

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-3-00-L38-935U-L38-935D-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 4792073931.01
[TESTLAB] UL, LLC
[ISSUE DATE] 2026-07-20
[TEST DATE] 12/30/2025
[MANUFACT] H E Williams Inc
[LUMCAT] CMH-3-00-L38-935U-L38-935D-DMA-DIM-UNV_
[LUMINAIRE] 3' wall mounted fixture with both up and down lighting
[MORE] compartments
[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	6337
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	65.2
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)	2.75 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17446	16432	15665
55	17343	15702	14306
65	17372	15133	12691
75	17674	14759	10321
85	18579	15048	6839

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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	948.320	948.320	948.320	948.320	948.320	948.320	948.320	948.320	948.320
0.5	949.653	951.236	949.473	953.085	946.621	951.539	945.151	945.101	945.191
1.0	952.238	953.491	952.958	953.858	946.038	950.119	942.439	942.389	942.542
1.5	955.660	956.520	953.985	955.924	946.038	947.470	941.019	939.093	938.017
2.0	958.563	960.259	956.304	956.114	945.328	945.468	938.434	936.444	935.368
2.5	962.758	962.831	959.396	956.950	944.681	944.175	935.848	934.505	932.846
3.0	965.533	966.696	961.842	957.140	944.035	942.882	933.909	930.627	929.550
3.5	969.209	970.105	963.641	959.333	944.035	940.233	930.677	927.978	927.611
4.0	974.050	973.514	966.733	959.522	942.679	937.647	929.384	924.746	923.086
4.5	976.243	976.340	969.179	959.129	942.032	937.001	926.152	921.513	919.144
5.0	977.459	979.875	971.295	961.259	940.740	933.769	922.273	918.218	915.329
5.5	981.971	982.764	971.991	961.512	938.800	930.537	920.334	914.986	913.390
6.0	984.999	985.070	973.854	961.119	937.444	929.827	917.748	912.337	909.448
6.5	987.445	989.441	975.780	960.789	936.215	927.305	914.390	907.749	905.633
7.0	989.891	992.204	977.059	960.915	935.505	925.239	911.157	903.807	901.045
7.5	992.387	994.509	978.402	960.649	932.209	922.007	907.279	900.575	896.520
8.0	997.188	996.169	980.062	958.963	930.270	918.775	904.047	896.633	891.995
8.5	1001.443	998.601	981.721	959.926	929.624	916.835	900.751	892.754	887.533
9.0	1007.258	1001.160	983.190	958.886	926.392	913.540	896.810	887.520	883.008
9.5	1010.134	1003.390	984.077	959.203	924.389	909.661	892.931	883.578	881.715
10.0	1013.339	1006.848	984.900	958.290	922.450	907.012	889.699	879.699	874.605
10.5	1016.481	1008.888	986.369	957.313	919.218	903.844	885.757	875.111	871.436
11.0	1018.394	1010.344	987.256	955.754	917.862	900.548	881.169	871.879	866.911
11.5	1020.117	1012.636	987.496	954.195	913.983	896.670	877.354	866.644	861.093
12.0	1021.193	1014.282	988.382	953.928	911.397	894.667	873.412	862.119	855.985
12.5	1024.918	1017.221	988.685	952.369	909.395	889.432	868.887	857.594	851.460
13.0	1027.021	1018.804	989.115	950.809	906.809	886.200	864.299	852.360	845.122
13.5	1028.667	1020.907	989.545	949.896	902.284	882.322	860.357	847.125	841.371
14.0	1031.796	1022.236	990.038	948.400	900.282	877.087	854.539	841.954	835.743
14.5	1033.962	1023.629	989.112	946.131	897.049	873.855	849.951	836.782	829.988
15.0	1033.998	1024.312	989.415	944.635	892.461	869.913	845.426	831.611	824.234
15.5	1035.341	1025.059	989.325	941.720	888.583	865.971	840.191	825.793	821.002
16.0	1035.911	1026.452	988.589	939.324	885.287	861.446	836.249	820.622	813.181
16.5	1038.697	1027.844	989.792	938.474	882.055	856.921	831.078	816.097	809.303
17.0	1041.749	1027.298	989.702	935.559	878.823	851.687	826.490	810.216	805.488
17.5	1042.229	1029.401	988.902	931.933	874.235	848.391	820.608	806.274	798.960
18.0	1044.065	1028.854	988.103	930.437	869.710	841.864	814.791	800.456	794.435
18.5	1046.547	1029.664	987.113	927.648	865.122	837.985	812.142	797.224	788.554
19.0	1045.924	1030.474	986.896	925.632	861.243	832.751	806.970	791.406	782.736
19.5	1048.850	1030.574	985.260	923.033	856.655	828.809	801.089	785.588	776.209
20.0	1050.293	1030.154	985.044	919.598	852.776	823.637	798.504	779.771	770.391
20.5	1050.710	1030.964	982.825	916.809	848.834	818.403	792.622	773.890	763.863
21.0	1051.063	1030.481	981.962	912.981	843.017	813.231	786.805	768.072	758.046
21.5	1052.126	1030.770	980.389	911.028	839.075	810.582	781.633	761.608	751.581
22.0	1053.505	1030.541	978.880	908.492	833.903	804.118	775.752	755.790	745.054
22.5	1054.302	1030.311	977.307	905.184	828.669	799.466	769.871	749.972	739.236
23.0	1053.742	1030.664	975.798	901.812	824.081	793.002	764.053	743.508	732.708
23.5	1053.892	1029.978	974.871	897.147	818.263	790.417	758.172	737.043	726.244
24.0	1054.625	1029.874	972.716	894.674	814.384	785.182	752.291	731.162	719.134
24.5	1055.042	1029.645	971.206	890.909	808.503	779.364	746.473	724.761	713.316
25.0	1054.165	1029.478	968.404	888.184	806.564	773.420	740.592	718.234	706.788
25.5	1052.643	1028.019	966.895	884.875	801.976	767.602	734.774	711.770	699.678
26.0	1053.059	1027.662	964.739	879.627	797.451	761.721	728.247	705.952	693.797
26.5	1052.246	1026.013	962.646	875.608	791.570	755.903	722.366	699.488	686.623

