

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-950U-L25-950D-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-L25-950U-L25-950D-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	4555
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
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	9405	8906	8538
55	9350	8522	7832
65	9366	8227	6997
75	9529	8041	5774
85	10016	8224	4032

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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	681.734	681.734	681.734	681.734	681.734	681.734	681.734	681.734	681.734
0.5	682.692	683.830	682.563	685.159	680.512	684.048	679.456	679.420	679.485
1.0	684.551	685.452	685.068	685.715	680.093	683.028	677.506	677.470	677.580
1.5	687.011	687.629	685.806	687.200	680.093	681.123	676.486	675.101	674.327
2.0	689.097	690.317	687.473	687.337	679.583	679.684	674.627	673.197	672.423
2.5	692.113	692.166	689.696	687.938	679.118	678.754	672.768	671.803	670.610
3.0	694.109	694.945	691.455	688.075	678.654	677.825	671.374	669.014	668.241
3.5	696.751	697.395	692.748	689.651	678.654	675.920	669.051	667.110	666.847
4.0	700.231	699.846	694.971	689.787	677.679	674.062	668.121	664.787	663.594
4.5	701.807	701.877	696.729	689.505	677.214	673.597	665.798	662.463	660.760
5.0	702.682	704.418	698.250	691.035	676.284	671.273	663.009	660.094	658.017
5.5	705.925	706.495	698.751	691.217	674.890	668.950	661.615	657.771	656.623
6.0	708.102	708.153	700.090	690.935	673.915	668.440	659.756	655.866	653.789
6.5	709.861	711.296	701.475	690.698	673.032	666.626	657.342	652.568	651.047
7.0	711.619	713.281	702.394	690.789	672.521	665.141	655.018	649.734	647.748
7.5	713.413	714.939	703.360	690.597	670.152	662.818	652.230	647.411	644.495
8.0	716.865	716.132	704.553	689.385	668.758	660.494	649.907	644.577	641.242
8.5	719.924	717.881	705.745	690.077	668.293	659.100	647.538	641.789	638.035
9.0	724.104	719.720	706.802	689.330	665.970	656.731	644.704	638.025	634.782
9.5	726.171	721.323	707.439	689.557	664.530	653.943	641.916	635.192	633.853
10.0	728.475	723.809	708.031	688.901	663.136	652.038	639.592	632.404	628.741
10.5	730.734	725.275	709.087	688.199	660.813	649.760	636.758	629.105	626.463
11.0	732.109	726.322	709.724	687.078	659.838	647.391	633.460	626.782	623.210
11.5	733.348	727.970	709.897	685.957	657.050	644.603	630.717	623.019	619.028
12.0	734.121	729.154	710.534	685.766	655.191	643.164	627.884	619.766	615.356
12.5	736.799	731.266	710.752	684.645	653.751	639.400	624.631	616.513	612.103
13.0	738.311	732.404	711.061	683.524	651.892	637.077	621.332	612.750	607.547
13.5	739.494	733.916	711.370	682.867	648.639	634.289	618.498	608.986	604.850
14.0	741.744	734.871	711.725	681.792	647.200	630.526	614.316	605.269	600.804
14.5	743.301	735.873	711.059	680.160	644.876	628.202	611.018	601.551	596.667
15.0	743.327	736.364	711.277	679.085	641.578	625.368	607.765	597.833	592.530
15.5	744.292	736.900	711.212	676.989	638.790	622.535	604.002	593.651	590.207
16.0	744.702	737.902	710.683	675.267	636.421	619.282	601.168	589.933	584.585
16.5	746.705	738.903	711.548	674.656	634.097	616.029	597.450	586.681	581.796
17.0	748.899	738.510	711.483	672.560	631.774	612.266	594.152	582.453	579.054
17.5	749.244	740.022	710.908	669.954	628.475	609.897	589.924	579.619	574.361
18.0	750.564	739.629	710.333	668.878	625.222	605.204	585.742	575.437	571.108
18.5	752.348	740.211	709.622	666.873	621.924	602.416	583.837	573.113	566.880
19.0	751.900	740.793	709.466	665.424	619.136	598.653	580.120	568.931	562.698
19.5	754.004	740.865	708.290	663.556	615.837	595.819	575.892	564.749	558.005
20.0	755.041	740.563	708.134	661.086	613.049	592.101	574.033	560.566	553.823
20.5	755.340	741.145	706.539	659.081	610.215	588.338	569.805	556.338	549.131
21.0	755.594	740.798	705.919	656.329	606.033	584.621	565.623	552.156	544.948
21.5	756.359	741.006	704.788	654.925	603.199	582.716	561.905	547.509	540.301
22.0	757.350	740.841	703.703	653.102	599.481	578.069	557.677	543.327	535.609
22.5	757.923	740.676	702.572	650.724	595.718	574.725	553.449	539.144	531.426
23.0	757.520	740.930	701.487	648.300	592.420	570.078	549.267	534.497	526.734
23.5	757.628	740.437	700.821	644.946	588.238	568.220	545.039	529.850	522.087
24.0	758.155	740.362	699.272	643.169	585.449	564.456	540.812	525.622	516.975
24.5	758.455	740.197	698.187	640.462	581.222	560.274	536.629	521.021	512.793
25.0	757.825	740.077	696.172	638.503	579.827	556.001	532.401	516.328	508.100
25.5	756.730	739.028	695.087	636.124	576.529	551.818	528.219	511.681	502.988
26.0	757.030	738.772	693.537	632.351	573.276	547.591	523.527	507.499	498.761
26.5	756.445	737.586	692.033	629.463	569.048	543.408	519.299	502.852	493.603

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CANDELA TABULATION - (Cont.)

