7.995	3.293	2.401	2.299	2.169
92.5	262.354	235.195	164.554	78.811	9.427	4.494	2.605	2.375	2.220
93.0	263.063	236.377	166.155	80.496	10.858	5.901	3.116	2.478	2.399
93.5	263.980	237.869	167.861	82.000	12.341	7.307	3.986	2.758	2.808
94.0	265.341	239.570	169.618	83.710	13.901	8.739	5.162	3.321	3.601
94.5	266.988	241.297	171.270	85.394	15.486	10.119	6.517	4.216	4.700
95.0	268.712	243.152	173.207	87.078	17.122	11.627	7.897	5.290	5.927
95.5	270.437	245.034	175.066	88.838	18.810	13.162	9.329	6.594	7.334
96.0	272.239	246.785	176.898	90.650	20.548	14.695	10.864	8.000	8.715
96.5	273.990	248.588	178.783	92.539	22.338	16.306	12.372	9.406	10.198
97.0	275.765	250.417	180.667	94.454	24.179	17.917	13.932	10.889	11.706
97.5	277.593	252.297	182.577	96.368	26.097	19.630	15.517	12.449	13.189
98.0	279.367	254.176	184.489	98.409	27.988	21.369	17.102	13.958	14.697
98.5	281.245	256.107	186.502	100.477	30.009	23.159	18.764	15.542	16.334
99.0	283.097	258.064	188.514	102.518	32.105	25.076	20.477	17.153	17.970
99.5	284.950	259.969	190.552	104.663	34.201	26.968	22.241	18.841	19.684
100.0	286.801	261.925	192.642	106.832	36.349	28.962	24.005	20.529	21.320
100.5	288.653	263.907	194.705	109.001	38.548	30.957	25.846	22.216	23.058
101.0	290.608	265.837	196.820	111.248	40.798	32.951	27.764	23.955	24.771
101.5	292.408	267.766	198.908	113.468	43.073	35.099	29.656	25.719	26.587
102.0	294.362	269.774	201.099	115.740	45.400	37.093	31.625	27.534	28.454
102.5	296.239	271.704	203.213	117.986	47.727	39.343	33.593	29.401	30.295
103.0	298.168	273.685	205.352	120.257	50.156	42.002	35.613	31.267	32.187
103.5	300.096	275.641	207.516	122.580	52.611	44.201	37.659	33.185	34.053
104.0	302.026	277.596	209.707	124.954	55.014	46.067	39.704	35.129	36.048
104.5	303.902	279.654	211.871	127.276	57.469	48.420	41.852	37.123	38.042
105.0	305.882	281.584	214.010	129.599	60.026	50.670	43.975	39.143	40.062
105.5	307.579	283.565	216.225	131.973	62.557	53.048	46.122	41.163	42.082
106.0	309.532	285.546	218.364	134.372	65.114	55.707	48.321	43.208	44.153
106.5	311.358	287.449	220.502	136.797	67.748	58.468	50.546	45.280	46.198
107.0	313.261	289.405	222.667	139.145	70.330	60.488	52.745	47.401	48.423
107.5	315.163	291.385	224.805	141.570	72.964	62.661	55.046	49.498	50.494
108.0	316.988	293.314	227.021	144.046	75.598	65.116	57.296	51.748	52.667
108.5	318.788	295.243	229.211	146.523	78.282	67.622	59.571	53.896	54.816
109.0	320.716	297.096	231.376	148.973	80.942	70.102	61.924	56.146	57.014
109.5	322.490	299.155	233.540	151.398	83.600	72.608	64.251	58.320	59.188
110.0	324.340	300.955	235.653	153.925	86.311	75.139	66.552	60.570	61.464
110.5	326.140	302.886	237.689	156.401	89.021	77.670	68.930	62.820	63.688

