

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-3-00-L38-950U-L38-950D-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-3-00-L38-950U-L38-950D-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	6795
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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	18707	17619	16798
55	18596	16837	15340
65	18628	16227	13608
75	18952	15826	11067
85	19922	16135	7333

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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	1016.873	1016.873	1016.873	1016.873	1016.873	1016.873	1016.873	1016.873	1016.873
0.5	1018.302	1020.000	1018.110	1021.983	1015.051	1020.325	1013.475	1013.422	1013.518
1.0	1021.075	1022.418	1021.847	1022.812	1014.426	1018.803	1010.567	1010.513	1010.678
1.5	1024.744	1025.666	1022.947	1025.027	1014.426	1015.962	1009.045	1006.980	1005.826
2.0	1027.856	1029.675	1025.434	1025.230	1013.665	1013.815	1006.272	1004.139	1002.985
2.5	1032.355	1032.433	1028.750	1026.127	1012.972	1012.429	1003.500	1002.060	1000.280
3.0	1035.331	1036.578	1031.372	1026.331	1012.278	1011.042	1001.420	997.901	996.747
3.5	1039.272	1040.233	1033.302	1028.682	1012.278	1008.202	997.955	995.060	994.667
4.0	1044.463	1043.888	1036.617	1028.886	1010.824	1005.429	996.568	991.595	989.815
4.5	1046.814	1046.918	1039.240	1028.464	1010.131	1004.736	993.102	988.129	985.588
5.0	1048.119	1050.709	1041.509	1030.747	1008.745	1001.270	988.944	984.595	981.497
5.5	1052.956	1053.807	1042.256	1031.019	1006.665	997.804	986.864	981.130	979.418
6.0	1056.204	1056.279	1044.253	1030.597	1005.211	997.043	984.092	978.289	975.191
6.5	1058.827	1060.967	1046.318	1030.243	1003.893	994.339	980.490	973.369	971.100
7.0	1061.449	1063.929	1047.690	1030.379	1003.132	992.123	977.024	969.142	966.180
7.5	1064.126	1066.402	1049.130	1030.093	999.598	988.658	972.865	965.677	961.328
8.0	1069.274	1068.181	1050.909	1028.285	997.519	985.192	969.400	961.450	956.476
8.5	1073.837	1070.789	1052.689	1029.318	996.826	983.113	965.866	957.291	951.692
9.0	1080.072	1073.533	1054.264	1028.203	993.360	979.579	961.639	951.678	946.840
9.5	1083.155	1075.924	1055.215	1028.543	991.212	975.420	957.480	947.451	945.454
10.0	1086.593	1079.633	1056.097	1027.564	989.133	972.580	954.014	943.292	937.829
10.5	1089.962	1081.819	1057.673	1026.517	985.667	969.182	949.788	938.372	934.431
11.0	1092.013	1083.381	1058.624	1024.845	984.213	965.648	944.868	934.906	929.579
11.5	1093.860	1085.839	1058.881	1023.173	980.054	961.489	940.777	929.293	923.341
12.0	1095.014	1087.604	1059.831	1022.887	977.282	959.342	936.550	924.441	917.863
12.5	1099.009	1090.755	1060.156	1021.215	975.134	953.729	931.698	919.589	913.011
13.0	1101.263	1092.453	1060.617	1019.543	972.362	950.263	926.778	913.976	906.216
13.5	1103.028	1094.707	1061.078	1018.564	967.510	946.104	922.551	908.363	902.193
14.0	1106.384	1096.133	1061.607	1016.959	965.362	940.491	916.313	902.818	896.158
14.5	1108.706	1097.626	1060.614	1014.526	961.896	937.025	911.393	897.273	889.987
15.0	1108.745	1098.359	1060.939	1012.922	956.976	932.798	906.541	891.727	883.817
15.5	1110.185	1099.159	1060.843	1009.796	952.818	928.572	900.928	885.489	880.351
16.0	1110.796	1100.653	1060.053	1007.227	949.284	923.720	896.701	879.944	871.965
16.5	1113.783	1102.146	1061.343	1006.316	945.818	918.867	891.156	875.092	867.807
17.0	1117.056	1101.561	1061.247	1003.189	942.352	913.254	886.236	868.786	863.716
17.5	1117.571	1103.815	1060.389	999.302	937.433	909.721	879.930	864.559	856.716
18.0	1119.540	1103.229	1059.532	997.698	932.580	902.721	873.691	858.320	851.864
18.5	1122.202	1104.097	1058.471	994.707	927.661	898.562	870.851	854.855	845.558
19.0	1121.533	1104.966	1058.238	992.546	923.502	892.949	865.306	848.616	839.319
19.5	1124.671	1105.073	1056.484	989.759	918.582	888.723	858.999	842.378	832.320
20.0	1126.218	1104.623	1056.252	986.075	914.423	883.177	856.227	836.140	826.082
20.5	1126.664	1105.491	1053.872	983.084	910.196	877.564	849.920	829.833	819.082
21.0	1127.043	1104.973	1052.947	978.979	903.958	872.019	843.682	823.595	812.844
21.5	1128.183	1105.284	1051.261	976.885	899.731	869.179	838.137	816.663	805.913
22.0	1129.662	1105.038	1049.642	974.166	894.186	862.247	831.831	810.425	798.913
22.5	1130.516	1104.791	1047.956	970.619	888.573	857.259	825.524	804.187	792.675
23.0	1129.916	1105.170	1046.337	967.003	883.653	850.328	819.286	797.255	785.675
23.5	1130.077	1104.434	1045.344	962.001	877.414	847.555	812.980	790.324	778.744
24.0	1130.863	1104.323	1043.032	959.350	873.255	841.942	806.674	784.018	771.119
24.5	1131.310	1104.077	1041.414	955.312	866.949	835.704	800.435	777.154	764.881
25.0	1130.370	1103.898	1038.409	952.390	864.870	829.330	794.129	770.155	757.881
25.5	1128.737	1102.333	1036.791	948.842	859.950	823.091	787.891	763.223	750.257
26.0	1129.184	1101.951	1034.479	943.214	855.098	816.785	780.891	756.985	743.951
26.5	1128.312	1100.183	1032.235	938.905	848.791	810.547	774.585	750.053	736.258

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CANDELA TABULATION - (Cont.)