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27.0	1050.787	1025.010	961.263	872.300	785.688	749.959	715.902	693.024	680.158
27.5	1050.747	1024.654	957.358	868.991	780.454	744.141	710.020	686.496	673.631
28.0	1051.164	1023.004	954.809	863.033	774.636	737.613	704.139	680.032	666.520
28.5	1049.451	1021.355	952.843	860.308	769.465	731.796	697.675	673.568	659.993
29.0	1048.055	1020.998	950.878	855.060	763.000	725.914	691.211	666.457	653.529
29.5	1047.762	1018.056	948.392	849.685	757.119	719.450	684.683	659.993	646.741
30.0	1047.265	1016.280	945.780	846.313	751.238	712.859	678.866	653.465	640.021
30.5	1045.616	1014.821	943.167	841.711	745.420	707.042	672.338	646.936	633.555
31.0	1045.386	1013.818	940.618	836.983	739.603	700.514	665.874	640.408	626.834
31.5	1043.990	1012.689	936.713	834.904	733.721	694.050	659.410	634.008	620.177
32.0	1041.821	1011.039	934.811	829.529	727.257	688.169	652.882	627.348	613.776
32.5	1042.238	1008.743	931.489	826.804	721.376	681.641	646.353	620.884	606.992
33.0	1038.712	1007.804	928.750	822.202	715.558	675.177	639.824	614.098	600.204
33.5	1039.319	1004.798	925.364	816.891	709.031	668.649	633.360	607.569	593.675
34.0	1038.443	1002.566	921.333	812.226	702.567	662.185	626.833	601.170	586.889
34.5	1036.400	1000.270	917.301	806.851	696.039	656.304	620.304	594.512	580.296
35.0	1033.978	997.975	914.625	801.540	689.575	649.646	613.904	587.983	573.896
35.5	1032.455	996.389	911.823	796.875	683.757	643.119	607.505	581.389	567.173
36.0	1030.019	992.800	907.918	791.564	677.293	636.590	600.976	574.925	560.452
36.5	1028.623	990.504	905.179	786.253	670.182	630.062	594.190	568.590	553.794
37.0	1026.391	988.918	900.437	780.878	663.655	623.727	587.855	561.933	547.071
37.5	1024.412	985.393	896.342	775.567	657.191	617.006	581.391	555.211	540.737
38.0	1023.599	982.451	893.730	770.255	650.726	610.477	574.797	548.876	533.887
38.5	1019.554	980.218	888.405	764.944	644.134	603.819	568.333	542.283	527.099
39.0	1017.574	978.632	884.957	758.986	637.411	597.421	561.739	535.819	520.506
39.5	1014.759	975.044	885.450	753.612	630.883	590.892	555.404	529.226	513.977
40.0	1014.009	972.811	881.482	748.301	624.160	584.169	549.006	522.763	507.642
40.5	1010.091	970.452	877.513	742.343	617.438	577.641	542.348	516.297	501.113
41.0	1007.149	967.054	873.418	736.968	610.909	571.113	535.884	509.770	494.458
41.5	1003.877	964.111	869.450	731.137	604.057	564.326	529.290	503.435	488.057
42.0	1003.064	961.752	864.708	725.889	597.399	558.119	522.828	496.843	481.658
42.5	1000.375	958.874	860.676	720.641	590.676	551.527	516.299	490.249	475.322
43.0	997.039	953.992	856.518	715.520	583.955	544.869	509.834	484.044	468.602
43.5	995.453	951.696	852.550	709.689	576.909	538.211	503.176	477.387	462.330
44.0	992.055	948.754	847.935	703.858	570.316	531.683	496.518	470.858	456.189
44.5	989.366	945.875	843.130	697.963	563.463	525.219	489.991	464.460	449.791
45.0	987.387	943.580	839.161	692.652	556.741	518.369	483.526	457.866	443.521
45.5	983.152	939.408	834.483	686.823	550.019	511.774	476.804	451.531	436.929
46.0	982.859	936.529	829.805	681.060	543.167	505.116	470.339	445.132	430.594
46.5	978.940	934.880	825.773	675.230	536.378	498.523	463.681	438.604	424.518
47.0	977.481	933.877	821.095	669.272	529.334	491.930	457.152	432.333	418.378
47.5	975.312	931.188	816.354	663.635	522.352	485.207	450.625	425.870	411.849
48.0	972.686	927.409	811.865	657.998	515.436	478.292	444.224	419.729	405.514
48.5	968.451	924.011	806.997	652.296	508.648	471.569	437.567	413.330	399.244
49.0	965.825	920.422	802.382	646.400	501.862	464.911	431.038	407.125	392.844
49.5	963.263	916.834	797.641	640.506	495.010	458.382	424.639	400.856	386.768
50.0	963.616	914.018	792.899	634.741	488.093	451.725	418.241	394.586	380.368
50.5	958.988	910.430	788.284	628.784	481.241	444.873	411.647	388.637	374.164
51.0	958.112	906.968	783.670	623.021	474.454	438.280	405.248	382.304	367.895
51.5	954.903	903.442	778.282	617.062	467.667	431.492	398.719	376.033	361.819
52.0	951.695	899.207	773.477	610.847	460.750	424.963	392.448	369.894	355.872
52.5	948.942	895.682	768.862	605.018	453.962	418.371	386.050	363.753	349.666
53.0	945.544	892.030	763.537	598.931	447.110	411.648	379.586	357.612	343.396
53.5	942.145	888.568	758.731	592.910	440.452	404.861	373.122	351.535	337.127
54.0	939.000	884.916	753.731	586.758	433.537	398.332	366.722	345.265	331.566
54.5	935.601	880.935	748.536	580.542	426.879	391.868	360.389	339.255	325.428

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CANDELA TABULATION - (Cont.)

