

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-940U-L25-940D-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-L25-940U-L25-940D-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	4402
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
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	9088	8606	8250
55	9034	8235	7568
65	9050	7950	6761
75	9207	7770	5579
85	9679	7947	3896

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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	658.754	658.754	658.754	658.754	658.754	658.754	658.754	658.754	658.754
0.5	659.680	660.779	659.555	662.064	657.574	660.990	656.553	656.518	656.581
1.0	661.476	662.346	661.976	662.601	657.169	660.004	654.669	654.634	654.741
1.5	663.853	664.451	662.689	664.036	657.169	658.164	653.683	652.345	651.597
2.0	665.869	667.048	664.300	664.168	656.676	656.773	651.887	650.505	649.757
2.5	668.784	668.835	666.448	664.749	656.227	655.875	650.091	649.158	648.005
3.0	670.712	671.519	668.147	664.881	655.778	654.977	648.743	646.463	645.716
3.5	673.265	673.887	669.397	666.404	655.778	653.137	646.498	644.623	644.369
4.0	676.628	676.255	671.545	666.536	654.836	651.340	645.600	642.378	641.225
4.5	678.151	678.218	673.244	666.263	654.386	650.891	643.355	640.133	638.487
5.0	678.996	680.674	674.714	667.742	653.488	648.646	640.661	637.844	635.837
5.5	682.130	682.681	675.197	667.918	652.141	646.401	639.314	635.599	634.490
6.0	684.234	684.283	676.491	667.645	651.199	645.908	637.517	633.758	631.752
6.5	685.933	687.319	677.829	667.416	650.345	644.156	635.184	630.571	629.101
7.0	687.632	689.238	678.718	667.504	649.852	642.721	632.939	627.833	625.914
7.5	689.365	690.840	679.651	667.318	647.563	640.476	630.245	625.588	622.771
8.0	692.701	691.993	680.804	666.147	646.216	638.230	628.000	622.850	619.628
8.5	695.657	693.682	681.956	666.816	645.767	636.883	625.711	620.155	616.528
9.0	699.696	695.460	682.977	666.094	643.522	634.594	622.972	616.519	613.385
9.5	701.693	697.009	683.593	666.314	642.130	631.900	620.278	613.781	612.487
10.0	703.920	699.411	684.165	665.680	640.783	630.060	618.033	611.087	607.548
10.5	706.103	700.828	685.185	665.001	638.538	627.859	615.295	607.899	605.346
11.0	707.431	701.839	685.801	663.918	637.596	625.569	612.107	605.654	602.203
11.5	708.628	703.432	685.968	662.835	634.902	622.875	609.457	602.018	598.162
12.0	709.376	704.575	686.583	662.650	633.106	621.484	606.719	598.875	594.613
12.5	711.963	706.617	686.794	661.567	631.715	617.848	603.576	595.731	591.470
13.0	713.424	707.716	687.093	660.483	629.918	615.602	600.388	592.095	587.068
13.5	714.568	709.177	687.391	659.849	626.775	612.908	597.650	588.459	584.461
14.0	716.741	710.100	687.734	658.810	625.384	609.272	593.609	584.866	580.552
14.5	718.246	711.068	687.091	657.234	623.139	607.027	590.422	581.274	576.555
15.0	718.271	711.543	687.301	656.194	619.952	604.288	587.278	577.682	572.557
15.5	719.204	712.061	687.239	654.169	617.257	601.550	583.642	573.640	570.312
16.0	719.600	713.029	686.727	652.505	614.968	598.407	580.904	570.048	564.880
16.5	721.535	713.996	687.563	651.915	612.723	595.264	577.312	566.905	562.185
17.0	723.655	713.617	687.500	649.889	610.478	591.628	574.124	562.819	559.535
17.5	723.989	715.077	686.945	647.371	607.291	589.338	570.039	560.081	555.001
18.0	725.264	714.698	686.389	646.332	604.147	584.804	565.997	556.040	551.857
18.5	726.988	715.260	685.702	644.394	600.960	582.110	564.157	553.795	547.772
19.0	726.556	715.823	685.552	642.994	598.266	578.473	560.565	549.753	543.731
19.5	728.588	715.892	684.415	641.189	595.079	575.735	556.480	545.712	539.196
20.0	729.590	715.600	684.265	638.802	592.384	572.143	554.684	541.671	535.155
20.5	729.880	716.163	682.723	636.865	589.646	568.507	550.598	537.585	530.621
21.0	730.125	715.827	682.124	634.206	585.605	564.914	546.557	533.544	526.579
21.5	730.863	716.029	681.031	632.849	582.867	563.074	542.965	529.054	522.089
22.0	731.822	715.869	679.983	631.088	579.274	558.584	538.879	525.012	517.554
22.5	732.375	715.709	678.890	628.789	575.638	555.352	534.794	520.971	513.513
23.0	731.986	715.955	677.842	626.447	572.451	550.862	530.753	516.481	508.979
23.5	732.090	715.478	677.198	623.207	568.409	549.066	526.667	511.990	504.488
24.0	732.600	715.406	675.701	621.489	565.715	545.430	522.582	507.905	499.549
24.5	732.889	715.247	674.652	618.874	561.630	541.388	518.541	503.458	495.508
25.0	732.280	715.131	672.706	616.980	560.283	537.259	514.455	498.924	490.973
25.5	731.222	714.117	671.657	614.682	557.096	533.218	510.414	494.434	486.034
26.0	731.512	713.870	670.159	611.036	553.952	529.132	505.880	490.392	481.949
26.5	730.947	712.724	668.706	608.245	549.867	525.091	501.794	485.902	476.965

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CANDELA TABULATION - (Cont.)

