

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-927U-L25-927D-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-L25-927U-L25-927D-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	4095
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
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	8454	8006	7675
55	8404	7661	7040
65	8419	7395	6290
75	8565	7228	5190
85	9003	7393	3624

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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	612.795	612.795	612.795	612.795	612.795	612.795	612.795	612.795	612.795
0.5	613.656	614.679	613.540	615.874	611.697	614.875	610.747	610.715	610.773
1.0	615.327	616.136	615.792	616.373	611.320	613.957	608.994	608.962	609.061
1.5	617.538	618.093	616.455	617.708	611.320	612.246	608.077	606.832	606.137
2.0	619.413	620.509	617.954	617.831	610.861	610.952	606.406	605.121	604.425
2.5	622.124	622.172	619.952	618.371	610.443	610.116	604.735	603.868	602.795
3.0	623.918	624.669	621.532	618.494	610.026	609.281	603.482	601.361	600.666
3.5	626.293	626.872	622.695	619.911	610.026	607.569	601.394	599.650	599.413
4.0	629.421	629.075	624.693	620.034	609.149	605.898	600.558	597.561	596.489
4.5	630.838	630.900	626.273	619.779	608.732	605.480	598.470	595.472	593.942
5.0	631.624	633.185	627.641	621.155	607.896	603.392	595.963	593.343	591.476
5.5	634.539	635.052	628.091	621.319	606.643	601.303	594.710	591.255	590.223
6.0	636.496	636.542	629.294	621.065	605.767	600.845	593.039	589.543	587.676
6.5	638.077	639.367	630.539	620.852	604.972	599.215	590.869	586.578	585.211
7.0	639.657	641.152	631.366	620.934	604.514	597.880	588.780	584.031	582.246
7.5	641.270	642.642	632.233	620.761	602.384	595.791	586.274	581.942	579.322
8.0	644.373	643.714	633.306	619.672	601.131	593.703	584.186	579.395	576.398
8.5	647.122	645.286	634.378	620.294	600.713	592.449	582.056	576.889	573.515
9.0	650.880	646.939	635.327	619.622	598.625	590.320	579.509	573.506	570.591
9.5	652.738	648.380	635.900	619.827	597.331	587.814	577.003	570.959	569.755
10.0	654.809	650.615	636.432	619.237	596.078	586.102	574.914	568.453	565.160
10.5	656.840	651.933	637.382	618.606	593.989	584.054	572.367	565.488	563.113
11.0	658.076	652.874	637.955	617.598	593.113	581.925	569.402	563.399	560.189
11.5	659.189	654.355	638.110	616.591	590.606	579.419	566.937	560.017	556.429
12.0	659.884	655.419	638.682	616.418	588.936	578.125	564.390	557.093	553.129
12.5	662.292	657.318	638.878	615.411	587.641	574.742	561.466	554.169	550.205
13.0	663.650	658.341	639.156	614.403	585.971	572.654	558.501	550.786	546.109
13.5	664.714	659.699	639.434	613.813	583.047	570.147	555.954	547.404	543.685
14.0	666.736	660.559	639.753	612.846	581.753	566.765	552.194	544.062	540.048
14.5	668.135	661.459	639.154	611.380	579.664	564.676	549.229	540.720	536.330
15.0	668.159	661.900	639.350	610.413	576.699	562.129	546.305	537.378	532.611
15.5	669.027	662.382	639.292	608.529	574.193	559.582	542.923	533.619	530.523
16.0	669.395	663.282	638.816	606.981	572.063	556.658	540.376	530.277	525.469
16.5	671.195	664.183	639.593	606.432	569.975	553.734	537.034	527.353	522.963
17.0	673.168	663.829	639.535	604.548	567.886	550.351	534.069	523.553	520.498
17.5	673.478	665.188	639.018	602.206	564.922	548.222	530.269	521.006	516.280
18.0	674.664	664.835	638.502	601.239	561.997	544.004	526.509	517.246	513.356
18.5	676.268	665.358	637.862	599.437	559.033	541.497	524.798	515.158	509.555
19.0	675.866	665.881	637.722	598.134	556.526	538.115	521.456	511.399	505.796
19.5	677.756	665.946	636.665	596.455	553.562	535.568	517.656	507.639	501.578
20.0	678.688	665.675	636.525	594.235	551.055	532.226	515.985	503.880	497.819
20.5	678.958	666.198	635.091	592.433	548.508	528.843	512.184	500.079	493.601
21.0	679.186	665.886	634.534	589.959	544.749	525.502	508.425	496.320	489.841
21.5	679.873	666.073	633.517	588.697	542.202	523.790	505.083	492.143	485.664
22.0	680.764	665.925	632.542	587.058	538.860	519.613	501.283	488.384	481.446
22.5	681.279	665.776	631.526	584.920	535.477	516.607	497.483	484.624	477.687
23.0	680.917	666.005	630.550	582.741	532.512	512.430	493.723	480.447	473.469
23.5	681.014	665.561	629.952	579.727	528.753	510.759	489.923	476.270	469.292
24.0	681.488	665.494	628.559	578.129	526.247	507.377	486.123	472.470	464.697
24.5	681.757	665.346	627.583	575.696	522.446	503.617	482.363	468.333	460.937
25.0	681.191	665.238	625.773	573.935	521.193	499.776	478.563	464.115	456.719
25.5	680.207	664.295	624.797	571.797	518.228	496.017	474.804	459.938	452.125
26.0	680.476	664.065	623.404	568.406	515.304	492.216	470.586	456.179	448.324
26.5	679.951	662.999	622.052	565.809	511.504	488.457	466.785	452.002	443.688

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CANDELA TABULATION - (Cont.)

