

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-935U-L25-935D-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-L25-935U-L25-935D-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	4248
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
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	8771	8306	7963
55	8719	7948	7304
65	8734	7672	6526
75	8886	7499	5384
85	9341	7670	3760

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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	635.774	635.774	635.774	635.774	635.774	635.774	635.774	635.774	635.774
0.5	636.668	637.729	636.547	638.969	634.635	637.932	633.650	633.616	633.677
1.0	638.401	639.241	638.884	639.487	634.244	636.981	631.832	631.798	631.901
1.5	640.696	641.272	639.572	640.872	634.244	635.205	630.880	629.589	628.867
2.0	642.641	643.778	641.127	641.000	633.768	633.862	629.146	627.813	627.091
2.5	645.454	645.503	643.200	641.560	633.335	632.995	627.413	626.513	625.400
3.0	647.315	648.094	644.840	641.688	632.902	632.129	626.113	623.912	623.191
3.5	649.779	650.380	646.046	643.158	632.902	630.353	623.946	622.136	621.891
4.0	653.024	652.665	648.119	643.285	631.992	628.619	623.079	619.970	618.857
4.5	654.494	654.559	649.759	643.021	631.559	628.186	620.912	617.803	616.214
5.0	655.310	656.929	651.177	644.449	630.692	626.019	618.312	615.593	613.657
5.5	658.335	658.866	651.644	644.618	629.392	623.852	617.012	613.427	612.356
6.0	660.365	660.412	652.893	644.355	628.483	623.376	615.278	611.651	609.714
6.5	662.005	663.343	654.184	644.134	627.659	621.685	613.027	608.574	607.156
7.0	663.644	665.195	655.042	644.219	627.183	620.300	610.860	605.932	604.080
7.5	665.318	666.741	655.942	644.040	624.974	618.133	608.260	603.765	601.046
8.0	668.537	667.853	657.055	642.909	623.673	615.966	606.093	601.122	598.013
8.5	671.390	669.484	658.167	643.555	623.240	614.666	603.883	598.522	595.021
9.0	675.288	671.200	659.152	642.858	621.073	612.457	601.241	595.013	591.988
9.5	677.216	672.694	659.747	643.070	619.731	609.857	598.640	592.370	591.121
10.0	679.365	675.013	660.298	642.458	618.431	608.081	596.473	589.770	586.354
10.5	681.471	676.380	661.284	641.804	616.264	605.956	593.831	586.693	584.230
11.0	682.754	677.356	661.878	640.758	615.354	603.747	590.755	584.527	581.196
11.5	683.909	678.894	662.039	639.713	612.754	601.147	588.197	581.017	577.296
12.0	684.630	679.997	662.633	639.534	611.021	599.804	585.554	577.984	573.871
12.5	687.128	681.967	662.836	638.489	609.678	596.295	582.521	574.950	570.837
13.0	688.537	683.029	663.124	637.443	607.945	594.128	579.445	571.441	566.588
13.5	689.641	684.438	663.413	636.831	604.911	591.528	576.802	567.931	564.073
14.0	691.739	685.330	663.743	635.828	603.568	588.018	572.902	564.464	560.300
14.5	693.191	686.263	663.122	634.307	601.402	585.851	569.826	560.997	556.442
15.0	693.215	686.721	663.326	633.304	598.326	583.209	566.792	557.530	552.584
15.5	694.115	687.222	663.265	631.349	595.725	580.566	563.282	553.630	550.417
16.0	694.497	688.155	662.772	629.743	593.516	577.532	560.640	550.163	545.174
16.5	696.365	689.089	663.578	629.173	591.349	574.499	557.173	547.129	542.574
17.0	698.411	688.723	663.518	627.219	589.182	570.989	554.097	543.186	540.016
17.5	698.733	690.133	662.982	624.788	586.106	568.780	550.154	540.544	535.640
18.0	699.964	689.766	662.446	623.785	583.072	564.404	546.253	536.643	532.607
18.5	701.628	690.309	661.782	621.916	579.996	561.804	544.477	534.476	528.664
19.0	701.211	690.852	661.637	620.564	577.396	558.294	541.010	530.576	524.763
19.5	703.172	690.919	660.540	618.822	574.320	555.651	537.068	526.676	520.387
20.0	704.139	690.638	660.395	616.519	571.720	552.184	535.334	522.775	516.487
20.5	704.419	691.181	658.907	614.649	569.077	548.675	531.391	518.832	512.111
21.0	704.655	690.857	658.329	612.082	565.177	545.208	527.491	514.932	508.210
21.5	705.368	691.051	657.274	610.773	562.534	543.432	524.024	510.598	503.877
22.0	706.293	690.897	656.262	609.073	559.067	539.098	520.081	506.698	499.500
22.5	706.827	690.743	655.208	606.855	555.558	535.980	516.138	502.798	495.600
23.0	706.452	690.980	654.196	604.594	552.481	531.646	512.238	498.464	491.224
23.5	706.552	690.519	653.575	601.467	548.581	529.913	508.295	494.130	486.890
24.0	707.044	690.450	652.130	599.809	545.981	526.403	504.352	490.187	482.123
24.5	707.323	690.296	651.118	597.285	542.038	522.503	500.452	485.896	478.223
25.0	706.736	690.185	649.239	595.458	540.738	518.517	496.509	481.520	473.846
25.5	705.715	689.206	648.227	593.239	537.662	514.617	492.609	477.186	469.079
26.0	705.994	688.967	646.782	589.721	534.628	510.674	488.233	473.286	465.136
26.5	705.449	687.861	645.379	587.027	530.686	506.774	484.290	468.952	460.327