55.0	932.329	877.283	743.600	574.521	420.091	385.146	353.989	333.049	319.221
55.5	928.994	873.048	738.727	568.240	413.368	378.360	347.655	326.908	313.274
56.0	925.722	869.522	733.662	562.155	406.516	371.830	341.384	321.025	307.005
56.5	922.576	865.287	728.402	555.809	399.728	365.173	334.856	314.691	301.252
57.0	919.241	861.825	723.210	549.528	392.877	358.643	328.779	308.874	295.562
57.5	915.259	857.654	718.206	543.248	386.153	351.858	322.574	302.604	289.293
58.0	911.734	853.355	713.076	536.774	379.173	345.264	316.175	296.721	283.281
58.5	908.588	849.184	707.820	530.494	372.321	338.735	310.034	290.710	277.205
59.0	905.253	845.139	702.368	524.019	365.339	332.143	303.893	284.633	271.452
59.5	901.335	840.777	697.299	517.546	358.293	325.484	297.816	278.751	265.569
60.0	897.100	836.542	691.848	511.266	351.377	318.763	291.740	272.804	259.622
60.5	893.245	832.370	686.783	504.986	344.525	312.170	285.536	266.921	253.675
61.0	889.909	828.133	681.525	498.835	337.737	305.511	279.330	260.974	247.793
61.5	885.864	823.898	676.266	492.490	330.820	299.047	273.124	255.027	241.846
62.0	881.173	819.404	670.749	486.016	324.032	292.390	267.177	249.081	236.157
62.5	877.191	814.973	665.552	479.671	317.050	285.862	260.972	243.070	230.145
63.0	873.209	810.735	660.361	473.327	310.328	279.139	254.767	237.187	224.392
63.5	869.227	806.047	655.102	466.982	303.476	272.481	248.690	231.368	218.445
64.0	865.309	801.489	649.585	460.637	296.623	266.146	242.549	225.356	212.887
64.5	860.681	796.996	644.392	454.293	289.837	259.552	236.278	219.474	207.521
65.0	856.248	792.502	638.682	447.690	282.985	253.088	230.008	213.656	201.509
65.5	851.753	787.750	633.422	441.152	276.069	246.494	223.996	207.774	195.820
66.0	847.383	782.867	628.099	434.809	269.345	239.902	217.726	202.021	190.261
66.5	843.270	778.181	622.455	428.400	262.623	233.309	211.716	196.074	184.702
67.0	838.641	773.492	617.195	421.991	255.899	226.845	205.832	190.385	179.337
67.5	834.144	768.803	611.549	415.389	249.175	220.510	199.820	184.632	173.713
68.0	829.710	763.925	606.034	408.852	242.130	214.239	193.745	178.943	167.960
68.5	825.017	759.042	600.583	402.378	235.343	207.646	187.669	173.255	162.271
69.0	820.908	754.226	594.872	396.035	228.685	201.376	181.657	167.566	157.035
69.5	816.280	749.539	589.549	389.756	222.026	194.911	175.967	162.007	151.605
70.0	811.909	744.655	583.840	383.476	215.304	188.641	170.086	156.448	146.174
70.5	807.409	739.710	578.323	377.132	208.647	182.243	164.268	150.759	140.551
71.0	803.039	734.827	572.743	370.598	201.923	176.037	158.451	145.394	135.121
71.5	798.603	729.945	566.906	364.319	195.588	169.832	152.763	140.029	129.756
72.0	793.787	724.744	561.454	358.234	188.993	163.626	147.074	134.664	124.842
72.5	789.221	719.989	555.873	352.020	181.948	157.485	141.450	129.492	119.347
73.0	784.469	714.980	550.422	345.999	175.612	151.473	135.955	124.062	114.176
73.5	779.839	709.841	544.909	339.784	169.085	145.655	130.396	118.762	108.875
74.0	775.274	704.895	539.200	333.572	162.684	139.773	124.901	113.718	103.835
74.5	770.328	699.696	533.683	327.424	156.478	133.955	119.536	108.612	99.116
75.0	765.636	694.750	527.914	321.467	150.208	128.137	114.235	103.571	94.009
75.5	760.816	689.611	522.401	315.256	144.065	122.449	108.933	98.399	89.160
76.0	755.933	684.666	517.143	309.173	137.924	116.890	103.569	93.551	84.441
76.5	751.044	679.464	511.502	303.407	131.783	111.395	98.269	88.509	79.788
77.0	746.097	674.586	505.989	297.261	125.835	105.901	93.355	83.790	75.455
77.5	741.148	669.449	500.477	291.562	119.759	100.471	88.249	79.007	70.930
78.0	736.330	664.506	495.157	285.738	114.070	95.041	83.272	74.417	66.535
78.5	731.122	659.373	489.899	280.232	108.317	89.740	78.359	69.891	62.139
79.0	726.241	654.109	484.517	274.409	102.756	84.633	73.511	65.366	57.679
79.5	721.292	649.167	479.261	268.777	97.133	79.591	68.791	60.841	53.606
80.0	716.220	644.160	473.944	263.213	91.572	74.677	64.201	56.575	49.469
80.5	711.144	639.093	468.625	257.967	86.207	69.764	59.676	52.308	45.461
81.0	706.391	634.215	463.693	252.723	81.034	64.981	55.280	48.171	41.324
81.5	701.508	628.951	458.571	247.481	75.992	60.390	50.948	44.099	37.317
82.0	696.562	624.075	453.639	242.238	71.015	55.865	46.618	40.091	33.569
82.5	692.128	619.652	448.775	237.188	66.037	51.534	42.609	36.405	30.011

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CANDELA TABULATION - (Cont.)