27.0	755.396	736.865	691.039	627.084	564.820	539.135	514.652	498.205	488.956
27.5	755.367	736.609	688.231	624.705	561.057	534.952	510.424	493.512	484.264
28.0	755.667	735.423	686.399	620.423	556.875	530.260	506.196	488.865	479.152
28.5	754.436	734.238	684.986	618.463	553.157	526.078	501.549	484.218	474.460
29.0	753.432	733.981	683.573	614.690	548.510	521.850	496.902	479.107	469.813
29.5	753.221	731.866	681.786	610.827	544.283	517.203	492.209	474.460	464.933
30.0	752.865	730.590	679.908	608.403	540.055	512.465	488.027	469.767	460.102
30.5	751.679	729.541	678.030	605.095	535.872	508.282	483.334	465.074	455.454
31.0	751.514	728.820	676.197	601.696	531.690	503.590	478.687	460.380	450.622
31.5	750.510	728.008	673.390	600.201	527.462	498.943	474.040	455.779	445.837
32.0	748.951	726.822	672.022	596.337	522.815	494.715	469.348	450.992	441.235
32.5	749.250	725.172	669.634	594.378	518.587	490.022	464.654	446.345	436.358
33.0	746.716	724.496	667.665	591.070	514.405	485.375	459.961	441.467	431.478
33.5	747.152	722.336	665.231	587.251	509.712	480.683	455.314	436.773	426.785
34.0	746.522	720.731	662.333	583.898	505.065	476.036	450.621	432.173	421.906
34.5	745.054	719.080	659.435	580.034	500.373	471.808	445.928	427.386	417.166
35.0	743.312	717.430	657.511	576.216	495.726	467.022	441.327	422.693	412.566
35.5	742.217	716.290	655.497	572.862	491.543	462.329	436.727	417.953	407.733
36.0	740.466	713.710	652.689	569.044	486.896	457.635	432.033	413.306	402.901
36.5	739.463	712.060	650.721	565.226	481.785	452.943	427.155	408.752	398.115
37.0	737.858	710.919	647.312	561.362	477.092	448.389	422.601	403.966	393.282
37.5	736.435	708.385	644.368	557.544	472.445	443.557	417.954	399.133	388.728
38.0	735.851	706.270	642.490	553.726	467.798	438.863	413.214	394.579	383.804
38.5	732.943	704.665	638.662	549.908	463.059	434.077	408.567	389.840	378.924
39.0	731.520	703.525	636.183	545.625	458.226	429.477	403.827	385.193	374.184
39.5	729.496	700.945	636.538	541.761	453.533	424.784	399.272	380.453	369.491
40.0	728.957	699.341	633.685	537.943	448.700	419.951	394.673	375.807	364.937
40.5	726.140	697.645	630.832	533.660	443.868	415.258	389.887	371.159	360.243
41.0	724.025	695.201	627.888	529.796	439.174	410.565	385.240	366.466	355.459
41.5	721.673	693.086	625.035	525.604	434.248	405.686	380.500	361.912	350.857
42.0	721.088	691.390	621.627	521.832	429.462	401.224	375.853	357.173	346.258
42.5	719.155	689.321	618.728	518.059	424.629	396.485	371.160	352.433	341.702
43.0	716.758	685.812	615.739	514.377	419.797	391.699	366.513	347.972	336.872
43.5	715.618	684.161	612.886	510.185	414.732	386.912	361.726	343.187	332.363
44.0	713.174	682.046	609.568	505.993	409.992	382.220	356.940	338.493	327.948
44.5	711.241	679.977	606.114	501.756	405.066	377.573	352.247	333.894	323.349
45.0	709.818	678.326	603.261	497.938	400.233	372.648	347.600	329.154	318.841
45.5	706.774	675.327	599.898	493.748	395.401	367.907	342.767	324.599	314.102
46.0	706.563	673.258	596.535	489.604	390.475	363.120	338.120	319.999	309.548
46.5	703.746	672.072	593.637	485.413	385.595	358.382	333.334	315.306	305.180
47.0	702.697	671.351	590.274	481.130	380.531	353.642	328.640	310.798	300.766
47.5	701.138	669.418	586.865	477.078	375.512	348.809	323.948	306.152	296.072
48.0	699.250	666.702	583.639	473.025	370.539	343.837	319.346	301.737	291.518
48.5	696.206	664.259	580.139	468.926	365.660	339.004	314.561	297.137	287.011
49.0	694.318	661.679	576.822	464.688	360.782	334.218	309.868	292.676	282.410
49.5	692.476	659.099	573.413	460.451	355.856	329.524	305.267	288.170	278.042
50.0	692.730	657.075	570.004	456.306	350.884	324.739	300.667	283.662	273.441
50.5	689.403	654.495	566.687	452.024	345.958	319.813	295.927	279.386	268.981
51.0	688.773	652.006	563.369	447.881	341.078	315.073	291.327	274.833	264.475
51.5	686.467	649.472	559.496	443.597	336.199	310.194	286.633	270.325	260.106
52.0	684.160	646.428	556.042	439.129	331.227	305.500	282.126	265.911	255.831
52.5	682.181	643.893	552.724	434.939	326.347	300.761	277.526	261.497	251.370
53.0	679.738	641.268	548.896	430.563	321.421	295.928	272.879	257.082	246.862
53.5	677.295	638.779	545.441	426.235	316.635	291.049	268.232	252.714	242.356
54.0	675.034	636.154	541.847	421.812	311.664	286.355	263.631	248.206	238.358
54.5	672.591	633.292	538.112	417.344	306.877	281.708	259.078	243.885	233.946

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CANDELA TABULATION - (Cont.)