27.0	679.008	662.351	621.159	563.671	507.704	484.615	462.608	447.825	439.511
27.5	678.982	662.121	618.635	561.533	504.321	480.856	458.808	443.607	435.293
28.0	679.251	661.055	616.988	557.683	500.562	476.638	455.008	439.430	430.699
28.5	678.144	659.989	615.718	555.922	497.220	472.879	450.830	435.252	426.481
29.0	677.242	659.759	614.447	552.531	493.043	469.078	446.653	430.658	422.303
29.5	677.053	657.857	612.841	549.058	489.243	464.901	442.435	426.481	417.918
30.0	676.732	656.710	611.153	546.879	485.442	460.642	438.676	422.262	413.575
30.5	675.666	655.767	609.465	543.905	481.683	456.883	434.458	418.044	409.397
31.0	675.518	655.119	607.818	540.850	477.924	452.665	430.281	413.825	405.054
31.5	674.616	654.389	605.294	539.506	474.123	448.488	426.104	409.689	400.752
32.0	673.214	653.323	604.065	536.033	469.946	444.688	421.886	405.386	396.616
32.5	673.483	651.840	601.918	534.272	466.146	440.469	417.667	401.209	392.232
33.0	671.205	651.232	600.149	531.299	462.386	436.292	413.448	396.824	387.846
33.5	671.597	649.290	597.961	527.866	458.168	432.074	409.271	392.605	383.627
34.0	671.031	647.848	595.356	524.852	453.991	427.897	405.053	388.470	379.242
34.5	669.711	646.364	592.750	521.379	449.773	424.097	400.834	384.167	374.981
35.0	668.146	644.881	591.021	517.947	445.596	419.795	396.699	379.948	370.846
35.5	667.162	643.856	589.211	514.933	441.837	415.577	392.563	375.688	366.502
36.0	665.588	641.537	586.687	511.500	437.660	411.358	388.344	371.511	362.158
36.5	664.686	640.054	584.917	508.068	433.065	407.140	383.959	367.417	357.856
37.0	663.243	639.029	581.853	504.595	428.847	403.046	379.866	363.115	353.512
37.5	661.964	636.751	579.207	501.163	424.670	398.703	375.689	358.771	349.419
38.0	661.439	634.850	577.519	497.731	420.493	394.484	371.428	354.678	344.992
38.5	658.825	633.407	574.078	494.299	416.233	390.182	367.251	350.418	340.606
39.0	657.546	632.382	571.850	490.449	411.889	386.047	362.990	346.241	336.345
39.5	655.727	630.063	572.169	486.976	407.670	381.828	358.897	341.980	332.127
40.0	655.242	628.621	569.604	483.544	403.326	377.484	354.762	337.804	328.033
40.5	652.710	627.096	567.040	479.694	398.982	373.266	350.460	333.626	323.814
41.0	650.809	624.900	564.394	476.221	394.763	369.047	346.283	329.408	319.513
41.5	648.695	622.999	561.829	472.453	390.336	364.662	342.022	325.314	315.377
42.0	648.169	621.475	558.765	469.062	386.033	360.651	337.846	321.055	311.243
42.5	646.432	619.614	556.160	465.671	381.689	356.391	333.627	316.794	307.148
43.0	644.277	616.460	553.473	462.361	377.346	352.089	329.450	312.784	302.806
43.5	643.252	614.976	550.909	458.594	372.793	347.786	325.147	308.482	298.753
44.0	641.056	613.075	547.927	454.825	368.532	343.568	320.845	304.264	294.785
44.5	639.318	611.215	544.822	451.017	364.104	339.391	316.627	300.129	290.651
45.0	638.039	609.731	542.257	447.584	359.760	334.964	312.450	295.868	286.599
45.5	635.303	607.036	539.234	443.818	355.417	330.703	308.106	291.775	282.339
46.0	635.113	605.176	536.211	440.094	350.989	326.401	303.928	287.639	278.245
46.5	632.581	604.110	533.606	436.327	346.602	322.141	299.626	283.421	274.319
47.0	631.638	603.462	530.583	432.477	342.050	317.880	295.407	279.369	270.351
47.5	630.236	601.724	527.519	428.834	337.539	313.536	291.189	275.193	266.133
48.0	628.540	599.283	524.619	425.191	333.069	309.067	287.053	271.224	262.039
48.5	625.803	597.086	521.473	421.507	328.683	304.723	282.751	267.090	257.987
49.0	624.106	594.767	518.491	417.697	324.298	300.421	278.533	263.080	253.852
49.5	622.451	592.448	515.427	413.888	319.870	296.202	274.397	259.029	249.925
50.0	622.679	590.629	512.363	410.163	315.401	291.900	270.263	254.977	245.790
50.5	619.688	588.310	509.381	406.314	310.973	287.472	266.002	251.133	241.781
51.0	619.122	586.073	506.399	402.589	306.587	283.212	261.867	247.041	237.730
51.5	617.049	583.795	502.918	398.739	302.201	278.826	257.648	242.989	233.804
52.0	614.975	581.058	499.813	394.723	297.732	274.607	253.596	239.021	229.960
52.5	613.197	578.780	496.831	390.957	293.346	270.347	249.462	235.053	225.951
53.0	611.001	576.421	493.390	387.023	288.918	266.003	245.285	231.085	221.899
53.5	608.804	574.184	490.284	383.132	284.616	261.617	241.107	227.158	217.848
54.0	606.772	571.824	487.053	379.157	280.147	257.398	236.972	223.107	214.255
54.5	604.576	569.251	483.696	375.140	275.845	253.221	232.879	219.223	210.288

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CANDELA TABULATION - (Cont.)