83.0	687.314	614.903	443.782	232.460	61.254	47.138	38.601	32.656	26.327
83.5	682.757	610.091	438.918	227.796	56.664	42.870	34.788	28.971	22.772
84.0	678.326	605.538	434.312	223.137	52.204	38.798	31.038	25.416	19.280
84.5	673.767	600.857	429.643	218.476	47.808	34.855	27.224	21.860	16.049
85.0	669.466	596.111	425.039	214.074	43.542	31.041	23.604	18.564	13.139
85.5	665.228	591.751	420.239	209.671	39.340	27.227	20.112	15.396	10.553
86.0	660.995	587.581	415.635	205.463	35.267	23.542	16.751	12.552	8.679
86.5	657.075	583.790	411.481	201.254	31.324	19.986	13.519	10.353	7.385
87.0	653.472	581.143	407.384	197.368	27.575	16.495	10.675	8.607	6.544
87.5	650.881	579.131	404.308	193.354	23.826	13.132	8.669	7.507	6.026
88.0	649.627	578.197	402.115	189.402	20.012	9.836	7.247	6.732	5.765
88.5	648.683	577.515	400.743	185.956	16.198	7.121	6.470	6.150	5.443
89.0	648.123	577.343	400.393	183.589	12.318	5.828	6.018	5.955	5.377
89.5	648.010	577.236	400.104	182.805	9.019	5.374	5.824	5.761	5.312
90.0	648.084	577.191	400.138	182.851	7.714	5.245	5.758	5.759	5.375
90.5	647.586	577.342	400.175	183.218	9.163	5.243	5.757	5.758	5.309
91.0	647.856	577.815	400.659	184.939	12.328	5.305	5.692	5.821	5.309
91.5	647.999	578.674	401.724	187.954	16.126	6.318	5.755	5.757	5.245
92.0	648.787	580.049	404.144	191.552	19.798	8.153	5.945	5.692	5.371
92.5	649.638	582.388	407.466	195.150	23.343	11.129	6.450	5.882	5.498
93.0	651.393	585.313	411.432	199.323	26.887	14.611	7.717	6.135	5.941
93.5	653.665	589.009	415.657	203.048	30.559	18.093	9.869	6.830	6.954
94.0	657.034	593.220	420.005	207.282	34.421	21.638	12.782	8.223	8.917
94.5	661.112	597.497	424.096	211.452	38.346	25.056	16.137	10.440	11.639
95.0	665.382	602.091	428.893	215.620	42.398	28.791	19.555	13.098	14.677
95.5	669.653	606.750	433.497	219.981	46.577	32.591	23.100	16.327	18.160
96.0	674.116	611.086	438.034	224.467	50.882	36.389	26.900	19.810	21.579
96.5	678.450	615.551	442.700	229.145	55.312	40.377	30.635	23.291	25.251
97.0	682.847	620.081	447.367	233.885	59.871	44.366	34.497	26.963	28.987
97.5	687.372	624.734	452.096	238.624	64.620	48.608	38.423	30.827	32.659
98.0	691.765	629.389	456.829	243.680	69.304	52.913	42.348	34.562	36.393
98.5	696.416	634.170	461.813	248.800	74.307	57.345	46.462	38.486	40.446
99.0	701.002	639.015	466.797	253.855	79.499	62.093	50.705	42.475	44.498
99.5	705.589	643.732	471.844	259.165	84.689	66.778	55.072	46.655	48.741
100.0	710.173	648.576	477.018	264.536	90.007	71.717	59.441	50.833	52.792
100.5	714.759	653.483	482.126	269.908	95.452	76.655	63.999	55.012	57.097
101.0	719.600	658.262	487.364	275.470	101.025	81.593	68.749	59.317	61.339
101.5	724.057	663.038	492.534	280.969	106.658	86.913	73.434	63.685	65.834
102.0	728.895	668.012	497.959	286.594	112.419	91.848	78.309	68.180	70.457
102.5	733.543	672.790	503.192	292.155	118.181	97.421	83.184	72.802	75.015
103.0	738.321	677.695	508.489	297.780	124.197	104.005	88.186	77.424	79.700
103.5	743.094	682.538	513.849	303.531	130.274	109.450	93.250	82.172	84.322
104.0	747.874	687.379	519.274	309.410	136.226	114.071	98.315	86.985	89.261
104.5	752.518	692.476	524.632	315.160	142.304	119.897	103.634	91.922	94.199
105.0	757.422	697.255	529.929	320.911	148.635	125.468	108.890	96.925	99.200
105.5	761.624	702.160	535.414	326.790	154.904	131.356	114.207	101.927	104.202
106.0	766.460	707.065	540.710	332.730	161.234	137.940	119.653	106.992	109.332
106.5	770.981	711.779	546.005	338.736	167.756	144.778	125.161	112.121	114.395
107.0	775.692	716.620	551.364	344.550	174.151	149.780	130.606	117.375	119.905
107.5	780.403	721.524	556.660	350.555	180.672	155.161	136.304	122.566	125.033
108.0	784.923	726.301	562.148	356.686	187.194	161.239	141.875	128.139	130.414
108.5	789.378	731.078	567.570	362.817	193.842	167.445	147.510	133.456	135.734
109.0	794.153	735.665	572.930	368.885	200.426	173.585	153.334	139.029	141.179
109.5	798.545	740.764	578.288	374.889	207.011	179.791	159.097	144.410	146.560
110.0	803.128	745.222	583.521	381.147	213.722	186.059	164.795	149.982	152.196
110.5	807.584	750.002	588.562	387.278	220.433	192.326	170.683	155.553	157.704

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CANDELA TABULATION - (Cont.)

