

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-930U-L25-930D-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-L25-930U-L25-930D-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	4197
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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	8666	8206	7867
55	8614	7852	7216
65	8629	7580	6447
75	8779	7408	5319
85	9228	7578	3714

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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	628.115	628.115	628.115	628.115	628.115	628.115	628.115	628.115	628.115
0.5	628.997	630.046	628.878	631.270	626.989	630.246	626.016	625.982	626.042
1.0	630.710	631.540	631.187	631.783	626.603	629.306	624.219	624.186	624.288
1.5	632.976	633.546	631.866	633.151	626.603	627.552	623.279	622.003	621.290
2.0	634.899	636.022	633.402	633.277	626.133	626.225	621.566	620.249	619.536
2.5	637.677	637.726	635.451	633.831	625.705	625.369	619.854	618.964	617.865
3.0	639.516	640.286	637.070	633.956	625.276	624.513	618.569	616.395	615.683
3.5	641.950	642.544	638.262	635.409	625.276	622.758	616.428	614.641	614.398
4.0	645.157	644.802	640.310	635.534	624.378	621.045	615.572	612.500	611.401
4.5	646.609	646.673	641.930	635.274	623.950	620.617	613.431	610.359	608.790
5.0	647.414	649.015	643.332	636.684	623.094	618.477	610.862	608.177	606.263
5.5	650.403	650.928	643.793	636.852	621.809	616.336	609.578	606.036	604.979
6.0	652.409	652.455	645.027	636.591	620.911	615.866	607.865	604.281	602.368
6.5	654.029	655.351	646.302	636.373	620.096	614.195	605.641	601.242	599.841
7.0	655.649	657.181	647.150	636.457	619.626	612.827	603.500	598.631	596.802
7.5	657.302	658.708	648.039	636.280	617.444	610.686	600.931	596.491	593.805
8.0	660.482	659.807	649.138	635.164	616.159	608.545	598.790	593.880	590.808
8.5	663.301	661.418	650.237	635.802	615.731	607.261	596.608	591.311	587.852
9.0	667.152	663.113	651.211	635.113	613.590	605.078	593.997	587.844	584.856
9.5	669.056	664.590	651.798	635.323	612.264	602.509	591.428	585.233	583.999
10.0	671.180	666.880	652.343	634.718	610.980	600.755	589.287	582.664	579.289
10.5	673.261	668.231	653.316	634.071	608.839	598.656	586.676	579.625	577.191
11.0	674.528	669.196	653.903	633.038	607.941	596.473	583.637	577.484	574.194
11.5	675.669	670.714	654.062	632.005	605.372	593.904	581.110	574.017	570.340
12.0	676.381	671.804	654.649	631.829	603.659	592.578	578.499	571.020	566.957
12.5	678.849	673.751	654.850	630.796	602.333	589.111	575.502	568.023	563.960
13.0	680.242	674.799	655.135	629.763	600.620	586.970	572.463	564.556	559.762
13.5	681.332	676.192	655.420	629.159	597.623	584.401	569.852	561.088	557.277
14.0	683.404	677.072	655.746	628.168	596.297	580.934	565.999	557.663	553.549
14.5	684.839	677.995	655.133	626.665	594.156	578.793	562.960	554.238	549.738
15.0	684.863	678.447	655.334	625.674	591.117	576.182	559.963	550.813	545.927
15.5	685.753	678.942	655.274	623.743	588.548	573.571	556.496	546.960	543.786
16.0	686.130	679.865	654.786	622.156	586.365	570.574	553.885	543.534	538.606
16.5	687.975	680.787	655.583	621.593	584.224	567.577	550.460	540.537	536.037
17.0	689.997	680.425	655.524	619.662	582.084	564.110	547.421	536.642	533.510
17.5	690.315	681.818	654.994	617.261	579.045	561.927	543.525	534.031	529.187
18.0	691.531	681.456	654.464	616.270	576.048	557.604	539.672	530.178	526.190
18.5	693.175	681.992	653.809	614.423	573.009	555.035	537.918	528.037	522.294
19.0	692.762	682.529	653.665	613.087	570.440	551.568	534.492	524.183	518.441
19.5	694.700	682.595	652.582	611.366	567.400	548.957	530.597	520.330	514.117
20.0	695.656	682.317	652.438	609.091	564.832	545.532	528.884	516.477	510.264
20.5	695.932	682.853	650.968	607.243	562.221	542.064	524.989	512.581	505.941
21.0	696.166	682.533	650.397	604.708	558.367	538.639	521.136	508.728	502.087
21.5	696.870	682.725	649.355	603.414	555.756	536.885	517.710	504.447	497.806
22.0	697.783	682.573	648.356	601.735	552.331	532.603	513.815	500.593	493.482
22.5	698.311	682.421	647.314	599.543	548.864	529.522	509.920	496.740	489.629
23.0	697.940	682.655	646.314	597.310	545.825	525.241	506.066	492.458	485.305
23.5	698.039	682.200	645.701	594.220	541.972	523.528	502.171	488.177	481.024
24.0	698.525	682.132	644.273	592.583	539.403	520.061	498.276	484.281	476.314
24.5	698.801	681.979	643.273	590.089	535.508	516.207	494.422	480.042	472.461
25.0	698.221	681.869	641.417	588.283	534.223	512.270	490.527	475.718	468.137
25.5	697.212	680.903	640.417	586.092	531.184	508.417	486.674	471.437	463.428
26.0	697.488	680.666	638.989	582.616	528.187	504.522	482.350	467.583	459.532
26.5	696.949	679.574	637.603	579.954	524.292	500.668	478.455	463.302	454.781