55.0	602.461	566.891	480.507	371.250	271.459	248.878	228.744	215.213	206.277
55.5	600.306	564.154	477.358	367.191	267.114	244.493	224.651	211.244	202.434
56.0	598.192	561.876	474.085	363.259	262.687	240.273	220.599	207.443	198.383
56.5	596.159	559.140	470.686	359.158	258.300	235.971	216.381	203.350	194.666
57.0	594.004	556.903	467.331	355.099	253.873	231.751	212.453	199.591	190.989
57.5	591.431	554.207	464.097	351.041	249.528	227.367	208.444	195.540	186.938
58.0	589.153	551.429	460.783	346.858	245.018	223.106	204.309	191.738	183.053
58.5	587.120	548.734	457.386	342.800	240.590	218.887	200.341	187.854	179.127
59.0	584.965	546.120	453.863	338.616	236.078	214.627	196.372	183.927	175.409
59.5	582.433	543.302	450.587	334.433	231.525	210.325	192.446	180.126	171.608
60.0	579.697	540.565	447.065	330.375	227.056	205.981	188.519	176.283	167.765
60.5	577.205	537.869	443.792	326.317	222.628	201.721	184.510	172.482	163.922
61.0	575.050	535.131	440.394	322.342	218.242	197.418	180.500	168.639	160.121
61.5	572.436	532.394	436.996	318.242	213.773	193.241	176.490	164.796	156.278
62.0	569.405	529.490	433.431	314.058	209.386	188.940	172.647	160.954	152.602
62.5	566.832	526.627	430.073	309.959	204.875	184.721	168.637	157.069	148.718
63.0	564.259	523.889	426.718	305.859	200.530	180.377	164.628	153.268	145.000
63.5	561.686	520.860	423.320	301.759	196.103	176.074	160.701	149.508	141.157
64.0	559.154	517.914	419.755	297.659	191.675	171.981	156.732	145.623	137.565
64.5	556.163	515.010	416.400	293.560	187.290	167.720	152.681	141.822	134.098
65.0	553.298	512.107	412.710	289.293	182.862	163.543	148.629	138.063	130.213
65.5	550.394	509.036	409.311	285.068	178.393	159.282	144.744	134.261	126.537
66.0	547.570	505.881	405.871	280.969	174.048	155.022	140.692	130.544	122.945
66.5	544.912	502.853	402.224	276.828	169.704	150.762	136.809	126.701	119.353
67.0	541.921	499.823	398.825	272.687	165.359	146.585	133.006	123.025	115.885
67.5	539.015	496.793	395.177	268.420	161.014	142.491	129.122	119.307	112.251
68.0	536.150	493.640	391.613	264.196	156.462	138.439	125.196	115.631	108.534
68.5	533.117	490.485	388.091	260.013	152.076	134.179	121.270	111.956	104.858
69.0	530.463	487.373	384.400	255.914	147.774	130.127	117.385	108.280	101.475
69.5	527.472	484.344	380.960	251.856	143.471	125.950	113.708	104.687	97.966
70.0	524.647	481.188	377.272	247.798	139.127	121.898	109.908	101.095	94.456
70.5	521.739	477.993	373.706	243.699	134.826	117.763	106.148	97.419	90.823
71.0	518.916	474.838	370.100	239.476	130.480	113.753	102.389	93.952	87.314
71.5	516.049	471.683	366.329	235.419	126.387	109.743	98.714	90.485	83.847
72.0	512.937	468.322	362.805	231.487	122.125	105.733	95.037	87.018	80.672
72.5	509.986	465.250	359.200	227.472	117.573	101.765	91.403	83.677	77.121
73.0	506.916	462.012	355.677	223.581	113.479	97.880	87.853	80.168	73.779
73.5	503.924	458.692	352.114	219.565	109.261	94.121	84.260	76.743	70.354
74.0	500.974	455.496	348.426	215.551	105.124	90.320	80.710	73.484	67.097
74.5	497.778	452.136	344.861	211.578	101.115	86.561	77.243	70.184	64.048
75.0	494.746	448.940	341.132	207.728	97.063	82.801	73.818	66.926	60.748
75.5	491.632	445.620	337.570	203.715	93.094	79.125	70.392	63.585	57.614
76.0	488.476	442.424	334.173	199.784	89.125	75.533	66.925	60.452	54.565
76.5	485.317	439.063	330.527	196.059	85.157	71.982	63.500	57.194	51.558
77.0	482.120	435.910	326.965	192.087	81.313	68.432	60.325	54.144	48.758
77.5	478.922	432.591	323.403	188.404	77.387	64.923	57.026	51.053	45.834
78.0	475.809	429.397	319.965	184.641	73.711	61.414	53.809	48.088	42.994
78.5	472.444	426.080	316.568	181.083	69.993	57.989	50.635	45.163	40.154
79.0	469.289	422.678	313.090	177.320	66.400	54.689	47.502	42.239	37.272
79.5	466.092	419.485	309.693	173.681	62.766	51.431	44.452	39.315	34.640
80.0	462.814	416.250	306.258	170.085	59.173	48.255	41.486	36.558	31.966
80.5	459.534	412.975	302.820	166.696	55.706	45.081	38.562	33.801	29.377
81.0	456.462	409.823	299.634	163.307	52.363	41.990	35.722	31.128	26.703
81.5	453.307	406.422	296.324	159.920	49.105	39.023	32.922	28.496	24.114
82.0	450.111	403.271	293.137	156.532	45.889	36.099	30.124	25.906	21.692
82.5	447.246	400.413	289.994	153.268	42.672	33.301	27.534	23.524	19.393

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CANDELA TABULATION - (Cont.)

