

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-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
[MANUFAC] H E Williams Inc
[LUMCAT] CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_
[LUMINAIRE] 4' wall mounted fixture with both up and down lighting
[MORE] compartments
[LAMP] (2) 56 LED boards - 112 Total LED
[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	4965
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	41.6
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)	3.67 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10251	9707	9306
55	10190	9288	8536
65	10208	8966	7626
75	10385	8764	6293
85	10916	8964	4394

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES

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	743.013	743.013	743.013	743.013	743.013	743.013	743.013	743.013	743.013
0.5	744.058	745.298	743.917	746.747	741.682	745.535	740.531	740.491	740.562
1.0	746.084	747.065	746.648	747.352	741.225	744.423	738.406	738.366	738.486
1.5	748.765	749.438	747.452	748.971	741.225	742.348	737.293	735.784	734.941
2.0	751.039	752.368	749.269	749.120	740.669	740.779	735.268	733.709	732.866
2.5	754.326	754.383	751.691	749.775	740.163	739.766	733.242	732.189	730.889
3.0	756.500	757.412	753.608	749.924	739.656	738.753	731.722	729.151	728.307
3.5	759.380	760.082	755.018	751.642	739.656	736.677	729.190	727.075	726.788
4.0	763.173	762.753	757.440	751.791	738.594	734.651	728.177	724.543	723.243
4.5	764.891	764.967	759.356	751.483	738.087	734.145	725.644	722.010	720.154
5.0	765.844	767.737	761.014	753.151	737.074	731.613	722.606	719.428	717.165
5.5	769.379	770.000	761.560	753.349	735.555	729.080	721.086	716.896	715.645
6.0	771.752	771.807	763.019	753.041	734.492	728.524	719.060	714.821	712.557
6.5	773.668	775.232	764.528	752.783	733.529	726.548	716.429	711.226	709.568
7.0	775.585	777.396	765.531	752.882	732.973	724.929	713.896	708.137	705.973
7.5	777.540	779.203	766.583	752.673	730.391	722.397	710.858	705.605	702.428
8.0	781.302	780.503	767.883	751.352	728.871	719.865	708.325	702.516	698.882
8.5	784.636	782.409	769.183	752.107	728.365	718.345	705.743	699.477	695.386
9.0	789.192	784.414	770.335	751.292	725.832	715.763	702.655	695.376	691.841
9.5	791.445	786.161	771.029	751.540	724.264	712.724	699.616	692.288	690.828
10.0	793.956	788.871	771.674	750.825	722.744	710.649	697.083	689.249	685.257
10.5	796.418	790.468	772.825	750.060	720.212	708.166	693.995	685.654	682.774
11.0	797.917	791.609	773.520	748.838	719.149	705.584	690.400	683.121	679.229
11.5	799.267	793.406	773.708	747.616	716.110	702.545	687.411	679.020	674.671
12.0	800.110	794.695	774.402	747.407	714.084	700.976	684.322	675.475	670.668
12.5	803.029	796.998	774.640	746.186	712.515	696.875	680.777	671.929	667.123
13.0	804.676	798.238	774.977	744.964	710.490	694.342	677.182	667.828	662.158
13.5	805.966	799.885	775.313	744.249	706.944	691.303	674.094	663.727	659.218
14.0	808.417	800.927	775.700	743.076	705.375	687.202	669.535	659.675	654.809
14.5	810.114	802.019	774.974	741.298	702.843	684.670	665.941	655.623	650.300
15.0	810.143	802.554	775.212	740.126	699.248	681.581	662.395	651.571	645.791
15.5	811.195	803.139	775.141	737.842	696.209	678.493	658.294	647.013	643.259
16.0	811.642	804.230	774.564	735.965	693.627	674.947	655.205	642.961	637.132
16.5	813.824	805.321	775.507	735.299	691.095	671.402	651.154	639.416	634.093
17.0	816.216	804.893	775.436	733.015	688.562	667.301	647.559	634.808	631.104
17.5	816.592	806.540	774.810	730.174	684.967	664.719	642.951	631.720	625.989
18.0	818.030	806.112	774.183	729.002	681.422	659.604	638.393	627.161	622.444
18.5	819.975	806.747	773.408	726.817	677.827	656.566	636.317	624.629	617.836
19.0	819.487	807.381	773.238	725.238	674.788	652.464	632.265	620.071	613.278
19.5	821.779	807.460	771.957	723.201	671.193	649.376	627.657	615.512	608.163
20.0	822.910	807.131	771.787	720.510	668.154	645.324	625.631	610.954	603.605
20.5	823.236	807.765	770.048	718.324	665.066	641.223	621.024	606.346	598.491
21.0	823.513	807.387	769.372	715.325	660.508	637.171	616.465	601.788	593.933
21.5	824.346	807.614	768.140	713.795	657.419	635.095	612.414	596.723	588.868
22.0	825.427	807.434	766.957	711.808	653.367	630.030	607.806	592.165	583.753
22.5	826.051	807.254	765.725	709.216	649.266	626.386	603.198	587.607	579.195
23.0	825.612	807.530	764.542	706.574	645.671	621.321	598.640	582.542	574.081
23.5	825.730	806.993	763.817	702.919	641.113	619.295	594.032	577.477	569.016
24.0	826.304	806.912	762.128	700.982	638.074	615.194	589.424	572.869	563.445
24.5	826.630	806.732	760.945	698.032	633.466	610.636	584.865	567.854	558.886
25.0	825.944	806.601	758.749	695.896	631.947	605.978	580.258	562.740	553.772
25.5	824.751	805.458	757.567	693.304	628.352	601.420	575.699	557.675	548.201
26.0	825.077	805.178	755.878	689.192	624.807	596.812	570.585	553.117	543.593
26.5	824.440	803.886	754.238	686.043	620.199	592.254	565.977	548.052	537.972