27.0	1126.748	1099.107	1030.752	935.357	842.485	804.173	767.653	743.122	729.327
27.5	1126.705	1098.725	1026.565	931.810	836.872	797.934	761.347	736.122	722.327
28.0	1127.151	1096.956	1023.832	925.421	830.634	790.935	755.041	729.191	714.702
28.5	1125.315	1095.188	1021.724	922.498	825.089	784.696	748.109	722.259	707.703
29.0	1123.818	1094.806	1019.616	916.871	818.157	778.390	741.178	714.635	700.772
29.5	1123.504	1091.651	1016.950	911.108	811.851	771.459	734.179	707.703	693.494
30.0	1122.971	1089.746	1014.149	907.492	805.545	764.391	727.940	700.704	686.288
30.5	1121.203	1088.181	1011.348	902.558	799.306	758.153	720.941	693.703	679.355
31.0	1120.956	1087.106	1008.615	897.488	793.068	751.154	714.009	686.702	672.147
31.5	1119.459	1085.895	1004.427	895.259	786.762	744.222	707.078	679.840	665.009
32.0	1117.133	1084.126	1002.387	889.495	779.830	737.916	700.078	672.699	658.146
32.5	1117.580	1081.665	998.825	886.573	773.524	730.916	693.078	665.767	650.870
33.0	1113.800	1080.657	995.888	881.639	767.285	723.985	686.077	658.491	643.592
33.5	1114.450	1077.434	992.258	875.943	760.286	716.986	679.145	651.490	636.592
34.0	1113.511	1075.041	987.935	870.941	753.355	710.054	672.146	644.628	629.315
34.5	1111.321	1072.579	983.612	865.178	746.355	703.748	665.145	637.488	622.245
35.0	1108.723	1070.117	980.743	859.483	739.424	696.608	658.283	630.488	615.383
35.5	1107.090	1068.417	977.738	854.481	733.185	689.609	651.421	623.417	608.174
36.0	1104.479	1064.569	973.550	848.785	726.254	682.608	644.420	616.486	600.966
36.5	1102.982	1062.107	970.614	843.090	718.629	675.609	637.143	609.693	593.827
37.0	1100.588	1060.406	965.529	837.327	711.630	668.816	630.350	602.555	586.618
37.5	1098.466	1056.626	961.138	831.632	704.698	661.609	623.419	595.346	579.827
38.0	1097.594	1053.471	958.337	825.937	697.767	654.608	616.349	588.553	572.481
38.5	1093.256	1051.078	952.628	820.241	690.698	647.468	609.417	581.485	565.203
39.0	1091.134	1049.377	948.930	813.853	683.489	640.608	602.347	574.553	558.133
39.5	1088.115	1045.529	949.458	808.090	676.488	633.607	595.554	567.483	551.132
40.0	1087.311	1043.135	945.203	802.395	669.280	626.398	588.693	560.553	544.339
40.5	1083.109	1040.605	940.948	796.006	662.072	619.399	581.554	553.620	537.338
41.0	1079.955	1036.961	936.557	790.243	655.072	612.398	574.622	546.621	530.202
41.5	1076.446	1033.806	932.301	783.990	647.724	605.121	567.552	539.828	523.338
42.0	1075.574	1031.277	927.217	778.363	640.585	598.465	560.622	532.759	516.477
42.5	1072.691	1028.190	922.894	772.736	633.376	591.397	553.621	525.689	509.683
43.0	1069.115	1022.955	918.435	767.244	626.169	584.257	546.690	519.035	502.477
43.5	1067.414	1020.494	914.180	760.991	618.613	577.118	539.551	511.897	495.752
44.0	1063.770	1017.339	909.231	754.739	611.543	570.118	532.411	504.896	489.167
44.5	1060.886	1014.252	904.079	748.418	604.196	563.187	525.412	498.035	482.306
45.0	1058.764	1011.790	899.824	742.723	596.987	555.841	518.480	490.965	475.583
45.5	1054.223	1007.317	894.807	736.473	589.780	548.769	511.271	484.172	468.514
46.0	1053.909	1004.230	889.791	730.293	582.432	541.630	504.340	477.310	461.721
46.5	1049.707	1002.461	885.468	724.042	575.153	534.561	497.200	470.310	455.206
47.0	1048.142	1001.386	880.451	717.653	567.599	527.491	490.200	463.586	448.622
47.5	1045.816	998.503	875.367	711.609	560.113	520.282	483.200	456.655	441.621
48.0	1043.001	994.451	870.554	705.564	552.696	512.867	476.337	450.070	434.828
48.5	1038.460	990.807	865.334	699.450	545.418	505.658	469.199	443.210	428.105
49.0	1035.644	986.959	860.386	693.128	538.141	498.519	462.198	436.555	421.243
49.5	1032.897	983.111	855.302	686.808	530.794	491.518	455.336	429.833	414.727
50.0	1033.275	980.092	850.217	680.626	523.377	484.380	448.475	423.110	407.865
50.5	1028.313	976.244	845.269	674.239	516.030	477.033	441.405	416.731	401.212
51.0	1027.373	972.532	840.320	668.058	508.752	469.962	434.543	409.940	394.490
51.5	1023.932	968.751	834.543	661.668	501.474	462.684	427.542	403.216	387.974
52.0	1020.492	964.210	829.391	655.004	494.057	455.684	420.818	396.633	381.597
52.5	1017.541	960.430	824.442	648.754	486.779	448.615	413.957	390.048	374.943
53.0	1013.896	956.514	818.733	642.227	479.432	441.406	407.026	383.463	368.219
53.5	1010.252	952.802	813.579	635.771	472.292	434.128	400.094	376.947	361.497
54.0	1006.879	948.886	808.218	629.175	464.877	427.127	393.232	370.224	355.535
54.5	1003.235	944.617	802.647	622.509	457.737	420.196	386.441	363.779	348.953

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CANDELA TABULATION - (Cont.)