27.0	729.933	712.027	667.745	605.946	545.782	520.962	497.304	481.411	472.475
27.5	729.906	711.780	665.033	603.648	542.145	516.920	493.219	476.877	467.940
28.0	730.195	710.634	663.262	599.509	538.104	512.386	489.133	472.387	463.001
28.5	729.005	709.488	661.896	597.616	534.512	508.345	484.643	467.896	458.467
29.0	728.035	709.241	660.531	593.971	530.021	504.259	480.152	462.957	453.976
29.5	727.832	707.197	658.804	590.237	525.936	499.769	475.618	458.467	449.261
30.0	727.487	705.963	656.990	587.895	521.851	495.191	471.577	453.932	444.593
30.5	726.341	704.949	655.175	584.698	517.809	491.149	467.042	449.397	440.102
31.0	726.182	704.253	653.404	581.414	513.768	486.615	462.552	444.862	435.433
31.5	725.212	703.468	650.692	579.969	509.683	482.124	458.062	440.416	430.808
32.0	723.705	702.322	649.370	576.236	505.192	478.039	453.527	435.790	426.362
32.5	723.994	700.728	647.062	574.342	501.107	473.505	448.992	431.300	421.649
33.0	721.546	700.075	645.160	571.146	497.065	469.014	444.457	426.586	416.934
33.5	721.967	697.987	642.808	567.457	492.531	464.480	439.966	422.050	412.399
34.0	721.358	696.436	640.007	564.216	488.041	459.990	435.432	417.605	407.685
34.5	719.939	694.842	637.207	560.482	483.506	455.904	430.897	412.980	403.105
35.0	718.257	693.247	635.348	556.793	479.016	451.279	426.451	408.445	398.659
35.5	717.199	692.145	633.401	553.553	474.975	446.745	422.005	403.864	393.989
36.0	715.507	689.652	630.689	549.863	470.484	442.209	417.470	399.374	389.320
36.5	714.537	688.058	628.786	546.173	465.545	437.675	412.756	394.973	384.695
37.0	712.986	686.956	625.492	542.440	461.010	433.275	408.356	390.349	380.025
37.5	711.612	684.507	622.648	538.750	456.520	428.606	403.865	385.679	375.625
38.0	711.047	682.463	620.833	535.061	452.030	424.070	399.285	381.279	370.866
38.5	708.237	680.913	617.134	531.371	447.450	419.445	394.795	376.699	366.151
39.0	706.862	679.811	614.739	527.233	442.780	415.000	390.214	372.209	361.571
39.5	704.906	677.318	615.081	523.499	438.245	410.465	385.814	367.629	357.036
40.0	704.385	675.767	612.325	519.810	433.575	405.795	381.369	363.139	352.635
40.5	701.664	674.129	609.568	515.671	428.906	401.261	376.744	358.648	348.100
41.0	699.620	671.768	606.723	511.938	424.371	396.726	372.254	354.114	343.477
41.5	697.347	669.724	603.967	507.887	419.611	392.012	367.674	349.713	339.031
42.0	696.782	668.085	600.673	504.242	414.986	387.700	363.184	345.134	334.586
42.5	694.914	666.085	597.872	500.596	410.316	383.121	358.649	340.553	330.184
43.0	692.597	662.694	594.984	497.039	405.647	378.495	354.159	336.243	325.516
43.5	691.496	661.100	592.227	492.988	400.752	373.870	349.533	331.619	321.160
44.0	689.135	659.056	589.021	488.937	396.172	369.336	344.908	327.083	316.894
44.5	687.267	657.056	585.683	484.843	391.412	364.846	340.374	322.639	312.449
45.0	685.892	655.461	582.927	481.153	386.742	360.087	335.884	318.058	308.094
45.5	682.950	652.563	579.677	477.105	382.073	355.506	331.214	313.658	303.514
46.0	682.747	650.564	576.427	473.101	377.313	350.880	326.723	309.212	299.114
46.5	680.025	649.418	573.627	469.051	372.597	346.301	322.098	304.678	294.893
47.0	679.011	648.721	570.377	464.913	367.704	341.721	317.563	300.322	290.628
47.5	677.504	646.853	567.083	460.997	362.854	337.051	313.028	295.832	286.092
48.0	675.680	644.229	563.965	457.081	358.049	332.247	308.582	291.566	281.692
48.5	672.738	641.868	560.584	453.120	353.334	327.577	303.958	287.122	277.336
49.0	670.914	639.375	557.378	449.024	348.620	322.952	299.423	282.811	272.891
49.5	669.135	636.882	554.084	444.930	343.861	318.417	294.977	278.456	268.670
50.0	669.380	634.926	550.791	440.925	339.056	313.793	290.533	274.100	264.224
50.5	666.165	632.433	547.585	436.788	334.296	309.033	285.952	269.968	259.914
51.0	665.556	630.029	544.379	432.784	329.581	304.453	281.507	265.569	255.560
51.5	663.327	627.580	540.636	428.644	324.866	299.738	276.971	261.213	251.339
52.0	661.098	624.638	537.299	424.327	320.062	295.202	272.616	256.948	247.208
52.5	659.187	622.189	534.093	420.278	315.347	290.623	268.171	252.682	242.897
53.0	656.826	619.652	530.394	416.050	310.587	285.953	263.681	248.416	238.541
53.5	654.465	617.247	527.056	411.867	305.962	281.238	259.190	244.195	234.186
54.0	652.280	614.711	523.582	407.594	301.158	276.703	254.745	239.840	230.324
54.5	649.919	611.945	519.973	403.276	296.533	272.213	250.345	235.665	226.060

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CANDELA TABULATION - (Cont.)