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-827U-L13-827D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	327.966	304.687	239.827	158.877	91.757	80.228	71.308	65.096	65.964
111.5	329.741	306.565	241.992	161.405	94.493	82.784	73.660	67.397	68.137
112.0	331.438	308.444	244.104	163.906	97.228	85.367	76.089	69.698	70.335
112.5	333.263	310.297	246.269	166.458	100.041	88.000	78.543	71.974	72.586
113.0	334.908	312.150	248.408	168.960	102.752	90.634	80.947	74.249	74.887
113.5	336.708	313.978	250.520	171.564	105.487	93.294	83.427	76.601	77.239
114.0	338.430	315.727	252.632	174.065	108.300	95.901	85.959	78.928	79.541
114.5	340.127	317.528	254.745	176.592	111.010	98.586	88.975	81.332	81.842
115.0	341.722	319.356	256.858	179.145	113.772	101.246	92.197	83.710	84.195
115.5	343.343	321.158	258.945	181.672	116.559	103.956	94.498	86.037	86.470
116.0	345.091	322.831	261.084	184.199	119.346	106.615	96.084	88.414	88.950
116.5	346.661	324.633	263.094	186.727	122.082	109.274	98.283	90.792	91.277
117.0	348.408	326.435	265.258	189.279	124.869	112.035	101.198	93.221	93.706
117.5	349.952	328.082	267.293	191.781	127.707	114.670	104.471	95.548	96.007
118.0	351.496	329.857	269.355	194.334	130.417	117.431	107.078	98.003	98.411
118.5	352.962	331.506	271.519	196.835	133.230	120.142	108.869	100.329	100.789
119.0	354.532	333.102	273.530	199.388	136.017	122.801	110.863	102.835	103.244
119.5	356.103	334.954	275.591	201.889	138.804	125.434	113.318	105.239	105.544
120.0	357.594	336.628	277.626	204.365	141.643	128.119	115.823	107.693	108.102
120.5	359.112	338.251	279.662	206.790	144.404	130.855	118.355	110.123	110.454
121.0	360.630	339.847	281.724	209.316	147.089	133.514	120.860	112.603	112.858
121.5	362.174	341.522	283.709	211.766	149.901	136.148	123.366	115.543	115.261
122.0	363.437	343.144	285.745	214.294	152.688	138.808	125.975	118.893	117.716
122.5	365.007	344.459	287.704	216.744	155.424	141.441	128.480	121.756	120.196
123.0	366.551	346.133	289.714	219.194	158.186	144.152	131.037	123.649	122.651
123.5	368.095	347.703	291.750	221.618	160.973	146.785	133.594	125.924	125.182
124.0	369.383	349.096	293.786	224.043	163.683	149.470	136.177	128.891	128.583
124.5	370.927	350.692	295.744	226.519	166.471	152.181	138.734	131.397	133.007
125.0	372.268	352.341	297.781	228.969	169.181	154.763	141.342	133.084	135.844
125.5	373.530	353.708	299.790	231.419	171.968	157.448	143.899	134.874	137.174
126.0	375.048	355.330	301.673	233.767	174.678	160.107	146.482	137.252	137.635
126.5	376.311	356.749	303.682	236.166	177.388	162.715	149.013	139.707	139.782
127.0	377.651	358.371	305.821	238.565	180.150	165.426	151.570	142.187	142.237
127.5	378.966	359.738	307.652	240.887	182.886	168.059	154.153	144.642	144.718
128.0	380.228	361.131	309.431	243.311	185.571	170.769	156.761	147.122	147.249
128.5	381.542	362.753	311.544	245.711	188.358	173.480	159.241	149.628	149.729
129.0	382.857	364.146	313.375	248.059	191.119	176.114	161.926	152.185	152.260
129.5	382.841	365.513	315.207	250.432	193.855	178.773	164.560	154.665	154.791
130.0	384.181	366.880	317.320	252.806	196.565	181.432	167.167	157.145	157.323
130.5	384.985	368.246	319.125	255.205	199.276	184.143	169.776	159.625	159.880
131.0	386.247	369.331	320.956	257.527	202.038	186.802	172.307	162.132	162.386
131.5	386.565	370.521	322.787	259.875	204.825	189.435	174.890	164.688	164.917
132.0	388.568	371.632	324.618	262.197	207.560	192.069	177.549	167.220	167.525
132.5	389.909	372.716	326.450	264.519	210.348	194.754	180.131	169.751	170.056
133.0	390.482	373.650	328.281	266.791	213.109	197.387	182.816	172.232	172.588
133.5	391.744	374.505	330.112	269.138	215.794	200.073	185.398	175.095	175.120
134.0	393.570	376.154	331.917	271.512	218.505	202.757	188.058	177.601	177.728
134.5	394.118	377.265	333.493	273.834	221.240	205.365	190.691	180.158	180.233
135.0	395.406	378.913	335.324	276.208	223.976	208.101	193.273	182.741	182.919
135.5	397.002	379.743	337.155	278.274	226.712	210.786	195.933	185.349	185.399
136.0	397.524	380.880	338.908	280.648	229.423	213.471	198.516	187.829	188.007
136.5	399.324	382.017	340.536	282.944	232.107	216.053	201.124	190.412	190.486
137.0	399.360	383.358	342.086	285.292	234.844	218.763	203.757	192.943	193.198
137.5	400.851	384.750	343.943	287.411	237.503	221.475	206.288	195.474	195.755
138.0	401.399	385.606	344.929	289.680	240.186	224.081	208.869	198.004	198.154
138.5	402.969	387.254	346.275	291.772	242.769	226.715	211.504	200.690	200.892