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27.0	704.471	687.189	644.452	584.809	526.743	502.789	479.956	464.618	455.993
27.5	704.444	686.950	641.834	582.591	523.233	498.888	476.013	460.242	451.617
28.0	704.723	685.844	640.125	578.596	519.333	494.512	472.070	455.908	446.850
28.5	703.575	684.739	638.807	576.769	515.866	490.612	467.737	451.574	442.474
29.0	702.639	684.500	637.489	573.251	511.532	486.669	463.403	446.807	438.140
29.5	702.442	682.527	635.823	569.647	507.589	482.335	459.027	442.474	433.589
30.0	702.110	681.337	634.071	567.387	503.646	477.916	455.126	438.097	429.084
30.5	701.004	680.358	632.320	564.302	499.746	474.016	450.750	433.720	424.749
31.0	700.850	679.686	630.611	561.132	495.846	469.640	446.416	429.343	420.243
31.5	699.914	678.928	627.993	559.738	491.903	465.306	442.083	425.053	415.780
32.0	698.460	677.823	626.717	556.135	487.569	461.363	437.706	420.588	411.489
32.5	698.739	676.284	624.490	554.307	483.626	456.987	433.329	416.254	406.940
33.0	696.375	675.654	622.654	551.222	479.726	452.653	428.952	411.705	402.390
33.5	696.782	673.639	620.384	547.662	475.350	448.277	424.618	407.328	398.013
34.0	696.195	672.142	617.682	544.534	471.016	443.943	420.242	403.037	393.463
34.5	694.825	670.603	614.979	540.931	466.640	440.001	415.865	398.574	389.043
35.0	693.201	669.064	613.185	537.370	462.306	435.537	411.575	394.197	384.752
35.5	692.180	668.001	611.306	534.242	458.406	431.161	407.284	389.776	380.245
36.0	690.547	665.595	608.688	530.682	454.072	426.784	402.907	385.442	375.739
36.5	689.611	664.056	606.852	527.121	449.305	422.407	398.358	381.195	371.275
37.0	688.115	662.992	603.673	523.518	444.929	418.160	394.111	376.732	366.768
37.5	686.788	660.629	600.928	519.957	440.595	413.654	389.777	372.225	362.522
38.0	686.243	658.656	599.176	516.396	436.261	409.277	385.356	367.978	357.929
38.5	683.531	657.160	595.606	512.835	431.842	404.813	381.023	363.559	353.379
39.0	682.204	656.096	593.294	508.841	427.334	400.524	376.602	359.225	348.958
39.5	680.317	653.691	593.625	505.238	422.957	396.147	372.355	354.805	344.581
40.0	679.814	652.194	590.965	501.677	418.450	391.640	368.066	350.472	340.334
40.5	677.187	650.612	588.304	497.683	413.944	387.263	363.602	346.137	335.957
41.0	675.214	648.334	585.558	494.080	409.567	382.886	359.268	341.761	331.495
41.5	673.021	646.361	582.898	490.170	404.973	378.337	354.848	337.514	327.204
42.0	672.476	644.780	579.719	486.652	400.510	374.175	350.515	333.094	322.914
42.5	670.673	642.850	577.016	483.134	396.002	369.756	346.138	328.674	318.666
43.0	668.437	639.577	574.228	479.700	391.496	365.292	341.804	324.513	314.161
43.5	667.374	638.038	571.568	475.791	386.772	360.828	337.340	320.050	309.956
44.0	665.095	636.066	568.474	471.882	382.352	356.452	332.877	315.673	305.839
44.5	663.293	634.135	565.253	467.930	377.758	352.118	328.500	311.384	301.550
45.0	661.966	632.596	562.592	464.369	373.251	347.526	324.167	306.964	297.346
45.5	659.126	629.800	559.456	460.461	368.745	343.104	319.660	302.716	292.927
46.0	658.930	627.870	556.319	456.597	364.151	338.640	315.326	298.426	288.680
46.5	656.303	626.764	553.616	452.689	359.600	334.221	310.862	294.050	284.606
47.0	655.324	626.091	550.480	448.695	354.877	329.800	306.485	289.845	280.490
47.5	653.870	624.289	547.301	444.915	350.196	325.293	302.109	285.512	276.113
48.0	652.110	621.755	544.292	441.136	345.559	320.657	297.817	281.395	271.865
48.5	649.271	619.477	541.029	437.313	341.009	316.150	293.355	277.106	267.662
49.0	647.510	617.071	537.935	433.361	336.459	311.686	288.978	272.945	263.371
49.5	645.793	614.665	534.756	429.409	331.866	307.309	284.687	268.743	259.298
50.0	646.029	612.778	531.577	425.544	327.228	302.846	280.398	264.539	255.007
50.5	642.927	610.372	528.483	421.551	322.635	298.253	275.977	260.551	250.848
51.0	642.339	608.051	525.389	417.687	318.084	293.832	271.687	256.305	246.645
51.5	640.188	605.687	521.777	413.692	313.534	289.282	267.310	252.101	242.571
52.0	638.037	602.848	518.556	409.525	308.897	284.905	263.106	247.985	238.584
52.5	636.192	600.485	515.462	405.617	304.346	280.485	258.816	243.868	234.424
53.0	633.913	598.037	511.892	401.536	299.752	275.978	254.483	239.751	230.220
53.5	631.635	595.716	508.670	397.500	295.289	271.428	250.149	235.677	226.017
54.0	629.526	593.267	505.318	393.376	290.652	267.050	245.858	231.473	222.289
54.5	627.247	590.598	501.835	389.208	286.189	262.717	241.612	227.444	218.174

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CANDELA TABULATION - (Cont.)