55.0	647.646	609.408	516.545	399.093	291.818	267.543	245.900	231.354	221.748
55.5	645.329	606.466	513.160	394.730	287.148	262.829	241.500	227.088	217.617
56.0	643.056	604.017	509.641	390.503	282.388	258.293	237.144	223.002	213.262
56.5	640.871	601.075	505.988	386.095	277.672	253.669	232.609	218.601	209.266
57.0	638.554	598.670	502.380	381.732	272.913	249.133	228.387	214.561	205.313
57.5	635.788	595.773	498.904	377.370	268.243	244.420	224.077	210.205	200.958
58.0	633.340	592.787	495.341	372.872	263.394	239.839	219.632	206.119	196.782
58.5	631.154	589.889	491.690	368.510	258.634	235.303	215.366	201.943	192.561
59.0	628.838	587.079	487.902	364.012	253.784	230.724	211.100	197.722	188.565
59.5	626.116	584.049	484.382	359.515	248.890	226.099	206.879	193.635	184.479
60.0	623.174	581.107	480.595	355.153	244.085	221.430	202.658	189.504	180.347
60.5	620.496	578.209	477.077	350.791	239.325	216.850	198.349	185.418	176.216
61.0	618.179	575.266	473.424	346.517	234.611	212.225	194.038	181.287	172.130
61.5	615.369	572.324	469.771	342.111	229.806	207.734	189.727	177.156	167.999
62.0	612.110	569.202	465.938	337.613	225.090	203.110	185.596	173.025	164.047
62.5	609.344	566.124	462.328	333.206	220.240	198.575	181.285	168.849	159.871
63.0	606.578	563.180	458.722	328.799	215.570	193.905	176.975	164.763	155.875
63.5	603.812	559.924	455.069	324.391	210.810	189.280	172.753	160.721	151.744
64.0	601.090	556.758	451.237	319.983	206.051	184.879	168.487	156.545	147.883
64.5	597.875	553.636	447.630	315.577	201.337	180.299	164.132	152.458	144.155
65.0	594.796	550.515	443.663	310.990	196.577	175.809	159.776	148.417	139.979
65.5	591.673	547.214	440.009	306.448	191.772	171.228	155.600	144.331	136.027
66.0	588.638	543.822	436.312	302.042	187.101	166.649	151.244	140.334	132.166
66.5	585.780	540.567	432.391	297.590	182.432	162.069	147.069	136.203	128.304
67.0	582.566	537.309	428.737	293.138	177.761	157.578	142.982	132.252	124.577
67.5	579.441	534.052	424.815	288.551	173.090	153.178	138.806	128.255	120.670
68.0	576.361	530.663	420.984	284.010	168.197	148.822	134.586	124.304	116.674
68.5	573.101	527.271	417.197	279.514	163.482	144.242	130.365	120.352	112.722
69.0	570.247	523.926	413.230	275.108	158.857	139.886	126.189	116.401	109.085
69.5	567.032	520.670	409.532	270.745	154.232	135.396	122.236	112.539	105.313
70.0	563.996	517.277	405.567	266.383	149.562	131.040	118.151	108.677	101.540
70.5	560.870	513.842	401.734	261.976	144.937	126.596	114.110	104.726	97.635
71.0	557.835	510.451	397.858	257.437	140.267	122.285	110.068	100.999	93.863
71.5	554.752	507.059	393.804	253.076	135.866	117.974	106.118	97.272	90.136
72.0	551.407	503.446	390.016	248.849	131.285	113.663	102.165	93.545	86.722
72.5	548.235	500.143	386.139	244.532	126.391	109.397	98.259	89.952	82.905
73.0	544.934	496.663	382.353	240.350	121.990	105.222	94.442	86.180	79.313
73.5	541.718	493.094	378.523	236.032	117.455	101.180	90.580	82.498	75.631
74.0	538.547	489.658	374.558	231.717	113.009	97.094	86.763	78.995	72.129
74.5	535.112	486.046	370.725	227.446	108.698	93.052	83.036	75.447	68.851
75.0	531.852	482.611	366.717	223.308	104.342	89.011	79.354	71.946	65.304
75.5	528.504	479.041	362.888	218.994	100.076	85.060	75.671	68.353	61.935
76.0	525.112	475.606	359.236	214.768	95.810	81.198	71.945	64.986	58.657
76.5	521.716	471.993	355.317	210.763	91.544	77.381	68.263	61.483	55.425
77.0	518.279	468.603	351.487	206.494	87.412	73.564	64.849	58.205	52.415
77.5	514.841	465.036	347.658	202.535	83.191	69.792	61.303	54.882	49.272
78.0	511.494	461.602	343.962	198.489	79.239	66.020	57.845	51.694	46.219
78.5	507.877	458.036	340.310	194.665	75.243	62.338	54.432	48.550	43.165
79.0	504.486	454.379	336.571	190.619	71.380	58.791	51.065	45.407	40.067
79.5	501.048	450.946	332.920	186.707	67.474	55.288	47.786	42.263	37.238
80.0	497.525	447.468	329.227	182.842	63.611	51.875	44.597	39.300	34.364
80.5	493.999	443.948	325.532	179.198	59.884	48.462	41.454	36.336	31.580
81.0	490.697	440.560	322.106	175.555	56.291	45.139	38.401	33.462	28.706
81.5	487.305	436.904	318.548	171.913	52.788	41.950	35.391	30.633	25.922
82.0	483.870	433.516	315.122	168.272	49.331	38.807	32.384	27.849	23.319
82.5	480.789	430.443	311.743	164.764	45.873	35.798	29.599	25.289	20.847

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CANDELA TABULATION - (Cont.)