55.0	999.726	940.701	797.355	616.053	450.459	412.988	379.579	357.125	342.297
55.5	996.150	936.160	792.129	609.318	443.251	405.712	372.787	350.540	335.920
56.0	992.641	932.379	786.698	602.792	435.903	398.709	366.062	344.232	329.198
56.5	989.268	927.838	781.058	595.988	428.624	391.571	359.063	337.439	323.029
57.0	985.692	924.126	775.490	589.253	421.278	384.569	352.546	331.202	316.928
57.5	981.422	919.653	770.124	582.519	414.067	377.294	345.893	324.479	310.206
58.0	977.642	915.044	764.624	575.576	406.583	370.222	339.031	318.171	303.759
58.5	974.270	910.571	758.988	568.843	399.235	363.222	332.446	311.725	297.244
59.0	970.693	906.233	753.141	561.900	391.749	356.153	325.861	305.209	291.075
59.5	966.491	901.556	747.706	554.959	384.194	349.013	319.345	298.902	284.767
60.0	961.950	897.015	741.861	548.225	376.777	341.806	312.830	292.525	278.390
60.5	957.816	892.542	736.430	541.491	369.430	334.736	306.177	286.217	272.013
61.0	954.240	887.998	730.791	534.895	362.152	327.597	299.523	279.840	265.705
61.5	949.902	883.457	725.153	528.092	354.735	320.665	292.868	273.463	259.328
62.0	944.872	878.638	719.237	521.149	347.456	313.527	286.491	267.087	253.229
62.5	940.602	873.886	713.664	514.346	339.970	306.526	279.837	260.641	246.782
63.0	936.333	869.342	708.098	507.544	332.761	299.317	273.184	254.333	240.613
63.5	932.063	864.316	702.459	500.739	325.414	292.178	266.667	248.094	234.236
64.0	927.861	859.428	696.543	493.936	318.066	285.385	260.082	241.647	228.277
64.5	922.899	854.610	690.975	487.134	310.789	278.315	253.359	235.340	222.522
65.0	918.145	849.791	684.852	480.053	303.442	271.383	246.635	229.101	216.076
65.5	913.325	844.696	679.212	473.043	296.025	264.313	240.189	222.794	209.976
66.0	908.640	839.460	673.504	466.241	288.815	257.245	233.465	216.625	204.015
66.5	904.229	834.435	667.452	459.369	281.608	250.174	227.020	210.248	198.054
67.0	899.266	829.407	661.812	452.497	274.398	243.243	220.711	204.148	192.301
67.5	894.443	824.379	655.757	445.417	267.187	236.450	214.265	197.979	186.270
68.0	889.689	819.148	649.844	438.407	259.634	229.727	207.751	191.879	180.101
68.5	884.657	813.912	643.999	431.466	252.355	222.656	201.235	185.779	174.002
69.0	880.251	808.749	637.875	424.664	245.216	215.933	194.789	179.680	168.387
69.5	875.288	803.722	632.167	417.931	238.077	209.001	188.688	173.719	162.565
70.0	870.602	798.485	626.046	411.197	230.868	202.278	182.382	167.757	156.741
70.5	865.776	793.183	620.130	404.394	223.730	195.417	176.143	161.658	150.712
71.0	861.091	787.947	614.146	397.388	216.520	188.763	169.905	155.905	144.889
71.5	856.333	782.712	607.887	390.656	209.727	182.109	163.807	150.151	139.136
72.0	851.169	777.135	602.041	384.130	202.655	175.454	157.705	144.398	133.867
72.5	846.273	772.037	596.057	377.467	195.101	168.869	151.675	138.853	127.975
73.0	841.177	766.665	590.211	371.011	188.307	162.423	145.783	133.031	122.430
73.5	836.213	761.155	584.300	364.347	181.308	156.185	139.822	127.347	116.746
74.0	831.318	755.851	578.179	357.686	174.444	149.877	133.930	121.939	111.341
74.5	826.015	750.276	572.263	351.093	167.790	143.639	128.177	116.463	106.281
75.0	820.983	744.972	566.076	344.705	161.066	137.400	122.493	111.058	100.805
75.5	815.815	739.462	560.165	338.045	154.480	131.301	116.808	105.513	95.605
76.0	810.579	734.160	554.527	331.522	147.895	125.340	111.056	100.314	90.545
76.5	805.336	728.582	548.478	325.341	141.310	119.448	105.373	94.907	85.556
77.0	800.031	723.351	542.567	318.750	134.932	113.556	100.103	89.847	80.910
77.5	794.725	717.843	536.656	312.639	128.416	107.734	94.629	84.718	76.058
78.0	789.558	712.543	530.951	306.393	122.316	101.911	89.291	79.797	71.345
78.5	783.975	707.038	525.314	300.490	116.147	96.227	84.023	74.943	66.631
79.0	778.740	701.394	519.542	294.246	110.185	90.751	78.825	70.091	61.848
79.5	773.434	696.094	513.906	288.207	104.154	85.345	73.763	65.239	57.482
80.0	767.994	690.726	508.205	282.240	98.192	80.075	68.842	60.664	53.045
80.5	762.552	685.292	502.501	276.616	92.439	74.807	63.990	56.090	48.748
81.0	757.455	680.062	497.213	270.993	86.892	69.678	59.277	51.653	44.312
81.5	752.219	674.418	491.720	265.371	81.485	64.755	54.631	47.287	40.014
82.0	746.916	669.189	486.432	259.749	76.148	59.903	49.988	42.989	35.995
82.5	742.161	664.446	481.217	254.334	70.811	55.259	45.689	39.037	32.180

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CANDELA TABULATION - (Cont.)