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	823.297	803.101	753.155	683.451	615.591	587.596	560.912	542.987	532.908
27.5	823.266	802.821	750.095	680.859	611.489	583.038	556.305	537.873	527.793
28.0	823.592	801.529	748.098	676.191	606.931	577.924	551.697	532.808	522.222
28.5	822.250	800.237	746.558	674.055	602.879	573.365	546.632	527.744	517.108
29.0	821.156	799.957	745.017	669.943	597.815	568.758	541.567	522.172	512.043
29.5	820.927	797.652	743.070	665.732	593.207	563.693	536.453	517.108	506.725
30.0	820.538	796.261	741.023	663.090	588.599	558.529	531.895	511.993	501.460
30.5	819.245	795.117	738.976	659.485	584.041	553.971	526.780	506.878	496.394
31.0	819.065	794.332	736.979	655.780	579.482	548.856	521.716	501.762	491.128
31.5	817.971	793.447	733.919	654.152	574.874	543.792	516.651	496.748	485.912
32.0	816.272	792.154	732.429	649.940	569.810	539.184	511.536	491.531	480.897
32.5	816.598	790.356	729.826	647.805	565.202	534.069	506.421	486.466	475.581
33.0	813.836	789.619	727.680	644.199	560.644	529.005	501.306	481.149	470.263
33.5	814.312	787.265	725.028	640.038	555.529	523.890	496.241	476.034	465.147
34.0	813.625	785.515	721.869	636.383	550.465	518.826	491.127	471.019	459.831
34.5	812.025	783.717	718.710	632.172	545.350	514.218	486.011	465.803	454.665
35.0	810.127	781.918	716.613	628.011	540.285	509.001	480.997	460.687	449.651
35.5	808.934	780.675	714.418	624.356	535.727	503.887	475.983	455.521	444.383
36.0	807.025	777.864	711.358	620.194	530.662	498.771	470.868	450.457	439.117
36.5	805.932	776.065	709.212	616.033	525.091	493.657	465.551	445.493	433.900
37.0	804.182	774.822	705.497	611.822	519.977	488.693	460.587	440.278	428.633
37.5	802.632	772.060	702.289	607.660	514.912	483.427	455.522	435.010	423.670
38.0	801.995	769.755	700.242	603.499	509.847	478.312	450.356	430.047	418.303
38.5	798.825	768.006	696.070	599.338	504.682	473.095	445.292	424.882	412.985
39.0	797.275	766.763	693.368	594.670	499.415	468.082	440.126	419.817	407.819
39.5	795.069	763.952	693.755	590.459	494.300	462.967	435.162	414.651	402.704
40.0	794.481	762.202	690.645	586.297	489.032	457.699	430.149	409.587	397.740
40.5	791.411	760.354	687.536	581.629	483.766	452.585	424.933	404.522	392.625
41.0	789.106	757.691	684.327	577.418	478.651	447.469	419.868	399.407	387.410
41.5	786.542	755.386	681.218	572.850	473.282	442.153	414.702	394.444	382.395
42.0	785.905	753.538	677.503	568.738	468.065	437.289	409.638	389.279	377.382
42.5	783.799	751.282	674.344	564.626	462.798	432.124	404.523	384.113	372.417
43.0	781.185	747.458	671.086	560.613	457.532	426.908	399.458	379.251	367.152
43.5	779.943	745.659	667.977	556.045	452.011	421.691	394.241	374.035	362.238
44.0	777.280	743.354	664.361	551.476	446.845	416.577	389.024	368.920	357.427
44.5	775.173	741.098	660.596	546.858	441.476	411.512	383.910	363.906	352.414
45.0	773.622	739.299	657.487	542.696	436.209	406.144	378.845	358.740	347.501
45.5	770.304	736.031	653.822	538.130	430.943	400.977	373.578	353.777	342.336
46.0	770.075	733.775	650.156	533.614	425.574	395.761	368.513	348.763	337.373
46.5	767.005	732.483	646.997	529.046	420.255	390.596	363.297	343.649	332.612
47.0	765.861	731.697	643.332	524.378	414.736	385.430	358.181	338.735	327.801
47.5	764.162	729.591	639.617	519.961	409.266	380.162	353.067	333.671	322.686
48.0	762.104	726.630	636.101	515.545	403.846	374.744	348.052	328.860	317.722
48.5	758.786	723.967	632.286	511.077	398.529	369.477	342.836	323.846	312.810
49.0	756.729	721.155	628.671	506.458	393.212	364.260	337.721	318.984	307.795
49.5	754.721	718.344	624.956	501.840	387.843	359.145	332.707	314.073	303.034
50.0	754.998	716.138	621.241	497.322	382.424	353.929	327.694	309.160	298.021
50.5	751.372	713.326	617.625	492.656	377.055	348.560	322.527	304.499	293.159
51.0	750.686	710.614	614.009	488.140	371.737	343.394	317.514	299.537	288.248
51.5	748.172	707.852	609.788	483.471	366.419	338.076	312.398	294.624	283.487
52.0	745.657	704.533	606.023	478.601	361.000	332.961	307.485	289.813	278.827
52.5	743.501	701.771	602.407	474.035	355.682	327.796	302.472	285.002	273.965
53.0	740.838	698.910	598.235	469.265	350.313	322.529	297.408	280.190	269.052
53.5	738.175	696.198	594.470	464.548	345.096	317.211	292.343	275.430	264.140
54.0	735.711	693.336	590.552	459.728	339.678	312.095	287.329	270.517	259.784
54.5	733.048	690.217	586.482	454.858	334.462	307.031	282.366	265.808	254.974