83.0	477.445	427.145	308.275	161.479	42.550	32.745	26.815	22.684	18.288
83.5	474.280	423.802	304.896	158.240	39.362	29.780	24.165	20.125	15.819
84.0	471.202	420.639	301.697	155.003	36.264	26.951	21.561	17.655	13.393
84.5	468.035	417.388	298.453	151.765	33.210	24.212	18.912	15.185	11.149
85.0	465.047	414.091	295.255	148.707	30.246	21.563	16.397	12.895	9.127
85.5	462.103	411.062	291.921	145.649	27.328	18.913	13.971	10.695	7.331
86.0	459.163	408.165	288.723	142.726	24.499	16.354	11.636	8.719	6.029
86.5	456.440	405.532	285.837	139.802	21.759	13.883	9.391	7.192	5.130
87.0	453.937	403.693	282.991	137.102	19.155	11.458	7.415	5.979	4.546
87.5	452.137	402.296	280.854	134.314	16.551	9.123	6.022	5.215	4.186
88.0	451.266	401.647	279.330	131.569	13.901	6.832	5.034	4.676	4.004
88.5	450.610	401.173	278.378	129.175	11.252	4.946	4.495	4.272	3.781
89.0	450.221	401.054	278.135	127.531	8.557	4.048	4.180	4.136	3.735
89.5	450.143	400.979	277.934	126.986	6.265	3.733	4.046	4.002	3.690
90.0	450.194	400.948	277.957	127.018	5.359	3.643	4.000	4.001	3.734
90.5	449.848	401.053	277.983	127.273	6.365	3.642	3.999	4.000	3.688
91.0	450.036	401.381	278.319	128.468	8.563	3.685	3.954	4.044	3.688
91.5	450.135	401.978	279.059	130.563	11.202	4.389	3.998	3.999	3.643
92.0	450.683	402.933	280.740	133.062	13.753	5.664	4.130	3.954	3.731
92.5	451.274	404.558	283.048	135.562	16.215	7.731	4.481	4.086	3.819
93.0	452.493	406.590	285.803	138.461	18.677	10.149	5.360	4.262	4.127
93.5	454.071	409.157	288.738	141.048	21.228	12.568	6.856	4.745	4.831
94.0	456.411	412.083	291.758	143.989	23.910	15.031	8.879	5.712	6.194
94.5	459.244	415.054	294.600	146.886	26.637	17.405	11.210	7.252	8.085
95.0	462.210	418.245	297.933	149.781	29.452	20.000	13.584	9.099	10.195
95.5	465.177	421.481	301.130	152.811	32.355	22.640	16.047	11.342	12.615
96.0	468.277	424.493	304.282	155.927	35.345	25.278	18.686	13.761	14.990
96.5	471.288	427.595	307.523	159.177	38.423	28.048	21.281	16.179	17.541
97.0	474.342	430.742	310.765	162.469	41.589	30.819	23.964	18.730	20.136
97.5	477.486	433.974	314.050	165.761	44.889	33.766	26.691	21.414	22.686
98.0	480.538	437.207	317.338	169.273	48.142	36.756	29.417	24.009	25.280
98.5	483.768	440.529	320.800	172.830	51.618	39.835	32.275	26.735	28.096
99.0	486.954	443.895	324.263	176.341	55.224	43.133	35.222	29.505	30.911
99.5	490.140	447.171	327.768	180.030	58.829	46.388	38.256	32.409	33.858
100.0	493.325	450.536	331.362	183.761	62.524	49.818	41.291	35.311	36.672
100.5	496.510	453.944	334.911	187.493	66.306	53.249	44.457	38.214	39.663
101.0	499.873	457.264	338.549	191.356	70.177	56.679	47.757	41.205	42.609
101.5	502.969	460.582	342.141	195.176	74.090	60.374	51.011	44.239	45.732
102.0	506.330	464.037	345.909	199.084	78.093	63.803	54.398	47.362	48.943
102.5	509.558	467.356	349.545	202.946	82.095	67.674	57.784	50.572	52.110
103.0	512.878	470.764	353.224	206.854	86.274	72.248	61.258	53.783	55.364
103.5	516.193	474.128	356.947	210.849	90.496	76.030	64.777	57.081	58.575
104.0	519.514	477.490	360.716	214.933	94.630	79.240	68.295	60.425	62.005
104.5	522.740	481.031	364.438	218.927	98.852	83.287	71.990	63.854	65.436
105.0	526.146	484.351	368.117	222.922	103.250	87.157	75.641	67.329	68.910
105.5	529.065	487.758	371.928	227.006	107.605	91.247	79.334	70.804	72.384
106.0	532.424	491.165	375.606	231.132	112.002	95.821	83.117	74.322	75.948
106.5	535.565	494.440	379.285	235.304	116.532	100.571	86.944	77.885	79.465
107.0	538.838	497.803	383.007	239.343	120.975	104.045	90.726	81.535	83.292
107.5	542.110	501.209	386.686	243.514	125.504	107.783	94.684	85.141	86.855
108.0	545.250	504.528	390.498	247.773	130.035	112.005	98.554	89.012	90.593
108.5	548.345	507.846	394.265	252.033	134.653	116.316	102.468	92.706	94.288
109.0	551.661	511.033	397.988	256.247	139.227	120.581	106.514	96.577	98.070
109.5	554.712	514.575	401.710	260.418	143.801	124.892	110.517	100.315	101.809
110.0	557.896	517.672	405.345	264.765	148.463	129.246	114.476	104.185	105.724
110.5	560.992	520.992	408.847	269.024	153.125	133.600	118.566	108.055	109.550

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CANDELA TABULATION - (Cont.)