55.0	625.054	588.149	498.526	385.171	281.638	258.211	237.322	223.283	214.013
55.5	622.818	585.310	495.259	380.961	277.131	253.661	233.076	219.166	210.026
56.0	620.624	582.947	491.863	376.881	272.538	249.283	228.871	215.222	205.823
56.5	618.515	580.107	488.337	372.626	267.986	244.820	224.495	210.975	201.966
57.0	616.279	577.787	484.856	368.416	263.393	240.442	220.420	207.076	198.151
57.5	613.610	574.990	481.501	364.206	258.885	235.894	216.261	202.872	193.948
58.0	611.246	572.108	478.062	359.865	254.206	231.472	211.970	198.929	189.918
58.5	609.138	569.311	474.538	355.655	249.612	227.095	207.853	194.898	185.844
59.0	606.901	566.599	470.883	351.314	244.931	222.676	203.736	190.824	181.987
59.5	604.274	563.675	467.485	346.974	240.208	218.212	199.662	186.881	178.043
60.0	601.435	560.836	463.830	342.764	235.571	213.706	195.589	182.894	174.056
60.5	598.851	558.039	460.434	338.554	230.977	209.285	191.429	178.950	170.069
61.0	596.615	555.198	456.909	334.430	226.426	204.821	187.269	174.963	166.126
61.5	593.903	552.359	453.383	330.176	221.789	200.488	183.108	170.976	162.138
62.0	590.757	549.346	449.685	325.836	217.238	196.025	179.121	166.990	158.325
62.5	588.088	546.375	446.201	321.582	212.558	191.648	174.961	162.959	154.294
63.0	585.418	543.534	442.720	317.329	208.050	187.141	170.802	159.016	150.437
63.5	582.749	540.392	439.195	313.075	203.457	182.677	166.727	155.114	146.450
64.0	580.122	537.336	435.496	308.821	198.863	178.430	162.610	151.084	142.724
64.5	577.019	534.323	432.015	304.568	194.313	174.009	158.406	147.140	139.126
65.0	574.047	531.311	428.187	300.141	189.720	169.676	154.202	143.240	135.096
65.5	571.034	528.125	424.660	295.758	185.082	165.255	150.172	139.296	131.282
66.0	568.104	524.851	421.091	291.506	180.574	160.836	145.968	135.439	127.555
66.5	565.346	521.710	417.308	287.209	176.068	156.415	141.939	131.452	123.828
67.0	562.244	518.566	413.781	282.912	171.560	152.082	137.994	127.638	120.231
67.5	559.228	515.423	409.996	278.486	167.052	147.834	133.964	123.781	116.461
68.0	556.255	512.152	406.299	274.103	162.329	143.631	129.891	119.968	112.604
68.5	553.109	508.878	402.644	269.763	157.779	139.210	125.817	116.154	108.790
69.0	550.355	505.650	398.815	265.511	153.315	135.007	121.787	112.340	105.280
69.5	547.252	502.507	395.246	261.301	148.851	130.673	117.972	108.613	101.639
70.0	544.322	499.233	391.419	257.091	144.344	126.469	114.029	104.886	97.998
70.5	541.305	495.918	387.720	252.838	139.881	122.180	110.129	101.073	94.229
71.0	538.375	492.644	383.979	248.457	135.373	118.019	106.229	97.475	90.588
71.5	535.401	489.371	380.066	244.248	131.126	113.859	102.416	93.878	86.991
72.0	532.172	485.884	376.411	240.168	126.705	109.698	98.601	90.281	83.697
72.5	529.111	482.696	372.670	236.002	121.982	105.581	94.831	86.814	80.013
73.0	525.925	479.338	369.015	231.965	117.734	101.551	91.147	83.174	76.546
73.5	522.821	475.893	365.319	227.799	113.358	97.651	87.420	79.620	72.992
74.0	519.761	472.577	361.492	223.634	109.067	93.707	83.737	76.239	69.613
74.5	516.445	469.091	357.793	219.512	104.906	89.806	80.140	72.816	66.449
75.0	513.299	465.775	353.925	215.518	100.703	85.906	76.586	69.436	63.026
75.5	510.068	462.330	350.229	211.354	96.585	82.092	73.031	65.969	59.775
76.0	506.794	459.015	346.704	207.276	92.468	78.365	69.435	62.719	56.611
76.5	503.516	455.528	342.922	203.411	88.350	74.682	65.882	59.339	53.492
77.0	500.199	452.257	339.226	199.290	84.362	70.998	62.587	56.175	50.587
77.5	496.882	448.813	335.531	195.470	80.289	67.358	59.164	52.968	47.553
78.0	493.651	445.499	331.964	191.565	76.475	63.717	55.827	49.891	44.606
78.5	490.160	442.058	328.439	187.874	72.618	60.164	52.534	46.856	41.659
79.0	486.888	438.529	324.830	183.970	68.890	56.740	49.283	43.823	38.669
79.5	483.570	435.216	321.307	180.194	65.120	53.360	46.119	40.789	35.939
80.0	480.169	431.859	317.742	176.464	61.392	50.065	43.042	37.929	33.165
80.5	476.767	428.462	314.176	172.947	57.795	46.772	40.008	35.069	30.478
81.0	473.580	425.192	310.870	169.431	54.327	43.565	37.061	32.295	27.705
81.5	470.306	421.663	307.436	165.917	50.947	40.487	34.157	29.565	25.018
82.0	466.990	418.394	304.130	162.402	47.610	37.453	31.254	26.878	22.505
82.5	464.017	415.428	300.869	159.016	44.273	34.549	28.566	24.407	20.120

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CANDELA TABULATION - (Cont.)