83.0	444.135	397.344	286.767	150.213	39.581	30.460	24.944	21.102	17.012
83.5	441.190	394.234	283.624	147.200	36.616	27.703	22.479	18.721	14.715
84.0	438.327	391.292	280.648	144.189	33.733	25.071	20.057	16.423	12.459
84.5	435.381	388.267	277.631	141.177	30.893	22.523	17.592	14.126	10.371
85.0	432.602	385.201	274.656	138.332	28.136	20.058	15.253	11.996	8.490
85.5	429.864	382.384	271.554	135.487	25.421	17.594	12.996	9.949	6.819
86.0	427.128	379.689	268.579	132.768	22.790	15.213	10.824	8.111	5.608
86.5	424.595	377.239	265.895	130.049	20.241	12.915	8.736	6.690	4.772
87.0	422.267	375.529	263.248	127.537	17.819	10.659	6.898	5.562	4.229
87.5	420.593	374.228	261.259	124.943	15.396	8.486	5.602	4.851	3.894
88.0	419.783	373.625	259.842	122.390	12.931	6.356	4.683	4.350	3.725
88.5	419.172	373.184	258.956	120.163	10.467	4.601	4.181	3.974	3.517
89.0	418.810	373.073	258.730	118.633	7.960	3.766	3.889	3.848	3.474
89.5	418.737	373.004	258.543	118.127	5.828	3.473	3.763	3.722	3.433
90.0	418.785	372.975	258.565	118.156	4.985	3.389	3.721	3.722	3.474
90.5	418.463	373.072	258.589	118.394	5.921	3.388	3.720	3.721	3.431
91.0	418.638	373.378	258.901	119.505	7.966	3.428	3.678	3.762	3.431
91.5	418.730	373.933	259.590	121.454	10.421	4.083	3.719	3.720	3.389
92.0	419.240	374.822	261.154	123.779	12.794	5.269	3.842	3.678	3.471
92.5	419.790	376.333	263.300	126.104	15.084	7.191	4.168	3.801	3.553
93.0	420.924	378.223	265.863	128.801	17.374	9.441	4.986	3.965	3.839
93.5	422.392	380.611	268.593	131.208	19.747	11.691	6.377	4.414	4.494
94.0	424.568	383.333	271.403	133.943	22.242	13.983	8.259	5.314	5.762
94.5	427.203	386.097	274.047	136.638	24.779	16.191	10.428	6.746	7.521
95.0	429.963	389.065	277.147	139.332	27.397	18.605	12.636	8.464	9.484
95.5	432.723	392.075	280.121	142.149	30.097	21.060	14.927	10.550	11.735
96.0	435.607	394.877	283.053	145.048	32.879	23.514	17.383	12.801	13.944
96.5	438.407	397.762	286.068	148.071	35.742	26.091	19.796	15.051	16.317
97.0	441.249	400.690	289.084	151.134	38.688	28.669	22.292	17.423	18.731
97.5	444.173	403.697	292.140	154.197	41.757	31.410	24.828	19.920	21.104
98.0	447.012	406.704	295.198	157.464	44.784	34.192	27.365	22.334	23.517
98.5	450.017	409.794	298.419	160.772	48.016	37.056	30.023	24.869	26.136
99.0	452.980	412.925	301.640	164.038	51.371	40.124	32.765	27.447	28.754
99.5	455.944	415.973	304.901	167.470	54.725	43.151	35.587	30.148	31.496
100.0	458.907	419.103	308.244	170.940	58.162	46.343	38.410	32.848	34.114
100.5	461.870	422.274	311.545	174.412	61.680	49.534	41.356	35.548	36.895
101.0	464.998	425.362	314.929	178.006	65.281	52.725	44.425	38.330	39.636
101.5	467.878	428.448	318.270	181.559	68.921	56.162	47.452	41.153	42.541
102.0	471.005	431.662	321.776	185.194	72.644	59.351	50.602	44.057	45.529
102.5	474.008	434.750	325.158	188.787	76.367	62.953	53.753	47.044	48.474
103.0	477.096	437.920	328.580	192.423	80.254	67.207	56.985	50.031	51.502
103.5	480.180	441.049	332.044	196.139	84.182	70.726	60.258	53.099	54.488
104.0	483.269	444.177	335.550	199.937	88.028	73.711	63.530	56.209	57.679
104.5	486.269	447.471	339.012	203.653	91.955	77.476	66.967	59.399	60.870
105.0	489.438	450.559	342.435	207.369	96.046	81.076	70.364	62.632	64.102
105.5	492.153	453.728	345.979	211.168	100.097	84.881	73.799	65.864	67.334
106.0	495.279	456.898	349.401	215.007	104.188	89.136	77.318	69.137	70.649
106.5	498.200	459.944	352.823	218.887	108.402	93.554	80.878	72.452	73.921
107.0	501.244	463.073	356.286	222.644	112.534	96.786	84.396	75.846	77.481
107.5	504.289	466.241	359.708	226.525	116.748	100.264	88.078	79.201	80.795
108.0	507.209	469.328	363.254	230.487	120.963	104.191	91.678	82.802	84.272
108.5	510.088	472.415	366.758	234.449	125.259	108.201	95.319	86.238	87.710
109.0	513.173	475.379	370.222	238.369	129.513	112.169	99.083	89.839	91.228
109.5	516.011	478.674	373.684	242.249	133.768	116.179	102.807	93.316	94.706
110.0	518.973	481.555	377.065	246.293	138.105	120.229	106.489	96.917	98.348
110.5	521.853	484.644	380.323	250.255	142.441	124.279	110.294	100.517	101.907

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CANDELA TABULATION - (Cont.)