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27.0	695.983	678.910	636.688	577.763	520.396	496.731	474.173	459.020	450.499
27.5	695.957	678.674	634.101	575.571	516.929	492.877	470.278	454.697	446.176
28.0	696.232	677.581	632.413	571.625	513.076	488.554	466.383	450.415	441.466
28.5	695.098	676.489	631.111	569.820	509.651	484.701	462.101	446.134	437.142
29.0	694.173	676.253	629.808	566.344	505.369	480.805	457.820	441.424	432.861
29.5	693.979	674.304	628.162	562.784	501.474	476.524	453.496	437.142	428.365
30.0	693.650	673.128	626.432	560.551	497.578	472.158	449.643	432.819	423.914
30.5	692.558	672.161	624.702	557.503	493.725	468.305	445.319	428.495	419.632
31.0	692.406	671.497	623.013	554.371	489.872	463.982	441.038	424.170	415.180
31.5	691.481	670.749	620.427	552.994	485.976	459.700	436.756	419.932	410.771
32.0	690.044	669.656	619.167	549.434	481.695	455.805	432.433	415.521	406.531
32.5	690.320	668.136	616.966	547.629	477.800	451.481	428.108	411.239	402.038
33.0	687.985	667.513	615.152	544.581	473.946	447.200	423.784	406.745	397.542
33.5	688.387	665.523	612.910	541.063	469.623	442.876	419.503	402.420	393.217
34.0	687.807	664.044	610.240	537.973	465.341	438.595	415.179	398.182	388.723
34.5	686.454	662.523	607.569	534.414	461.018	434.699	410.855	393.772	384.356
35.0	684.849	661.003	605.797	530.896	456.736	430.289	406.616	389.447	380.117
35.5	683.841	659.952	603.941	527.806	452.883	425.966	402.377	385.080	375.664
36.0	682.228	657.576	601.354	524.288	448.601	421.642	398.053	380.798	371.212
36.5	681.303	656.055	599.540	520.770	443.892	417.318	393.558	376.603	366.802
37.0	679.824	655.005	596.400	517.210	439.568	413.122	389.362	372.193	362.349
37.5	678.513	652.669	593.687	513.692	435.286	408.670	385.081	367.741	358.154
38.0	677.975	650.721	591.957	510.174	431.005	404.346	380.714	363.545	353.617
38.5	675.296	649.242	588.430	506.656	426.639	399.936	376.432	359.178	349.121
39.0	673.985	648.192	586.146	502.710	422.186	395.698	372.065	354.897	344.754
39.5	672.120	645.815	586.473	499.151	417.861	391.374	367.869	350.530	340.430
40.0	671.623	644.336	583.844	495.633	413.409	386.921	363.631	346.249	336.234
40.5	669.028	642.774	581.216	491.687	408.957	382.598	359.221	341.967	331.909
41.0	667.079	640.523	578.504	488.127	404.632	378.273	354.940	337.643	327.501
41.5	664.912	638.574	575.875	484.265	400.094	373.779	350.573	333.447	323.262
42.0	664.374	637.011	572.735	480.789	395.684	369.667	346.292	329.081	319.024
42.5	662.593	635.105	570.064	477.313	391.231	365.301	341.968	324.714	314.827
43.0	660.384	631.871	567.310	473.921	386.779	360.891	337.686	320.604	310.376
43.5	659.333	630.351	564.681	470.058	382.113	356.481	333.276	316.195	306.222
44.0	657.082	628.402	561.625	466.196	377.745	352.158	328.866	311.870	302.155
44.5	655.301	626.495	558.442	462.292	373.207	347.876	324.543	307.632	297.917
45.0	653.990	624.975	555.814	458.774	368.754	343.339	320.261	303.265	293.764
45.5	651.185	622.212	552.715	454.914	364.302	338.971	315.808	299.069	289.397
46.0	650.991	620.305	549.617	451.096	359.764	334.560	311.527	294.830	285.202
46.5	648.395	619.212	546.946	447.235	355.267	330.194	307.117	290.507	281.177
47.0	647.429	618.548	543.848	443.289	350.601	325.827	302.792	286.353	277.110
47.5	645.992	616.767	540.707	439.555	345.977	321.374	298.469	282.072	272.786
48.0	644.253	614.264	537.735	435.821	341.396	316.794	294.229	278.005	268.590
48.5	641.448	612.013	534.510	432.045	336.900	312.341	289.820	273.767	264.437
49.0	639.709	609.637	531.453	428.140	332.406	307.931	285.496	269.657	260.198
49.5	638.012	607.260	528.313	424.236	327.867	303.607	281.257	265.505	256.173
50.0	638.246	605.395	525.173	420.417	323.286	299.198	277.019	261.351	251.935
50.5	635.181	603.018	522.116	416.472	318.748	294.659	272.652	257.412	247.825
51.0	634.600	600.725	519.059	412.654	314.252	290.292	268.413	253.217	243.673
51.5	632.475	598.390	515.490	408.707	309.756	285.796	264.089	249.064	239.649
52.0	630.350	595.585	512.308	404.591	305.175	281.472	259.936	244.997	235.710
52.5	628.527	593.250	509.252	400.730	300.680	277.106	255.698	240.929	231.599
53.0	626.276	590.831	505.725	396.699	296.141	272.653	251.417	236.862	227.446
53.5	624.024	588.538	502.541	392.711	291.731	268.157	247.135	232.837	223.294
54.0	621.941	586.119	499.230	388.636	287.151	263.833	242.896	228.684	219.611
54.5	619.690	583.482	495.789	384.519	282.741	259.551	238.701	224.703	215.545

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CANDELA TABULATION - (Cont.)