111.0	812.104	754.462	593.857	393.410	227.207	198.659	176.571	161.189	163.339
111.5	816.500	759.113	599.218	399.668	233.981	204.990	182.396	166.887	168.721
112.0	820.702	763.766	604.448	405.862	240.756	211.385	188.410	172.585	174.164
112.5	825.222	768.354	609.808	412.183	247.721	217.906	194.488	178.220	179.737
113.0	829.295	772.943	615.105	418.377	254.432	224.427	200.440	183.855	185.435
113.5	833.753	777.468	620.334	424.825	261.207	231.012	206.581	189.679	191.259
114.0	838.016	781.799	625.565	431.019	268.171	237.470	212.850	195.441	196.957
114.5	842.218	786.260	630.797	437.276	274.882	244.118	220.319	201.393	202.656
115.0	846.167	790.786	636.030	443.598	281.721	250.704	228.297	207.281	208.482
115.5	850.182	795.247	641.197	449.855	288.622	257.415	233.995	213.043	214.116
116.0	854.509	799.390	646.494	456.112	295.523	263.999	237.921	218.931	220.257
116.5	858.397	803.853	651.469	462.371	302.297	270.583	243.366	224.819	226.019
117.0	862.724	808.315	656.829	468.691	309.200	277.421	250.585	230.833	232.035
117.5	866.548	812.393	661.869	474.885	316.227	283.944	258.689	236.594	237.731
118.0	870.371	816.788	666.973	481.207	322.938	290.781	265.145	242.674	243.684
118.5	874.001	820.870	672.332	487.400	329.902	297.494	269.580	248.434	249.572
119.0	877.889	824.823	677.311	493.721	336.805	304.078	274.518	254.640	255.651
119.5	881.777	829.409	682.414	499.915	343.706	310.599	280.596	260.591	261.348
120.0	885.471	833.556	687.455	506.046	350.735	317.247	286.801	266.669	267.680
120.5	889.230	837.573	692.496	512.050	357.572	324.022	293.068	272.685	273.505
121.0	892.989	841.526	697.602	518.307	364.220	330.607	299.273	278.826	279.458
121.5	896.812	845.672	702.516	524.373	371.184	337.128	305.477	286.107	285.409
122.0	899.938	849.690	707.558	530.632	378.085	343.714	311.937	294.402	291.487
122.5	903.826	852.945	712.408	536.699	384.860	350.235	318.141	301.491	297.628
123.0	907.649	857.091	717.386	542.765	391.698	356.947	324.474	306.178	303.706
123.5	911.473	860.979	722.429	548.769	398.599	363.468	330.805	311.813	309.974
124.0	914.663	864.428	727.469	554.773	405.310	370.116	337.201	319.158	318.396
124.5	918.486	868.381	732.317	560.903	412.213	376.828	343.532	325.363	329.350
125.0	921.806	872.463	737.361	566.969	418.924	383.223	349.989	329.541	336.376
125.5	924.931	875.847	742.337	573.038	425.825	389.870	356.322	333.974	339.670
126.0	928.690	879.864	747.000	578.850	432.536	396.455	362.716	339.861	340.809
126.5	931.816	883.378	751.973	584.791	439.247	402.914	368.984	345.940	346.127
127.0	935.135	887.395	757.270	590.732	446.086	409.625	375.315	352.083	352.205
127.5	938.390	890.779	761.805	596.482	452.860	416.146	381.711	358.161	358.348
128.0	941.516	894.228	766.210	602.485	459.508	422.857	388.170	364.302	364.616
128.5	944.771	898.246	771.442	608.426	466.410	429.569	394.310	370.508	370.757
129.0	948.026	901.695	775.977	614.240	473.248	436.091	400.959	376.838	377.025
129.5	947.986	905.079	780.511	620.117	480.022	442.675	407.480	382.980	383.293
130.0	951.306	908.463	785.743	625.994	486.733	449.259	413.938	389.121	389.562
130.5	953.294	911.847	790.213	631.935	493.445	455.972	420.397	395.263	395.893
131.0	956.420	914.534	794.748	637.684	500.283	462.556	426.664	401.468	402.098
131.5	957.207	917.479	799.282	643.498	507.184	469.077	433.060	407.800	408.367
132.0	962.168	920.230	803.817	649.249	513.958	475.598	439.644	414.067	414.824
132.5	965.487	922.916	808.351	655.000	520.861	482.247	446.038	420.335	421.090
133.0	966.907	925.228	812.886	660.624	527.698	488.768	452.686	426.478	427.362
133.5	970.033	927.346	817.420	666.437	534.347	495.417	459.081	433.569	433.629
134.0	974.554	931.428	821.890	672.315	541.058	502.065	465.666	439.773	440.088
134.5	975.910	934.179	825.791	678.065	547.833	508.523	472.187	446.106	446.292
135.0	979.100	938.261	830.326	683.943	554.607	515.297	478.581	452.500	452.942
135.5	983.053	940.315	834.860	689.060	561.383	521.945	485.168	458.959	459.082
136.0	984.344	943.130	839.201	694.938	568.094	528.594	491.562	465.099	465.541
136.5	988.800	945.946	843.231	700.623	574.741	534.987	498.020	471.495	471.680
137.0	988.890	949.266	847.068	706.437	581.517	541.698	504.541	477.764	478.395
137.5	992.584	952.715	851.667	711.682	588.103	548.413	510.809	484.029	484.726
138.0	993.939	954.833	854.109	717.303	594.747	554.867	517.199	490.296	490.666
138.5	997.827	958.915	857.441	722.483	601.142	561.388	523.723	496.946	497.446

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CANDELA TABULATION - (Cont.)