111.0	524.773	487.526	383.744	254.217	146.819	128.371	114.099	104.159	105.548
111.5	527.614	490.531	387.209	258.262	151.196	132.463	117.862	107.841	109.025
112.0	530.329	493.538	390.588	262.264	155.574	136.595	121.749	111.523	112.543
112.5	533.250	496.503	394.051	266.348	160.075	140.808	125.676	115.164	116.144
113.0	535.882	499.468	397.474	270.351	164.412	145.022	129.522	118.805	119.826
113.5	538.762	502.392	400.854	274.517	168.789	149.278	133.490	122.569	123.590
114.0	541.518	505.191	404.234	278.520	173.289	153.451	137.542	126.292	127.272
114.5	544.233	508.073	407.615	282.563	177.626	157.746	142.368	130.138	130.954
115.0	546.784	510.998	410.996	286.648	182.045	162.002	147.523	133.943	134.719
115.5	549.379	513.880	414.335	290.692	186.505	166.339	151.205	137.666	138.360
116.0	552.175	516.557	417.758	294.735	190.964	170.594	153.742	141.471	142.328
116.5	554.687	519.441	420.973	298.779	195.341	174.848	157.261	145.275	146.051
117.0	557.484	522.325	424.436	302.863	199.802	179.267	161.925	149.162	149.939
117.5	559.954	524.960	427.693	306.866	204.343	183.481	167.162	152.885	153.620
118.0	562.425	527.800	430.991	310.951	208.679	187.900	171.334	156.813	157.466
118.5	564.770	530.438	434.454	314.953	213.179	192.237	174.200	160.535	161.271
119.0	567.283	532.992	437.671	319.038	217.640	196.492	177.391	164.546	165.199
119.5	569.795	535.956	440.969	323.040	222.099	200.706	181.318	168.391	168.880
120.0	572.182	538.635	444.226	327.002	226.641	205.002	185.328	172.319	172.972
120.5	574.611	541.231	447.484	330.881	231.060	209.380	189.378	176.206	176.736
121.0	577.040	543.785	450.783	334.925	235.355	213.635	193.387	180.174	180.583
121.5	579.511	546.465	453.959	338.844	239.855	217.849	197.396	184.879	184.428
122.0	581.530	549.061	457.217	342.889	244.315	222.104	201.570	190.239	188.356
122.5	584.043	551.164	460.351	346.809	248.692	226.318	205.579	194.821	192.324
123.0	586.514	553.843	463.567	350.729	253.112	230.655	209.672	197.849	196.252
123.5	588.984	556.356	466.826	354.609	257.571	234.869	213.763	201.490	200.302
124.0	591.046	558.585	470.083	358.488	261.907	239.165	217.895	206.237	205.744
124.5	593.516	561.139	473.216	362.450	266.368	243.502	221.987	210.246	212.822
125.0	595.661	563.777	476.475	366.370	270.704	247.635	226.160	212.946	217.363
125.5	597.681	565.963	479.691	370.291	275.164	251.930	230.252	215.811	219.491
126.0	600.110	568.559	482.704	374.047	279.500	256.185	234.384	219.615	220.227
126.5	602.130	570.830	485.918	377.886	283.837	260.359	238.434	223.543	223.664
127.0	604.275	573.426	489.340	381.725	288.256	264.695	242.525	227.512	227.591
127.5	606.378	575.612	492.270	385.441	292.634	268.909	246.658	231.440	231.561
128.0	608.398	577.841	495.117	389.320	296.929	273.246	250.832	235.408	235.611
128.5	610.501	580.437	498.498	393.158	301.389	277.583	254.799	239.418	239.579
129.0	612.605	582.666	501.428	396.915	305.808	281.797	259.096	243.508	243.630
129.5	612.579	584.853	504.358	400.713	310.185	286.052	263.310	247.478	247.680
130.0	614.724	587.039	507.739	404.511	314.522	290.307	267.483	251.446	251.731
130.5	616.009	589.226	510.628	408.350	318.859	294.644	271.656	255.415	255.822
131.0	618.029	590.962	513.558	412.065	323.278	298.899	275.706	259.425	259.831
131.5	618.537	592.865	516.488	415.822	327.737	303.113	279.839	263.516	263.882
132.0	621.743	594.643	519.418	419.538	332.115	307.327	284.093	267.566	268.055
132.5	623.888	596.379	522.348	423.254	336.575	311.623	288.225	271.616	272.104
133.0	624.806	597.873	525.278	426.888	340.993	315.837	292.521	275.586	276.157
133.5	626.825	599.242	528.208	430.644	345.290	320.134	296.653	280.168	280.207
134.0	629.747	601.879	531.097	434.443	349.626	324.429	300.909	284.177	284.381
134.5	630.623	603.657	533.618	438.158	354.004	328.602	305.123	288.269	288.389
135.0	632.684	606.295	536.548	441.957	358.381	332.980	309.254	292.401	292.687
135.5	635.239	607.622	539.478	445.263	362.760	337.276	313.510	296.575	296.654
136.0	636.073	609.441	542.283	449.062	367.096	341.572	317.642	300.542	300.828
136.5	638.953	611.261	544.888	452.735	371.392	345.703	321.815	304.675	304.795
137.0	639.010	613.406	547.367	456.492	375.770	350.040	326.029	308.726	309.134
137.5	641.397	615.634	550.339	459.882	380.026	354.379	330.079	312.775	313.225
138.0	642.273	617.003	551.916	463.514	384.319	358.549	334.209	316.824	317.064
138.5	644.786	619.641	554.070	466.861	388.452	362.763	338.424	321.122	321.445

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CANDELA TABULATION - (Cont.)

