

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-935U-L13-935D-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
[MANUFAC] H E Williams Inc
[LUMCAT] CMH-2-00-L13-935U-L13-935D-DMA-DIM-UNV_
[LUMINAIRE] 2' 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	2190
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	23.8
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)	1.83 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9044	8428	7948
55	8991	8033	7197
65	9006	7718	6299
75	9163	7495	4989
85	9632	7594	3027

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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	327.701	327.701	327.701	327.701	327.701	327.701	327.701	327.701	327.701
0.5	328.161	328.708	328.099	329.347	327.114	328.813	326.606	326.589	326.620
1.0	329.055	329.488	329.304	329.615	326.912	328.323	325.669	325.651	325.704
1.5	330.237	330.534	329.658	330.328	326.912	327.407	325.178	324.513	324.141
2.0	331.240	331.826	330.460	330.394	326.667	326.715	324.285	323.597	323.225
2.5	332.690	332.715	331.528	330.683	326.443	326.268	323.391	322.927	322.354
3.0	333.649	334.051	332.373	330.749	326.220	325.822	322.721	321.587	321.215
3.5	334.919	335.229	332.995	331.506	326.220	324.906	321.604	320.671	320.545
4.0	336.592	336.407	334.064	331.572	325.751	324.013	321.157	319.554	318.981
4.5	337.350	337.383	334.909	331.436	325.528	323.789	320.040	318.438	317.619
5.0	337.770	338.605	335.640	332.172	325.081	322.673	318.700	317.299	316.301
5.5	339.329	339.603	335.881	332.259	324.411	321.556	318.030	316.182	315.630
6.0	340.376	340.400	336.524	332.123	323.943	321.310	317.136	315.267	314.268
6.5	341.221	341.911	337.190	332.010	323.518	320.439	315.976	313.681	312.950
7.0	342.066	342.865	337.632	332.053	323.272	319.725	314.859	312.319	311.364
7.5	342.928	343.662	338.096	331.961	322.134	318.608	313.519	311.202	309.801
8.0	344.588	344.235	338.669	331.379	321.464	317.491	312.402	309.840	308.237
8.5	346.058	345.076	339.243	331.711	321.240	316.821	311.263	308.500	306.695
9.0	348.067	345.960	339.751	331.352	320.123	315.682	309.901	306.691	305.132
9.5	349.061	346.731	340.057	331.461	319.431	314.342	308.561	305.329	304.685
10.0	350.169	347.926	340.341	331.146	318.761	313.427	307.444	303.988	302.228
10.5	351.255	348.631	340.849	330.809	317.644	312.332	306.082	302.403	301.133
11.0	351.916	349.134	341.155	330.270	317.176	311.193	304.496	301.286	299.569
11.5	352.511	349.926	341.238	329.731	315.835	309.853	303.178	299.477	297.559
12.0	352.883	350.495	341.545	329.639	314.942	309.161	301.816	297.913	295.794
12.5	354.170	351.510	341.649	329.100	314.250	307.352	300.252	296.350	294.230
13.0	354.897	352.057	341.798	328.561	313.356	306.235	298.666	294.541	292.040
13.5	355.466	352.784	341.947	328.246	311.793	304.895	297.304	292.732	290.743
14.0	356.547	353.243	342.117	327.729	311.101	303.086	295.294	290.945	288.799
14.5	357.295	353.725	341.797	326.944	309.984	301.969	293.708	289.158	286.810
15.0	357.308	353.961	341.902	326.427	308.398	300.607	292.145	287.371	284.822
15.5	357.772	354.219	341.871	325.420	307.058	299.244	290.336	285.361	283.705