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMH-2-00-L13-827U-L13-827D-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	403.851	387.880	348.106	294.094	245.428	229.271	214.086	203.221	203.500
139.5	404.575	388.965	349.400	296.134	248.114	231.957	216.669	205.804	206.083
140.0	405.378	390.128	351.001	298.200	250.748	234.513	219.175	208.335	208.641
140.5	406.719	391.291	351.810	300.496	253.407	237.173	221.834	210.995	211.403
141.0	407.496	392.402	353.130	302.536	256.118	239.756	224.468	213.705	214.113
141.5	408.555	392.799	354.961	304.832	258.803	242.364	227.050	216.364	216.746
142.0	409.155	394.218	356.255	306.898	261.359	244.972	229.632	219.023	219.405
142.5	409.958	395.329	357.856	308.938	263.916	247.529	232.189	221.555	222.064
143.0	411.220	396.158	359.150	311.031	266.473	250.137	234.746	224.112	224.698
143.5	412.305	396.784	360.470	313.123	269.286	252.796	237.405	226.822	227.358
144.0	411.830	397.691	362.046	315.215	271.868	255.404	239.961	229.480	230.016
144.5	413.223	398.854	363.365	317.281	274.451	257.858	242.570	232.114	232.675
145.0	414.511	399.736	364.430	319.144	277.008	260.415	245.126	234.671	235.437
145.5	414.573	400.617	366.261	321.236	279.565	262.998	247.683	237.304	237.994
146.0	415.350	401.191	367.299	323.099	281.892	265.555	250.188	239.861	240.627
146.5	416.769	402.354	368.645	324.424	284.449	268.112	252.720	242.468	243.261
147.0	417.343	402.928	369.939	326.261	287.006	270.668	255.353	245.050	245.919
147.5	418.428	404.117	371.029	327.612	289.333	273.277	257.884	247.658	248.476
148.0	418.438	404.231	372.349	329.193	291.890	275.808	260.441	250.266	251.161
148.5	418.526	404.857	373.157	331.286	294.217	278.109	263.024	252.874	253.769
149.0	419.303	406.021	374.477	333.122	296.800	280.437	265.555	255.430	256.428
149.5	419.699	405.623	375.286	334.474	299.101	283.019	268.112	257.910	258.985
150.0	419.939	406.735	376.606	336.592	301.402	285.576	270.668	260.467	261.798
150.5	420.768	407.360	378.207	338.199	303.704	287.904	273.225	263.280	264.355
151.0	420.804	407.986	378.531	340.062	306.031	290.205	275.552	265.810	267.141
151.5	421.659	408.127	380.106	341.643	308.358	292.761	278.109	268.393	269.724
152.0	421.721	408.523	380.685	343.505	310.685	295.089	280.666	270.924	272.510
152.5	421.502	409.149	381.775	344.857	312.986	297.390	283.249	273.481	275.093
153.0	421.564	409.263	382.866	346.719	315.058	299.717	285.524	275.782	277.650
153.5	422.393	409.915	383.674	348.326	316.362	302.018	288.107	278.594	280.207
154.0	421.944	410.311	384.253	350.189	318.919	304.601	290.408	281.125	283.046
154.5	422.518	410.452	384.780	351.541	320.709	306.647	292.965	283.682	285.628
155.0	423.065	410.822	385.818	352.892	322.269	309.000	295.292	285.983	288.159
155.5	422.898	410.733	386.548	354.525	324.085	311.275	297.849	288.540	290.742
156.0	422.167	411.129	387.023	355.850	326.386	313.628	300.176	291.097	293.273
156.5	422.740	411.551	387.549	357.483	328.202	314.907	302.477	293.627	295.574
157.0	423.006	411.410	388.332	358.861	330.274	317.234	304.778	295.929	298.157
157.5	421.831	411.576	388.858	359.930	332.063	319.279	307.361	298.485	300.714
158.0	421.909	410.976	389.464	361.282	333.879	321.325	309.663	301.042	303.271
158.5	421.225	411.143	389.813	362.404	335.925	322.885	311.708	303.343	305.572
159.0	420.520	411.309	390.418	363.755	337.741	324.930	313.242	305.644	308.128
159.5	421.198	411.450	390.767	365.132	339.275	327.232	316.336	308.201	310.430
160.0	420.363	411.308	391.143	366.228	341.346	329.047	317.615	310.502	312.986
160.5	419.762	411.141	391.774	367.094	342.906	331.119	319.942	312.804	315.314
161.0	419.976	411.177	392.149	368.216	344.185	332.909	321.732	314.593	317.844
161.5	419.479	410.243	392.754	369.312	346.230	334.954	323.292	316.894	319.890
162.0	419.140	409.846	392.133	370.433	347.509	336.770	325.593	319.196	320.860
162.5	418.180	409.219	393.020	370.788	349.580	338.842	327.383	320.985	323.109
163.0	417.908	409.642	392.910	372.166	350.885	340.887	329.966	322.775	325.076
163.5	417.433	408.812	393.056	372.750	352.675	342.447	331.755	325.076	327.351
164.0	417.573	408.801	393.432	373.616	353.953	343.981	333.545	327.122	329.371
164.5	416.743	407.997	393.322	374.200	355.513	345.771	335.873	329.449	332.131
165.0	415.939	407.960	393.468	375.066	357.047	347.817	337.918	331.239	334.176
165.5	414.624	406.645	393.384	375.906	358.607	349.121	339.452	333.029	335.966
166.0	414.613	406.149	393.248	376.772	359.886	350.655	341.268	335.330	338.471
166.5	414.039	405.627	393.420	377.638	360.909	352.471	343.287	337.375	340.772