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	730.484	687.355	582.615	450.140	329.144	301.764	277.352	260.945	250.111
55.5	727.871	684.037	578.796	445.219	323.876	296.447	272.390	256.134	245.452
56.0	725.308	681.275	574.828	440.451	318.508	291.331	267.476	251.525	240.540
56.5	722.843	677.957	570.707	435.479	313.189	286.115	262.361	246.562	236.032
57.0	720.230	675.245	566.638	430.558	307.821	280.999	257.600	242.004	231.574
57.5	717.110	671.976	562.718	425.638	302.553	275.683	252.738	237.092	226.662
58.0	714.348	668.608	558.699	420.565	297.084	270.516	247.724	232.483	221.952
58.5	711.884	665.340	554.581	415.645	291.715	265.400	242.913	227.773	217.191
59.0	709.270	662.170	550.309	410.572	286.245	260.235	238.101	223.012	212.684
59.5	706.200	658.753	546.337	405.500	280.725	255.019	233.341	218.403	208.075
60.0	702.882	655.435	542.066	400.579	275.305	249.752	228.580	213.743	203.415
60.5	699.861	652.166	538.098	395.659	269.937	244.586	223.719	209.134	198.756
61.0	697.248	648.846	533.978	390.839	264.619	239.370	218.856	204.475	194.147
61.5	694.079	645.528	529.858	385.869	259.200	234.305	213.994	199.815	189.487
62.0	690.403	642.007	525.535	380.796	253.881	229.089	209.335	195.157	185.030
62.5	687.283	638.535	521.463	375.825	248.411	223.974	204.473	190.446	180.320
63.0	684.164	635.215	517.396	370.854	243.143	218.707	199.612	185.838	175.812
63.5	681.044	631.542	513.276	365.882	237.775	213.490	194.850	181.278	171.153
64.0	677.974	627.971	508.953	360.912	232.406	208.526	190.038	176.568	166.798
64.5	674.348	624.450	504.885	355.941	227.089	203.360	185.125	171.959	162.593
65.0	670.874	620.929	500.411	350.768	221.720	198.296	180.213	167.401	157.883
65.5	667.353	617.206	496.290	345.645	216.301	193.130	175.502	162.792	153.426
66.0	663.929	613.380	492.119	340.675	211.033	187.965	170.589	158.284	149.071
66.5	660.706	609.709	487.697	335.654	205.767	182.799	165.880	153.625	144.715
67.0	657.080	606.035	483.576	330.632	200.498	177.734	161.270	149.168	140.511
67.5	653.556	602.361	479.152	325.459	195.230	172.770	156.560	144.660	136.105
68.0	650.082	598.539	474.831	320.337	189.710	167.858	151.800	140.203	131.597
68.5	646.405	594.713	470.560	315.265	184.392	162.692	147.040	135.746	127.140
69.0	643.186	590.940	466.085	310.296	179.175	157.779	142.329	131.289	123.038
69.5	639.560	587.268	461.914	305.376	173.959	152.714	137.871	126.933	118.783
70.0	636.135	583.441	457.442	300.455	168.691	147.801	133.263	122.578	114.528
70.5	632.609	579.567	453.119	295.485	163.476	142.788	128.705	118.121	110.123
71.0	629.185	575.741	448.747	290.365	158.208	137.926	124.147	113.917	105.868
71.5	625.709	571.915	444.174	285.446	153.244	133.064	119.691	109.713	101.665
72.0	621.936	567.841	439.902	280.678	148.077	128.202	115.233	105.510	97.814
72.5	618.359	564.115	435.529	275.810	142.558	123.390	110.826	101.458	93.509
73.0	614.635	560.190	431.258	271.092	137.593	118.680	106.522	97.203	89.457
73.5	611.008	556.164	426.939	266.223	132.479	114.122	102.166	93.050	85.304
74.0	607.431	552.289	422.466	261.355	127.463	109.513	97.861	89.099	81.355
74.5	603.556	548.215	418.143	256.538	122.601	104.955	93.657	85.098	77.658
75.0	599.879	544.340	413.623	251.871	117.689	100.396	89.504	81.148	73.657
75.5	596.103	540.314	409.304	247.004	112.876	95.939	85.350	77.096	69.857
76.0	592.278	536.439	405.184	242.238	108.064	91.584	81.147	73.298	66.160
76.5	588.447	532.364	400.765	237.721	103.253	87.279	76.994	69.347	62.514
77.0	584.570	528.541	396.445	232.906	98.592	82.974	73.144	65.650	59.120
77.5	580.693	524.517	392.126	228.440	93.832	78.719	69.144	61.902	55.574
78.0	576.918	520.644	387.958	223.877	89.374	74.465	65.244	58.306	52.130
78.5	572.838	516.622	383.839	219.563	84.867	70.312	61.395	54.760	48.686
79.0	569.013	512.497	379.621	215.001	80.510	66.311	57.596	51.215	45.192
79.5	565.136	508.625	375.503	210.588	76.104	62.360	53.898	47.669	42.001
80.0	561.162	504.703	371.337	206.228	71.747	58.510	50.302	44.327	38.759
80.5	557.185	500.732	367.170	202.119	67.543	54.661	46.757	40.984	35.619
81.0	553.461	496.911	363.306	198.010	63.491	50.913	43.313	37.742	32.378
81.5	549.635	492.786	359.292	193.903	59.540	47.316	39.918	34.551	29.238
82.0	545.760	488.966	355.429	189.795	55.640	43.770	36.526	31.411	26.301
82.5	542.285	485.500	351.618	185.838	51.740	40.377	33.385	28.523	23.514