16.0	357.969	354.700	341.616	324.592	305.919	297.681	288.974	283.574	281.002
16.5	358.931	355.181	342.032	324.298	304.802	296.117	287.187	282.010	279.662
17.0	359.986	354.992	342.001	323.291	303.686	294.308	285.601	279.978	278.344
17.5	360.152	355.719	341.724	322.038	302.100	293.170	283.569	278.615	276.088
18.0	360.786	355.530	341.448	321.521	300.536	290.914	281.559	276.605	274.524
18.5	361.644	355.810	341.106	320.558	298.951	289.574	280.643	275.488	272.492
19.0	361.429	356.090	341.031	319.861	297.611	287.765	278.856	273.478	270.482
19.5	362.440	356.124	340.466	318.963	296.025	286.403	276.824	271.467	268.226
20.0	362.939	355.979	340.391	317.776	294.685	284.616	275.930	269.457	266.216
20.5	363.082	356.259	339.624	316.812	293.323	282.807	273.898	267.425	263.960
21.0	363.205	356.092	339.326	315.489	291.312	281.020	271.888	265.414	261.950
21.5	363.572	356.192	338.783	314.814	289.950	280.104	270.101	263.181	259.716
22.0	364.049	356.113	338.261	313.938	288.163	277.871	268.068	261.170	257.460
22.5	364.324	356.034	337.718	312.795	286.354	276.263	266.036	259.160	255.450
23.0	364.130	356.156	337.196	311.629	284.769	274.029	264.026	256.926	253.194
23.5	364.182	355.918	336.876	310.017	282.758	273.136	261.993	254.692	250.960
24.0	364.436	355.883	336.131	309.163	281.418	271.327	259.961	252.660	248.503
24.5	364.580	355.803	335.609	307.862	279.386	269.317	257.951	250.448	246.493
25.0	364.277	355.746	334.641	306.920	278.716	267.262	255.919	248.192	244.237
25.5	363.751	355.241	334.119	305.777	277.130	265.252	253.908	245.959	241.780
26.0	363.894	355.118	333.374	303.963	275.567	263.220	251.653	243.948	239.748
26.5	363.614	354.548	332.651	302.575	273.534	261.209	249.620	241.715	237.269

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CANDELA TABULATION - (Cont.)

27.0	363.109	354.202	332.174	301.431	271.502	259.155	247.386	239.481	235.035
27.5	363.095	354.079	330.824	300.288	269.693	257.145	245.354	237.225	232.779
28.0	363.239	353.509	329.943	298.229	267.683	254.889	243.322	234.991	230.322
28.5	362.648	352.939	329.264	297.287	265.896	252.879	241.088	232.758	228.067
29.0	362.165	352.816	328.585	295.474	263.662	250.847	238.854	230.300	225.833
29.5	362.064	351.799	327.726	293.617	261.630	248.613	236.599	228.067	223.487
30.0	361.892	351.185	326.823	292.451	259.597	246.335	234.588	225.811	221.165
30.5	361.322	350.681	325.920	290.861	257.587	244.325	232.333	223.555	218.931
31.0	361.243	350.334	325.039	289.227	255.577	242.069	230.099	221.299	216.608
31.5	360.761	349.944	323.690	288.509	253.544	239.835	227.865	219.087	214.308
32.0	360.011	349.374	323.033	286.652	251.311	237.803	225.610	216.786	212.096
32.5	360.155	348.581	321.885	285.710	249.278	235.547	223.353	214.552	209.752
33.0	358.937	348.256	320.938	284.120	247.268	233.314	221.097	212.207	207.406
33.5	359.146	347.217	319.768	282.284	245.012	231.058	218.864	209.951	205.150
34.0	358.844	346.446	318.375	280.672	242.778	228.824	216.608	207.740	202.805
34.5	358.138	345.653	316.982	278.815	240.523	226.792	214.352	205.439	200.527
35.0	357.301	344.859	316.057	276.980	238.289	224.491	212.140	203.183	198.315