83.0	460.790	412.245	297.521	155.846	41.066	31.602	25.879	21.893	17.651
83.5	457.735	409.018	294.260	152.720	37.989	28.741	23.322	19.423	15.267
84.0	454.765	405.966	291.172	149.596	34.998	26.011	20.809	17.039	12.926
84.5	451.708	402.828	288.042	146.471	32.051	23.367	18.252	14.656	10.760
85.0	448.825	399.646	284.955	143.520	29.191	20.811	15.825	12.445	8.809
85.5	445.983	396.723	281.738	140.568	26.374	18.254	13.484	10.322	7.075
86.0	443.145	393.927	278.651	137.747	23.644	15.783	11.230	8.415	5.819
86.5	440.517	391.386	275.866	134.925	21.000	13.399	9.063	6.941	4.951
87.0	438.102	389.611	273.119	132.320	18.487	11.059	7.157	5.771	4.387
87.5	436.365	388.262	271.057	129.628	15.973	8.804	5.812	5.033	4.040
88.0	435.524	387.636	269.586	126.980	13.416	6.594	4.859	4.513	3.865
88.5	434.891	387.178	268.667	124.669	10.860	4.774	4.338	4.123	3.649
89.0	434.516	387.064	268.432	123.082	8.258	3.907	4.035	3.992	3.605
89.5	434.440	386.991	268.239	122.556	6.046	3.603	3.905	3.862	3.561
90.0	434.490	386.962	268.261	122.587	5.172	3.516	3.860	3.861	3.604
90.5	434.156	387.063	268.286	122.833	6.143	3.515	3.859	3.860	3.560
91.0	434.337	387.380	268.610	123.987	8.265	3.557	3.816	3.903	3.560
91.5	434.433	387.956	269.324	126.008	10.812	4.236	3.858	3.859	3.516
92.0	434.961	388.877	270.947	128.421	13.273	5.466	3.986	3.816	3.601
92.5	435.532	390.446	273.174	130.833	15.649	7.461	4.324	3.943	3.686
93.0	436.708	392.407	275.833	133.631	18.025	9.796	5.173	4.113	3.983
93.5	438.231	394.884	278.665	136.128	20.487	12.130	6.617	4.579	4.662
94.0	440.490	397.708	281.581	138.966	23.076	14.507	8.569	5.513	5.978
94.5	443.224	400.575	284.324	141.762	25.708	16.798	10.819	6.999	7.803
95.0	446.087	403.655	287.539	144.557	28.425	19.302	13.110	8.781	9.840
95.5	448.950	406.778	290.626	147.480	31.226	21.850	15.487	10.946	12.175
96.0	451.942	409.685	293.667	150.487	34.112	24.396	18.034	13.281	14.467
96.5	454.848	412.678	296.796	153.624	37.083	27.070	20.539	15.615	16.929
97.0	457.796	415.716	299.924	156.802	40.139	29.744	23.128	18.077	19.433
97.5	460.829	418.835	303.095	159.979	43.323	32.588	25.759	20.667	21.895
98.0	463.775	421.956	306.268	163.368	46.463	35.474	28.391	23.171	24.398
98.5	466.892	425.161	309.610	166.801	49.817	38.445	31.149	25.802	27.116
99.0	469.967	428.410	312.951	170.190	53.298	41.629	33.994	28.476	29.832
99.5	473.042	431.572	316.334	173.750	56.777	44.770	36.922	31.278	32.677
100.0	476.116	434.820	319.803	177.351	60.343	48.080	39.850	34.080	35.393
100.5	479.190	438.109	323.228	180.952	63.993	51.391	42.907	36.881	38.279
101.0	482.435	441.313	326.739	184.681	67.729	54.702	46.091	39.767	41.123
101.5	485.424	444.515	330.205	188.368	71.506	58.268	49.232	42.696	44.136
102.0	488.667	447.850	333.842	192.139	75.368	61.577	52.500	45.710	47.236
102.5	491.783	451.053	337.351	195.867	79.231	65.313	55.768	48.808	50.292
103.0	494.987	454.342	340.902	199.638	83.264	69.728	59.121	51.907	53.433
103.5	498.187	457.589	344.496	203.494	87.339	73.378	62.517	55.090	56.532
104.0	501.391	460.834	348.133	207.435	91.329	76.475	65.913	58.317	59.842
104.5	504.505	464.251	351.725	211.290	95.403	80.381	69.478	61.627	63.153
105.0	507.792	467.455	355.276	215.146	99.648	84.117	73.002	64.981	66.506
105.5	510.609	470.743	358.953	219.087	103.851	88.064	76.567	68.334	69.859
106.0	513.851	474.032	362.504	223.070	108.095	92.478	80.218	71.730	73.298
106.5	516.883	477.192	366.054	227.096	112.467	97.062	83.911	75.169	76.693
107.0	520.041	480.438	369.647	230.994	116.754	100.416	87.561	78.691	80.387
107.5	523.199	483.725	373.197	235.020	121.126	104.023	91.381	82.171	83.825
108.0	526.230	486.928	376.876	239.130	125.499	108.098	95.116	85.907	87.433
108.5	529.216	490.131	380.511	243.241	129.956	112.259	98.894	89.472	90.999
109.0	532.417	493.206	384.105	247.308	134.370	116.375	102.799	93.208	94.649
109.5	535.362	496.625	387.697	251.333	138.785	120.536	106.662	96.816	98.257
110.0	538.434	499.613	391.205	255.529	143.284	124.738	110.482	100.551	102.036
110.5	541.422	502.818	394.585	259.639	147.783	128.940	114.430	104.286	105.728