55.0	617.523	581.063	492.520	380.531	278.245	255.100	234.463	220.593	211.434
55.5	615.314	578.258	489.292	376.371	273.792	250.605	230.268	216.526	207.495
56.0	613.146	575.923	485.937	372.340	269.254	246.280	226.114	212.629	203.343
56.5	611.063	573.118	482.453	368.137	264.757	241.871	221.790	208.434	199.532
57.0	608.854	570.825	479.014	363.977	260.220	237.545	217.765	204.581	195.764
57.5	606.217	568.062	475.700	359.818	255.766	233.052	213.655	200.428	191.612
58.0	603.882	565.215	472.302	355.529	251.143	228.683	209.417	196.532	187.630
58.5	601.798	562.452	468.821	351.370	246.605	224.359	205.349	192.550	183.605
59.0	599.589	559.773	465.209	347.081	241.981	219.993	201.282	188.525	179.794
59.5	596.994	556.884	461.852	342.793	237.314	215.583	197.257	184.629	175.898
60.0	594.189	554.079	458.242	338.634	232.732	211.131	193.232	180.690	171.959
60.5	591.635	551.316	454.887	334.475	228.194	206.764	189.123	176.794	168.020
61.0	589.426	548.509	451.404	330.400	223.698	202.354	185.013	172.855	164.124
61.5	586.747	545.704	447.921	326.198	219.117	198.072	180.902	168.916	160.185
62.0	583.640	542.728	444.267	321.910	214.621	193.663	176.963	164.978	156.417
62.5	581.003	539.793	440.825	317.708	209.997	189.339	172.853	160.996	152.435
63.0	578.365	536.986	437.386	313.506	205.544	184.886	168.744	157.100	148.625
63.5	575.728	533.881	433.903	309.303	201.005	180.476	164.718	153.245	144.686
64.0	573.133	530.862	430.249	305.101	196.467	176.280	160.651	149.264	141.005
64.5	570.067	527.886	426.810	300.899	191.972	171.913	156.498	145.367	137.450
65.0	567.131	524.909	423.028	296.525	187.434	167.631	152.345	141.514	133.468
65.5	564.154	521.762	419.544	292.195	182.852	163.264	148.363	137.618	129.701
66.0	561.260	518.528	416.018	287.993	178.399	158.898	144.210	133.807	126.018
66.5	558.535	515.424	412.280	283.749	173.947	154.531	140.229	129.868	122.336
67.0	555.470	512.318	408.796	279.504	169.493	150.249	136.332	126.100	118.783
67.5	552.490	509.213	405.056	275.130	165.040	146.053	132.350	122.290	115.058
68.0	549.553	505.981	401.404	270.801	160.374	141.900	128.326	118.522	111.247
68.5	546.445	502.747	397.793	266.513	155.878	137.533	124.301	114.754	107.479
69.0	543.724	499.558	394.010	262.312	151.468	133.380	120.320	110.987	104.011
69.5	540.659	496.453	390.484	258.153	147.058	129.099	116.551	107.305	100.415
70.0	537.764	493.218	386.703	253.993	142.605	124.945	112.656	103.623	96.817
70.5	534.783	489.943	383.049	249.791	138.196	120.707	108.802	99.855	93.093
71.0	531.889	486.709	379.353	245.463	133.742	116.597	104.949	96.301	89.497
71.5	528.950	483.475	375.487	241.305	129.547	112.487	101.182	92.747	85.943
72.0	525.760	480.030	371.876	237.274	125.178	108.377	97.413	89.194	82.688
72.5	522.736	476.881	368.180	233.159	120.513	104.309	93.688	85.769	79.049
73.0	519.588	473.563	364.569	229.171	116.316	100.327	90.049	82.172	75.624
73.5	516.522	470.159	360.917	225.054	111.992	96.474	86.367	78.661	72.113
74.0	513.499	466.883	357.136	220.940	107.753	92.578	82.728	75.321	68.774
74.5	510.223	463.440	353.482	216.868	103.642	88.725	79.174	71.938	65.649
75.0	507.114	460.164	349.661	212.922	99.489	84.871	75.663	68.600	62.266
75.5	503.922	456.760	346.009	208.808	95.421	81.103	72.151	65.174	59.054
76.0	500.688	453.485	342.527	204.779	91.353	77.421	68.599	61.963	55.929
76.5	497.450	450.039	338.791	200.960	87.286	73.782	65.088	58.623	52.847
77.0	494.173	446.808	335.139	196.889	83.346	70.143	61.833	55.498	49.977
77.5	490.895	443.406	331.488	193.114	79.322	66.546	58.451	52.330	46.980
78.0	487.704	440.132	327.964	189.257	75.554	62.950	55.155	49.290	44.069
78.5	484.255	436.732	324.482	185.610	71.743	59.439	51.901	46.292	41.157
79.0	481.022	433.245	320.917	181.753	68.060	56.056	48.690	43.295	38.203
79.5	477.744	429.972	317.436	178.023	64.335	52.717	45.563	40.298	35.506
80.0	474.384	426.656	313.914	174.338	60.652	49.462	42.523	37.472	32.766
80.5	471.022	423.300	310.391	170.863	57.099	46.208	39.526	34.646	30.111
81.0	467.874	420.069	307.125	167.390	53.672	43.040	36.615	31.906	27.371
81.5	464.640	416.582	303.732	163.917	50.333	39.999	33.745	29.209	24.716
82.0	461.364	413.353	300.465	160.445	47.036	37.002	30.877	26.554	22.234
82.5	458.427	410.423	297.244	157.100	43.739	34.133	28.222	24.113	19.877