55.0	670.238	630.666	534.564	413.015	301.998	276.876	254.478	239.424	229.483
55.5	667.841	627.622	531.061	408.500	297.165	271.998	249.925	235.010	225.208
56.0	665.488	625.087	527.420	404.125	292.239	267.303	245.416	230.781	220.702
56.5	663.227	622.043	523.638	399.563	287.359	262.518	240.724	226.227	216.566
57.0	660.829	619.554	519.905	395.048	282.434	257.824	236.354	222.045	212.475
57.5	657.967	616.555	516.308	390.534	277.600	252.946	231.894	217.538	207.969
58.0	655.433	613.465	512.621	385.879	272.582	248.205	227.294	213.309	203.647
58.5	653.172	610.466	508.842	381.365	267.656	243.512	222.879	208.987	199.279
59.0	650.774	607.558	504.922	376.710	262.637	238.773	218.464	204.619	195.143
59.5	647.957	604.423	501.279	372.056	257.572	233.986	214.096	200.390	190.914
60.0	644.912	601.378	497.360	367.542	252.600	229.154	209.728	196.115	186.639
60.5	642.141	598.379	493.719	363.028	247.674	224.414	205.268	191.886	182.363
61.0	639.743	595.333	489.938	358.605	242.795	219.628	200.806	187.611	178.135
61.5	636.835	592.289	486.158	354.045	237.822	214.981	196.345	183.335	173.859
62.0	633.463	589.058	482.192	349.390	232.942	210.195	192.070	179.061	169.770
62.5	630.600	585.872	478.456	344.829	227.923	205.502	187.609	174.739	165.448
63.0	627.738	582.826	474.724	340.268	223.090	200.669	183.149	170.511	161.312
63.5	624.875	579.456	470.944	335.707	218.164	195.882	178.780	166.327	157.037
64.0	622.058	576.179	466.978	331.146	213.238	191.328	174.365	162.006	153.042
64.5	618.731	572.949	463.245	326.585	208.360	186.588	169.857	157.777	149.184
65.0	615.545	569.719	459.140	321.838	203.434	181.941	165.350	153.595	144.862
65.5	612.313	566.302	455.359	317.138	198.462	177.201	161.028	149.366	140.773
66.0	609.172	562.792	451.532	312.578	193.628	172.462	156.520	145.230	136.776
66.5	606.215	559.423	447.474	307.971	188.796	167.722	152.199	140.955	132.780
67.0	602.888	556.053	443.693	303.364	183.962	163.075	147.970	136.865	128.923
67.5	599.654	552.682	439.634	298.617	179.128	158.521	143.648	132.729	124.880
68.0	596.467	549.175	435.670	293.918	174.064	154.014	139.281	128.640	120.744
68.5	593.093	545.665	431.751	289.264	169.185	149.274	134.912	124.551	116.654
69.0	590.140	542.203	427.645	284.704	164.398	144.766	130.591	120.461	112.890
69.5	586.813	538.833	423.818	280.190	159.612	140.119	126.500	116.465	108.987
70.0	583.670	535.322	419.715	275.676	154.779	135.612	122.273	112.468	105.082
70.5	580.435	531.767	415.748	271.115	149.993	131.012	118.090	108.379	101.040
71.0	577.294	528.257	411.737	266.418	145.160	126.551	113.908	104.522	97.137
71.5	574.104	524.747	407.541	261.904	140.605	122.090	109.820	100.665	93.280
72.0	570.643	521.008	403.621	257.529	135.864	117.628	105.729	96.808	89.747
72.5	567.360	517.590	399.609	253.062	130.800	113.214	101.686	93.090	85.797
73.0	563.944	513.989	395.691	248.734	126.245	108.892	97.736	89.187	82.080
73.5	560.616	510.295	391.727	244.266	121.553	104.710	93.740	85.376	78.269
74.0	557.334	506.739	387.623	239.800	116.951	100.481	89.790	81.751	74.645
74.5	553.778	503.002	383.657	235.381	112.490	96.299	85.933	78.079	71.253
75.0	550.405	499.446	379.510	231.098	107.982	92.116	82.122	74.456	67.582
75.5	546.940	495.752	375.547	226.633	103.567	88.027	78.311	70.738	64.096
76.0	543.430	492.197	371.767	222.260	99.152	84.030	74.455	67.253	60.703
76.5	539.915	488.457	367.712	218.115	94.737	80.080	70.644	63.628	57.358
77.0	536.358	484.950	363.748	213.697	90.461	76.130	67.111	60.236	54.244
77.5	532.801	481.258	359.786	209.600	86.093	72.227	63.441	56.797	50.991
78.0	529.337	477.704	355.961	205.413	82.003	68.323	59.863	53.498	47.831
78.5	525.594	474.014	352.182	201.455	77.868	64.513	56.331	50.244	44.671
79.0	522.085	470.230	348.312	197.269	73.870	60.842	52.846	46.991	41.465
79.5	518.527	466.677	344.534	193.220	69.827	57.217	49.453	43.738	38.537
80.0	514.880	463.078	340.712	189.220	65.830	53.684	46.153	40.671	35.563
80.5	511.232	459.435	336.888	185.449	61.973	50.153	42.900	37.604	32.682
81.0	507.814	455.928	333.343	181.679	58.254	46.714	39.740	34.630	29.707
81.5	504.304	452.144	329.660	177.911	54.630	43.413	36.626	31.702	26.826
82.0	500.749	448.639	326.115	174.142	51.051	40.160	33.513	28.821	24.132
82.5	497.561	445.459	322.618	170.511	47.473	37.047	30.631	26.171	21.574

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CANDELA TABULATION - (Cont.)