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-935U-L25-935D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	544.452	505.808	398.134	263.750	152.325	133.185	118.377	108.065	109.506
111.5	547.399	508.926	401.729	267.946	156.866	137.430	122.282	111.885	113.114
112.0	550.217	512.045	405.235	272.099	161.408	141.717	126.314	115.705	116.763
112.5	553.247	515.122	408.829	276.336	166.078	146.089	130.389	119.483	120.499
113.0	555.977	518.198	412.380	280.489	170.577	150.461	134.379	123.260	124.320
113.5	558.966	521.232	415.886	284.812	175.119	154.876	138.496	127.165	128.225
114.0	561.824	524.135	419.392	288.964	179.788	159.205	142.699	131.028	132.045
114.5	564.642	527.126	422.900	293.159	184.287	163.662	147.707	135.018	135.865
115.0	567.289	530.160	426.408	297.398	188.872	168.077	153.055	138.966	139.770
115.5	569.980	533.151	429.873	301.593	193.499	172.576	156.875	142.828	143.548
116.0	572.881	535.928	433.424	305.788	198.125	176.991	159.508	146.776	147.665
116.5	575.488	538.920	436.759	309.983	202.667	181.405	163.158	150.723	151.528
117.0	578.389	541.912	440.353	314.221	207.294	185.989	167.998	154.756	155.561
117.5	580.953	544.646	443.731	318.373	212.006	190.362	173.431	158.618	159.380
118.0	583.516	547.593	447.153	322.612	216.505	194.946	177.759	162.694	163.371
118.5	585.949	550.330	450.746	326.763	221.174	199.446	180.732	166.555	167.319
119.0	588.556	552.979	454.084	331.002	225.801	203.861	184.043	170.716	171.394
119.5	591.162	556.054	457.505	335.154	230.428	208.232	188.118	174.706	175.213
120.0	593.639	558.834	460.885	339.264	235.140	212.689	192.277	178.781	179.459
120.5	596.159	561.527	464.264	343.289	239.724	217.232	196.479	182.814	183.364
121.0	598.679	564.177	467.687	347.484	244.181	221.646	200.639	186.931	187.355
121.5	601.242	566.957	470.982	351.551	248.850	226.018	204.799	191.812	191.344
122.0	603.338	569.650	474.363	355.747	253.476	230.433	209.129	197.374	195.419
122.5	605.944	571.833	477.614	359.815	258.018	234.805	213.289	202.126	199.536
123.0	608.508	574.613	480.951	363.881	262.603	239.305	217.534	205.268	203.611
123.5	611.071	577.219	484.332	367.906	267.230	243.677	221.779	209.046	207.813
124.0	613.210	579.532	487.711	371.932	271.729	248.134	226.067	213.970	213.459
124.5	615.773	582.182	490.962	376.042	276.356	252.634	230.311	218.130	220.803
125.0	617.999	584.918	494.343	380.108	280.856	256.921	234.641	220.932	225.514
125.5	620.094	587.187	497.679	384.177	285.482	261.378	238.886	223.904	227.722
126.0	622.614	589.880	500.805	388.074	289.981	265.792	243.173	227.850	228.486
126.5	624.710	592.236	504.139	392.057	294.481	270.122	247.375	231.926	232.051
127.0	626.935	594.929	507.690	396.039	299.066	274.622	251.620	236.044	236.126
127.5	629.117	597.198	510.731	399.895	303.607	278.993	255.907	240.119	240.244
128.0	631.213	599.510	513.684	403.919	308.064	283.493	260.238	244.236	244.446
128.5	633.395	602.203	517.192	407.902	312.692	287.993	264.354	248.397	248.564
129.0	635.577	604.516	520.232	411.800	317.276	292.365	268.812	252.640	252.766
129.5	635.551	606.785	523.272	415.740	321.817	296.779	273.184	256.758	256.968
130.0	637.776	609.053	526.779	419.680	326.317	301.193	277.513	260.875	261.171
130.5	639.109	611.322	529.776	423.663	330.817	305.693	281.844	264.993	265.415
131.0	641.205	613.123	532.816	427.517	335.401	310.108	286.045	269.153	269.575
131.5	641.733	615.098	535.856	431.415	340.027	314.480	290.333	273.398	273.778
132.0	645.058	616.942	538.896	435.271	344.569	318.851	294.747	277.600	278.107
132.5	647.284	618.743	541.936	439.126	349.196	323.309	299.034	281.802	282.308
133.0	648.236	620.293	544.976	442.897	353.781	327.681	303.491	285.920	286.512
133.5	650.331	621.713	548.016	446.794	358.238	332.139	307.778	290.674	290.715
134.0	653.362	624.450	551.013	450.735	362.737	336.595	312.193	294.834	295.045
134.5	654.271	626.294	553.629	454.589	367.279	340.925	316.565	299.079	299.204
135.0	656.410	629.031	556.668	458.531	371.821	345.466	320.851	303.366	303.662
135.5	659.060	630.408	559.708	461.961	376.363	349.923	325.267	307.696	307.779
136.0	659.926	632.295	562.619	465.902	380.863	354.381	329.554	311.813	312.109
136.5	662.913	634.183	565.321	469.713	385.319	358.667	333.883	316.101	316.224
137.0	662.973	636.409	567.893	473.611	389.862	363.166	338.255	320.303	320.726
137.5	665.450	638.721	570.976	477.127	394.277	367.668	342.457	324.504	324.971
138.0	666.359	640.141	572.613	480.895	398.731	371.995	346.742	328.705	328.954
138.5	668.965	642.877	574.847	484.369	403.019	376.367	351.115	333.164	333.499

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CANDELA TABULATION - (Cont.)