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-827U-L13-827D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	413.412	405.105	393.081	377.508	362.213	353.750	345.359	339.191	342.817
167.5	412.300	404.123	392.997	378.144	363.262	355.284	346.637	341.518	344.607
168.0	410.526	403.372	392.913	378.781	364.540	356.844	348.709	343.564	346.679
168.5	410.260	402.771	392.830	379.444	365.819	358.378	350.780	345.635	348.698
169.0	408.715	401.889	392.235	379.057	367.123	359.912	352.033	347.169	350.462
169.5	407.937	400.934	392.151	379.923	367.864	360.935	354.078	349.471	351.970
170.0	407.159	399.953	391.812	380.075	368.631	362.495	355.638	351.005	354.015
170.5	406.408	399.509	390.987	380.482	369.424	363.773	356.943	352.820	355.831
171.0	404.837	398.580	391.185	380.659	369.936	365.052	358.247	354.610	357.391
171.5	403.600	397.651	390.079	380.836	371.240	365.845	359.808	356.452	359.437
172.0	402.926	396.492	390.047	381.243	372.289	367.123	361.342	357.475	360.919
172.5	401.716	395.360	389.222	381.165	373.030	368.402	362.876	359.520	362.938
173.0	400.019	394.430	388.450	381.113	373.567	369.680	364.410	361.055	363.935
173.5	399.116	393.272	388.215	381.572	374.053	370.191	365.688	362.333	365.750
174.0	398.161	392.369	387.187	381.520	374.308	371.470	366.711	363.893	367.514
174.5	396.669	390.725	386.467	381.467	375.102	372.748	367.963	365.427	368.281
175.0	395.176	389.592	385.747	380.930	375.869	373.515	368.986	366.680	369.789
175.5	393.709	388.512	385.052	381.441	376.354	374.000	370.291	367.984	370.812
176.0	393.318	387.458	384.384	381.415	376.891	375.049	371.543	369.288	372.883
176.5	391.189	385.945	383.743	381.186	377.121	375.561	373.103	370.593	373.676
177.0	390.082	384.995	382.642	381.186	377.173	376.328	373.359	371.845	374.955
177.5	388.438	383.560	382.334	380.674	377.658	376.584	374.637	372.868	375.696
178.0	386.899	382.688	381.796	380.674	377.914	377.351	375.378	374.428	377.767
178.5	385.260	381.102	381.029	380.419	377.914	378.118	376.145	375.425	379.020
179.0	384.159	380.565	380.006	380.419	378.170	378.373	377.450	376.448	379.531
179.5	383.111	379.568	379.495	379.907	378.170	378.885	377.961	377.241	381.603
180.0	379.135	379.135	379.135	379.135	379.135	379.135	379.135	379.135	379.135