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CANDELA TABULATION - (Cont.)

83.0	455.238	407.278	293.936	153.969	40.571	31.222	25.567	21.629	17.438
83.5	452.220	404.090	290.715	150.880	37.531	28.395	23.041	19.189	15.083
84.0	449.286	401.075	287.664	147.793	34.577	25.698	20.558	16.834	12.770
84.5	446.266	397.974	284.572	144.706	31.665	23.086	18.032	14.479	10.630
85.0	443.417	394.831	281.522	141.791	28.840	20.560	15.634	12.296	8.703
85.5	440.610	391.943	278.343	138.875	26.057	18.034	13.321	10.198	6.990
86.0	437.806	389.181	275.294	136.087	23.359	15.593	11.095	8.314	5.748
86.5	435.210	386.670	272.542	133.300	20.747	13.238	8.954	6.857	4.891
87.0	432.823	384.917	269.829	130.726	18.264	10.925	7.070	5.701	4.335
87.5	431.108	383.584	267.791	128.067	15.781	8.698	5.742	4.972	3.991
88.0	430.277	382.966	266.338	125.450	13.255	6.515	4.800	4.459	3.818
88.5	429.652	382.514	265.430	123.167	10.729	4.716	4.286	4.073	3.605
89.0	429.281	382.400	265.198	121.599	8.159	3.860	3.986	3.944	3.561
89.5	429.206	382.329	265.007	121.080	5.973	3.559	3.857	3.816	3.518
90.0	429.255	382.299	265.029	121.110	5.109	3.474	3.814	3.815	3.560
90.5	428.925	382.399	265.054	121.353	6.069	3.473	3.813	3.814	3.517
91.0	429.104	382.712	265.374	122.493	8.165	3.514	3.770	3.856	3.517
91.5	429.199	383.281	266.079	124.490	10.681	4.185	3.812	3.813	3.474
92.0	429.721	384.192	267.682	126.873	13.113	5.400	3.938	3.770	3.558
92.5	430.284	385.742	269.883	129.256	15.461	7.371	4.272	3.896	3.642
93.0	431.447	387.679	272.510	132.021	17.808	9.677	5.111	4.064	3.935
93.5	432.952	390.127	275.308	134.488	20.240	11.984	6.537	4.524	4.606
94.0	435.183	392.916	278.188	137.292	22.798	14.332	8.466	5.447	5.906
94.5	437.884	395.749	280.898	140.054	25.398	16.596	10.688	6.915	7.709
95.0	440.712	398.792	284.075	142.815	28.082	19.070	12.952	8.675	9.721
95.5	443.541	401.877	287.124	145.703	30.850	21.587	15.300	10.814	12.028
96.0	446.497	404.750	290.129	148.674	33.701	24.102	17.817	13.121	14.293
96.5	449.367	407.707	293.220	151.773	36.636	26.744	20.291	15.427	16.725
97.0	452.280	410.707	296.311	154.913	39.655	29.386	22.849	17.859	19.199
97.5	455.277	413.789	299.443	158.052	42.801	32.195	25.449	20.418	21.631
98.0	458.187	416.872	302.578	161.400	45.903	35.047	28.049	22.892	24.105
98.5	461.267	420.039	305.879	164.792	49.217	37.982	30.774	25.491	26.789
99.0	464.305	423.248	309.181	168.139	52.655	41.127	33.584	28.133	29.473
99.5	467.343	426.372	312.523	171.656	56.093	44.230	36.477	30.901	32.283
100.0	470.379	429.581	315.950	175.214	59.616	47.501	39.370	33.669	34.966
100.5	473.417	432.831	319.334	178.772	63.222	50.772	42.389	36.437	37.818
101.0	476.623	435.996	322.803	182.456	66.913	54.043	45.535	39.288	40.627
101.5	479.575	439.160	326.227	186.098	70.644	57.566	48.639	42.182	43.605
102.0	482.780	442.454	329.820	189.824	74.460	60.835	51.867	45.159	46.667
102.5	485.858	445.619	333.287	193.507	78.276	64.526	55.096	48.220	49.686
103.0	489.023	448.868	336.795	197.233	82.261	68.887	58.409	51.281	52.789
103.5	492.184	452.075	340.345	201.042	86.287	72.494	61.764	54.426	55.850
104.0	495.350	455.281	343.938	204.936	90.228	75.554	65.119	57.614	59.121
104.5	498.426	458.658	347.487	208.745	94.254	79.413	68.641	60.884	62.392
105.0	501.674	461.823	350.995	212.554	98.447	83.103	72.123	64.198	65.705
105.5	504.457	465.072	354.629	216.447	102.600	87.003	75.644	67.511	69.018
106.0	507.661	468.320	358.136	220.382	106.792	91.364	79.251	70.865	72.415
106.5	510.655	471.443	361.644	224.360	111.112	95.893	82.900	74.263	75.769
107.0	513.775	474.649	365.193	228.211	115.348	99.206	86.506	77.743	79.418
107.5	516.896	477.897	368.700	232.188	119.667	102.770	90.280	81.181	82.815
108.0	519.890	481.062	372.336	236.249	123.987	106.796	93.970	84.872	86.379
108.5	522.840	484.226	375.927	240.310	128.390	110.906	97.702	88.394	89.903
109.0	526.003	487.264	379.477	244.329	132.751	114.973	101.560	92.085	93.509
109.5	528.912	490.641	383.026	248.305	137.112	119.083	105.377	95.649	97.073
110.0	531.947	493.594	386.492	252.451	141.557	123.235	109.151	99.340	100.806
110.5	534.899	496.760	389.831	256.511	146.002	127.386	113.051	103.030	104.455