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	538.514	481.780	347.705	182.133	47.992	36.933	30.244	25.586	20.628
83.5	534.943	478.009	343.894	178.480	44.397	33.589	27.256	22.699	17.842
84.0	531.472	474.442	340.286	174.829	40.902	30.398	24.319	19.913	15.106
84.5	527.900	470.774	336.627	171.177	37.458	27.309	21.331	17.128	12.575
85.0	524.530	467.056	333.020	167.728	34.115	24.321	18.494	14.545	10.294
85.5	521.210	463.640	329.260	164.279	30.823	21.333	15.758	12.063	8.269
86.0	517.893	460.373	325.652	160.981	27.632	18.446	13.124	9.835	6.800
86.5	514.821	457.403	322.397	157.684	24.543	15.659	10.592	8.111	5.786
87.0	511.998	455.329	319.188	154.639	21.605	12.924	8.364	6.744	5.128
87.5	509.969	453.752	316.777	151.493	18.668	10.289	6.793	5.882	4.721
88.0	508.986	453.021	315.059	148.398	15.679	7.706	5.678	5.274	4.517
88.5	508.247	452.486	313.984	145.698	12.691	5.579	5.069	4.818	4.264
89.0	507.808	452.351	313.710	143.843	9.651	4.566	4.715	4.665	4.213
89.5	507.719	452.267	313.484	143.229	7.066	4.211	4.563	4.513	4.162
90.0	507.777	452.232	313.510	143.264	6.044	4.109	4.511	4.512	4.212
90.5	507.387	452.350	313.539	143.552	7.180	4.108	4.510	4.511	4.160
91.0	507.599	452.721	313.918	144.900	9.659	4.157	4.460	4.561	4.160
91.5	507.711	453.394	314.753	147.263	12.635	4.950	4.509	4.510	4.109
92.0	508.328	454.471	316.649	150.082	15.512	6.388	4.658	4.460	4.208
92.5	508.995	456.304	319.252	152.901	18.289	8.719	5.054	4.609	4.308
93.0	510.370	458.596	322.359	156.171	21.066	11.448	6.046	4.807	4.655
93.5	512.150	461.491	325.669	159.089	23.943	14.176	7.733	5.351	5.449
94.0	514.789	464.791	329.076	162.406	26.969	16.954	10.014	6.443	6.986
94.5	517.984	468.142	332.282	165.674	30.044	19.631	12.643	8.180	9.119
95.0	521.330	471.741	336.040	168.940	33.219	22.558	15.321	10.262	11.499
95.5	524.676	475.391	339.647	172.356	36.493	25.535	18.099	12.792	14.229
96.0	528.173	478.789	343.202	175.871	39.866	28.511	21.076	15.522	16.907
96.5	531.569	482.287	346.858	179.536	43.337	31.636	24.003	18.249	19.785
97.0	535.014	485.837	350.514	183.250	46.909	34.761	27.029	21.126	22.711
97.5	538.559	489.482	354.220	186.964	50.630	38.084	30.104	24.153	25.588
98.0	542.002	493.129	357.928	190.925	54.300	41.458	33.180	27.079	28.514
98.5	545.645	496.875	361.833	194.936	58.220	44.930	36.403	30.154	31.690
99.0	549.238	500.672	365.738	198.896	62.288	48.650	39.728	33.279	34.864
99.5	552.832	504.367	369.692	203.057	66.354	52.321	43.149	36.554	38.189
100.0	556.424	508.163	373.746	207.265	70.521	56.190	46.572	39.828	41.363
100.5	560.017	512.007	377.748	211.474	74.787	60.059	50.144	43.102	44.736
101.0	563.810	515.752	381.852	215.832	79.153	63.929	53.865	46.475	48.059
101.5	567.303	519.494	385.903	220.140	83.567	68.097	57.536	49.898	51.581
102.0	571.093	523.391	390.153	224.548	88.081	71.964	61.355	53.420	55.203
102.5	574.735	527.135	394.254	228.905	92.595	76.330	65.175	57.041	58.775
103.0	578.478	530.978	398.404	233.312	97.309	81.489	69.094	60.662	62.446
103.5	582.218	534.772	402.604	237.818	102.071	85.755	73.062	64.382	66.067
104.0	585.963	538.565	406.854	242.424	106.734	89.375	77.031	68.153	69.936
104.5	589.602	542.559	411.052	246.930	111.496	93.940	81.197	72.022	73.805
105.0	593.444	546.303	415.202	251.435	116.456	98.305	85.316	75.941	77.724
105.5	596.736	550.146	419.500	256.041	121.368	102.918	89.481	79.860	81.643
106.0	600.525	553.989	423.649	260.696	126.328	108.077	93.749	83.829	85.662
106.5	604.068	557.682	427.798	265.401	131.438	113.434	98.064	87.848	89.629
107.0	607.759	561.476	431.997	269.956	136.448	117.353	102.330	91.964	93.946
107.5	611.450	565.318	436.146	274.662	141.557	121.570	106.795	96.031	97.964
108.0	614.991	569.061	440.446	279.465	146.668	126.332	111.160	100.398	102.180
108.5	618.482	572.803	444.694	284.269	151.876	131.194	115.575	104.563	106.348
109.0	622.223	576.398	448.894	289.023	157.035	136.005	120.138	108.930	110.614
109.5	625.664	580.393	453.091	293.727	162.194	140.867	124.653	113.146	114.831
110.0	629.255	583.885	457.192	298.631	167.452	145.778	129.118	117.511	119.246
110.5	632.746	587.630	461.142	303.434	172.710	150.689	133.731	121.877	123.562