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-827U-L13-827D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	140.76	N.A.	5.50
0-30	299.02	N.A.	11.70
0-40	490.50	N.A.	19.20
0-60	888.40	N.A.	34.70
0-80	1189.83	N.A.	46.50
0-90	1284.52	N.A.	50.20
10-90	1248.15	N.A.	48.80
20-40	349.73	N.A.	13.70
20-50	552.76	N.A.	21.60
40-70	567.32	N.A.	22.20
60-80	301.43	N.A.	11.80
70-80	132.01	N.A.	5.20
80-90	94.69	N.A.	3.70
90-110	225.85	N.A.	8.80
90-120	394.07	N.A.	15.40
90-130	587.57	N.A.	23.00
90-150	978.80	N.A.	38.20
90-180	1274.5	N.A.	49.80
110-180	1048.65	N.A.	41.00
0-180	2559.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	36.36
10-20	104.40
20-30	158.25
30-40	191.48
40-50	203.03
50-60	194.87
60-70	169.42
70-80	132.01
80-90	94.69
90-100	94.55
100-110	131.30
110-120	168.22
120-130	193.50
130-140	201.48
140-150	189.75
150-160	156.57
160-170	103.17
170-180	35.96

IES INDOOR REPORT

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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

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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

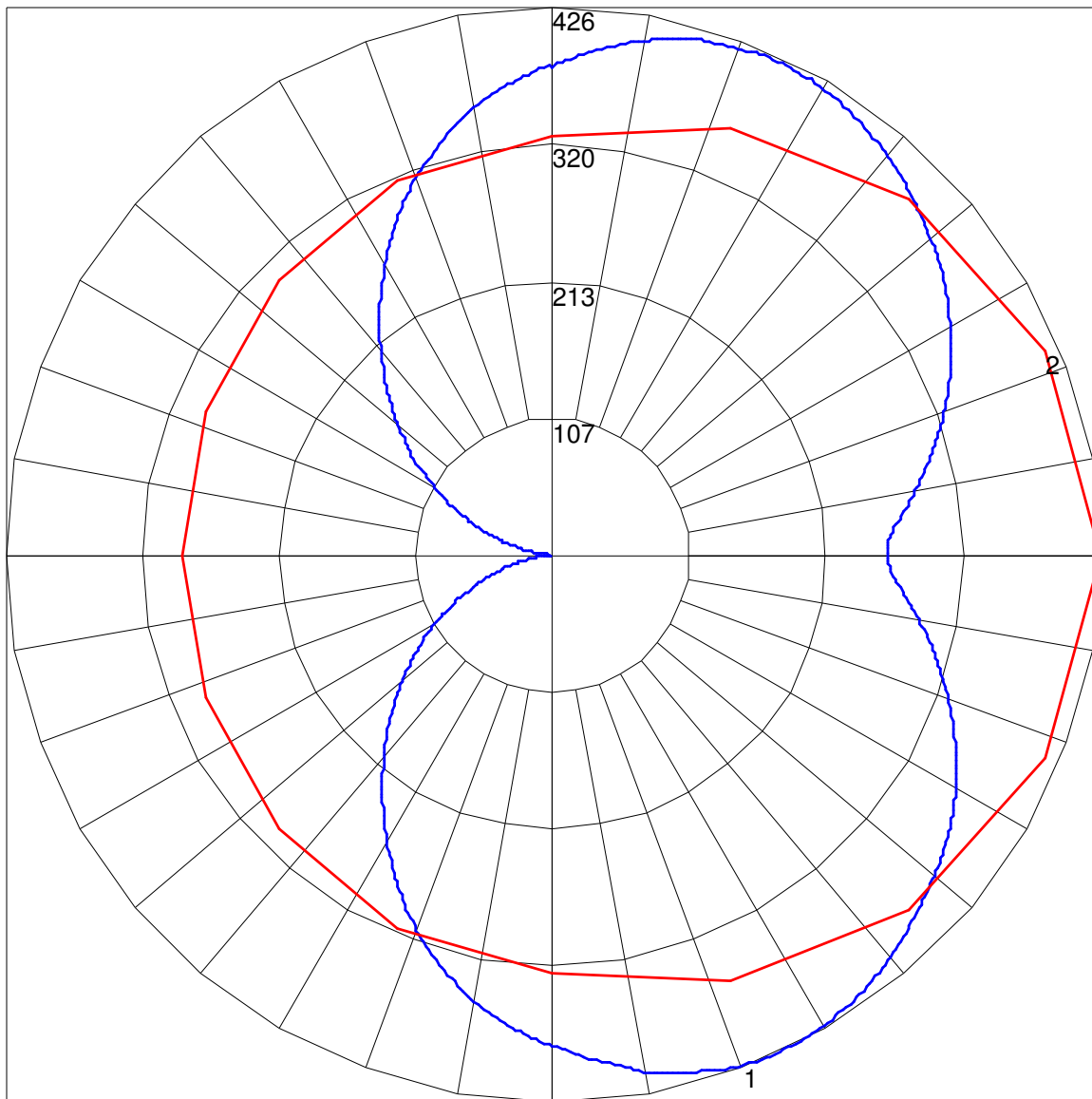