35.5	356.774	344.311	315.089	275.368	236.279	222.236	209.929	200.905	195.992
36.0	355.933	343.071	313.740	273.532	234.045	219.980	207.673	198.671	193.669
36.5	355.450	342.278	312.793	271.697	231.588	217.724	205.328	196.482	191.369
37.0	354.679	341.730	311.155	269.840	229.332	215.535	203.139	194.181	189.045
37.5	353.995	340.512	309.739	268.004	227.098	213.212	200.905	191.858	186.857
38.0	353.714	339.495	308.837	266.169	224.865	210.956	198.627	189.669	184.490
38.5	352.316	338.724	306.997	264.334	222.587	208.655	196.393	187.391	182.144
39.0	351.632	338.176	305.805	262.275	220.263	206.444	194.114	185.157	179.866
39.5	350.659	336.935	305.976	260.418	218.007	204.188	191.925	182.879	177.610
40.0	350.400	336.164	304.604	258.582	215.684	201.865	189.714	180.646	175.420
40.5	349.046	335.349	303.233	256.523	213.362	199.609	187.413	178.411	173.164
41.0	348.030	334.174	301.818	254.666	211.105	197.353	185.180	176.156	170.864
41.5	346.899	333.158	300.446	252.651	208.738	195.008	182.901	173.967	168.653
42.0	346.618	332.343	298.808	250.838	206.437	192.863	180.668	171.689	166.442
42.5	345.689	331.348	297.415	249.024	204.114	190.585	178.412	169.410	164.252
43.0	344.536	329.661	295.978	247.255	201.791	188.285	176.178	167.266	161.930
43.5	343.988	328.868	294.606	245.240	199.356	185.984	173.877	164.965	159.763
44.0	342.814	327.851	293.012	243.225	197.078	183.728	171.577	162.709	157.641
44.5	341.885	326.856	291.351	241.188	194.710	181.494	169.321	160.498	155.430
45.0	341.201	326.063	289.980	239.352	192.387	179.127	167.087	158.220	153.263
45.5	339.737	324.621	288.363	237.338	190.064	176.848	164.764	156.031	150.985
46.0	339.636	323.626	286.747	235.347	187.696	174.547	162.530	153.819	148.796
46.5	338.282	323.056	285.354	233.332	185.351	172.269	160.229	151.564	146.696
47.0	337.778	322.710	283.737	231.273	182.916	169.991	157.973	149.397	144.574
47.5	337.028	321.781	282.099	229.325	180.504	167.668	155.718	147.163	142.318
48.0	336.121	320.475	280.548	227.377	178.114	165.278	153.506	145.041	140.129
48.5	334.657	319.301	278.865	225.407	175.768	162.955	151.205	142.830	137.962
49.0	333.750	318.061	277.271	223.370	173.423	160.654	148.949	140.686	135.751
49.5	332.865	316.820	275.632	221.333	171.055	158.398	146.738	138.519	133.651
50.0	332.987	315.848	273.994	219.341	168.665	156.098	144.527	136.353	131.440
50.5	331.387	314.607	272.399	217.282	166.297	153.730	142.248	134.297	129.296
51.0	331.085	313.411	270.804	215.291	163.952	151.452	140.037	132.109	127.130
51.5	329.976	312.193	268.943	213.231	161.607	149.106	137.781	129.942	125.030
52.0	328.867	310.729	267.282	211.084	159.216	146.850	135.614	127.820	122.975
52.5	327.916	309.511	265.687	209.070	156.871	144.572	133.403	125.698	120.830
53.0	326.741	308.249	263.847	206.966	154.503	142.249	131.169	123.576	118.664
53.5	325.567	307.053	262.187	204.886	152.202	139.904	128.936	121.476	116.497
54.0	324.480	305.791	260.459	202.760	149.813	137.647	126.724	119.310	114.576
54.5	323.306	304.415	258.664	200.612	147.512	135.414	124.536	117.233	112.455

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CANDELA TABULATION - (Cont.)