83.0	736.999	659.354	475.862	249.264	65.682	50.546	41.392	35.016	28.231
83.5	732.113	654.194	470.647	244.264	60.760	45.970	37.302	31.065	24.418
84.0	727.362	649.312	465.708	239.267	55.977	41.603	33.282	27.253	20.674
84.5	722.473	644.292	460.702	234.269	51.264	37.374	29.192	23.441	17.210
85.0	717.861	639.204	455.765	229.549	46.689	33.285	25.311	19.906	14.089
85.5	713.317	634.528	450.618	224.828	42.184	29.195	21.566	16.509	11.316
86.0	708.777	630.056	445.681	220.316	37.817	25.244	17.962	13.459	9.306
86.5	704.574	625.992	441.226	215.803	33.589	21.431	14.496	11.101	7.918
87.0	700.710	623.154	436.834	211.636	29.568	17.688	11.446	9.230	7.017
87.5	697.933	620.996	433.535	207.331	25.548	14.082	9.296	8.050	6.461
88.0	696.588	619.995	431.183	203.094	21.459	10.547	7.771	7.218	6.181
88.5	695.576	619.263	429.713	199.399	17.369	7.635	6.938	6.594	5.836
89.0	694.975	619.079	429.337	196.861	13.209	6.249	6.453	6.385	5.765
89.5	694.854	618.964	429.028	196.020	9.671	5.763	6.245	6.177	5.696
90.0	694.933	618.916	429.064	196.069	8.272	5.624	6.174	6.176	5.764
90.5	694.399	619.078	429.104	196.463	9.826	5.622	6.173	6.174	5.693
91.0	694.689	619.584	429.622	198.308	13.219	5.689	6.103	6.242	5.693
91.5	694.843	620.506	430.764	201.541	17.292	6.775	6.171	6.173	5.624
92.0	695.687	621.980	433.359	205.399	21.230	8.742	6.375	6.103	5.760
92.5	696.600	624.489	436.921	209.257	25.030	11.933	6.917	6.307	5.895
93.0	698.482	627.625	441.174	213.732	28.830	15.667	8.274	6.579	6.371
93.5	700.918	631.588	445.704	217.726	32.768	19.401	10.583	7.324	7.457
94.0	704.530	636.103	450.367	222.266	36.909	23.203	13.705	8.818	9.561
94.5	708.903	640.690	454.754	226.738	41.118	26.867	17.304	11.195	12.481
95.0	713.482	645.616	459.898	231.207	45.463	30.873	20.968	14.045	15.738
95.5	718.061	650.611	464.834	235.883	49.944	34.947	24.770	17.507	19.473
96.0	722.847	655.261	469.699	240.693	54.560	39.019	28.845	21.242	23.139
96.5	727.494	660.048	474.703	245.710	59.311	43.296	32.850	24.975	27.077
97.0	732.209	664.906	479.706	250.793	64.199	47.573	36.991	28.912	31.082
97.5	737.062	669.896	484.778	255.874	69.292	52.122	41.200	33.055	35.020
98.0	741.773	674.887	489.852	261.296	74.314	56.738	45.409	37.060	39.024
98.5	746.759	680.013	495.197	266.786	79.679	61.490	49.821	41.268	43.370
99.0	751.676	685.209	500.542	272.206	85.245	66.582	54.371	45.545	47.715
99.5	756.595	690.267	505.953	277.900	90.811	71.606	59.053	50.027	52.265
100.0	761.511	695.461	511.501	283.659	96.513	76.901	63.738	54.508	56.608
100.5	766.428	700.722	516.979	289.419	102.352	82.196	68.626	58.988	61.224
101.0	771.619	705.848	522.595	295.383	108.327	87.491	73.719	63.605	65.773
101.5	776.399	710.969	528.139	301.280	114.368	93.196	78.742	68.289	70.593
102.0	781.586	716.302	533.956	307.312	120.546	98.488	83.970	73.109	75.550
102.5	786.570	721.426	539.568	313.275	126.724	104.464	89.197	78.065	80.438
103.0	791.694	726.685	545.248	319.307	133.175	111.524	94.560	83.021	85.462
103.5	796.812	731.878	550.995	325.473	139.692	117.362	99.991	88.112	90.418
104.0	801.937	737.069	556.812	331.777	146.073	122.317	105.423	93.273	95.713
104.5	806.917	742.535	562.557	337.943	152.591	128.564	111.125	98.567	101.008
105.0	812.175	747.659	568.237	344.109	159.379	134.538	116.761	103.932	106.372
105.5	816.681	752.918	574.119	350.413	166.102	140.852	122.463	109.295	111.735
106.0	821.867	758.178	579.797	356.783	172.889	147.912	128.302	114.726	117.235
106.5	826.715	763.232	585.476	363.223	179.883	155.244	134.209	120.226	122.665
107.0	831.766	768.424	591.222	369.457	186.740	160.607	140.047	125.860	128.572
107.5	836.818	773.682	596.900	375.896	193.732	166.378	146.157	131.427	134.071
108.0	841.665	778.805	602.785	382.470	200.726	172.895	152.131	137.402	139.842
108.5	846.442	783.927	608.599	389.045	207.855	179.549	158.173	143.103	145.546
109.0	851.562	788.846	614.347	395.551	214.915	186.133	164.419	149.079	151.384
109.5	856.271	794.314	620.092	401.989	221.975	192.788	170.598	154.850	157.155
110.0	861.185	799.094	625.704	408.700	229.171	199.509	176.708	160.824	163.198
110.5	865.964	804.219	631.109	415.274	236.368	206.230	183.022	166.798	169.105

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CANDELA TABULATION - (Cont.)