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-930U-L25-930D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	537.893	499.714	393.338	260.573	150.489	131.581	116.951	106.763	108.187
111.5	540.804	502.794	396.889	264.718	154.976	135.774	120.809	110.537	111.751
112.0	543.587	505.876	400.353	268.820	159.463	140.009	124.793	114.311	115.356
112.5	546.581	508.915	403.903	273.007	164.077	144.329	128.818	118.043	119.048
113.0	549.279	511.954	407.411	277.109	168.522	148.648	132.760	121.775	122.822
113.5	552.231	514.952	410.875	281.380	173.009	153.010	136.828	125.633	126.680
114.0	555.056	517.821	414.340	285.483	177.622	157.287	140.980	129.449	130.454
114.5	557.839	520.775	417.805	289.627	182.067	161.690	145.927	133.392	134.228
115.0	560.454	523.773	421.271	293.815	186.596	166.052	151.211	137.292	138.087
115.5	563.113	526.727	424.693	297.959	191.167	170.497	154.985	141.108	141.819
116.0	565.979	529.471	428.202	302.103	195.738	174.858	157.586	145.007	145.886
116.5	568.555	532.427	431.497	306.249	200.225	179.220	161.192	148.907	149.702
117.0	571.421	535.383	435.047	310.435	204.797	183.748	165.974	152.891	153.687
117.5	573.953	538.084	438.385	314.538	209.451	188.068	171.341	156.707	157.460
118.0	576.486	540.995	441.766	318.725	213.896	192.597	175.618	160.734	161.403
118.5	578.889	543.699	445.315	322.826	218.509	197.043	178.555	164.549	165.303
119.0	581.465	546.317	448.613	327.014	223.081	201.404	181.826	168.659	169.329
119.5	584.040	549.354	451.993	331.116	227.651	205.724	185.851	172.601	173.102
120.0	586.487	552.101	455.332	335.177	232.307	210.127	189.961	176.627	177.297
120.5	588.976	554.762	458.671	339.153	236.836	214.614	194.112	180.611	181.155
121.0	591.466	557.380	462.053	343.298	241.239	218.976	198.222	184.679	185.097
121.5	593.998	560.126	465.308	347.315	245.852	223.295	202.331	189.501	189.039
122.0	596.069	562.787	468.647	351.461	250.423	227.657	206.609	194.995	193.065
122.5	598.644	564.943	471.860	355.479	254.910	231.976	210.719	199.691	197.132
123.0	601.176	567.690	475.156	359.497	259.439	236.422	214.913	202.795	201.158
123.5	603.709	570.265	478.497	363.474	264.010	240.741	219.107	206.527	205.310
124.0	605.822	572.549	481.835	367.451	268.455	245.144	223.343	211.393	210.888
124.5	608.354	575.167	485.046	371.511	273.027	249.590	227.536	215.502	218.143
125.0	610.553	577.871	488.387	375.529	277.472	253.825	231.814	218.270	222.797
125.5	612.623	580.112	491.683	379.548	282.043	258.228	236.008	221.206	224.978
126.0	615.113	582.773	494.771	383.398	286.488	262.590	240.243	225.105	225.733
126.5	617.183	585.100	498.065	387.333	290.933	266.868	244.395	229.132	229.256
127.0	619.382	587.761	501.574	391.268	295.462	271.313	248.588	233.200	233.281
127.5	621.538	590.003	504.577	395.077	299.949	275.632	252.824	237.226	237.350
128.0	623.608	592.287	507.495	399.053	304.352	280.077	257.103	241.293	241.501
128.5	625.764	594.948	510.960	402.987	308.924	284.523	261.169	245.404	245.569
129.0	627.920	597.232	513.964	406.838	313.453	288.842	265.573	249.596	249.720
129.5	627.893	599.474	516.967	410.731	317.940	293.203	269.892	253.665	253.872
130.0	630.092	601.715	520.433	414.624	322.385	297.564	274.170	257.732	258.024
130.5	631.409	603.957	523.393	418.559	326.831	302.010	278.448	261.800	262.217
131.0	633.480	605.736	526.397	422.367	331.360	306.371	282.598	265.910	266.327
131.5	634.001	607.687	529.400	426.218	335.930	310.691	286.835	270.104	270.479
132.0	637.286	609.509	532.404	430.026	340.418	315.010	291.196	274.255	274.757
132.5	639.485	611.288	535.407	433.836	344.989	319.414	295.431	278.407	278.906
133.0	640.426	612.820	538.410	437.561	349.518	323.733	299.834	282.475	283.060
133.5	642.496	614.223	541.414	441.411	353.922	328.137	304.070	287.172	287.212
134.0	645.490	616.926	544.374	445.304	358.367	332.540	308.432	291.281	291.490
134.5	646.388	618.749	546.958	449.112	362.854	336.817	312.751	295.476	295.599
135.0	648.501	621.452	549.962	453.006	367.341	341.304	316.985	299.711	300.004
135.5	651.120	622.812	552.965	456.395	371.829	345.707	321.348	303.989	304.070
136.0	651.975	624.677	555.840	460.288	376.274	350.111	325.583	308.056	308.349
136.5	654.926	626.542	558.510	464.054	380.677	354.346	329.861	312.292	312.414
137.0	654.986	628.741	561.051	467.905	385.165	358.791	334.180	316.444	316.862
137.5	657.432	631.025	564.097	471.379	389.527	363.238	338.331	320.594	321.055
138.0	658.330	632.428	565.714	475.101	393.927	367.513	342.564	324.745	324.990
138.5	660.905	635.132	567.922	478.533	398.163	371.832	346.885	329.150	329.481