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	636.288	591.125	465.290	308.238	178.018	155.650	138.344	126.293	127.977
111.5	639.732	594.769	469.490	313.142	183.326	160.611	142.908	130.757	132.193
112.0	643.024	598.414	473.588	317.995	188.633	165.621	147.620	135.221	136.458
112.5	646.566	602.010	477.788	322.947	194.091	170.730	152.383	139.636	140.825
113.0	649.756	605.605	481.938	327.800	199.349	175.839	157.045	144.051	145.289
113.5	653.249	609.150	486.035	332.853	204.657	180.999	161.857	148.615	149.853
114.0	656.590	612.544	490.133	337.705	210.113	186.059	166.769	153.129	154.317
114.5	659.882	616.039	494.233	342.608	215.371	191.268	172.621	157.793	158.782
115.0	662.976	619.585	498.332	347.561	220.730	196.428	178.872	162.406	163.346
115.5	666.122	623.080	502.381	352.464	226.137	201.686	183.336	166.920	167.761
116.0	669.512	626.326	506.531	357.366	231.544	206.845	186.413	171.533	172.573
116.5	672.558	629.823	510.429	362.270	236.851	212.004	190.679	176.147	177.087
117.0	675.949	633.318	514.629	367.222	242.259	217.361	196.335	180.859	181.800
117.5	678.944	636.514	518.578	372.075	247.766	222.471	202.684	185.373	186.264
118.0	681.940	639.958	522.577	377.028	253.024	227.828	207.743	190.136	190.928
118.5	684.784	643.156	526.776	381.880	258.480	233.088	211.217	194.649	195.541
119.0	687.830	646.253	530.677	386.833	263.888	238.247	215.086	199.511	200.304
119.5	690.877	649.846	534.675	391.686	269.295	243.356	219.848	204.174	204.767
120.0	693.771	653.095	538.625	396.490	274.802	248.564	224.710	208.936	209.729
120.5	696.716	656.243	542.574	401.194	280.160	253.873	229.621	213.650	214.293
121.0	699.661	659.340	546.574	406.096	285.368	259.032	234.482	218.462	218.957
121.5	702.657	662.588	550.425	410.849	290.825	264.141	239.343	224.166	223.619
122.0	705.106	665.736	554.375	415.752	296.232	269.301	244.404	230.665	228.381
122.5	708.152	668.286	558.175	420.506	301.539	274.411	249.265	236.220	233.193
123.0	711.148	671.535	562.075	425.259	306.898	279.670	254.227	239.892	237.955
123.5	714.143	674.582	566.027	429.963	312.305	284.779	259.187	244.307	242.866
124.0	716.643	677.284	569.976	434.667	317.563	289.988	264.198	250.062	249.465
124.5	719.639	680.381	573.774	439.471	322.971	295.247	269.159	254.923	258.047
125.0	722.240	683.579	577.726	444.223	328.229	300.257	274.219	258.197	263.552
125.5	724.688	686.231	581.625	448.978	333.636	305.465	279.180	261.671	266.133
126.0	727.634	689.378	585.278	453.532	338.894	310.624	284.190	266.283	267.026
126.5	730.082	692.131	589.175	458.187	344.152	315.685	289.101	271.046	271.193
127.0	732.683	695.279	593.325	462.841	349.510	320.943	294.062	275.859	275.955
127.5	735.234	697.930	596.878	467.347	354.818	326.053	299.073	280.621	280.767
128.0	737.683	700.632	600.329	472.050	360.027	331.311	304.133	285.432	285.678
128.5	740.233	703.780	604.429	476.705	365.435	336.570	308.944	290.295	290.490
129.0	742.783	706.482	607.982	481.260	370.792	341.679	314.154	295.254	295.401
129.5	742.752	709.134	611.534	485.865	376.100	346.838	319.263	300.067	300.312
130.0	745.353	711.785	615.634	490.470	381.358	351.997	324.323	304.878	305.224
130.5	746.911	714.437	619.136	495.124	386.617	357.256	329.383	309.690	310.184
131.0	749.360	716.542	622.689	499.629	391.974	362.415	334.293	314.553	315.045
131.5	749.977	718.849	626.242	504.184	397.381	367.524	339.304	319.513	319.957
132.0	753.863	721.005	629.794	508.690	402.689	372.634	344.463	324.424	325.017
132.5	756.464	723.110	633.347	513.196	408.097	377.843	349.473	329.335	329.926
133.0	757.577	724.921	636.900	517.602	413.454	382.952	354.682	334.147	334.840
133.5	760.026	726.580	640.453	522.156	418.664	388.162	359.692	339.703	339.751
134.0	763.568	729.779	643.955	526.762	423.922	393.371	364.852	344.565	344.812
134.5	764.630	731.934	647.012	531.267	429.230	398.430	369.961	349.526	349.672
135.0	767.130	735.133	650.564	535.873	434.537	403.738	374.970	354.536	354.882
135.5	770.227	736.741	654.117	539.882	439.846	408.947	380.131	359.597	359.693
136.0	771.238	738.947	657.518	544.488	445.104	414.156	385.141	364.408	364.754
136.5	774.730	741.154	660.676	548.942	450.313	419.165	390.201	369.419	369.563
137.0	774.800	743.755	663.682	553.497	455.622	424.423	395.310	374.331	374.825
137.5	777.694	746.457	667.286	557.607	460.781	429.685	400.221	379.239	379.785
138.0	778.756	748.116	669.198	562.010	465.987	434.741	405.228	384.149	384.440
138.5	781.803	751.314	671.810	566.069	470.998	439.850	410.340	389.360	389.752