111.0	870.811	809.002	636.786	421.849	243.632	213.020	189.335	172.841	175.147
111.5	875.524	813.989	642.535	428.560	250.896	219.809	195.581	178.951	180.917
112.0	880.030	818.978	648.143	435.202	258.160	226.665	202.030	185.061	186.754
112.5	884.877	823.898	653.890	441.979	265.629	233.658	208.548	191.103	192.730
113.0	889.244	828.818	659.570	448.621	272.825	240.650	214.929	197.145	198.840
113.5	894.024	833.671	665.178	455.535	280.089	247.712	221.514	203.391	205.085
114.0	898.596	838.315	670.787	462.177	287.557	254.637	228.237	209.569	211.195
114.5	903.102	843.098	676.397	468.886	294.753	261.765	236.246	215.952	217.305
115.0	907.336	847.952	682.008	475.665	302.086	268.827	244.800	222.265	223.552
115.5	911.641	852.735	687.549	482.375	309.486	276.023	250.910	228.443	229.595
116.0	916.281	857.177	693.229	489.084	316.886	283.083	255.121	234.757	236.180
116.5	920.450	861.963	698.563	495.795	324.150	290.144	260.959	241.070	242.358
117.0	925.090	866.747	704.311	502.573	331.551	297.476	268.700	247.520	248.808
117.5	929.190	871.120	709.715	509.214	339.087	304.470	277.389	253.698	254.917
118.0	933.290	875.833	715.188	515.993	346.283	311.802	284.312	260.216	261.300
118.5	937.182	880.211	720.934	522.633	353.751	318.999	289.068	266.393	267.613
119.0	941.351	884.449	726.273	529.412	361.152	326.059	294.363	273.047	274.132
119.5	945.520	889.366	731.745	536.054	368.552	333.052	300.880	279.429	280.241
120.0	949.481	893.813	737.151	542.628	376.089	340.180	307.533	285.946	287.031
120.5	953.511	898.120	742.556	549.066	383.421	347.446	314.254	292.397	293.277
121.0	957.542	902.359	748.031	555.775	390.549	354.506	320.907	298.982	299.659
121.5	961.642	906.805	753.300	562.279	398.017	361.499	327.560	306.789	306.041
122.0	964.993	911.113	758.707	568.990	405.417	368.560	334.486	315.684	312.558
122.5	969.162	914.603	763.907	575.496	412.681	375.553	341.139	323.286	319.143
123.0	973.262	919.050	769.245	582.001	420.014	382.750	347.930	328.311	325.661
123.5	977.362	923.219	774.653	588.439	427.414	389.743	354.718	334.353	332.382
124.0	980.783	926.917	780.057	594.877	434.610	396.871	361.576	342.230	341.412
124.5	984.883	931.155	785.256	601.450	442.011	404.069	368.365	348.883	353.158
125.0	988.442	935.532	790.664	607.955	449.207	410.926	375.290	353.363	360.692
125.5	991.794	939.161	796.000	614.462	456.607	418.054	382.080	358.117	364.224
126.0	995.824	943.469	801.000	620.695	463.803	425.114	388.937	364.429	365.446
126.5	999.176	947.237	806.333	627.065	471.000	432.040	395.658	370.948	371.149
127.0	1002.736	951.544	812.013	633.435	478.333	439.236	402.447	377.535	377.666
127.5	1006.226	955.173	816.875	639.602	485.597	446.229	409.305	384.052	384.253
128.0	1009.578	958.871	821.599	646.038	492.725	453.425	416.231	390.637	390.974
128.5	1013.068	963.179	827.209	652.408	500.126	460.623	422.815	397.291	397.559
129.0	1016.558	966.877	832.071	658.643	507.458	467.615	429.944	404.079	404.280
129.5	1016.515	970.506	836.934	664.945	514.722	474.676	436.937	410.665	411.001
130.0	1020.075	974.135	842.544	671.247	521.919	481.736	443.861	417.251	417.723
130.5	1022.207	977.764	847.337	677.617	529.116	488.933	450.787	423.836	424.512
131.0	1025.559	980.645	852.199	683.782	536.448	495.994	457.507	430.490	431.165
131.5	1026.403	983.803	857.062	690.016	543.848	502.986	464.365	437.279	437.887
132.0	1031.722	986.753	861.924	696.183	551.112	509.979	471.425	444.000	444.812
132.5	1035.281	989.633	866.786	702.349	558.513	517.109	478.282	450.721	451.530
133.0	1036.804	992.112	871.648	708.380	565.845	524.101	485.410	457.308	458.255
133.5	1040.156	994.383	876.511	714.613	572.975	531.231	492.267	464.911	464.976
134.0	1045.004	998.760	881.304	720.916	580.171	538.359	499.329	471.564	471.902
134.5	1046.457	1001.710	885.487	727.081	587.435	545.284	506.321	478.354	478.554
135.0	1049.878	1006.087	890.349	733.385	594.699	552.548	513.177	485.211	485.685
135.5	1054.117	1008.289	895.212	738.871	601.965	559.676	520.240	492.137	492.269
136.0	1055.501	1011.309	899.866	745.175	609.161	566.806	527.097	498.721	499.195
136.5	1060.280	1014.328	904.188	751.270	616.289	573.661	534.021	505.579	505.777
137.0	1060.376	1017.887	908.302	757.505	623.555	580.857	541.014	512.301	512.977
137.5	1064.337	1021.586	913.234	763.129	630.616	588.058	547.735	519.019	519.766
138.0	1065.790	1023.857	915.851	769.156	637.740	594.978	554.587	525.739	526.136
138.5	1069.960	1028.234	919.425	774.711	644.598	601.970	561.583	532.870	533.406

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CANDELA TABULATION - (Cont.)