83.0	494.100	442.046	319.029	167.112	44.034	33.887	27.750	23.476	18.926
83.5	490.824	438.586	315.532	163.760	40.735	30.819	25.008	20.827	16.370
84.0	487.639	435.313	312.221	160.410	37.529	27.891	22.313	18.271	13.860
84.5	484.362	431.948	308.865	157.059	34.368	25.057	19.571	15.715	11.538
85.0	481.270	428.536	305.555	153.894	31.302	22.315	16.969	13.345	9.445
85.5	478.223	425.402	302.104	150.730	28.281	19.573	14.459	11.068	7.587
86.0	475.180	422.404	298.794	147.704	25.353	16.924	12.042	9.024	6.239
86.5	472.362	419.679	295.808	144.679	22.519	14.367	9.719	7.442	5.309
87.0	469.772	417.776	292.863	141.885	19.823	11.858	7.674	6.188	4.705
87.5	467.909	416.329	290.651	138.999	17.128	9.441	6.232	5.397	4.332
88.0	467.008	415.658	289.075	136.159	14.386	7.071	5.210	4.839	4.144
88.5	466.329	415.167	288.089	133.681	11.645	5.119	4.651	4.421	3.913
89.0	465.926	415.044	287.837	131.980	8.855	4.190	4.326	4.281	3.865
89.5	465.845	414.967	287.630	131.416	6.483	3.863	4.187	4.141	3.819
90.0	465.899	414.935	287.654	131.449	5.545	3.770	4.139	4.140	3.864
90.5	465.540	415.043	287.680	131.713	6.588	3.769	4.138	4.139	3.817
91.0	465.735	415.383	288.028	132.950	8.862	3.814	4.092	4.185	3.817
91.5	465.838	416.001	288.794	135.117	11.593	4.542	4.137	4.138	3.770
92.0	466.404	416.989	290.533	137.704	14.233	5.861	4.274	4.092	3.861
92.5	467.016	418.671	292.922	140.291	16.781	8.000	4.637	4.228	3.953
93.0	468.277	420.774	295.773	143.291	19.328	10.504	5.547	4.410	4.271
93.5	469.911	423.430	298.810	145.968	21.968	13.007	7.095	4.910	4.999
94.0	472.332	426.458	301.936	149.012	24.745	15.556	9.188	5.912	6.410
94.5	475.264	429.532	304.877	152.010	27.567	18.012	11.601	7.505	8.367
95.0	478.334	432.835	308.325	155.006	30.479	20.698	14.057	9.416	10.551
95.5	481.404	436.184	311.635	158.141	33.483	23.430	16.606	11.737	13.055
96.0	484.613	439.301	314.896	161.366	36.578	26.159	19.338	14.241	15.513
96.5	487.728	442.511	318.251	164.729	39.763	29.027	22.023	16.744	18.153
97.0	490.889	445.768	321.606	168.137	43.040	31.894	24.800	19.384	20.838
97.5	494.142	449.113	325.006	171.544	46.455	34.944	27.622	22.161	23.478
98.0	497.300	452.459	328.408	175.178	49.822	38.038	30.443	24.846	26.162
98.5	500.644	455.896	331.991	178.859	53.418	41.224	33.401	27.667	29.076
99.0	503.940	459.379	335.574	182.493	57.150	44.638	36.451	30.534	31.989
99.5	507.238	462.770	339.202	186.310	60.882	48.006	39.591	33.539	35.039
100.0	510.534	466.252	342.921	190.171	64.705	51.556	42.731	36.543	37.951
100.5	513.830	469.779	346.594	194.033	68.619	55.106	46.008	39.547	41.046
101.0	517.310	473.216	350.359	198.031	72.625	58.656	49.423	42.642	44.096
101.5	520.515	476.649	354.076	201.984	76.675	62.480	52.791	45.782	47.327
102.0	523.992	480.224	357.976	206.029	80.817	66.028	56.295	49.014	50.651
102.5	527.334	483.659	361.738	210.026	84.958	70.035	59.800	52.337	53.928
103.0	530.769	487.186	365.546	214.070	89.283	74.768	63.395	55.659	57.296
103.5	534.200	490.667	369.399	218.204	93.653	78.682	67.037	59.072	60.618
104.0	537.636	494.147	373.299	222.430	97.931	82.004	70.678	62.532	64.168
104.5	540.975	497.812	377.151	226.564	102.300	86.192	74.501	66.082	67.718
105.0	544.500	501.247	380.958	230.698	106.852	90.197	78.279	69.678	71.314
105.5	547.521	504.773	384.902	234.925	111.358	94.430	82.102	73.274	74.909
106.0	550.997	508.299	388.709	239.195	115.909	99.163	86.017	76.915	78.597
106.5	554.248	511.688	392.516	243.512	120.598	104.079	89.976	80.603	82.237
107.0	557.634	515.168	396.368	247.692	125.195	107.675	93.891	84.379	86.198
107.5	561.021	518.693	400.175	252.009	129.882	111.543	97.987	88.111	89.884
108.0	564.270	522.128	404.120	256.416	134.571	115.912	101.992	92.117	93.753
108.5	567.473	525.562	408.018	260.824	139.350	120.374	106.043	95.940	97.577
109.0	570.905	528.860	411.872	265.186	144.084	124.788	110.230	99.946	101.491
109.5	574.063	532.525	415.723	269.502	148.817	129.249	114.373	103.814	105.360
110.0	577.357	535.730	419.485	274.001	153.642	133.755	118.469	107.820	109.412
110.5	580.561	539.166	423.109	278.409	158.466	138.261	122.702	111.825	113.371