55.0	322.175	303.153	256.958	198.531	145.166	133.091	122.324	115.088	110.310
55.5	321.022	301.690	255.274	196.361	142.843	130.746	120.136	112.966	108.255
56.0	319.892	300.472	253.524	194.258	140.476	128.489	117.968	110.933	106.088
56.5	318.805	299.008	251.706	192.065	138.130	126.189	115.713	108.744	104.100
57.0	317.652	297.812	249.912	189.895	135.762	123.933	113.612	106.734	102.134
57.5	316.276	296.370	248.183	187.725	133.439	121.588	111.469	104.568	99.968
58.0	315.058	294.885	246.410	185.487	131.027	119.309	109.257	102.535	97.890
58.5	313.971	293.443	244.594	183.317	128.659	117.053	107.135	100.457	95.791
59.0	312.819	292.046	242.710	181.080	126.246	114.775	105.013	98.358	93.803
59.5	311.465	290.538	240.958	178.843	123.812	112.474	102.913	96.325	91.770
60.0	310.001	289.075	239.074	176.673	121.421	110.152	100.813	94.270	89.715
60.5	308.669	287.633	237.324	174.503	119.054	107.873	98.670	92.237	87.660
61.0	307.516	286.169	235.507	172.377	116.708	105.572	96.525	90.182	85.627
61.5	306.119	284.706	233.690	170.185	114.318	103.339	94.381	88.127	83.572
62.0	304.497	283.153	231.783	167.947	111.972	101.038	92.326	86.072	81.606
62.5	303.122	281.621	229.988	165.755	109.560	98.782	90.181	83.995	79.529
63.0	301.746	280.157	228.194	163.563	107.237	96.459	88.037	81.962	77.541
63.5	300.370	278.537	226.377	161.370	104.869	94.158	85.937	79.951	75.486
64.0	299.016	276.962	224.470	159.178	102.501	91.969	83.815	77.874	73.565
64.5	297.416	275.409	222.676	156.985	100.156	89.691	81.648	75.841	71.711
65.0	295.884	273.856	220.703	154.704	97.788	87.457	79.481	73.831	69.633
65.5	294.331	272.214	218.885	152.444	95.398	85.178	77.404	71.798	67.668
66.0	292.821	270.527	217.046	150.252	93.075	82.900	75.237	69.810	65.747
66.5	291.400	268.908	215.095	148.038	90.752	80.622	73.160	67.755	63.825
67.0	289.800	267.287	213.278	145.823	88.428	78.388	71.127	65.789	61.971
67.5	288.246	265.667	211.326	143.541	86.105	76.199	69.050	63.801	60.028
68.0	286.714	263.981	209.421	141.283	83.670	74.032	66.950	61.836	58.040
68.5	285.092	262.294	207.537	139.046	81.325	71.754	64.851	59.870	56.074
69.0	283.673	260.630	205.564	136.854	79.024	69.587	62.773	57.904	54.265
69.5	282.073	259.010	203.724	134.684	76.723	67.353	60.807	55.983	52.389
70.0	280.563	257.322	201.751	132.514	74.400	65.187	58.775	54.062	50.512
70.5	279.008	255.614	199.845	130.321	72.100	62.976	56.764	52.096	48.569
71.0	277.498	253.926	197.917	128.064	69.776	60.831	54.754	50.242	46.692
71.5	275.965	252.239	195.900	125.894	67.587	58.687	52.789	48.388	44.838
72.0	274.301	250.442	194.016	123.791	65.308	56.542	50.823	46.534	43.140
72.5	272.723	248.799	192.087	121.644	62.874	54.420	48.879	44.747	41.242
73.0	271.081	247.068	190.203	119.563	60.684	52.343	46.981	42.871	39.455
73.5	269.481	245.292	188.298	117.416	58.429	50.333	45.060	41.039	37.623
74.0	267.903	243.583	186.326	115.269	56.217	48.300	43.161	39.296	35.881
74.5	266.194	241.786	184.419	113.145	54.072	46.289	41.307	37.532	34.250
75.0	264.573	240.077	182.426	111.086	51.906	44.279	39.475	35.790	32.486
75.5	262.907	238.302	180.520	108.940	49.783	42.313	37.643	34.003	30.810
76.0	261.220	236.593	178.704	106.837	47.661	40.392	35.789	32.328	29.179
76.5	259.530	234.795	176.754	104.845	45.539	38.494	33.958	30.585	27.571
77.0	257.821	233.109	174.849	102.721	43.483	36.595	32.260	28.955	26.074
77.5	256.111	231.335	172.945	100.752	41.384	34.719	30.495	27.302	24.511
78.0	254.446	229.626	171.106	98.739	39.418	32.842	28.775	25.716	22.992
78.5	252.646	227.852	169.289	96.837	37.430	31.010	27.078	24.151	21.473
79.0	250.959	226.033	167.429	94.825	35.508	29.246	25.402	22.588	19.931
79.5	249.249	224.326	165.613	92.879	33.565	27.503	23.771	21.024	18.524
80.0	247.496	222.596	163.776	90.956	31.644	25.805	22.185	19.550	17.095
80.5	245.743	220.844	161.938	89.143	29.790	24.108	20.622	18.076	15.710
81.0	244.100	219.159	160.234	87.331	28.002	22.455	19.103	16.646	14.280
81.5	242.413	217.340	158.463	85.519	26.260	20.868	17.606	15.239	12.895
82.0	240.703	215.655	156.759	83.708	24.540	19.305	16.109	13.854	11.600
82.5	239.171	214.126	155.078	81.963	22.820	17.808	14.724	12.580	10.370

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CANDELA TABULATION - (Cont.)