111.0	564.131	524.090	412.525	273.284	157.830	137.999	122.656	111.971	113.464
111.5	567.185	527.321	416.249	277.631	162.536	142.397	126.702	115.929	117.202
112.0	570.104	530.553	419.882	281.934	167.242	146.839	130.880	119.887	120.984
112.5	573.244	533.740	423.605	286.324	172.081	151.369	135.102	123.801	124.855
113.0	576.073	536.928	427.285	290.627	176.743	155.899	139.236	127.715	128.813
113.5	579.169	540.071	430.918	295.106	181.448	160.474	143.502	131.762	132.859
114.0	582.131	543.080	434.551	299.409	186.286	164.960	147.857	135.764	136.817
114.5	585.050	546.178	438.186	303.755	190.948	169.577	153.046	139.899	140.775
115.0	587.793	549.323	441.820	308.147	195.699	174.152	158.587	143.989	144.822
115.5	590.582	552.421	445.410	312.494	200.492	178.814	162.545	147.991	148.737
116.0	593.588	555.299	449.090	316.840	205.286	183.388	165.273	152.081	153.003
116.5	596.289	558.399	452.546	321.188	209.992	187.962	169.055	156.171	157.005
117.0	599.295	561.499	456.269	325.578	214.787	192.712	174.070	160.349	161.184
117.5	601.951	564.332	459.770	329.881	219.668	197.243	179.699	164.351	165.141
118.0	604.607	567.385	463.316	334.272	224.330	201.992	184.184	168.574	169.276
118.5	607.128	570.221	467.038	338.574	229.168	206.655	187.265	172.576	173.366
119.0	609.829	572.967	470.497	342.966	233.963	211.229	190.695	176.886	177.589
119.5	612.530	576.152	474.042	347.268	238.756	215.759	194.917	181.020	181.546
120.0	615.096	579.033	477.543	351.527	243.639	220.377	199.227	185.243	185.945
120.5	617.707	581.823	481.045	355.697	248.389	225.083	203.581	189.422	189.991
121.0	620.318	584.569	484.592	360.044	253.007	229.657	207.891	193.688	194.126
121.5	622.974	587.450	488.005	364.258	257.845	234.187	212.201	198.745	198.261
122.0	625.145	590.240	491.508	368.605	262.638	238.762	216.688	204.507	202.482
122.5	627.846	592.501	494.877	372.820	267.344	243.292	220.998	209.432	206.749
123.0	630.502	595.382	498.335	377.034	272.095	247.955	225.397	212.688	210.971
123.5	633.158	598.083	501.838	381.204	276.889	252.485	229.795	216.602	215.325
124.0	635.374	600.478	505.339	385.375	281.550	257.103	234.238	221.704	221.175
124.5	638.030	603.224	508.707	389.634	286.345	261.765	238.636	226.014	228.784
125.0	640.336	606.060	512.211	393.847	291.007	266.207	243.122	228.917	233.665
125.5	642.507	608.411	515.668	398.063	295.801	270.825	247.520	231.997	235.953
126.0	645.118	611.201	518.906	402.101	300.463	275.399	251.962	236.086	236.744
126.5	647.290	613.642	522.361	406.227	305.125	279.886	256.316	240.309	240.439
127.0	649.596	616.433	526.041	410.354	309.875	284.548	260.714	244.576	244.661
127.5	651.857	618.784	529.191	414.349	314.581	289.077	265.157	248.798	248.928
128.0	654.028	621.179	532.251	418.519	319.199	293.739	269.644	253.064	253.282
128.5	656.289	623.970	535.885	422.645	323.994	298.402	273.909	257.375	257.548
129.0	658.550	626.366	539.035	426.684	328.743	302.932	278.528	261.772	261.902
129.5	658.522	628.716	542.185	430.767	333.449	307.506	283.058	266.039	266.256
130.0	660.828	631.067	545.820	434.849	338.111	312.080	287.544	270.305	270.611
130.5	662.210	633.418	548.925	438.976	342.774	316.743	292.031	274.571	275.009
131.0	664.381	635.284	552.075	442.970	347.524	321.316	296.384	278.882	279.319
131.5	664.928	637.330	555.225	447.009	352.317	325.846	300.827	283.280	283.673
132.0	668.373	639.241	558.374	451.003	357.023	330.376	305.400	287.634	288.159
132.5	670.679	641.107	561.524	454.998	361.818	334.995	309.842	291.988	292.512
133.0	671.666	642.713	564.674	458.905	366.568	339.525	314.460	296.255	296.868
133.5	673.837	644.185	567.824	462.943	371.187	344.144	318.902	301.180	301.222
134.0	676.978	647.020	570.929	467.026	375.848	348.762	323.477	305.490	305.709
134.5	677.920	648.931	573.639	471.020	380.554	353.247	328.007	309.889	310.018
135.0	680.136	651.767	576.789	475.104	385.260	357.953	332.448	314.331	314.638
135.5	682.881	653.193	579.939	478.658	389.967	362.571	337.024	318.818	318.903
136.0	683.778	655.149	582.954	482.741	394.629	367.190	341.466	323.083	323.390
136.5	686.874	657.105	585.754	486.690	399.246	371.631	345.951	327.526	327.654
137.0	686.936	659.411	588.419	490.729	403.953	376.293	350.481	331.881	332.319
137.5	689.502	661.807	591.614	494.373	408.528	380.957	354.835	336.233	336.717
138.0	690.444	663.278	593.310	498.277	413.143	385.440	359.274	340.586	340.843
138.5	693.145	666.114	595.625	501.876	417.586	389.970	363.806	345.206	345.553