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	783.513	752.529	675.362	570.574	476.157	444.811	415.350	394.271	394.812
139.5	784.919	754.633	677.872	574.532	481.368	450.020	420.361	399.282	399.823
140.0	786.477	756.890	680.980	578.541	486.477	454.981	425.222	404.193	404.785
140.5	789.078	759.147	682.548	582.995	491.637	460.141	430.382	409.353	410.143
141.0	790.586	761.303	685.109	586.953	496.896	465.152	435.491	414.611	415.401
141.5	792.640	762.071	688.662	591.407	502.104	470.212	440.502	419.770	420.511
142.0	793.803	764.824	691.172	595.415	507.065	475.271	445.510	424.929	425.670
142.5	795.361	766.980	694.279	599.373	512.025	480.232	450.471	429.839	430.829
143.0	797.811	768.588	696.789	603.433	516.986	485.292	455.432	434.800	435.938
143.5	799.915	769.802	699.350	607.492	522.442	490.450	460.590	440.058	441.098
144.0	798.993	771.563	702.407	611.551	527.454	495.510	465.550	445.216	446.256
144.5	801.696	773.820	704.967	615.560	532.465	500.272	470.611	450.325	451.415
145.0	804.195	775.530	707.032	619.173	537.425	505.233	475.571	455.286	456.773
145.5	804.316	777.240	710.585	623.233	542.386	510.244	480.531	460.395	461.733
146.0	805.823	778.353	712.599	626.847	546.901	515.204	485.392	465.356	466.843
146.5	808.576	780.610	715.210	629.418	551.861	520.165	490.303	470.414	471.952
147.0	809.689	781.722	717.720	632.981	556.822	525.125	495.412	475.423	477.110
147.5	811.794	784.030	719.836	635.603	561.337	530.187	500.323	480.483	482.070
148.0	811.813	784.252	722.396	638.670	566.298	535.097	505.283	485.543	487.279
148.5	811.985	785.466	723.965	642.729	570.813	539.562	510.295	490.602	492.340
149.0	813.492	787.723	726.526	646.292	575.824	544.077	515.204	495.562	497.498
149.5	814.261	786.953	728.094	648.914	580.288	549.088	520.165	500.374	502.459
150.0	814.725	789.108	730.655	653.024	584.753	554.048	525.125	505.334	507.916
150.5	816.334	790.322	733.762	656.142	589.217	558.563	530.086	510.791	512.876
151.0	816.404	791.536	734.389	659.756	593.732	563.028	534.601	515.700	518.282
151.5	818.064	791.809	737.446	662.823	598.247	567.988	539.562	520.712	523.293
152.0	818.184	792.578	738.569	666.437	602.762	572.503	544.522	525.621	528.699
152.5	817.758	793.792	740.685	669.058	607.227	576.968	549.533	530.582	533.710
153.0	817.879	794.014	742.800	672.672	611.246	581.483	553.947	535.046	538.671
153.5	819.488	795.278	744.369	675.790	613.777	585.947	558.958	540.503	543.631
154.0	818.616	796.047	745.492	679.404	618.737	590.958	563.423	545.413	549.138
154.5	819.729	796.320	746.514	682.026	622.210	594.927	568.383	550.373	554.149
155.0	820.791	797.038	748.528	684.648	625.236	599.492	572.898	554.838	559.059
155.5	820.467	796.865	749.944	687.816	628.759	603.906	577.859	559.798	564.071
156.0	819.048	797.633	750.865	690.387	633.224	608.472	582.374	564.759	568.980
156.5	820.161	798.453	751.887	693.556	636.747	610.952	586.838	569.668	573.445
157.0	820.677	798.179	753.405	696.228	640.766	615.467	591.303	574.133	578.456
157.5	818.398	798.502	754.427	698.303	644.238	619.436	596.314	579.093	583.416
158.0	818.548	797.337	755.600	700.925	647.761	623.404	600.778	584.054	588.377
158.5	817.221	797.660	756.278	703.101	651.730	626.431	604.746	588.518	592.841
159.0	815.853	797.984	757.452	705.723	655.253	630.399	607.723	592.983	597.802
159.5	817.169	798.256	758.130	708.395	658.229	634.864	613.726	597.943	602.266
160.0	815.548	797.982	758.858	710.521	662.248	638.387	616.206	602.408	607.227
160.5	814.383	797.657	760.083	712.201	665.275	642.406	620.721	606.872	611.742
161.0	814.797	797.727	760.811	714.378	667.755	645.878	624.194	610.345	616.652
161.5	813.835	795.914	761.985	716.504	671.723	649.847	627.221	614.809	620.620
162.0	813.176	795.144	760.780	718.680	674.204	653.370	631.685	619.273	622.503
162.5	811.313	793.929	762.500	719.368	678.223	657.389	635.157	622.746	626.866
163.0	810.785	794.748	762.287	722.040	680.754	661.357	640.169	626.218	630.683
163.5	809.863	793.138	762.571	723.174	684.226	664.384	643.641	630.683	635.096
164.0	810.136	793.117	763.299	724.854	686.706	667.360	647.113	634.651	639.014
164.5	808.526	791.557	763.086	725.988	689.733	670.833	651.628	639.166	644.369
165.0	806.966	791.486	763.369	727.668	692.710	674.801	655.597	642.638	648.338
165.5	804.414	788.934	763.207	729.298	695.736	677.332	658.573	646.111	651.810
166.0	804.394	787.972	762.943	730.978	698.217	680.308	662.096	650.575	656.669
166.5	803.279	786.959	763.277	732.659	700.201	683.831	666.014	654.544	661.134