139.0	670.429	643.916	577.888	488.223	407.433	380.611	355.402	337.366	337.829
139.5	671.632	645.717	580.035	491.610	411.892	385.069	359.690	341.654	342.117
140.0	672.965	647.648	582.694	495.040	416.264	389.314	363.850	345.856	346.362
140.5	675.191	649.579	584.036	498.851	420.679	393.729	368.265	350.271	350.947
141.0	676.481	651.424	586.227	502.238	425.179	398.017	372.637	354.770	355.447
141.5	678.238	652.082	589.267	506.049	429.636	402.346	376.924	359.184	359.818
142.0	679.234	654.437	591.415	509.479	433.880	406.675	381.210	363.599	364.233
142.5	680.567	656.281	594.074	512.866	438.125	410.920	385.455	367.801	368.647
143.0	682.663	657.658	596.222	516.339	442.370	415.250	389.699	372.045	373.019
143.5	684.464	658.697	598.413	519.813	447.038	419.664	394.113	376.545	377.434
144.0	683.675	660.203	601.029	523.286	451.326	423.993	398.357	380.958	381.848
144.5	685.987	662.135	603.220	526.716	455.614	428.068	402.687	385.330	386.262
145.0	688.126	663.598	604.986	529.808	459.859	432.313	406.932	389.575	390.847
145.5	688.229	665.061	608.026	533.282	464.103	436.601	411.176	393.946	395.091
146.0	689.519	666.013	609.750	536.374	467.967	440.845	415.335	398.191	399.463
146.5	691.874	667.944	611.984	538.574	472.211	445.089	419.537	402.519	403.835
147.0	692.827	668.897	614.132	541.623	476.456	449.334	423.909	406.805	408.249
147.5	694.628	670.871	615.942	543.866	480.319	453.665	428.111	411.135	412.493
148.0	694.644	671.061	618.133	546.491	484.564	457.866	432.356	415.464	416.950
148.5	694.791	672.100	619.475	549.964	488.427	461.687	436.644	419.794	421.280
149.0	696.081	674.031	621.666	553.013	492.715	465.550	440.845	424.038	425.694
149.5	696.739	673.372	623.008	555.256	496.535	469.838	445.089	428.155	429.939
150.0	697.136	675.216	625.199	558.773	500.355	474.082	449.334	432.399	434.608
150.5	698.513	676.255	627.858	561.441	504.175	477.946	453.579	437.068	438.853
151.0	698.573	677.294	628.395	564.533	508.039	481.766	457.442	441.269	443.478
151.5	699.993	677.527	631.011	567.158	511.902	486.010	461.687	445.557	447.766
152.0	700.096	678.185	631.972	570.250	515.766	489.874	465.931	449.759	452.392
152.5	699.731	679.224	633.782	572.493	519.586	493.694	470.219	454.003	456.680
153.0	699.835	679.414	635.592	575.586	523.025	497.558	473.996	457.823	460.924
153.5	701.211	680.496	636.934	578.254	525.190	501.378	478.284	462.492	465.169
154.0	700.466	681.154	637.895	581.346	529.435	505.665	482.104	466.693	469.881
154.5	701.418	681.387	638.769	583.589	532.406	509.061	486.348	470.938	474.169
155.0	702.327	682.001	640.493	585.832	534.996	512.968	490.212	474.758	478.370
155.5	702.049	681.853	641.705	588.544	538.011	516.745	494.456	479.003	482.658
156.0	700.835	682.511	642.493	590.744	541.831	520.651	498.320	483.247	486.859
156.5	701.787	683.212	643.367	593.455	544.845	522.774	502.140	487.448	490.680
157.0	702.228	682.978	644.666	595.741	548.284	526.637	505.960	491.268	494.967
157.5	700.278	683.254	645.540	597.517	551.255	530.033	510.248	495.513	499.212
158.0	700.407	682.257	646.545	599.760	554.270	533.428	514.068	499.757	503.457
158.5	699.271	682.534	647.125	601.623	557.666	536.018	517.463	503.578	507.277
159.0	698.101	682.811	648.129	603.866	560.680	539.414	520.010	507.398	511.521
159.5	699.227	683.044	648.709	606.153	563.227	543.234	525.147	511.642	515.341
160.0	697.840	682.809	649.332	607.972	566.666	546.249	527.269	515.462	519.586
160.5	696.843	682.532	650.380	609.409	569.256	549.688	531.133	519.282	523.449
161.0	697.197	682.591	651.003	611.272	571.378	552.659	534.104	522.254	527.650
161.5	696.374	681.040	652.008	613.091	574.774	556.054	536.694	526.074	531.046
162.0	695.811	680.381	650.977	614.953	576.896	559.069	540.514	529.894	532.657
162.5	694.216	679.341	652.449	615.542	580.335	562.508	543.485	532.865	536.391
163.0	693.765	680.042	652.267	617.828	582.501	565.904	547.773	535.836	539.656
163.5	692.976	678.664	652.509	618.798	585.472	568.494	550.744	539.656	543.433
164.0	693.209	678.646	653.132	620.236	587.594	571.040	553.716	543.052	546.785
164.5	691.831	677.312	652.950	621.206	590.184	574.011	557.579	546.915	551.368
165.0	690.497	677.251	653.192	622.644	592.731	577.407	560.975	549.886	554.763
165.5	688.313	675.067	653.053	624.038	595.321	579.573	563.521	552.858	557.734
166.0	688.295	674.244	652.827	625.476	597.443	582.120	566.536	556.678	561.892
166.5	687.342	673.377	653.113	626.914	599.141	585.134	569.888	560.073	565.712