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-950U-L25-950D-DMA-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	583.811	542.372	426.915	282.817	163.336	142.813	126.934	115.877	117.422
111.5	586.971	545.716	430.769	287.316	168.206	147.364	131.122	119.973	121.291
112.0	589.991	549.061	434.529	291.769	173.076	151.961	135.446	124.069	125.204
112.5	593.241	552.359	438.382	296.312	178.083	156.649	139.815	128.120	129.210
113.0	596.168	555.658	442.190	300.765	182.908	161.337	144.093	132.171	133.306
113.5	599.373	558.911	445.950	305.401	187.778	166.072	148.508	136.358	137.494
114.0	602.438	562.025	449.710	309.853	192.784	170.714	153.015	140.500	141.590
114.5	605.459	565.231	453.471	314.352	197.609	175.493	158.385	144.779	145.686
115.0	608.298	568.485	457.233	318.896	202.525	180.227	164.119	149.012	149.874
115.5	611.184	571.692	460.948	323.394	207.486	185.052	168.215	153.153	153.925
116.0	614.295	574.670	464.756	327.893	212.447	189.785	171.038	157.386	158.340
116.5	617.090	577.879	468.332	332.392	217.317	194.519	174.952	161.619	162.482
117.0	620.201	581.086	472.185	336.936	222.279	199.434	180.142	165.943	166.806
117.5	622.949	584.018	475.808	341.388	227.331	204.123	185.968	170.084	170.902
118.0	625.698	587.178	479.478	345.933	232.156	209.038	190.609	174.455	175.181
118.5	628.307	590.112	483.330	350.385	237.162	213.864	193.797	178.596	179.414
119.0	631.102	592.954	486.909	354.930	242.124	218.597	197.347	183.057	183.784
119.5	633.897	596.250	490.578	359.382	247.085	223.285	201.717	187.335	187.879
120.0	636.553	599.231	494.202	363.789	252.138	228.064	206.177	191.704	192.432
120.5	639.255	602.120	497.826	368.106	257.054	232.935	210.683	196.029	196.619
121.0	641.957	604.961	501.496	372.604	261.833	237.669	215.143	200.444	200.898
121.5	644.706	607.942	505.029	376.964	266.839	242.357	219.603	205.678	205.177
122.0	646.953	610.830	508.654	381.464	271.800	247.091	224.247	211.641	209.546
122.5	649.748	613.170	512.140	385.825	276.670	251.779	228.707	216.738	213.961
123.0	652.496	616.151	515.718	390.186	281.587	256.604	233.260	220.107	218.330
123.5	655.245	618.946	519.344	394.502	286.548	261.292	237.811	224.158	222.836
124.0	657.538	621.425	522.967	398.818	291.372	266.071	242.409	229.438	228.890
124.5	660.287	624.267	526.453	403.226	296.334	270.897	246.960	233.899	236.765
125.0	662.673	627.201	530.078	407.586	301.159	275.493	251.602	236.903	241.816
125.5	664.920	629.634	533.656	411.949	306.120	280.272	256.155	240.089	244.184
126.0	667.622	632.522	537.008	416.127	310.944	285.006	260.752	244.321	245.003
126.5	669.869	635.048	540.583	420.398	315.768	289.649	265.258	248.692	248.826
127.0	672.256	637.936	544.391	424.669	320.685	294.474	269.809	253.107	253.196
127.5	674.596	640.369	547.651	428.803	325.555	299.162	274.407	257.477	257.611
128.0	676.843	642.848	550.818	433.118	330.334	303.986	279.050	261.892	262.117
128.5	679.183	645.736	554.579	437.389	335.296	308.812	283.464	266.353	266.532
129.0	681.523	648.216	557.839	441.568	340.211	313.499	288.244	270.903	271.038
129.5	681.494	650.649	561.099	445.793	345.081	318.233	292.932	275.319	275.544
130.0	683.880	653.081	564.860	450.019	349.906	322.966	297.574	279.734	280.051
130.5	685.310	655.514	568.073	454.289	354.731	327.792	302.218	284.149	284.602
131.0	687.557	657.446	571.333	458.422	359.647	332.525	306.723	288.610	289.062
131.5	688.123	659.563	574.593	462.602	364.608	337.213	311.320	293.161	293.569
132.0	691.689	661.540	577.853	466.736	369.478	341.901	316.054	297.667	298.212
132.5	694.075	663.472	581.112	470.870	374.440	346.681	320.651	302.173	302.716
133.0	695.096	665.134	584.372	474.913	379.355	351.369	325.430	306.589	307.224
133.5	697.343	666.656	587.632	479.092	384.135	356.149	330.027	311.687	311.730
134.0	700.593	669.591	590.845	483.318	388.959	360.928	334.761	316.147	316.373
134.5	701.568	671.568	593.650	487.451	393.829	365.570	339.449	320.699	320.833
135.0	703.861	674.503	596.910	491.677	398.699	370.440	344.045	325.296	325.614
135.5	706.703	675.979	600.169	495.355	403.570	375.219	348.780	329.939	330.028
136.0	707.631	678.003	603.290	499.581	408.395	379.999	353.377	334.353	334.671
136.5	710.835	680.028	606.187	503.668	413.174	384.595	358.019	338.951	339.084
137.0	710.899	682.414	608.946	507.848	418.045	389.419	362.707	343.458	343.911
137.5	713.555	684.893	612.252	511.619	422.779	394.247	367.213	347.962	348.463
138.0	714.529	686.416	614.007	515.659	427.555	398.886	371.807	352.467	352.733
138.5	717.324	689.350	616.403	519.383	432.153	403.574	376.497	357.248	357.607

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CANDELA TABULATION - (Cont.)