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	802.064	785.946	762.618	732.405	702.732	686.312	670.033	658.067	665.102
167.5	799.907	784.042	762.456	733.640	704.767	689.288	672.513	662.582	668.574
168.0	796.464	782.584	762.293	734.875	707.247	692.315	676.532	666.550	672.593
168.5	795.947	781.419	762.131	736.161	709.727	695.291	680.551	670.569	676.511
169.0	792.950	779.707	760.977	735.412	712.258	698.267	682.981	673.545	679.933
169.5	791.441	777.854	760.814	737.092	713.696	700.252	686.949	678.010	682.859
170.0	789.932	775.950	760.156	737.385	715.184	703.279	689.976	680.986	686.827
170.5	788.474	775.089	758.556	738.175	716.722	705.759	692.507	684.509	690.350
171.0	785.426	773.287	758.940	738.519	717.715	708.239	695.038	687.981	693.377
171.5	783.026	771.485	756.794	738.863	720.245	709.778	698.065	691.555	697.345
172.0	781.720	769.237	756.733	739.653	722.280	712.258	701.041	693.539	700.220
172.5	779.371	767.039	755.133	739.500	723.718	714.738	704.017	697.508	704.138
173.0	776.080	765.237	753.634	739.399	724.761	717.218	706.994	700.484	706.072
173.5	774.328	762.989	753.178	740.290	725.702	718.211	709.474	702.964	709.595
174.0	772.475	761.237	751.184	740.189	726.198	720.691	711.458	705.991	713.016
174.5	769.579	758.048	749.787	740.087	727.737	723.171	713.888	708.967	714.504
175.0	766.683	755.851	748.389	739.045	729.225	724.659	715.872	711.397	717.430
175.5	763.838	753.755	747.043	740.037	730.167	725.601	718.403	713.928	719.414
176.0	763.078	751.710	745.747	739.986	731.209	727.636	720.832	716.459	723.433
176.5	758.948	748.774	744.501	739.541	731.655	728.628	723.859	718.990	724.972
177.0	756.801	746.931	742.365	739.541	731.756	730.116	724.355	721.419	727.452
177.5	753.612	744.147	741.768	738.549	732.697	730.612	726.836	723.404	728.890
178.0	750.625	742.456	740.725	738.549	733.193	732.100	728.273	726.431	732.909
178.5	747.446	739.378	739.237	738.053	733.193	733.588	729.761	728.364	735.338
179.0	745.310	738.336	737.253	738.053	733.689	734.084	732.292	730.348	736.331
179.5	743.275	736.402	736.261	737.061	733.689	735.076	733.284	731.887	740.350
180.0	735.562	735.562	735.562	735.562	735.562	735.562	735.562	735.562	735.562

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	273.09	N.A.	5.50
0-30	580.12	N.A.	11.70
0-40	951.61	N.A.	19.20
0-60	1723.59	N.A.	34.70
0-80	2308.4	N.A.	46.50
0-90	2492.1	N.A.	50.20
10-90	2421.55	N.A.	48.80
20-40	678.52	N.A.	13.70
20-50	1072.42	N.A.	21.60
40-70	1100.66	N.A.	22.20
60-80	584.81	N.A.	11.80
70-80	256.12	N.A.	5.20
80-90	183.70	N.A.	3.70
90-110	438.17	N.A.	8.80
90-120	764.54	N.A.	15.40
90-130	1139.95	N.A.	23.00
90-150	1898.98	N.A.	38.20
90-180	2472.66	N.A.	49.80
110-180	2034.49	N.A.	41.00
0-180	4964.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.55
10-20	202.55
20-30	307.03
30-40	371.49
40-50	393.90
50-60	378.08
60-70	328.69
70-80	256.12
80-90	183.70
90-100	183.43
100-110	254.74
110-120	326.37
120-130	375.41
130-140	390.89
140-150	368.14
150-160	303.75
160-170	200.17
170-180	69.76

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-827U-L25-827D-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-4-00-L25-827U-L25-827D-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	19.4	20.3	20.3	21.3	22.5	13.4	14.3	14.3	15.3	16.5
	3H	22.5	23.3	23.4	24.3	25.6	14.7	15.6	15.7	16.5	17.8
	4H	24.1	24.8	25.0	25.8	27.1	15.2	16.0	16.1	16.9	18.2
	6H	25.8	26.5	26.7	27.5	28.8	15.4	16.1	16.4	17.1	18.4
	8H	26.7	27.4	27.6	28.4	29.7	15.5	16.2	16.4	17.2	18.5
	12H	27.7	28.3	28.7	29.3	30.7	15.5	16.1	16.5	17.1	18.5