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167.0	686.302	672.510	652.550	626.697	601.307	587.256	573.327	563.088	569.108
167.5	684.456	670.881	652.411	627.754	603.048	589.803	575.449	566.951	572.079
168.0	681.511	669.634	652.272	628.811	605.170	592.393	578.888	570.347	575.518
168.5	681.068	668.637	652.133	629.911	607.292	594.940	582.327	573.786	578.870
169.0	678.504	667.172	651.145	629.270	609.458	597.486	584.406	576.333	581.798
169.5	677.212	665.587	651.006	630.707	610.688	599.184	587.802	580.153	584.302
170.0	675.921	663.958	650.443	630.958	611.961	601.774	590.392	582.699	587.697
170.5	674.673	663.221	649.074	631.634	613.278	603.897	592.558	585.714	590.712
171.0	672.066	661.678	649.403	631.928	614.127	606.019	594.723	588.685	593.302
171.5	670.012	660.136	647.566	632.223	616.293	607.336	597.313	591.743	596.697
172.0	668.894	658.213	647.514	632.899	618.034	609.458	599.860	593.441	599.158
172.5	666.884	656.333	646.144	632.769	619.264	611.580	602.407	596.837	602.510
173.0	664.068	654.790	644.862	632.682	620.156	613.702	604.953	599.383	604.164
173.5	662.569	652.867	644.472	633.444	620.962	614.551	607.076	601.505	607.179
174.0	660.984	651.368	642.765	633.357	621.386	616.674	608.773	604.096	610.107
174.5	658.506	648.639	641.570	633.271	622.703	618.796	610.852	606.642	611.380
175.0	656.028	646.759	640.374	632.379	623.976	620.069	612.550	608.721	613.884
175.5	653.593	644.966	639.222	633.227	624.782	620.875	614.716	610.887	615.581
176.0	652.943	643.215	638.113	633.184	625.674	622.616	616.795	613.052	619.020
176.5	649.409	640.703	637.048	632.803	626.055	623.465	619.385	615.218	620.337
177.0	647.572	639.126	635.220	632.803	626.142	624.738	619.809	617.297	622.459
177.5	644.843	636.744	634.708	631.954	626.947	625.163	621.932	618.995	623.689
178.0	642.288	635.297	633.816	631.954	627.372	626.436	623.162	621.585	627.128
178.5	639.567	632.664	632.543	631.530	627.372	627.710	624.435	623.239	629.207
179.0	637.740	631.772	630.845	631.530	627.796	628.134	626.601	624.937	630.056
179.5	635.998	630.117	629.996	630.681	627.796	628.983	627.449	626.254	633.495
180.0	629.398	629.398	629.398	629.398	629.398	629.398	629.398	629.398	629.398

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-935U-L25-935D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	233.68	N.A.	5.50
0-30	496.39	N.A.	11.70
0-40	814.27	N.A.	19.20
0-60	1474.82	N.A.	34.70
0-80	1975.23	N.A.	46.50
0-90	2132.41	N.A.	50.20
10-90	2072.05	N.A.	48.80
20-40	580.59	N.A.	13.70
20-50	917.63	N.A.	21.60
40-70	941.80	N.A.	22.20
60-80	500.40	N.A.	11.80
70-80	219.16	N.A.	5.20
80-90	157.19	N.A.	3.70
90-110	374.93	N.A.	8.80
90-120	654.19	N.A.	15.40
90-130	975.42	N.A.	23.00
90-150	1624.9	N.A.	38.20
90-180	2115.78	N.A.	49.80
110-180	1740.85	N.A.	41.00
0-180	4248.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.37
10-20	173.31
20-30	262.72
30-40	317.87
40-50	337.05
50-60	323.51
60-70	281.25
70-80	219.16
80-90	157.19
90-100	156.96
100-110	217.97
110-120	279.27
120-130	321.23
130-140	334.47
140-150	315.01
150-160	259.91
160-170	171.28
170-180	59.69

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-935U-L25-935D-DMA-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	96	91	87	83	88	84	80	77	71	68	65	59	57	55	47	46	44	39
2	87	79	72	66	80	73	67	62	61	57	53	51	47	44	41	38	36	32
3	79	69	61	55	72	64	57	51	54	48	44	44	40	37	36	33	30	26
4	72	61	52	46	66	56	49	43	47	42	37	39	35	31	32	28	26	22
5	66	54	45	39	61	50	42	37	42	36	32	35	30	27	28	25	22	19
6	61	48	40	34	56	45	37	32	38	32	27	32	27	23	26	22	19	16
7	56	43	35	29	51	40	33	28	34	28	24	29	24	21	23	20	17	14
8	52	39	31	26	48	37	29	24	31	25	21	26	22	18	21	18	15	13
9	48	36	28	23	45	33	26	22	29	23	19	24	20	16	20	16	14	12
10	45	33	25	20	42	31	24	19	26	21	17	22	18	15	18	15	12	10

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-935U-L25-935D-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	18.8	19.7	19.7	20.7	21.9	12.8	13.7	13.7	14.7	15.9
	3H	21.9	22.7	22.8	23.7	25.0	14.1	15.0	15.1	15.9	17.2
	4H	23.5	24.2	24.4	25.2	26.5	14.6	15.4	15.5	16.3	17.6
	6H	25.2	25.9	26.1	26.9	28.2	14.8	15.5	15.8	16.5	17.8
	8H	26.1	26.8	27.0	27.8	29.1	14.9	15.6	15.8	16.6	17.9
	12H	27.1	27.7	28.1	28.7	30.1	14.9	15.5	15.9	16.5	17.9