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CANDELA TABULATION - (Cont.)

139.0	694.661	667.190	598.775	505.870	422.160	394.368	368.248	349.560	350.040
139.5	695.908	669.056	601.000	509.379	426.779	398.987	372.691	354.002	354.483
140.0	697.289	671.057	603.755	512.933	431.309	403.385	377.001	358.356	358.882
140.5	699.595	673.058	605.146	516.882	435.884	407.960	381.576	362.931	363.632
141.0	700.932	674.969	607.416	520.391	440.547	412.403	386.106	367.593	368.294
141.5	702.753	675.651	610.566	524.340	445.165	416.889	390.548	372.167	372.824
142.0	703.784	678.091	612.792	527.894	449.563	421.375	394.989	376.741	377.398
142.5	705.166	680.003	615.547	531.403	453.961	425.773	399.387	381.095	381.972
143.0	707.337	681.429	617.772	535.002	458.359	430.259	403.785	385.493	386.502
143.5	709.203	682.505	620.042	538.601	463.197	434.832	408.358	390.155	391.076
144.0	708.386	684.066	622.753	542.200	467.639	439.318	412.756	394.728	395.649
144.5	710.782	686.067	625.023	545.754	472.082	443.540	417.242	399.257	400.223
145.0	712.998	687.583	626.853	548.958	476.480	447.938	421.640	403.656	404.974
145.5	713.105	689.100	630.003	552.557	480.878	452.381	426.037	408.185	409.372
146.0	714.441	690.086	631.789	555.761	484.881	456.779	430.347	412.583	413.902
146.5	716.882	692.087	634.104	558.040	489.279	461.177	434.701	417.068	418.432
147.0	717.869	693.074	636.329	561.200	493.677	465.575	439.231	421.509	423.005
147.5	719.735	695.119	638.205	563.524	497.680	470.063	443.585	425.995	427.403
148.0	719.752	695.316	640.475	566.243	502.078	474.416	447.983	430.481	432.021
148.5	719.904	696.393	641.866	569.842	506.081	478.374	452.426	434.967	436.507
149.0	721.240	698.393	644.136	573.001	510.524	482.377	456.779	439.364	441.080
149.5	721.922	697.711	645.527	575.326	514.482	486.820	461.177	443.630	445.479
150.0	722.334	699.622	647.797	578.970	518.440	491.218	465.575	448.028	450.317
150.5	723.760	700.698	650.552	581.734	522.399	495.221	469.973	452.866	454.715
151.0	723.822	701.774	651.108	584.938	526.402	499.179	473.976	457.219	459.508
151.5	725.294	702.016	653.818	587.657	530.405	503.577	478.374	461.662	463.951
152.0	725.401	702.698	654.814	590.861	534.408	507.580	482.772	466.015	468.743
152.5	725.023	703.774	656.689	593.186	538.366	511.538	487.215	470.413	473.186
153.0	725.130	703.971	658.565	596.390	541.929	515.542	491.128	474.371	477.584
153.5	726.556	705.092	659.956	599.154	544.173	519.500	495.571	479.209	481.982
154.0	725.784	705.774	660.951	602.358	548.571	523.942	499.529	483.562	486.865
154.5	726.770	706.015	661.857	604.683	551.650	527.461	503.927	487.960	491.308
155.0	727.712	706.652	663.643	607.007	554.333	531.509	507.930	491.918	495.661
155.5	727.424	706.499	664.899	609.816	557.457	535.422	512.328	496.316	500.104
156.0	726.167	707.180	665.715	612.096	561.415	539.470	516.331	500.714	504.457
156.5	727.153	707.907	666.621	614.905	564.538	541.669	520.289	505.067	508.415
157.0	727.610	707.663	667.967	617.274	568.102	545.672	524.248	509.025	512.858
157.5	725.590	707.950	668.873	619.114	571.180	549.191	528.690	513.423	517.256
158.0	725.723	706.917	669.914	621.438	574.304	552.709	532.649	517.821	521.654
158.5	724.546	707.204	670.515	623.368	577.822	555.393	536.167	521.779	525.612
159.0	723.334	707.491	671.555	625.692	580.946	558.911	538.806	525.737	530.010
159.5	724.500	707.732	672.156	628.062	583.584	562.869	544.128	530.135	533.968
160.0	723.063	707.489	672.802	629.947	587.148	565.993	546.327	534.093	538.366
160.5	722.030	707.201	673.888	631.436	589.831	569.556	550.330	538.052	542.369
161.0	722.397	707.263	674.534	633.366	592.030	572.634	553.409	541.130	546.722
161.5	721.544	705.656	675.574	635.250	595.549	576.153	556.092	545.088	550.240
162.0	720.961	704.973	674.506	637.180	597.748	579.276	560.051	549.047	551.910
162.5	719.308	703.896	676.031	637.790	601.311	582.840	563.129	552.125	555.778
163.0	718.841	704.622	675.842	640.160	603.555	586.358	567.572	555.204	559.162
163.5	718.023	703.194	676.093	641.165	606.633	589.042	570.651	559.162	563.075
164.0	718.265	703.176	676.739	642.654	608.832	591.680	573.729	562.680	566.549
164.5	716.837	701.793	676.550	643.659	611.516	594.759	577.732	566.683	571.297
165.0	715.455	701.730	676.801	645.149	614.155	598.277	581.251	569.762	574.815
165.5	713.192	699.467	676.657	646.594	616.838	600.521	583.889	572.840	577.894
166.0	713.174	698.614	676.424	648.084	619.038	603.160	587.013	576.799	582.202
166.5	712.186	697.716	676.719	649.574	620.797	606.283	590.486	580.317	586.160