83.0	237.508	212.486	153.353	80.329	21.167	16.289	13.339	11.284	9.098
83.5	235.933	210.823	151.672	78.717	19.581	14.814	12.021	10.011	7.869
84.0	234.402	209.249	150.081	77.107	18.039	13.407	10.726	8.783	6.662
84.5	232.826	207.632	148.467	75.496	16.520	12.044	9.408	7.554	5.546
85.0	231.340	205.992	146.876	73.975	15.046	10.726	8.157	6.415	4.540
85.5	229.876	204.485	145.218	72.454	13.594	9.409	6.950	5.320	3.647
86.0	228.413	203.044	143.627	71.000	12.187	8.135	5.788	4.337	2.999
86.5	227.058	201.734	142.191	69.545	10.824	6.906	4.672	3.578	2.552
87.0	225.813	200.820	140.775	68.202	9.529	5.700	3.689	2.974	2.261
87.5	224.918	200.124	139.712	66.815	8.233	4.538	2.996	2.594	2.082
88.0	224.485	199.802	138.954	65.450	6.915	3.399	2.504	2.326	1.992
88.5	224.159	199.566	138.481	64.259	5.597	2.461	2.236	2.125	1.881
89.0	223.965	199.506	138.359	63.441	4.257	2.014	2.080	2.058	1.858
89.5	223.926	199.469	138.260	63.170	3.117	1.857	2.013	1.991	1.836
90.0	223.951	199.454	138.271	63.186	2.666	1.812	1.990	1.990	1.858
90.5	223.779	199.506	138.284	63.313	3.167	1.812	1.989	1.990	1.835
91.0	223.873	199.669	138.451	63.907	4.260	1.833	1.967	2.012	1.835
91.5	223.922	199.966	138.819	64.949	5.573	2.183	1.989	1.989	1.812
92.0	224.194	200.441	139.656	66.193	6.842	2.817	2.054	1.967	1.856
92.5	224.489	201.250	140.804	67.436	8.066	3.846	2.229	2.033	1.900
93.0	225.095	202.260	142.174	68.878	9.291	5.049	2.667	2.120	2.053
93.5	225.880	203.537	143.634	70.165	10.560	6.252	3.410	2.360	2.403
94.0	227.044	204.993	145.137	71.628	11.894	7.477	4.417	2.842	3.081
94.5	228.453	206.471	146.550	73.069	13.251	8.658	5.576	3.608	4.022
95.0	229.929	208.058	148.208	74.510	14.651	9.949	6.757	4.526	5.072
95.5	231.405	209.668	149.799	76.016	16.095	11.262	7.982	5.642	6.275
96.0	232.947	211.167	151.367	77.567	17.583	12.574	9.296	6.846	7.457
96.5	234.445	212.709	152.979	79.183	19.114	13.953	10.586	8.049	8.726
97.0	235.964	214.275	154.592	80.821	20.689	15.331	11.921	9.317	10.017
97.5	237.528	215.883	156.226	82.459	22.330	16.797	13.277	10.652	11.286
98.0	239.046	217.491	157.861	84.206	23.949	18.285	14.634	11.943	12.576
98.5	240.653	219.143	159.584	85.975	25.677	19.816	16.055	13.299	13.976
99.0	242.238	220.818	161.306	87.722	27.471	21.457	17.522	14.678	15.377
99.5	243.823	222.448	163.050	89.557	29.265	23.076	19.031	16.122	16.843
100.0	245.407	224.122	164.838	91.413	31.103	24.782	20.540	17.566	18.243
100.5	246.992	225.817	166.603	93.269	32.984	26.489	22.116	19.010	19.730
101.0	248.664	227.469	168.413	95.191	34.910	28.195	23.757	20.497	21.196
101.5	250.205	229.119	170.200	97.091	36.857	30.033	25.376	22.007	22.750
102.0	251.877	230.838	172.074	99.035	38.848	31.739	27.060	23.560	24.347