139.0	718.893	690.464	619.663	523.516	436.886	408.125	381.094	361.754	362.250
139.5	720.183	692.396	621.966	527.148	441.667	412.905	385.692	366.351	366.848
140.0	721.613	694.466	624.817	530.826	446.355	417.457	390.152	370.857	371.401
140.5	724.000	696.537	626.256	534.913	451.089	422.191	394.887	375.592	376.317
141.0	725.383	698.515	628.605	538.544	455.915	426.789	399.575	380.416	381.142
141.5	727.268	699.220	631.865	542.631	460.694	431.431	404.171	385.150	385.829
142.0	728.335	701.746	634.168	546.309	465.245	436.074	408.767	389.883	390.563
142.5	729.765	703.723	637.019	549.940	469.797	440.625	413.319	394.389	395.296
143.0	732.012	705.200	639.322	553.665	474.348	445.267	417.870	398.940	399.984
143.5	733.943	706.313	641.672	557.389	479.354	450.001	422.604	403.765	404.719
144.0	733.097	707.929	644.476	561.114	483.952	454.643	427.154	408.497	409.451
144.5	735.576	710.000	646.826	564.792	488.550	459.013	431.797	413.185	414.185
145.0	737.870	711.569	648.720	568.108	493.102	463.564	436.349	417.736	419.101
145.5	737.981	713.138	651.980	571.832	497.653	468.162	440.899	422.424	423.652
146.0	739.364	714.159	653.828	575.148	501.796	472.713	445.360	426.976	428.340
146.5	741.889	716.230	656.224	577.507	506.347	477.265	449.865	431.617	433.028
147.0	742.910	717.251	658.527	580.776	510.898	481.816	454.553	436.213	437.761
147.5	744.842	719.368	660.468	583.182	515.041	486.460	459.059	440.856	442.312
148.0	744.860	719.571	662.817	585.996	519.592	490.965	463.611	445.498	447.091
148.5	745.017	720.685	664.256	589.721	523.735	495.062	468.208	450.140	451.734
149.0	746.400	722.756	666.606	592.990	528.333	499.204	472.713	454.691	456.467
149.5	747.105	722.049	668.045	595.395	532.429	503.802	477.265	459.106	461.019
150.0	747.532	724.027	670.395	599.166	536.526	508.353	481.816	463.657	466.026
150.5	749.008	725.141	673.246	602.027	540.622	512.496	486.367	468.663	470.577
151.0	749.072	726.255	673.821	605.343	544.764	516.592	490.510	473.168	475.537
151.5	750.595	726.505	676.626	608.157	548.907	521.144	495.062	477.766	480.135
152.0	750.705	727.210	677.656	611.473	553.050	525.287	499.613	482.271	485.095
152.5	750.314	728.324	679.597	613.878	557.146	529.383	504.211	486.823	489.693
153.0	750.425	728.528	681.538	617.194	560.834	533.525	508.260	490.919	494.244
153.5	751.901	729.688	682.977	620.055	563.156	537.622	512.858	495.925	498.796
154.0	751.102	730.394	684.008	623.371	567.707	542.220	516.955	500.430	503.849
154.5	752.123	730.644	684.946	625.776	570.893	545.861	521.506	504.982	508.446
155.0	753.097	731.303	686.793	628.182	573.670	550.050	525.649	509.078	512.951
155.5	752.799	731.144	688.093	631.089	576.903	554.100	530.200	513.629	517.549
156.0	751.498	731.849	688.938	633.448	580.999	558.289	534.343	518.181	522.054
156.5	752.519	732.601	689.875	636.355	584.232	560.564	538.439	522.686	526.150
157.0	752.992	732.350	691.268	638.807	587.919	564.707	542.535	526.782	530.748
157.5	750.901	732.646	692.206	640.711	591.105	568.348	547.133	531.333	535.300
158.0	751.039	731.577	693.283	643.117	594.338	571.989	551.229	535.885	539.851
158.5	749.821	731.874	693.905	645.114	597.979	574.767	554.870	539.981	543.947
159.0	748.566	732.170	694.982	647.519	601.211	578.408	557.601	544.077	548.499
159.5	749.773	732.421	695.604	649.971	603.942	582.504	563.109	548.628	552.595
160.0	748.286	732.169	696.272	651.921	607.630	585.736	565.385	552.725	557.146
160.5	747.217	731.871	697.395	653.463	610.407	589.424	569.528	556.821	561.289
161.0	747.597	731.935	698.064	655.460	612.683	592.610	572.714	560.007	565.794
161.5	746.714	730.272	699.141	657.410	616.324	596.251	575.491	564.103	569.435
162.0	746.110	729.565	698.035	659.407	618.599	599.484	579.587	568.199	571.163
162.5	744.400	728.450	699.614	660.039	622.287	603.171	582.773	571.385	575.166
163.0	743.917	729.202	699.418	662.491	624.609	606.812	587.371	574.571	578.668
163.5	743.071	727.724	699.678	663.531	627.795	609.590	590.557	578.668	582.717
164.0	743.321	727.705	700.346	665.073	630.071	612.320	593.743	582.309	586.312
164.5	741.843	726.274	700.151	666.113	632.848	615.506	597.886	586.451	591.226
165.0	740.412	726.209	700.411	667.654	635.579	619.147	601.527	589.637	594.867
165.5	738.071	723.867	700.262	669.150	638.356	621.470	604.258	592.823	598.053
166.0	738.052	722.984	700.020	670.691	640.632	624.200	607.490	596.919	602.511
166.5	737.029	722.055	700.326	672.233	642.452	627.433	611.085	600.561	606.607