139.0	1072.300	1029.895	924.287	780.876	651.659	608.759	568.439	539.591	540.332
139.5	1074.225	1032.776	927.723	786.293	658.790	615.889	575.297	546.449	547.190
140.0	1076.357	1035.865	931.975	791.779	665.782	622.678	581.950	553.170	553.980
140.5	1079.917	1038.953	934.122	797.875	672.844	629.740	589.012	560.232	561.314
141.0	1081.980	1041.903	937.627	803.292	680.042	636.598	596.005	567.428	568.510
141.5	1084.791	1042.955	942.489	809.387	687.170	643.522	602.861	574.488	575.502
142.0	1086.383	1046.723	945.924	814.873	693.959	650.447	609.717	581.549	582.563
142.5	1088.516	1049.673	950.177	820.290	700.748	657.236	616.506	588.270	589.623
143.0	1091.867	1051.875	953.612	825.846	707.537	664.160	623.294	595.059	596.616
143.5	1094.748	1053.536	957.116	831.401	715.004	671.221	630.355	602.255	603.678
144.0	1093.486	1055.946	961.300	836.956	721.862	678.145	637.142	609.314	610.736
144.5	1097.184	1059.034	964.804	842.443	728.721	684.663	644.068	616.306	617.797
145.0	1100.605	1061.375	967.630	847.388	735.509	691.451	650.857	623.095	625.130
145.5	1100.770	1063.715	972.492	852.944	742.298	698.310	657.644	630.087	631.919
146.0	1102.834	1065.238	975.249	857.890	748.478	705.098	664.297	636.876	638.912
146.5	1106.601	1068.327	978.822	861.408	755.266	711.887	671.018	643.800	645.904
147.0	1108.124	1069.850	982.258	866.285	762.055	718.676	678.011	650.655	652.963
147.5	1111.005	1073.008	985.153	869.873	768.234	725.603	684.732	657.579	659.752
148.0	1111.031	1073.311	988.657	874.071	775.023	732.323	691.521	664.504	666.880
148.5	1111.266	1074.973	990.804	879.626	781.203	738.433	698.379	671.429	673.806
149.0	1113.329	1078.062	994.308	884.503	788.061	744.612	705.098	678.216	680.865
149.5	1114.381	1077.008	996.455	888.091	794.171	751.470	711.887	684.801	687.655
150.0	1115.017	1079.958	999.960	893.716	800.281	758.259	718.676	691.590	695.123
150.5	1117.219	1081.619	1004.212	897.983	806.391	764.438	725.465	699.058	701.912
151.0	1117.314	1083.281	1005.071	902.928	812.570	770.548	731.644	705.777	709.310
151.5	1119.586	1083.654	1009.254	907.126	818.749	777.337	738.433	712.635	716.168
152.0	1119.751	1084.706	1010.791	912.072	824.928	783.516	745.222	719.355	723.567
152.5	1119.168	1086.367	1013.686	915.660	831.038	789.626	752.080	726.144	730.425
153.0	1119.333	1086.671	1016.581	920.606	836.539	795.806	758.121	732.254	737.214
153.5	1121.535	1088.402	1018.728	924.873	840.002	801.916	764.979	739.721	744.003
154.0	1120.342	1089.454	1020.265	929.819	846.791	808.774	771.089	746.441	751.540
154.5	1121.865	1089.827	1021.663	933.407	851.543	814.205	777.877	753.230	758.398
155.0	1123.318	1090.810	1024.420	936.995	855.686	820.453	784.057	759.340	765.117
155.5	1122.874	1090.573	1026.359	941.331	860.507	826.494	790.846	766.129	771.975
156.0	1120.933	1091.625	1027.619	944.850	866.617	832.743	797.025	772.917	778.695
156.5	1122.456	1092.746	1029.017	949.186	871.439	836.137	803.135	779.637	784.805
157.0	1123.161	1092.371	1031.094	952.844	876.939	842.316	809.245	785.747	791.663
157.5	1120.042	1092.814	1032.493	955.684	881.691	847.747	816.103	792.536	798.452
158.0	1120.248	1091.219	1034.100	959.272	886.513	853.178	822.213	799.324	805.241
158.5	1118.432	1091.662	1035.027	962.250	891.944	857.321	827.644	805.434	811.351
159.0	1116.560	1092.104	1036.634	965.838	896.766	862.752	831.717	811.544	818.139
159.5	1118.360	1092.477	1037.561	969.496	900.839	868.862	839.933	818.333	824.249
160.0	1116.142	1092.102	1038.558	972.405	906.339	873.684	843.327	824.443	831.038
160.5	1114.548	1091.658	1040.234	974.705	910.482	879.184	849.507	830.553	837.218
161.0	1115.115	1091.754	1041.231	977.683	913.876	883.936	854.259	835.305	843.937
161.5	1113.798	1089.272	1042.837	980.592	919.307	889.367	858.402	841.415	849.368
162.0	1112.897	1088.218	1041.188	983.571	922.702	894.189	864.511	847.525	851.945
162.5	1110.346	1086.555	1043.543	984.513	928.202	899.689	869.264	852.277	857.916
163.0	1109.625	1087.676	1043.251	988.170	931.666	905.120	876.122	857.029	863.139
163.5	1108.363	1085.472	1043.639	989.721	936.418	909.263	880.874	863.139	869.180
164.0	1108.736	1085.444	1044.636	992.021	939.812	913.336	885.626	868.571	874.542
164.5	1106.532	1083.309	1044.344	993.573	943.955	918.088	891.805	874.750	881.871
165.0	1104.398	1083.212	1044.731	995.872	948.028	923.519	897.236	879.502	887.302
165.5	1100.905	1079.719	1044.509	998.103	952.171	926.983	901.310	884.254	892.054
166.0	1100.877	1078.402	1044.148	1000.402	955.565	931.056	906.131	890.364	898.704
166.5	1099.352	1077.016	1044.605	1002.702	958.281	935.878	911.493	895.795	904.814