102.5	253.483	232.489	173.883	100.957	40.838	33.665	28.745	25.157	25.922
103.0	255.134	234.184	175.713	102.901	42.917	35.940	30.473	26.755	27.541
103.5	256.783	235.857	177.565	104.888	45.018	37.822	32.224	28.395	29.138
104.0	258.435	237.530	179.440	106.919	47.074	39.418	33.974	30.059	30.845
104.5	260.040	239.292	181.291	108.907	49.174	41.431	35.812	31.765	32.551
105.0	261.734	240.943	183.122	110.894	51.362	43.357	37.628	33.493	34.280
105.5	263.186	242.638	185.017	112.925	53.529	45.391	39.465	35.222	36.008
106.0	264.857	244.333	186.847	114.978	55.716	47.667	41.347	36.972	37.781
106.5	266.420	245.962	188.677	117.053	57.970	50.029	43.251	38.745	39.530
107.0	268.048	247.635	190.529	119.062	60.179	51.758	45.132	40.560	41.434
107.5	269.676	249.329	192.359	121.138	62.433	53.617	47.101	42.354	43.206
108.0	271.238	250.980	194.255	123.256	64.687	55.718	49.026	44.280	45.066
108.5	272.777	252.631	196.129	125.375	66.984	57.862	50.973	46.117	46.904
109.0	274.427	254.216	197.981	127.472	69.259	59.984	52.986	48.043	48.786
109.5	275.945	255.978	199.833	129.546	71.534	62.128	54.978	49.902	50.645
110.0	277.528	257.518	201.641	131.709	73.854	64.294	56.947	51.828	52.593
110.5	279.068	259.170	203.383	133.827	76.173	66.460	58.981	53.753	54.496

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CANDELA TABULATION - (Cont.)

111.0	280.630	260.712	205.213	135.946	78.514	68.648	61.016	55.700	56.443
111.5	282.149	262.319	207.065	138.109	80.854	70.836	63.029	57.669	58.303
112.0	283.601	263.926	208.873	140.249	83.195	73.046	65.107	59.638	60.184
112.5	285.163	265.512	210.725	142.434	85.602	75.299	67.207	61.586	62.110
113.0	286.571	267.098	212.555	144.574	87.921	77.553	69.264	63.533	64.079
113.5	288.111	268.661	214.362	146.802	90.262	79.829	71.386	65.545	66.091
114.0	289.584	270.158	216.170	148.943	92.669	82.060	73.552	67.536	68.060
114.5	291.036	271.699	217.978	151.105	94.988	84.357	76.133	69.593	70.029
115.0	292.401	273.264	219.786	153.289	97.351	86.633	78.890	71.628	72.043
115.5	293.788	274.805	221.572	155.452	99.736	88.952	80.859	73.619	73.990
116.0	295.284	276.237	223.402	157.614	102.121	91.227	82.216	75.653	76.112
116.5	296.627	277.779	225.121	159.777	104.462	93.503	84.097	77.688	78.103
117.0	298.122	279.321	226.974	161.961	106.847	95.865	86.592	79.767	80.182
117.5	299.444	280.730	228.715	164.101	109.275	98.119	89.392	81.757	82.150
118.0	300.765	282.249	230.479	166.286	111.594	100.482	91.623	83.858	84.207
118.5	302.019	283.659	232.331	168.425	114.001	102.802	93.156	85.849	86.242
119.0	303.363	285.025	234.051	170.610	116.386	105.077	94.862	87.993	88.343
119.5	304.706	286.610	235.815	172.750	118.771	107.330	96.963	90.050	90.311
120.0	305.983	288.043	237.557	174.869	121.200	109.628	99.107	92.150	92.499