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CANDELA TABULATION - (Cont.)

139.0	662.351	636.158	570.925	482.341	402.524	376.026	351.120	333.301	333.759
139.5	663.540	637.938	573.047	485.687	406.929	380.430	355.357	337.537	337.995
140.0	664.857	639.845	575.674	489.076	411.248	384.623	359.466	341.689	342.189
140.5	667.056	641.753	577.000	492.841	415.611	388.985	363.828	346.051	346.719
141.0	668.330	643.575	579.164	496.187	420.056	393.221	368.147	350.496	351.164
141.5	670.067	644.225	582.168	499.952	424.459	397.498	372.383	354.857	355.483
142.0	671.050	646.552	584.290	503.341	428.653	401.776	376.617	359.218	359.844
142.5	672.367	648.374	586.917	506.687	432.846	405.969	380.811	363.370	364.206
143.0	674.438	649.735	589.038	510.118	437.040	410.247	385.004	367.563	368.525
143.5	676.217	650.761	591.203	513.550	441.652	414.608	389.365	372.008	372.887
144.0	675.438	652.249	593.787	516.981	445.889	418.885	393.558	376.368	377.247
144.5	677.722	654.157	595.952	520.370	450.125	422.911	397.836	380.687	381.608
145.0	679.835	655.603	597.697	523.425	454.318	427.104	402.029	384.881	386.138
145.5	679.937	657.048	600.701	526.857	458.512	431.340	406.222	389.200	390.331
146.0	681.211	657.989	602.403	529.912	462.329	435.534	410.331	393.393	394.651
146.5	683.539	659.897	604.611	532.085	466.522	439.727	414.483	397.670	398.970
147.0	684.479	660.838	606.733	535.097	470.715	443.920	418.802	401.904	403.330
147.5	686.259	662.788	608.521	537.314	474.532	448.200	422.953	406.182	407.523
148.0	686.275	662.976	610.686	539.907	478.726	452.350	427.147	410.459	411.926
148.5	686.420	664.002	612.012	543.338	482.543	456.124	431.383	414.736	416.205
149.0	687.694	665.910	614.176	546.350	486.779	459.941	435.534	418.929	420.565
149.5	688.344	665.259	615.502	548.567	490.553	464.177	439.727	422.996	424.759
150.0	688.737	667.081	617.667	552.041	494.327	468.371	443.920	427.190	429.372
150.5	690.097	668.107	620.294	554.677	498.101	472.188	448.114	431.802	433.565
151.0	690.156	669.134	620.824	557.732	501.918	475.962	451.931	435.953	438.135
151.5	691.559	669.364	623.408	560.324	505.735	480.155	456.124	440.189	442.372
152.0	691.661	670.014	624.358	563.380	509.552	483.972	460.317	444.340	446.941
152.5	691.301	671.040	626.146	565.596	513.326	487.746	464.554	448.533	451.178
153.0	691.403	671.228	627.934	568.651	516.723	491.563	468.285	452.307	455.371
153.5	692.763	672.297	629.260	571.287	518.863	495.337	472.521	456.920	459.565
154.0	692.026	672.947	630.210	574.342	523.056	499.573	476.295	461.071	464.220
154.5	692.967	673.177	631.073	576.558	525.991	502.928	480.489	465.264	468.456
155.0	693.865	673.784	632.776	578.774	528.550	506.788	484.306	469.038	472.607
155.5	693.590	673.638	633.973	581.453	531.529	510.519	488.499	473.231	476.843
156.0	692.391	674.288	634.752	583.626	535.303	514.378	492.316	477.425	480.994
156.5	693.332	674.981	635.616	586.305	538.281	516.475	496.090	481.575	484.768
157.0	693.768	674.749	636.899	588.564	541.678	520.292	499.864	485.349	489.004
157.5	691.841	675.022	637.763	590.318	544.614	523.647	504.100	489.543	493.197
158.0	691.968	674.038	638.755	592.534	547.592	527.001	507.874	493.736	497.391
158.5	690.846	674.311	639.328	594.374	550.947	529.560	511.229	497.510	501.165
159.0	689.690	674.584	640.320	596.591	553.925	532.915	513.745	501.284	505.358
159.5	690.802	674.814	640.893	598.850	556.441	536.689	518.820	505.478	509.132
160.0	689.432	674.583	641.509	600.647	559.838	539.667	520.917	509.252	513.326
160.5	688.447	674.308	642.544	602.067	562.397	543.065	524.734	513.026	517.143
161.0	688.798	674.367	643.160	603.907	564.494	546.000	527.669	515.961	521.293
161.5	687.984	672.835	644.152	605.704	567.849	549.355	530.228	519.735	524.648
162.0	687.427	672.184	643.134	607.544	569.946	552.333	534.002	523.510	526.240
162.5	685.852	671.156	644.588	608.126	573.343	555.731	536.937	526.445	529.928
163.0	685.406	671.849	644.408	610.385	575.482	559.085	541.173	529.380	533.154
163.5	684.627	670.488	644.647	611.343	578.418	561.644	544.109	533.154	536.886
164.0	684.857	670.470	645.263	612.764	580.515	564.160	547.044	536.509	540.197
164.5	683.496	669.152	645.083	613.722	583.073	567.096	550.861	540.326	544.725
165.0	682.178	669.091	645.322	615.142	585.590	570.450	554.216	543.261	548.079
165.5	680.020	666.934	645.185	616.520	588.148	572.590	556.732	546.197	551.015
166.0	680.003	666.120	644.962	617.940	590.245	575.106	559.710	549.971	555.122
166.5	679.061	665.264	645.244	619.361	591.922	578.084	563.022	553.326	558.896