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CANDELA TABULATION - (Cont.)

167.0	1097.688	1075.630	1043.704	1002.355	961.745	939.272	916.993	900.617	910.245
167.5	1094.736	1073.024	1043.482	1004.045	964.529	943.345	920.388	906.796	914.998
168.0	1090.025	1071.028	1043.259	1005.735	967.924	947.488	925.888	912.227	920.498
168.5	1089.317	1069.434	1043.037	1007.495	971.318	951.561	931.389	917.727	925.860
169.0	1085.216	1067.092	1041.457	1006.469	974.782	955.635	934.714	921.801	930.543
169.5	1083.150	1064.556	1041.235	1008.769	976.749	958.350	940.145	927.911	934.547
170.0	1081.085	1061.950	1040.334	1009.171	978.786	962.493	944.287	931.984	939.978
170.5	1079.089	1060.772	1038.144	1010.251	980.892	965.887	947.751	936.805	944.799
171.0	1074.918	1058.305	1038.670	1010.722	982.250	969.282	951.215	941.558	948.942
171.5	1071.634	1055.838	1035.733	1011.193	985.713	971.388	955.357	946.448	954.373
172.0	1069.846	1052.762	1035.649	1012.273	988.498	974.782	959.431	949.164	958.307
172.5	1066.631	1049.755	1033.460	1012.066	990.466	978.176	963.504	954.595	963.669
173.0	1062.128	1047.288	1031.409	1011.927	991.893	981.571	967.577	958.668	966.315
173.5	1059.730	1044.212	1030.785	1013.146	993.181	982.929	970.972	962.063	971.137
174.0	1057.194	1041.814	1028.055	1013.007	993.860	986.323	973.687	966.205	975.820
174.5	1053.231	1037.449	1026.143	1012.869	995.966	989.717	977.012	970.279	977.856
175.0	1049.267	1034.442	1024.230	1011.442	998.003	991.754	979.728	973.604	981.860
175.5	1045.374	1031.574	1022.387	1012.799	999.291	993.043	983.192	977.067	984.576
176.0	1044.334	1028.775	1020.614	1012.730	1000.718	995.827	986.517	980.531	990.076
176.5	1038.681	1024.756	1018.909	1012.121	1001.328	997.185	990.659	983.995	992.182
177.0	1035.743	1022.235	1015.986	1012.121	1001.466	999.222	991.338	987.320	995.577
177.5	1031.378	1018.424	1015.168	1010.763	1002.755	999.901	994.733	990.035	997.544
178.0	1027.290	1016.110	1013.741	1010.763	1003.434	1001.937	996.700	994.178	1003.044
178.5	1022.940	1011.898	1011.705	1010.084	1003.434	1003.974	998.737	996.824	1006.369
179.0	1020.016	1010.471	1008.989	1010.084	1004.113	1004.653	1002.200	999.540	1007.727
179.5	1017.232	1007.825	1007.631	1008.726	1004.113	1006.011	1003.558	1001.646	1013.228
180.0	1006.675	1006.675	1006.675	1006.675	1006.675	1006.675	1006.675	1006.675	1006.675

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-3-00-L38-950U-L38-950D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	373.75	N.A.	5.50
0-30	793.95	N.A.	11.70
0-40	1302.36	N.A.	19.20
0-60	2358.87	N.A.	34.70
0-80	3159.22	N.A.	46.50
0-90	3410.63	N.A.	50.20
10-90	3314.08	N.A.	48.80
20-40	928.61	N.A.	13.70
20-50	1467.69	N.A.	21.60
40-70	1506.34	N.A.	22.20
60-80	800.36	N.A.	11.80
70-80	350.52	N.A.	5.20
80-90	251.41	N.A.	3.70
90-110	599.67	N.A.	8.80
90-120	1046.34	N.A.	15.40
90-130	1560.11	N.A.	23.00
90-150	2598.9	N.A.	38.20
90-180	3384.03	N.A.	49.80
110-180	2784.36	N.A.	41.00
0-180	6794.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.55
10-20	277.20
20-30	420.19
30-40	508.41
40-50	539.08
50-60	517.43
60-70	449.83
70-80	350.52
80-90	251.41
90-100	251.04
100-110	348.63
110-120	446.66
120-130	513.78
130-140	534.96
140-150	503.83
150-160	415.71
160-170	273.94
170-180	95.47

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-L38-950U-L38-950D-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