UGR Viewed Endwise

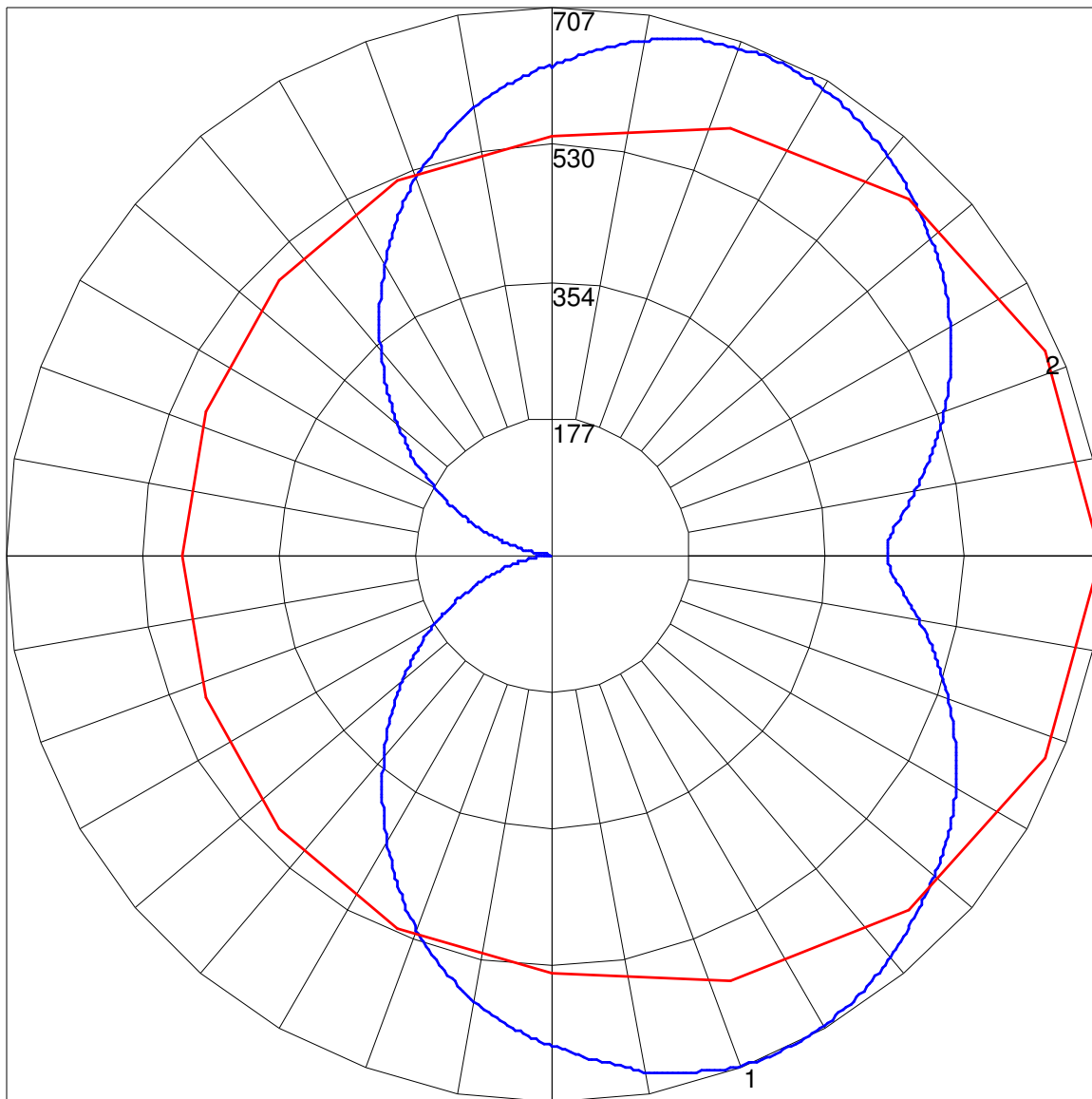
4H	2H	19.1	19.8	20.0	20.8	22.1	14.0	14.8	15.0	15.8	17.1
	3H	22.4	23.0	23.4	24.0	25.4	15.7	16.3	16.7	17.3	18.7
	4H	24.1	24.8	25.1	25.8	27.1	16.2	16.9	17.2	17.9	19.2
	6H	26.0	26.6	27.1	27.6	28.9	16.6	17.2	17.6	18.2	19.5
	8H	27.1	27.5	28.1	28.6	29.9	16.7	17.2	17.7	18.2	19.6
	12H	28.2	28.6	29.2	29.7	31.0	16.8	17.2	17.8	18.3	19.6

8H	4H	24.3	24.8	25.3	25.8	27.1	17.4	17.9	18.4	18.9	20.2
	6H	26.3	26.8	27.4	27.8	29.2	18.0	18.4	19.0	19.5	20.8
	8H	27.5	27.9	28.5	28.9	30.3	18.2	18.6	19.2	19.6	21.0
	12H	28.8	29.1	29.8	30.2	31.6	18.3	18.7	19.4	19.7	21.1

12H	4H	24.2	24.7	25.3	25.7	27.1	17.7	18.2	18.7	19.2	20.5
	6H	26.4	26.7	27.4	27.8	29.2	18.5	18.9	19.6	19.9	21.3
	8H	27.6	27.9	28.6	28.9	30.3	18.8	19.2	19.9	20.2	21.6

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 707.323 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.)