UGR Viewed Endwise

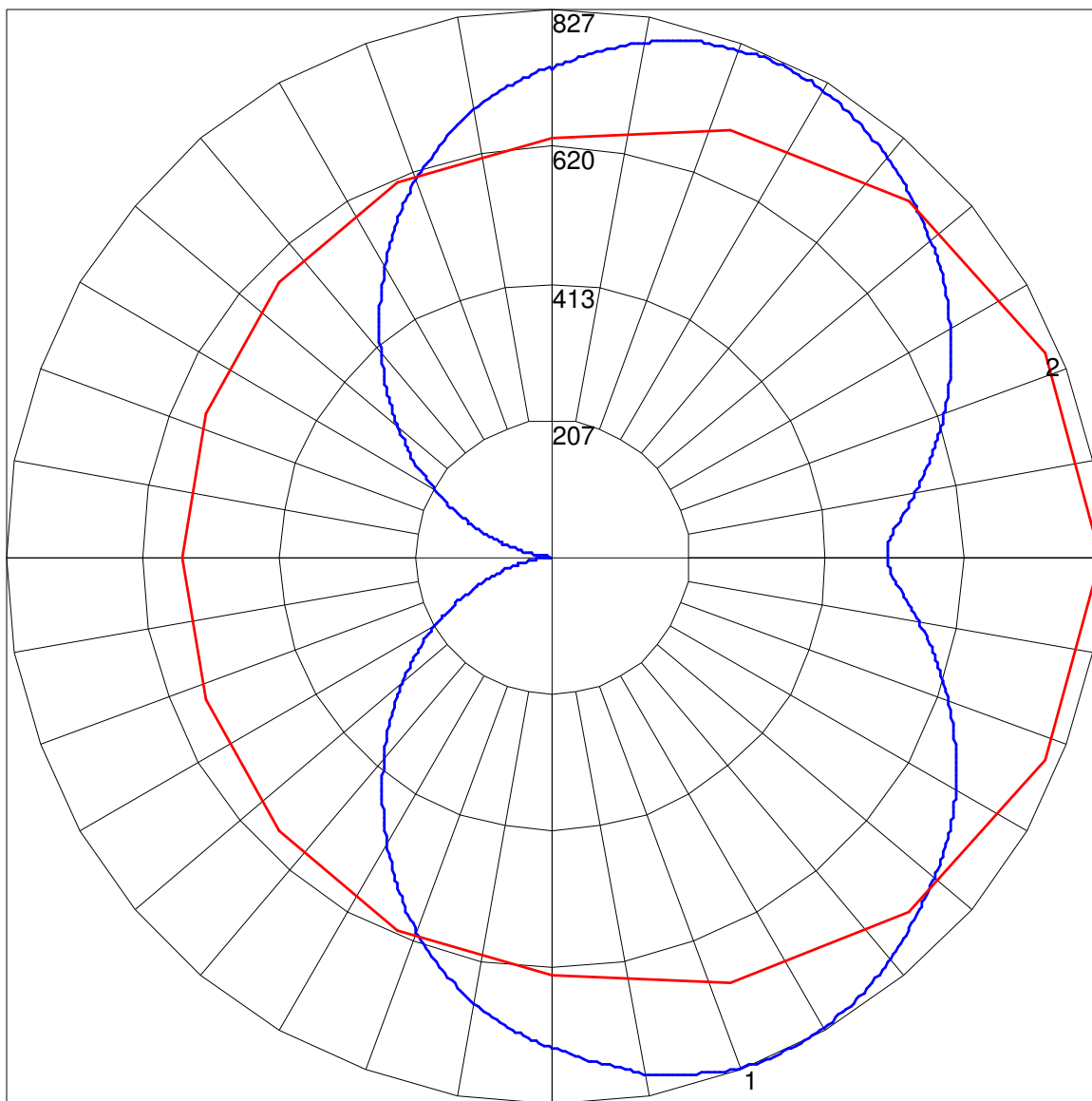
4H	2H	19.7	20.4	20.6	21.4	22.7	14.6	15.4	15.6	16.4	17.7
	3H	23.0	23.6	24.0	24.6	26.0	16.3	16.9	17.3	17.9	19.3
	4H	24.7	25.4	25.7	26.4	27.7	16.8	17.5	17.8	18.5	19.8
	6H	26.6	27.2	27.7	28.2	29.5	17.2	17.8	18.2	18.8	20.1
	8H	27.7	28.1	28.7	29.2	30.5	17.3	17.8	18.3	18.8	20.2
	12H	28.8	29.2	29.8	30.3	31.6	17.4	17.8	18.4	18.9	20.2

8H	4H	24.9	25.4	25.9	26.4	27.7	18.0	18.5	19.0	19.5	20.8
	6H	26.9	27.4	28.0	28.4	29.8	18.6	19.0	19.6	20.1	21.4
	8H	28.1	28.5	29.1	29.5	30.9	18.8	19.2	19.8	20.2	21.6
	12H	29.4	29.7	30.4	30.8	32.2	18.9	19.3	20.0	20.3	21.7

12H	4H	24.8	25.3	25.9	26.3	27.7	18.3	18.8	19.3	19.8	21.1
	6H	27.0	27.3	28.0	28.4	29.8	19.1	19.5	20.2	20.5	21.9
	8H	28.2	28.5	29.2	29.5	30.9	19.4	19.8	20.5	20.8	22.2

Maximum UGR = 32.2

POLAR GRAPH



Maximum Candela = 826.63 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.)