139.0	1000.010	960.464	861.976	728.233	607.727	567.719	530.117	503.214	503.905
139.5	1001.805	963.151	865.180	733.284	614.377	574.368	536.513	509.610	510.301
140.0	1003.794	966.031	869.146	738.401	620.898	580.699	542.718	515.878	516.633
140.5	1007.113	968.911	871.148	744.085	627.484	587.285	549.304	522.463	523.472
141.0	1009.037	971.663	874.416	749.137	634.196	593.681	555.825	529.174	530.183
141.5	1011.659	972.644	878.950	754.822	640.844	600.139	562.219	535.759	536.705
142.0	1013.144	976.157	882.154	759.938	647.175	606.597	568.612	542.343	543.289
142.5	1015.133	978.908	886.120	764.990	653.506	612.928	574.943	548.611	549.873
143.0	1018.258	980.962	889.324	770.171	659.838	619.385	581.275	554.942	556.394
143.5	1020.945	982.511	892.592	775.352	666.802	625.970	587.859	561.653	562.980
144.0	1019.768	984.758	896.493	780.532	673.198	632.428	594.189	568.236	569.563
144.5	1023.217	987.639	899.761	785.649	679.593	638.506	600.648	574.757	576.148
145.0	1026.407	989.821	902.397	790.261	685.925	644.837	606.979	581.089	582.987
145.5	1026.561	992.004	906.931	795.442	692.256	651.232	613.309	587.610	589.318
146.0	1028.485	993.424	909.501	800.054	698.018	657.564	619.513	593.941	595.839
146.5	1031.999	996.305	912.834	803.336	704.350	663.895	625.781	600.397	602.360
147.0	1033.419	997.725	916.038	807.884	710.681	670.226	632.302	606.790	608.943
147.5	1036.105	1000.670	918.738	811.230	716.443	676.686	638.570	613.248	615.274
148.0	1036.130	1000.953	922.006	815.145	722.775	682.953	644.901	619.706	621.922
148.5	1036.349	1002.503	924.008	820.326	728.537	688.651	651.297	626.164	628.381
149.0	1038.273	1005.383	927.276	824.873	734.933	694.414	657.564	632.494	634.964
149.5	1039.254	1004.400	929.278	828.220	740.631	700.809	663.895	638.635	641.297
150.0	1039.847	1007.151	932.547	833.465	746.329	707.141	670.226	644.966	648.261
150.5	1041.900	1008.701	936.513	837.444	752.027	712.903	676.557	651.930	654.592
151.0	1041.990	1010.250	937.313	842.057	757.790	718.601	682.320	658.197	661.492
151.5	1044.108	1010.598	941.214	845.971	763.552	724.932	688.651	664.593	667.887
152.0	1044.262	1011.579	942.648	850.584	769.315	730.695	694.982	670.859	674.787
152.5	1043.718	1013.129	945.348	853.930	775.013	736.393	701.378	677.190	681.183
153.0	1043.872	1013.412	948.047	858.543	780.143	742.156	707.011	682.888	687.514
153.5	1045.925	1015.026	950.049	862.522	783.373	747.854	713.407	689.853	693.845
154.0	1044.813	1016.007	951.483	867.134	789.704	754.250	719.105	696.119	700.874
154.5	1046.233	1016.355	952.787	870.481	794.136	759.315	725.436	702.450	707.270
155.0	1047.589	1017.272	955.358	873.827	797.999	765.142	731.199	708.148	713.536
155.5	1047.175	1017.051	957.166	877.871	802.496	770.775	737.530	714.479	719.932
156.0	1045.365	1018.032	958.341	881.152	808.194	776.603	743.293	720.811	726.199
156.5	1046.785	1019.078	959.645	885.196	812.690	779.768	748.991	727.077	731.897
157.0	1047.443	1018.728	961.582	888.607	817.820	785.531	754.689	732.775	738.293
157.5	1044.534	1019.141	962.887	891.255	822.252	790.596	761.085	739.106	744.624
158.0	1044.726	1017.654	964.385	894.602	826.748	795.661	766.783	745.437	750.955
158.5	1043.032	1018.067	965.250	897.379	831.813	799.524	771.848	751.135	756.653
159.0	1041.287	1018.479	966.748	900.726	836.309	804.589	775.646	756.833	762.984
159.5	1042.965	1018.827	967.613	904.136	840.108	810.287	783.308	763.165	768.682
160.0	1040.897	1018.477	968.543	906.849	845.238	814.784	786.474	768.863	775.013
160.5	1039.410	1018.063	970.106	908.994	849.101	819.913	792.237	774.561	780.776
161.0	1039.939	1018.152	971.036	911.772	852.267	824.345	796.668	778.993	787.042
161.5	1038.710	1015.838	972.534	914.485	857.332	829.410	800.532	784.691	792.107
162.0	1037.870	1014.855	970.996	917.263	860.497	833.906	806.230	790.389	794.511
162.5	1035.492	1013.304	973.192	918.141	865.627	839.036	810.662	794.820	800.079
163.0	1034.819	1014.350	972.920	921.552	868.857	844.101	817.057	799.252	804.950
163.5	1033.642	1012.294	973.281	922.999	873.289	847.964	821.489	804.950	810.584
164.0	1033.990	1012.268	974.211	925.143	876.454	851.763	825.921	810.015	815.584
164.5	1031.934	1010.277	973.939	926.590	880.318	856.195	831.684	815.778	822.419
165.0	1029.944	1010.186	974.300	928.735	884.116	861.260	836.749	820.210	827.484
165.5	1026.687	1006.929	974.093	930.815	887.980	864.490	840.547	824.641	831.916
166.0	1026.660	1005.701	973.756	932.959	891.145	868.288	845.044	830.340	838.118
166.5	1025.238	1004.408	974.182	935.104	893.678	872.785	850.044	835.404	843.816