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167.0	711.108	696.818	676.136	649.349	623.041	608.482	594.050	583.441	589.678
167.5	709.196	695.130	675.992	650.444	624.845	611.121	596.249	587.443	592.757
168.0	706.144	693.837	675.848	651.539	627.044	613.805	599.812	590.962	596.320
168.5	705.685	692.804	675.704	652.679	629.243	616.444	603.375	594.525	599.793
169.0	703.028	691.287	674.680	652.014	631.486	619.082	605.529	597.164	602.827
169.5	701.690	689.644	674.536	653.504	632.761	620.842	609.048	601.122	605.421
170.0	700.352	687.956	673.953	653.764	634.080	623.525	611.731	603.761	608.939
170.5	699.059	687.193	672.534	654.464	635.445	625.724	613.975	606.884	612.063
171.0	696.357	685.595	672.875	654.769	636.324	627.923	616.219	609.963	614.746
171.5	694.229	683.997	670.972	655.074	638.568	629.288	618.903	613.131	618.265
172.0	693.071	682.004	670.918	655.774	640.372	631.486	621.542	614.890	620.814
172.5	690.988	680.056	669.499	655.640	641.647	633.686	624.180	618.409	624.287
173.0	688.071	678.457	668.170	655.550	642.571	635.885	626.819	621.048	626.002
173.5	686.518	676.465	667.766	656.340	643.406	636.764	629.018	623.247	629.125
174.0	684.875	674.911	665.998	656.250	643.846	638.963	630.777	625.930	632.159
174.5	682.307	672.084	664.759	656.160	645.210	641.162	632.931	628.569	633.478
175.0	679.740	670.136	663.520	655.236	646.529	642.481	634.691	630.723	636.072
175.5	677.217	668.278	662.326	656.115	647.364	643.316	636.934	632.967	637.831
176.0	676.544	666.464	661.177	656.070	648.289	645.120	639.088	635.211	641.394
176.5	672.881	663.861	660.073	655.675	648.683	646.000	641.772	637.455	642.759
177.0	670.978	662.227	658.179	655.675	648.773	647.319	642.212	639.609	644.958
177.5	668.151	659.759	657.650	654.796	649.608	647.759	644.411	641.368	646.232
178.0	665.503	658.260	656.725	654.796	650.048	649.078	645.686	644.052	649.795
178.5	662.684	655.531	655.406	654.356	650.048	650.398	647.005	645.766	651.950
179.0	660.790	654.607	653.647	654.356	650.488	650.838	649.249	647.525	652.829
179.5	658.986	652.893	652.767	653.476	650.488	651.717	650.128	648.889	656.393
180.0	652.148	652.148	652.148	652.148	652.148	652.148	652.148	652.148	652.148

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-940U-L25-940D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	242.13	N.A.	5.50
0-30	514.34	N.A.	11.70
0-40	843.70	N.A.	19.20
0-60	1528.13	N.A.	34.70
0-80	2046.62	N.A.	46.50
0-90	2209.49	N.A.	50.20
10-90	2146.94	N.A.	48.80
20-40	601.57	N.A.	13.70
20-50	950.80	N.A.	21.60
40-70	975.84	N.A.	22.20
60-80	518.49	N.A.	11.80
70-80	227.08	N.A.	5.20
80-90	162.87	N.A.	3.70
90-110	388.48	N.A.	8.80
90-120	677.84	N.A.	15.40
90-130	1010.68	N.A.	23.00
90-150	1683.63	N.A.	38.20
90-180	2192.25	N.A.	49.80
110-180	1803.77	N.A.	41.00
0-180	4401.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.55
10-20	179.58
20-30	272.21
30-40	329.36
40-50	349.23
50-60	335.20
60-70	291.41
70-80	227.08
80-90	162.87
90-100	162.63
100-110	225.85
110-120	289.36
120-130	332.84
130-140	346.56
140-150	326.39
150-160	269.31
160-170	177.47
170-180	61.85

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-940U-L25-940D-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-L25-940U-L25-940D-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

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

Room Size UGR Viewed Crosswise

X=2H	Y=2H	19.0	19.9	19.9	20.9	22.1	UGR Viewed Endwise			
	3H	22.1	22.9	23.0	23.9	25.2	13.0	13.9	13.9	14.9
	4H	23.7	24.4	24.6	25.4	26.7	14.3	15.2	15.3	16.1
	6H	25.4	26.1	26.3	27.1	28.4	14.8	15.6	15.7	16.5
	8H	26.3	27.0	27.2	28.0	29.3	15.0	15.7	16.0	16.7
	12H	27.3	27.9	28.3	28.9	30.3	15.1	15.8	16.0	16.8
							15.1	15.7	16.1	16.7