139.0	646.196	620.642	557.000	470.577	392.707	366.854	342.557	325.172	325.618
139.5	647.356	622.378	559.070	473.841	397.004	371.151	346.689	329.305	329.751
140.0	648.641	624.239	561.633	477.147	401.218	375.242	350.699	333.355	333.843
140.5	650.786	626.101	562.927	480.820	405.474	379.498	354.954	337.611	338.262
141.0	652.029	627.878	565.038	484.085	409.811	383.630	359.168	341.947	342.599
141.5	653.724	628.512	567.969	487.758	414.107	387.803	363.300	346.202	346.813
142.0	654.683	630.783	570.039	491.064	418.198	391.976	367.431	350.457	351.068
142.5	655.968	632.560	572.601	494.329	422.289	396.067	371.522	354.507	355.322
143.0	657.988	633.887	574.672	497.676	426.380	400.240	375.614	358.598	359.536
143.5	659.724	634.889	576.784	501.024	430.880	404.495	379.868	362.935	363.792
144.0	658.963	636.341	579.305	504.372	435.013	408.668	383.959	367.188	368.046
144.5	661.192	638.202	581.417	507.678	439.146	412.596	388.132	371.402	372.301
145.0	663.254	639.612	583.119	510.659	443.237	416.687	392.224	375.493	376.720
145.5	663.353	641.023	586.049	514.006	447.329	420.820	396.314	379.707	380.811
146.0	664.596	641.941	587.711	516.987	451.052	424.911	400.323	383.798	385.025
146.5	666.867	643.802	589.864	519.107	455.143	429.002	404.373	387.971	389.239
147.0	667.785	644.720	591.934	522.046	459.235	433.093	408.587	392.102	393.493
147.5	669.521	646.623	593.679	524.208	462.958	437.268	412.637	396.275	397.584
148.0	669.537	646.806	595.791	526.738	467.050	441.317	416.729	400.448	401.880
148.5	669.678	647.807	597.085	530.086	470.773	444.999	420.861	404.621	406.053
149.0	670.921	649.668	599.196	533.025	474.906	448.723	424.911	408.711	410.307
149.5	671.555	649.033	600.490	535.187	478.588	452.856	429.002	412.679	414.399
150.0	671.938	650.811	602.602	538.577	482.270	456.947	433.093	416.770	418.899
150.5	673.265	651.812	605.165	541.148	485.952	460.671	437.184	421.271	422.991
151.0	673.323	652.813	605.682	544.128	489.676	464.353	440.908	425.320	427.449
151.5	674.692	653.038	608.203	546.658	493.400	468.444	444.999	429.453	431.582
152.0	674.791	653.672	609.129	549.639	497.123	472.168	449.090	433.502	436.040
152.5	674.440	654.673	610.874	551.801	500.805	475.850	453.223	437.593	440.173
153.0	674.539	654.857	612.619	554.781	504.120	479.574	456.863	441.275	444.264
153.5	675.866	655.900	613.912	557.353	506.208	483.255	460.996	445.776	448.356
154.0	675.148	656.534	614.838	560.333	510.299	487.388	464.678	449.825	452.898
154.5	676.065	656.758	615.681	562.495	513.163	490.661	468.769	453.916	457.031
155.0	676.941	657.351	617.342	564.658	515.659	494.427	472.493	457.598	461.080
155.5	676.673	657.208	618.511	567.271	518.564	498.067	476.584	461.689	465.213
156.0	675.504	657.842	619.270	569.391	522.246	501.833	480.308	465.780	469.262
156.5	676.422	658.518	620.113	572.005	525.152	503.878	483.990	469.830	472.944
157.0	676.847	658.292	621.365	574.209	528.467	507.602	487.672	473.512	477.077
157.5	674.967	658.558	622.207	575.920	531.331	510.875	491.805	477.603	481.168
158.0	675.091	657.597	623.176	578.082	534.236	514.148	495.487	481.694	485.259
158.5	673.996	657.864	623.735	579.877	537.509	516.644	498.760	485.376	488.941
159.0	672.869	658.131	624.703	582.040	540.414	519.917	501.215	489.058	493.032
159.5	673.953	658.356	625.262	584.244	542.869	523.599	506.166	493.149	496.714
160.0	672.617	658.130	625.862	585.997	546.184	526.505	508.211	496.831	500.805
160.5	671.656	657.862	626.872	587.383	548.680	529.819	511.935	500.513	504.529
161.0	671.998	657.919	627.473	589.178	550.726	532.683	514.799	503.377	508.579
161.5	671.204	656.424	628.441	590.931	553.999	535.956	517.295	507.059	511.852
162.0	670.661	655.789	627.447	592.726	556.044	538.862	520.977	510.741	513.404
162.5	669.124	654.787	628.866	593.293	559.359	542.176	523.841	513.605	517.003
163.0	668.689	655.462	628.691	595.497	561.446	545.449	527.974	516.468	520.151
163.5	667.929	654.134	628.924	596.432	564.310	547.946	530.838	520.151	523.791
164.0	668.153	654.117	629.525	597.818	566.356	550.400	533.702	523.423	527.022
164.5	666.825	652.831	629.349	598.753	568.852	553.264	537.425	527.147	531.439
165.0	665.539	652.772	629.583	600.139	571.307	556.537	540.698	530.011	534.712
165.5	663.434	650.667	629.449	601.483	573.803	558.624	543.153	532.875	537.575
166.0	663.417	649.874	629.231	602.869	575.849	561.079	546.059	536.557	541.583
166.5	662.498	649.038	629.506	604.255	577.485	563.985	549.290	539.830	545.265