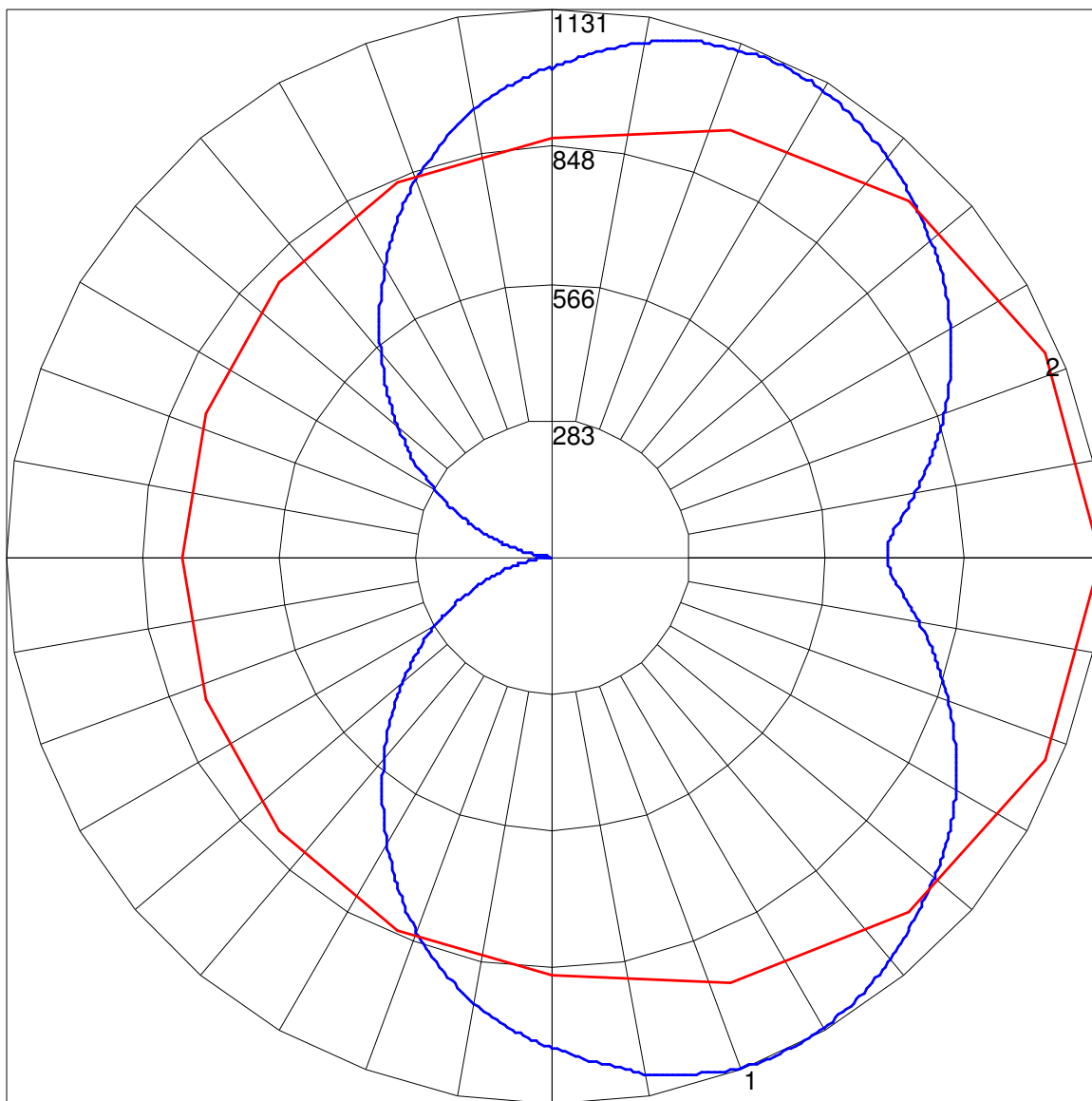
X=2H	Y=2H	21.4	22.3	22.4	23.3	24.6	15.5	16.4	16.4	17.4	18.6
	3H	24.5	25.3	25.5	26.3	27.6	16.8	17.7	17.8	18.6	19.9
	4H	26.1	26.9	27.1	27.9	29.1	17.3	18.0	18.2	19.0	20.3
	6H	27.8	28.5	28.7	29.5	30.8	17.5	18.2	18.5	19.2	20.5
	8H	28.7	29.3	29.6	30.4	31.7	17.6	18.2	18.5	19.3	20.6
	12H	29.6	30.3	30.6	31.3	32.6	17.6	18.2	18.6	19.2	20.6

UGR Viewed Endwise

4H	2H	21.7	22.5	22.7	23.5	24.8	16.7	17.5	17.7	18.5	19.8
	3H	25.0	25.7	26.0	26.7	28.0	18.4	19.0	19.3	20.0	21.3
	4H	26.8	27.4	27.8	28.4	29.7	18.9	19.5	19.9	20.5	21.9
	6H	28.7	29.2	29.7	30.2	31.5	19.3	19.8	20.3	20.9	22.2
	8H	29.6	30.1	30.7	31.2	32.5	19.4	19.9	20.4	20.9	22.3
	12H	30.7	31.2	31.8	32.2	33.6	19.4	19.9	20.5	20.9	22.3
8H	4H	26.9	27.4	27.9	28.4	29.8	20.0	20.5	21.0	21.6	22.9
	6H	29.0	29.4	30.0	30.4	31.8	20.7	21.1	21.7	22.1	23.5
	8H	30.1	30.5	31.1	31.5	32.9	20.9	21.3	21.9	22.3	23.7
	12H	31.4	31.7	32.4	32.8	34.2	21.0	21.3	22.0	22.4	23.8
12H	4H	26.9	27.3	27.9	28.4	29.7	20.4	20.8	21.4	21.9	23.2
	6H	29.0	29.3	30.0	30.4	31.8	21.2	21.6	22.2	22.6	24.0
	8H	30.2	30.5	31.2	31.5	32.9	21.5	21.8	22.5	22.9	24.3

Maximum UGR = 34.2

POLAR GRAPH



Maximum Candela = 1131.31 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.)