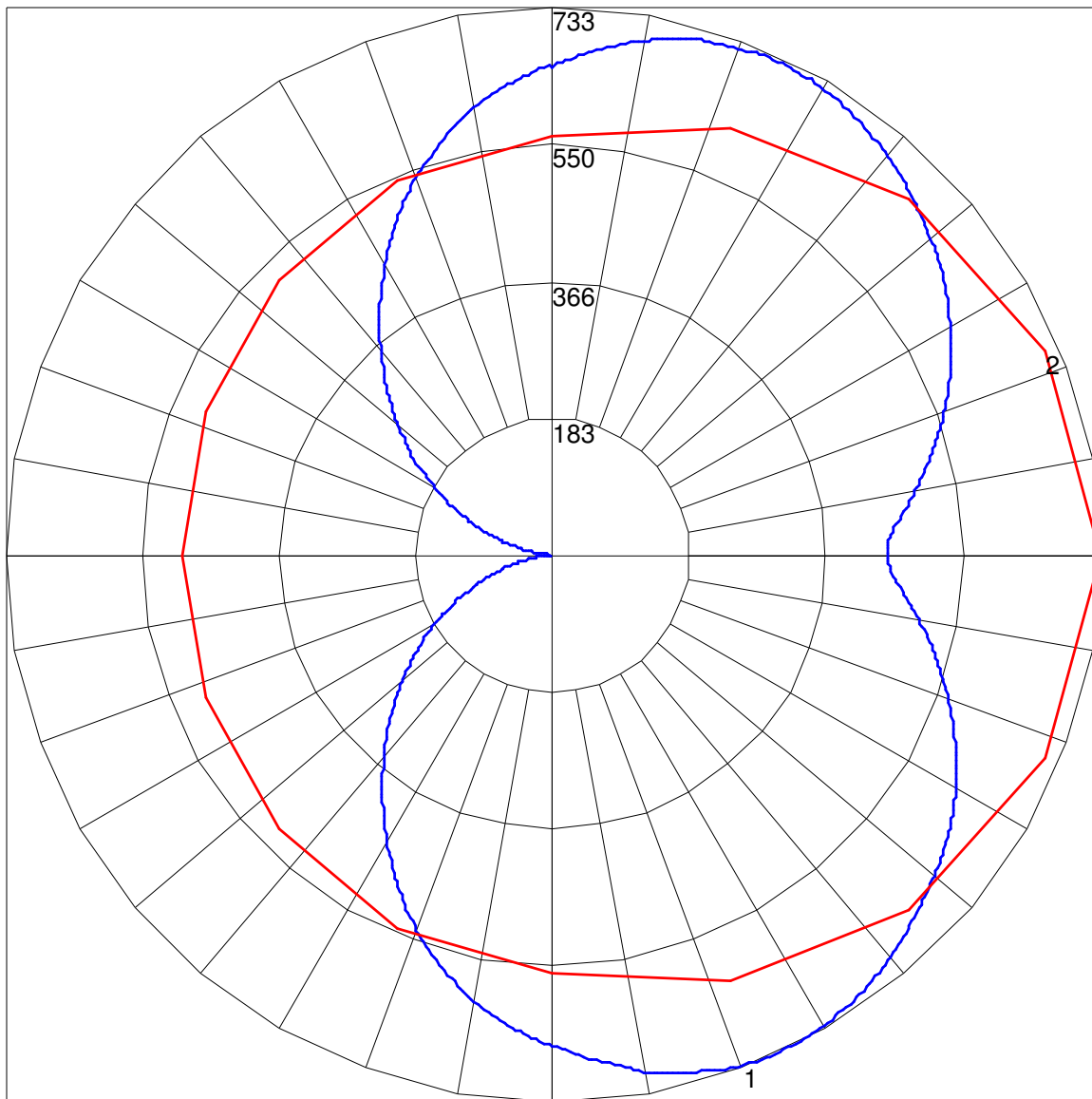
4H	2H	19.3	20.0	20.2	21.0	22.3	14.2	15.0	15.2	16.0
	3H	22.6	23.2	23.6	24.2	25.6	14.9	15.6	15.7	16.5
	4H	24.3	24.9	25.3	26.0	27.3	15.3	16.0	16.1	16.8
	6H	26.2	26.8	27.3	27.8	29.1	15.6	16.3	16.4	17.1
	8H	27.3	27.7	28.3	28.8	30.1	15.8	16.5	16.6	17.3
	12H	28.4	28.8	29.4	29.9	31.2	16.0	16.7	16.8	17.5

8H	4H	24.5	25.0	25.5	26.0	27.3	16.3	17.0	17.1	17.8
	6H	26.5	27.0	27.6	28.0	29.4	16.6	17.3	17.4	18.1
	8H	27.7	28.1	28.7	29.1	30.5	16.8	17.5	17.6	18.3
	12H	29.0	29.3	30.0	30.4	31.8	17.0	17.7	17.8	18.5

12H	4H	24.4	24.9	25.5	25.9	27.3	17.3	18.0	18.1	18.8
	6H	26.6	26.9	27.6	28.0	29.4	17.6	18.3	18.4	19.1
	8H	27.8	28.1	28.8	29.1	30.5	17.8	18.5	18.6	19.3

Maximum UGR = 31.8

POLAR GRAPH



Maximum Candela = 732.889 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.)