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167.0	1023.687	1003.115	973.342	934.781	896.908	875.950	855.174	839.901	848.880
167.5	1020.934	1000.686	973.135	936.357	899.505	879.749	858.339	845.664	853.312
168.0	1016.540	998.824	972.927	937.933	902.671	883.612	863.469	850.729	858.442
168.5	1015.880	997.337	972.720	939.574	905.836	887.411	868.598	855.858	863.442
169.0	1012.055	995.153	971.247	938.617	909.066	891.210	871.699	859.657	867.809
169.5	1010.129	992.788	971.039	940.762	910.901	893.742	876.764	865.355	871.543
170.0	1008.203	990.358	970.199	941.137	912.800	897.606	880.628	869.154	876.608
170.5	1006.342	989.259	968.157	942.144	914.764	900.771	883.858	873.650	881.105
171.0	1002.452	986.959	968.648	942.583	916.031	903.937	887.088	878.082	884.968
171.5	999.389	984.658	965.908	943.023	919.261	905.901	890.951	882.643	890.033
172.0	997.722	981.789	965.830	944.030	921.858	909.066	894.750	885.175	893.702
172.5	994.723	978.985	963.788	943.836	923.693	912.232	898.549	890.240	898.703
173.0	990.523	976.684	961.875	943.707	925.024	915.398	902.347	894.039	901.171
173.5	988.288	973.815	961.294	944.844	926.225	916.664	905.513	897.205	905.667
174.0	985.922	971.579	958.748	944.715	926.858	919.829	908.045	901.068	910.034
174.5	982.226	967.509	956.965	944.586	928.822	922.995	911.146	904.867	911.933
175.0	978.530	964.704	955.181	943.255	930.722	924.894	913.679	907.967	915.668
175.5	974.899	962.029	953.462	944.521	931.923	926.096	916.909	911.198	918.200
176.0	973.929	959.419	951.808	944.456	933.254	928.693	920.010	914.428	923.330
176.5	968.657	955.672	950.219	943.888	933.823	929.959	923.873	917.658	925.294
177.0	965.918	953.320	947.493	943.888	933.952	931.859	924.506	920.759	928.459
177.5	961.847	949.766	946.730	942.622	935.153	932.492	927.672	923.292	930.294
178.0	958.035	947.608	945.399	942.622	935.787	934.391	929.507	927.155	935.423
178.5	953.978	943.681	943.500	941.988	935.787	936.290	931.406	929.623	938.524
179.0	951.251	942.350	940.967	941.988	936.420	936.923	934.636	932.155	939.791
179.5	948.654	939.882	939.701	940.722	936.420	938.190	935.903	934.119	944.920
180.0	938.810	938.810	938.810	938.810	938.810	938.810	938.810	938.810	938.810

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-3-00-L38-935U-L38-935D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	348.56	N.A.	5.50
0-30	740.42	N.A.	11.70
0-40	1214.56	N.A.	19.20
0-60	2199.84	N.A.	34.70
0-80	2946.24	N.A.	46.50
0-90	3180.7	N.A.	50.20
10-90	3090.66	N.A.	48.80
20-40	866.00	N.A.	13.70
20-50	1368.74	N.A.	21.60
40-70	1404.79	N.A.	22.20
60-80	746.40	N.A.	11.80
70-80	326.89	N.A.	5.20
80-90	234.46	N.A.	3.70
90-110	559.24	N.A.	8.80
90-120	975.80	N.A.	15.40
90-130	1454.93	N.A.	23.00
90-150	2423.7	N.A.	38.20
90-180	3155.89	N.A.	49.80
110-180	2596.65	N.A.	41.00
0-180	6336.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.04
10-20	258.51
20-30	391.87
30-40	474.14
40-50	502.74
50-60	482.55
60-70	419.51
70-80	326.89
80-90	234.46
90-100	234.12
100-110	325.13
110-120	416.55
120-130	479.14
130-140	498.90
140-150	469.87
150-160	387.69
160-170	255.48
170-180	89.03

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-3-00-L38-935U-L38-935D-DMA-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	96	91	87	83	88	84	80	77	71	68	65	59	57	55	47	46	44	39
2	87	79	72	66	80	73	67	62	61	57	53	51	47	44	41	38	36	32
3	79	69	61	55	72	64	57	51	54	48	44	44	40	37	36	33	30	26
4	72	61	52	46	66	56	49	43	47	42	37	39	35	31	32	28	26	22
5	66	54	45	39	61	50	42	37	42	36	32	35	30	27	28	25	22	19
6	61	48	40	34	56	45	37	32	38	32	27	32	27	23	26	22	19	16
7	56	43	35	29	51	40	33	28	34	28	24	29	24	21	23	20	17	14
8	52	39	31	26	48	37	29	24	31	25	21	26	22	18	21	18	15	13
9	48	36	28	23	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-3-00-L38-935U-L38-935D-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

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

Room Size UGR Viewed Crosswise

X=2H	Y=2H	21.1	22.0	22.1	23.0	24.3	15.2	16.1	16.1	17.1	18.3
	3H	24.2	25.0	25.2	26.0	27.3	16.5	17.4	17.5	18.3	19.6
	4H	25.8	26.6	26.8	27.6	28.8	17.0	17.7	17.9	18.7	20.0
	6H	27.5	28.2	28.4	29.2	30.5	17.2	17.9	18.2	18.9	20.2
	8H	28.3	29.0	29.3	30.1	31.4	17.3	17.9	18.2	19.0	20.3
	12H	29.3	30.0	30.3	31.0	32.3	17.3	17.9	18.3	18.9	20.3