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167.0	735.914	721.126	699.722	672.001	644.775	629.708	614.772	603.793	610.248
167.5	733.935	719.379	699.573	673.134	646.642	632.439	617.048	607.936	613.434
168.0	730.776	718.041	699.424	674.267	648.917	635.217	620.736	611.577	617.122
168.5	730.302	716.972	699.275	675.447	651.193	637.947	624.423	615.264	620.716
169.0	727.552	715.402	698.216	674.759	653.515	640.678	626.652	617.995	623.856
169.5	726.168	713.701	698.067	676.301	654.834	642.499	630.293	622.091	626.540
170.0	724.783	711.955	697.463	676.570	656.199	645.276	633.071	624.822	630.182
170.5	723.445	711.164	695.995	677.294	657.611	647.552	635.393	628.055	633.414
171.0	720.649	709.511	696.347	677.610	658.522	649.828	637.715	631.241	636.191
171.5	718.447	707.857	694.378	677.926	660.844	651.239	640.492	634.520	639.832
172.0	717.248	705.794	694.322	678.650	662.711	653.515	643.223	636.340	642.470
172.5	715.093	703.779	692.854	678.511	664.030	655.791	645.954	639.981	646.065
173.0	712.073	702.125	691.479	678.418	664.986	658.067	648.685	642.712	647.839
173.5	710.466	700.062	691.061	679.235	665.850	658.977	650.961	644.988	651.071
174.0	708.766	698.455	689.231	679.142	666.306	661.253	652.781	647.765	654.211
174.5	706.109	695.529	687.948	679.049	667.717	663.528	655.010	650.496	655.576
175.0	703.452	693.513	686.666	678.093	669.083	664.894	656.831	652.725	658.261
175.5	700.841	691.590	685.431	679.003	669.947	665.757	659.153	655.047	660.081
176.0	700.144	689.713	684.242	678.956	670.903	667.624	661.382	657.369	663.769
176.5	696.354	687.019	683.099	678.548	671.312	668.535	664.160	659.692	665.181
177.0	694.385	685.328	681.139	678.548	671.405	669.900	664.615	661.921	667.456
177.5	691.458	682.774	680.591	677.637	672.269	670.355	666.890	663.741	668.775
178.0	688.718	681.222	679.634	677.637	672.724	671.721	668.209	666.519	672.463
178.5	685.801	678.399	678.269	677.182	672.724	673.086	669.575	668.293	674.692
179.0	683.841	677.442	676.448	677.182	673.179	673.541	671.897	670.113	675.602
179.5	681.974	675.668	675.538	676.272	673.179	674.452	672.807	671.525	679.290
180.0	674.897	674.897	674.897	674.897	674.897	674.897	674.897	674.897	674.897

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-4-00-L25-950U-L25-950D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	250.57	N.A.	5.50
0-30	532.28	N.A.	11.70
0-40	873.13	N.A.	19.20
0-60	1581.44	N.A.	34.70
0-80	2118.01	N.A.	46.50
0-90	2286.56	N.A.	50.20
10-90	2221.83	N.A.	48.80
20-40	622.56	N.A.	13.70
20-50	983.97	N.A.	21.60
40-70	1009.88	N.A.	22.20
60-80	536.58	N.A.	11.80
70-80	235.00	N.A.	5.20
80-90	168.55	N.A.	3.70
90-110	402.03	N.A.	8.80
90-120	701.49	N.A.	15.40
90-130	1045.93	N.A.	23.00
90-150	1742.36	N.A.	38.20
90-180	2268.73	N.A.	49.80
110-180	1866.69	N.A.	41.00
0-180	4555.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.73
10-20	185.84
20-30	281.71
30-40	340.85
40-50	361.41
50-60	346.90
60-70	301.58
70-80	235.00
80-90	168.55
90-100	168.30
100-110	233.73
110-120	299.45
120-130	344.45
130-140	358.65
140-150	337.78
150-160	278.70
160-170	183.66
170-180	64.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L25-950U-L25-950D-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-L25-950U-L25-950D-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	19.1	20.0	20.0	21.0	22.2	13.1	14.0	14.0	15.0	16.2
	3H	22.2	23.0	23.1	24.0	25.3	14.4	15.3	15.4	16.2	17.5
	4H	23.8	24.5	24.7	25.5	26.8	14.9	15.7	15.8	16.6	17.9
	6H	25.5	26.2	26.4	27.2	28.5	15.1	15.8	16.1	16.8	18.1
	8H	26.4	27.1	27.4	28.1	29.4	15.2	15.9	16.1	16.9	18.2
	12H	27.4	28.0	28.4	29.0	30.4	15.2	15.8	16.2	16.8	18.2