CANDELA TABULATION - (Cont.)

167.0	678.033	664.408	644.688	619.147	594.062	580.181	566.419	556.304	562.251
167.5	676.210	662.798	644.550	620.191	595.782	582.697	568.516	560.121	565.187
168.0	673.300	661.566	644.413	621.235	597.879	585.256	571.914	563.475	568.584
168.5	672.863	660.581	644.276	622.322	599.976	587.772	575.311	566.873	571.896
169.0	670.329	659.134	643.300	621.688	602.115	590.288	577.365	569.389	574.789
169.5	669.053	657.567	643.163	623.109	603.330	591.965	580.720	573.163	577.262
170.0	667.778	655.958	642.606	623.357	604.588	594.524	583.279	575.679	580.617
170.5	666.545	655.230	641.254	624.024	605.889	596.621	585.418	578.657	583.595
171.0	663.968	653.707	641.578	624.315	606.728	598.717	587.558	581.593	586.154
171.5	661.940	652.183	639.764	624.606	608.867	600.018	590.117	584.614	589.508
172.0	660.835	650.283	639.712	625.273	610.587	602.115	592.633	586.291	591.939
172.5	658.849	648.425	638.360	625.145	611.803	604.212	595.149	589.646	595.251
173.0	656.068	646.901	637.093	625.059	612.684	606.308	597.665	592.162	596.885
173.5	654.587	645.001	636.707	625.812	613.480	607.147	599.761	594.258	599.864
174.0	653.020	643.520	635.021	625.727	613.899	609.244	601.439	596.817	602.756
174.5	650.572	640.824	633.840	625.641	615.200	611.341	603.493	599.333	604.014
175.0	648.124	638.967	632.659	624.759	616.458	612.599	605.170	601.387	606.487
175.5	645.719	637.195	631.520	625.598	617.254	613.394	607.310	603.527	608.165
176.0	645.077	635.466	630.425	625.555	618.136	615.115	609.364	605.666	611.562
176.5	641.585	632.984	629.372	625.179	618.512	615.953	611.922	607.806	612.863
177.0	639.770	631.426	627.566	625.179	618.598	617.211	612.342	609.860	614.960
177.5	637.074	629.072	627.061	624.340	619.394	617.631	614.438	611.537	616.175
178.0	634.549	627.643	626.180	624.340	619.813	618.889	615.654	614.096	619.572
178.5	631.862	625.042	624.922	623.921	619.813	620.147	616.912	615.730	621.626
179.0	630.056	624.160	623.245	623.921	620.232	620.566	619.051	617.408	622.465
179.5	628.336	622.525	622.406	623.082	620.232	621.405	619.890	618.709	625.863
180.0	621.815	621.815	621.815	621.815	621.815	621.815	621.815	621.815	621.815