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167.0	661.496	648.203	628.963	604.046	579.573	566.030	552.604	542.735	548.538
167.5	659.717	646.633	628.830	605.064	581.251	568.485	554.650	546.459	551.402
168.0	656.878	645.430	628.696	606.083	583.296	570.981	557.965	549.732	554.716
168.5	656.451	644.469	628.562	607.143	585.342	573.436	561.279	553.047	557.947
169.0	653.980	643.058	627.610	606.525	587.429	575.891	563.283	555.501	560.769
169.5	652.735	641.529	627.476	607.911	588.615	577.527	566.556	559.183	563.182
170.0	651.490	639.959	626.933	608.153	589.842	580.024	569.052	561.638	566.455
170.5	650.288	639.249	625.613	608.804	591.111	582.069	571.140	564.544	569.361
171.0	647.774	637.762	625.930	609.088	591.930	584.115	573.227	567.407	571.857
171.5	645.795	636.276	624.160	609.371	594.017	585.384	575.723	570.355	575.130
172.0	644.717	634.422	624.109	610.023	595.695	587.429	578.178	571.991	577.501
172.5	642.780	632.610	622.790	609.897	596.881	589.475	580.633	575.264	580.732
173.0	640.066	631.123	621.554	609.814	597.741	591.520	583.088	577.719	582.327
173.5	638.621	629.269	621.178	610.548	598.517	592.339	585.133	579.764	585.233
174.0	637.093	627.825	619.533	610.465	598.926	594.384	586.770	582.261	588.055
174.5	634.705	625.194	618.381	610.381	600.195	596.430	588.773	584.715	589.282
175.0	632.316	623.382	617.228	609.521	601.423	597.657	590.410	586.719	591.695
175.5	629.970	621.654	616.118	610.340	602.199	598.434	592.497	588.807	593.331
176.0	629.343	619.967	615.049	610.298	603.059	600.112	594.501	590.894	596.646
176.5	625.936	617.545	614.022	609.931	603.427	600.930	596.997	592.981	597.915
177.0	624.166	616.025	612.260	609.931	603.510	602.157	597.407	594.985	599.961
177.5	621.536	613.729	611.767	609.112	604.287	602.567	599.452	596.621	601.146
178.0	619.072	612.335	610.907	609.112	604.696	603.794	600.638	599.118	604.461
178.5	616.451	609.797	609.680	608.703	604.696	605.021	601.865	600.713	606.465
179.0	614.689	608.937	608.043	608.703	605.105	605.430	603.952	602.349	607.283
179.5	613.010	607.342	607.225	607.885	605.105	606.249	604.770	603.618	610.598
180.0	606.649	606.649	606.649	606.649	606.649	606.649	606.649	606.649	606.649

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-927U-L25-927D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	225.23	N.A.	5.50
0-30	478.45	N.A.	11.70
0-40	784.84	N.A.	19.20
0-60	1421.52	N.A.	34.70
0-80	1903.83	N.A.	46.50
0-90	2055.34	N.A.	50.20
10-90	1997.15	N.A.	48.80
20-40	559.60	N.A.	13.70
20-50	884.47	N.A.	21.60
40-70	907.76	N.A.	22.20
60-80	482.32	N.A.	11.80
70-80	211.23	N.A.	5.20
80-90	151.51	N.A.	3.70
90-110	361.38	N.A.	8.80
90-120	630.55	N.A.	15.40
90-130	940.16	N.A.	23.00
90-150	1566.17	N.A.	38.20
90-180	2039.3	N.A.	49.80
110-180	1677.93	N.A.	41.00
0-180	4094.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.18
10-20	167.05
20-30	253.22
30-40	306.38
40-50	324.86
50-60	311.82
60-70	271.08
70-80	211.23
80-90	151.51
90-100	151.29
100-110	210.09
110-120	269.17
120-130	309.61
130-140	322.38
140-150	303.62
150-160	250.52
160-170	165.09
170-180	57.53

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-927U-L25-927D-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-L25-927U-L25-927D-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	18.7	19.6	19.6	20.6	21.8	12.7	13.6	13.6	14.6	15.8
	3H	21.8	22.6	22.7	23.6	24.9	14.0	14.9	15.0	15.8	17.1
	4H	23.4	24.1	24.3	25.1	26.4	14.5	15.3	15.4	16.2	17.5
	6H	25.1	25.8	26.0	26.8	28.1	14.7	15.4	15.7	16.4	17.7
	8H	26.0	26.7	27.0	27.7	29.0	14.8	15.5	15.7	16.5	17.8
	12H	27.0	27.6	28.0	28.6	30.0	14.8	15.4	15.8	16.4	17.8