UGR Viewed Endwise

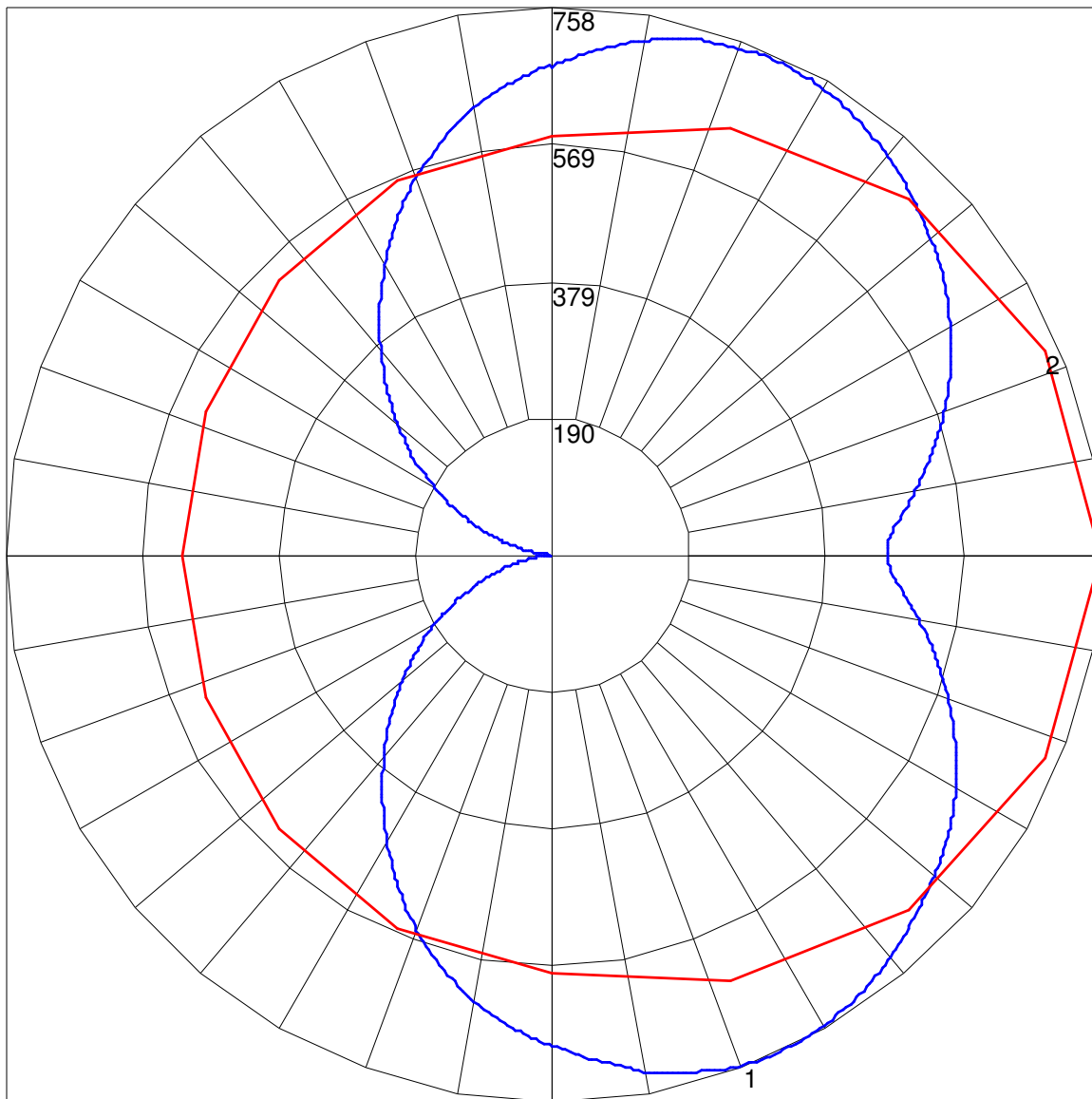
4H	2H	19.4	20.1	20.3	21.1	22.4	14.3	15.1	15.3	16.1	17.4
	3H	22.7	23.3	23.7	24.3	25.7	16.0	16.6	17.0	17.6	19.0
	4H	24.4	25.1	25.4	26.1	27.4	16.5	17.2	17.5	18.2	19.5
	6H	26.3	26.9	27.4	27.9	29.2	16.9	17.5	17.9	18.5	19.8
	8H	27.4	27.8	28.4	28.9	30.2	17.0	17.5	18.0	18.5	19.9
	12H	28.5	28.9	29.5	30.0	31.3	17.1	17.5	18.1	18.6	19.9

8H	4H	24.6	25.1	25.6	26.1	27.4	17.7	18.2	18.7	19.2	20.5
	6H	26.6	27.1	27.7	28.1	29.5	18.3	18.7	19.3	19.8	21.1
	8H	27.8	28.2	28.8	29.2	30.6	18.5	18.9	19.5	19.9	21.3
	12H	29.1	29.4	30.1	30.5	31.9	18.6	19.0	19.7	20.0	21.4

12H	4H	24.5	25.0	25.6	26.0	27.4	18.0	18.5	19.0	19.5	20.8
	6H	26.7	27.0	27.7	28.1	29.5	18.8	19.2	19.9	20.2	21.6
	8H	27.9	28.2	28.9	29.2	30.6	19.1	19.5	20.2	20.5	21.9

Maximum UGR = 31.9

POLAR GRAPH



Maximum Candela = 758.455 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.)