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-930U-L25-930D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	230.86	N.A.	5.50
0-30	490.41	N.A.	11.70
0-40	804.46	N.A.	19.20
0-60	1457.05	N.A.	34.70
0-80	1951.43	N.A.	46.50
0-90	2106.72	N.A.	50.20
10-90	2047.08	N.A.	48.80
20-40	573.59	N.A.	13.70
20-50	906.58	N.A.	21.60
40-70	930.46	N.A.	22.20
60-80	494.37	N.A.	11.80
70-80	216.52	N.A.	5.20
80-90	155.29	N.A.	3.70
90-110	370.41	N.A.	8.80
90-120	646.31	N.A.	15.40
90-130	963.67	N.A.	23.00
90-150	1605.32	N.A.	38.20
90-180	2090.29	N.A.	49.80
110-180	1719.87	N.A.	41.00
0-180	4197.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.64
10-20	171.22
20-30	259.55
30-40	314.04
40-50	332.99
50-60	319.61
60-70	277.86
70-80	216.52
80-90	155.29
90-100	155.07
100-110	215.34
110-120	275.90
120-130	317.35
130-140	330.44
140-150	311.21
150-160	256.78
160-170	169.21
170-180	58.97

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-930U-L25-930D-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-L25-930U-L25-930D-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

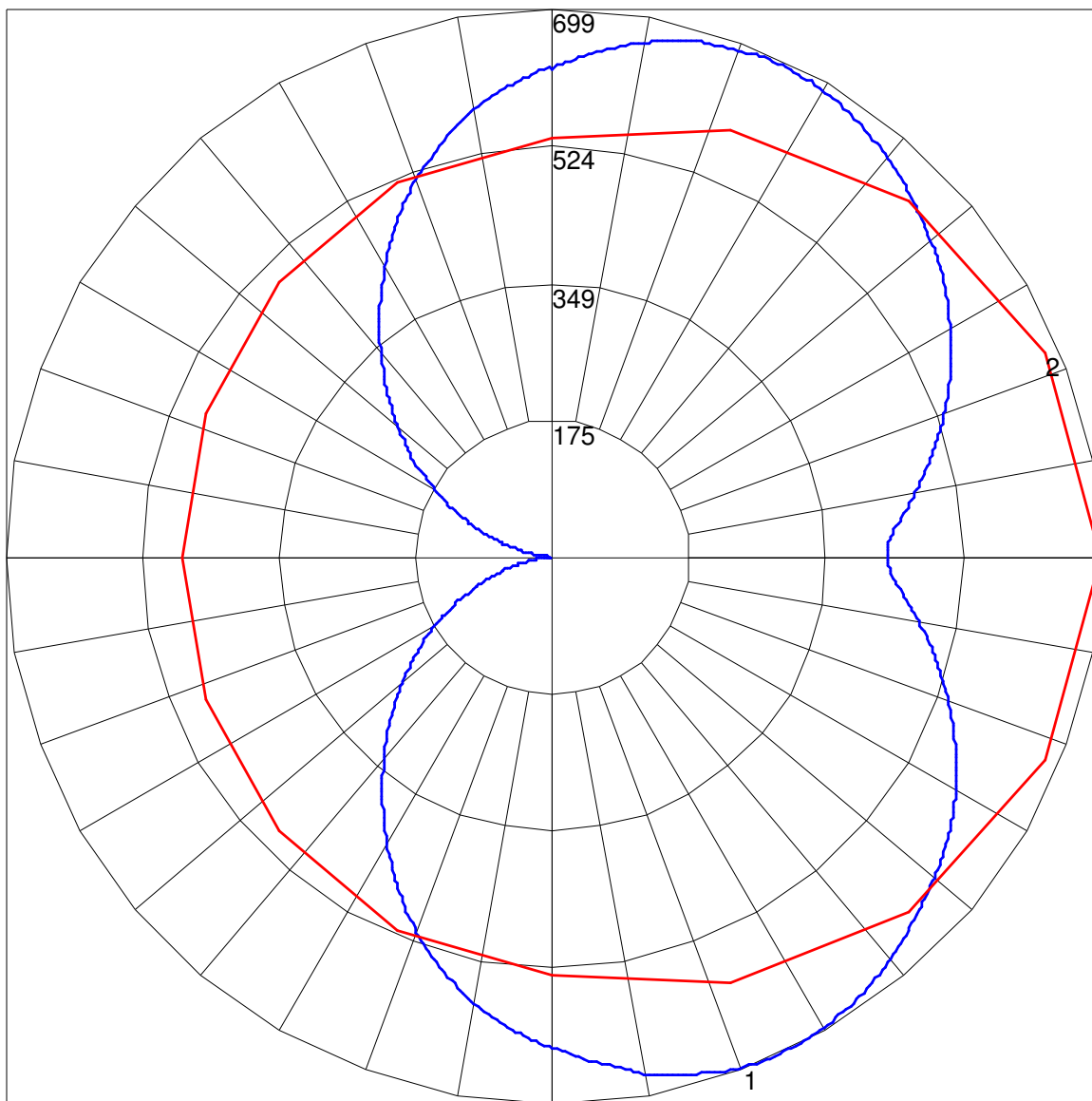
4H	2H	19.1	19.8	20.0	20.8	22.1	14.0	14.8	15.0	15.8	17.1
	3H	22.4	23.0	23.4	24.0	25.4	15.7	16.3	16.7	17.3	18.7
	4H	24.1	24.7	25.1	25.8	27.1	16.2	16.9	17.2	17.9	19.2
	6H	26.0	26.6	27.1	27.6	28.9	16.6	17.2	17.6	18.2	19.5
	8H	27.1	27.5	28.1	28.6	29.9	16.7	17.2	17.7	18.2	19.6
	12H	28.2	28.6	29.2	29.7	31.0	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 = 698.801 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.)