UGR Viewed Endwise

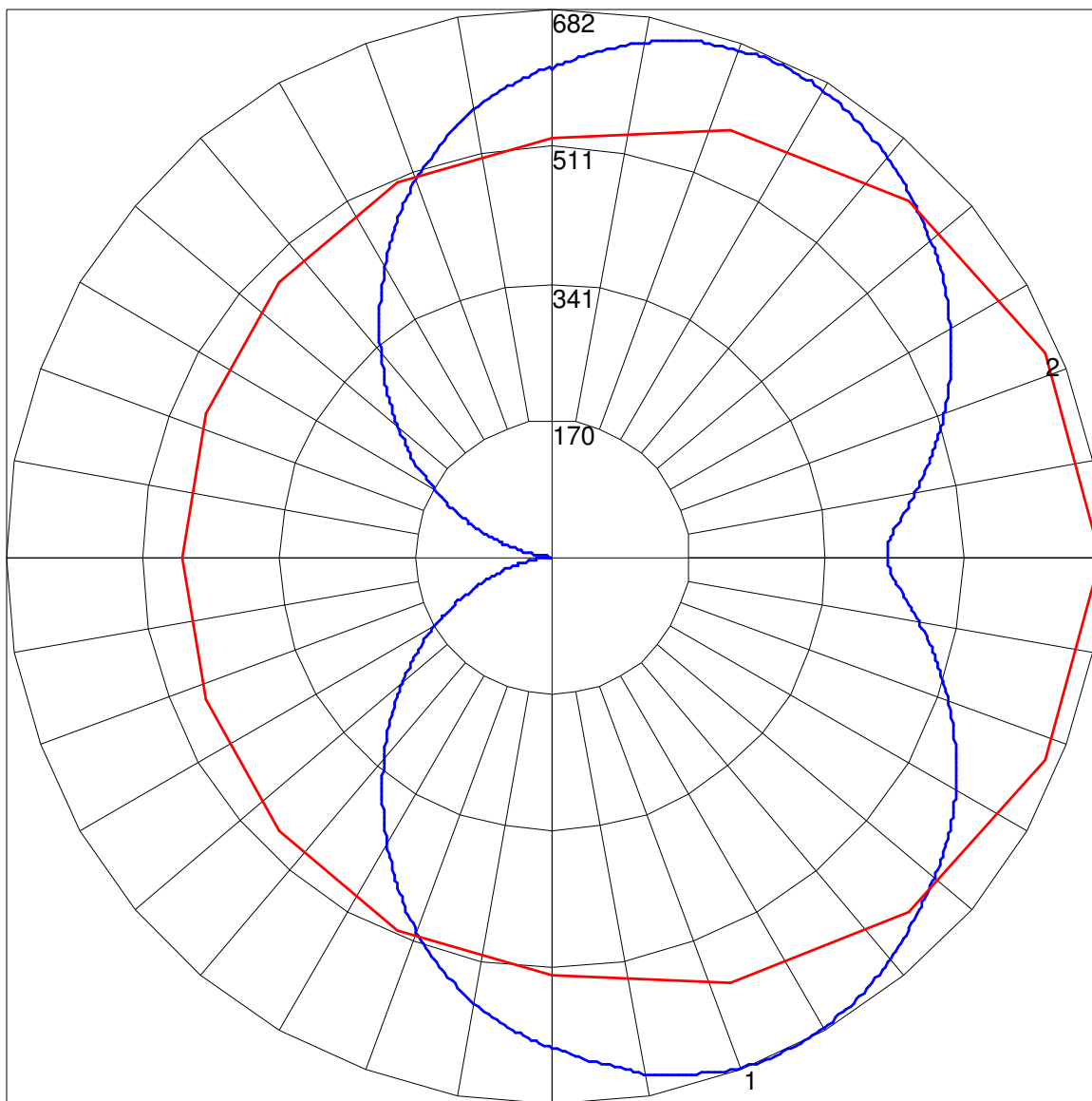
4H	2H	19.0	19.7	19.9	20.7	22.0	13.9	14.7	14.9	15.7	17.0
	3H	22.3	22.9	23.3	23.9	25.3	15.6	16.2	16.6	17.2	18.6
	4H	24.0	24.7	25.0	25.7	27.0	16.1	16.8	17.1	17.8	19.1
	6H	25.9	26.5	27.0	27.5	28.8	16.5	17.1	17.5	18.1	19.4
	8H	27.0	27.4	28.0	28.5	29.8	16.6	17.1	17.6	18.1	19.5
	12H	28.1	28.5	29.1	29.6	30.9	16.7	17.1	17.7	18.2	19.5

8H	4H	24.2	24.7	25.2	25.7	27.0	17.3	17.8	18.3	18.8	20.1
	6H	26.2	26.7	27.3	27.7	29.1	17.9	18.3	18.9	19.4	20.7
	8H	27.4	27.8	28.4	28.8	30.2	18.1	18.5	19.1	19.5	20.9
	12H	28.7	29.0	29.7	30.1	31.5	18.2	18.6	19.3	19.6	21.0

12H	4H	24.1	24.6	25.2	25.6	27.0	17.6	18.1	18.6	19.1	20.4
	6H	26.3	26.6	27.3	27.7	29.1	18.4	18.8	19.5	19.8	21.2
	8H	27.5	27.8	28.5	28.8	30.2	18.7	19.1	19.8	20.1	21.5

Maximum UGR = 31.5

POLAR GRAPH



Maximum Candela = 681.757 Located At Horizontal Angle = 0, Vertical Angle = 24.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)