UGR Viewed Endwise

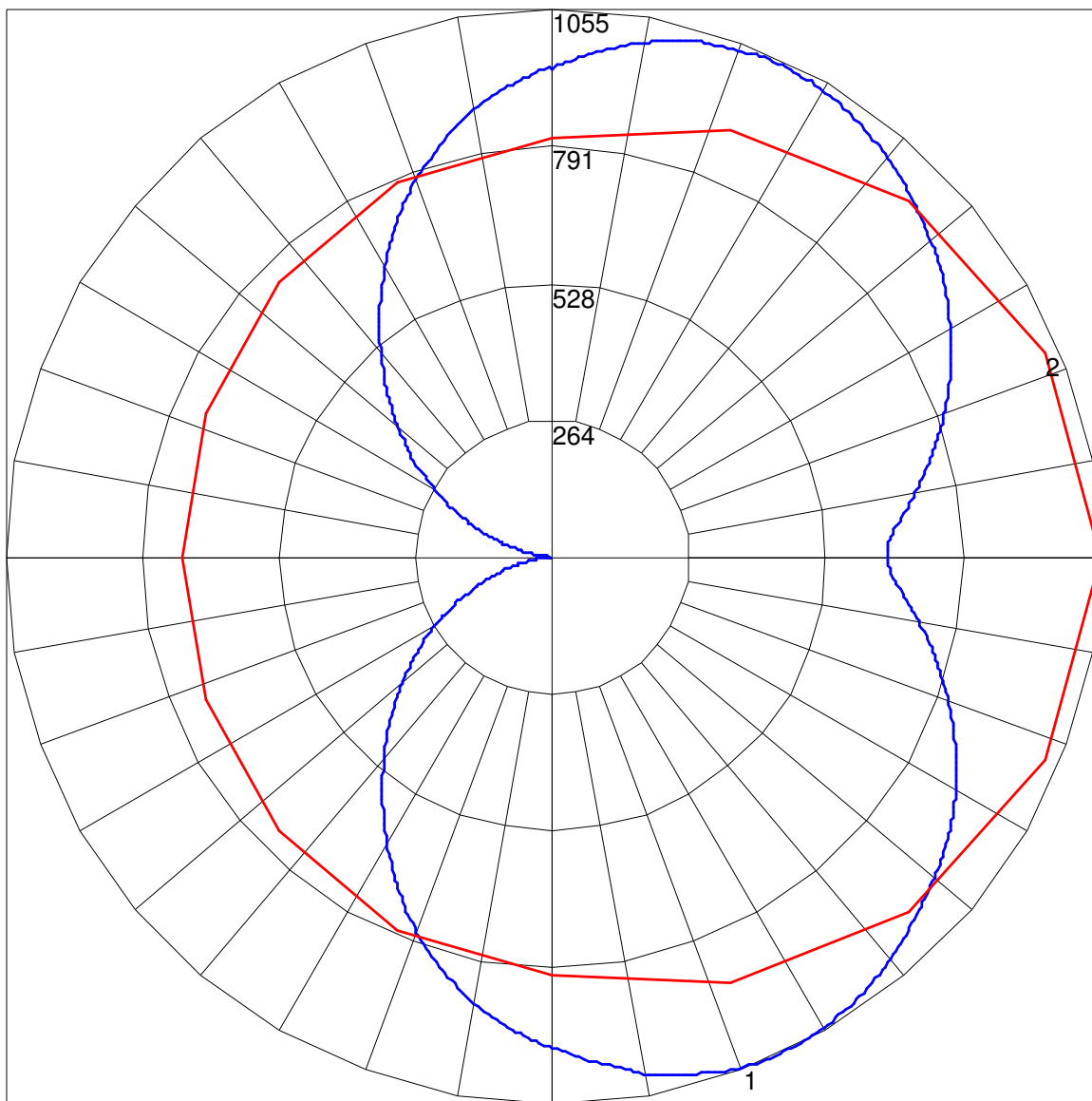
4H	2H	21.4	22.2	22.4	23.2	24.5	16.4	17.2	17.4	18.2	19.5
	3H	24.7	25.4	25.7	26.4	27.7	18.1	18.7	19.0	19.7	21.0
	4H	26.5	27.1	27.5	28.1	29.4	18.6	19.2	19.6	20.2	21.6
	6H	28.4	28.9	29.4	29.9	31.2	19.0	19.5	20.0	20.6	21.9
	8H	29.3	29.8	30.4	30.9	32.2	19.1	19.6	20.1	20.6	22.0
	12H	30.4	30.9	31.5	31.9	33.3	19.1	19.6	20.2	20.6	22.0

8H	4H	26.6	27.1	27.6	28.1	29.5	19.7	20.2	20.7	21.2	22.6
	6H	28.7	29.1	29.7	30.1	31.5	20.4	20.8	21.4	21.8	23.2
	8H	29.8	30.2	30.8	31.2	32.6	20.6	21.0	21.6	22.0	23.4
	12H	31.1	31.4	32.1	32.5	33.9	20.7	21.0	21.7	22.1	23.5

12H	4H	26.6	27.0	27.6	28.1	29.4	20.1	20.5	21.1	21.6	22.9
	6H	28.7	29.0	29.7	30.1	31.5	20.9	21.3	21.9	22.3	23.7
	8H	29.9	30.2	30.9	31.2	32.6	21.2	21.5	22.2	22.6	24.0

Maximum UGR = 33.9

POLAR GRAPH



Maximum Candela = 1055.042 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.)