X=2H	Y=2H	19.4	20.3	20.3	21.2	22.5	13.5	14.4	14.4	15.3	16.6
	3H	22.4	23.2	23.4	24.2	25.5	14.8	15.7	15.8	16.6	17.9
	4H	24.0	24.7	24.9	25.7	27.0	15.3	16.0	16.2	17.0	18.3
	6H	25.6	26.3	26.6	27.3	28.6	15.5	16.2	16.5	17.2	18.5
	8H	26.4	27.1	27.4	28.1	29.5	15.5	16.2	16.5	17.2	18.6
	12H	27.4	28.0	28.4	29.0	30.4	15.6	16.2	16.5	17.2	18.6

UGR Viewed Endwise

4H	2H	19.6	20.4	20.6	21.4	22.7	14.7	15.5	15.7	16.5	17.8
	3H	22.9	23.6	23.9	24.6	25.9	16.3	17.0	17.3	18.0	19.3
	4H	24.6	25.3	25.6	26.3	27.6	16.9	17.5	17.9	18.5	19.9
	6H	26.5	27.0	27.5	28.1	29.4	17.3	17.8	18.3	18.9	20.2
	8H	27.5	28.0	28.5	29.0	30.3	17.4	17.9	18.4	18.9	20.3
	12H	28.5	29.0	29.5	30.0	31.3	17.4	17.9	18.5	18.9	20.3
8H	4H	24.8	25.3	25.8	26.3	27.7	18.0	18.5	19.0	19.5	20.9
	6H	26.8	27.2	27.8	28.3	29.6	18.6	19.0	19.6	20.1	21.4
	8H	27.9	28.3	29.0	29.3	30.7	18.9	19.2	19.9	20.3	21.6
	12H	29.1	29.5	30.2	30.5	31.9	19.0	19.3	20.0	20.4	21.8
12H	4H	24.8	25.2	25.8	26.2	27.6	18.3	18.8	19.4	19.8	21.2
	6H	26.8	27.2	27.9	28.2	29.6	19.1	19.5	20.2	20.6	21.9
	8H	28.0	28.3	29.0	29.4	30.8	19.5	19.8	20.5	20.8	22.2

Maximum UGR = 31.9

POLAR GRAPH



Maximum Candela = 426.075 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.)