120.5	307.282	289.431	239.298	176.944	123.562	111.969	101.273	94.229	94.512
121.0	308.581	290.797	241.063	179.106	125.860	114.244	103.417	96.351	96.569
121.5	309.902	292.230	242.761	181.202	128.266	116.498	105.561	98.867	98.626
122.0	310.982	293.618	244.503	183.365	130.651	118.773	107.793	101.733	100.726
122.5	312.325	294.743	246.179	185.461	132.992	121.027	109.937	104.183	102.848
123.0	313.647	296.176	247.899	187.557	135.355	123.346	112.125	105.803	104.948
123.5	314.968	297.519	249.642	189.632	137.740	125.600	114.313	107.750	107.114
124.0	316.070	298.711	251.384	191.707	140.059	127.897	116.523	110.288	110.025
124.5	317.392	300.077	253.059	193.825	142.444	130.217	118.711	112.432	113.810
125.0	318.539	301.488	254.802	195.921	144.763	132.426	120.942	113.876	116.238
125.5	319.619	302.657	256.522	198.019	147.148	134.723	123.130	115.408	117.376
126.0	320.918	304.045	258.133	200.027	149.467	136.999	125.340	117.442	117.770
126.5	321.998	305.259	259.851	202.080	151.786	139.231	127.506	119.543	119.608
127.0	323.145	306.648	261.682	204.133	154.149	141.550	129.694	121.665	121.708
127.5	324.270	307.817	263.249	206.120	156.490	143.803	131.904	123.766	123.830
128.0	325.350	309.009	264.771	208.194	158.787	146.122	134.136	125.888	125.996
128.5	326.474	310.397	266.579	210.247	161.172	148.442	136.258	128.032	128.119
129.0	327.599	311.589	268.146	212.256	163.535	150.695	138.555	130.220	130.284
129.5	327.585	312.758	269.713	214.287	165.876	152.970	140.809	132.342	132.450
130.0	328.733	313.928	271.521	216.318	168.195	155.246	143.040	134.465	134.617
130.5	329.420	315.097	273.066	218.371	170.515	157.565	145.272	136.587	136.805
131.0	330.500	316.026	274.632	220.358	172.877	159.841	147.438	138.731	138.949
131.5	330.772	317.043	276.199	222.367	175.262	162.094	149.648	140.919	141.115
132.0	332.486	317.994	277.766	224.354	177.603	164.347	151.923	143.085	143.346
132.5	333.633	318.922	279.333	226.341	179.988	166.645	154.133	145.251	145.511
133.0	334.124	319.721	280.900	228.285	182.351	168.898	156.430	147.373	147.679
133.5	335.204	320.453	282.467	230.293	184.649	171.196	158.640	149.824	149.845
134.0	336.766	321.864	284.012	232.325	186.968	173.493	160.915	151.968	152.077
134.5	337.235	322.814	285.360	234.312	189.309	175.725	163.169	154.156	154.220
135.0	338.337	324.225	286.927	236.343	191.650	178.066	165.378	156.366	156.518
135.5	339.703	324.935	288.494	238.111	193.991	180.363	167.654	158.598	158.640
136.0	340.149	325.908	289.994	240.142	196.310	182.661	169.864	160.719	160.872
136.5	341.689	326.881	291.387	242.107	198.607	184.870	172.095	162.929	162.993
137.0	341.720	328.028	292.712	244.116	200.949	187.189	174.349	165.096	165.314
137.5	342.997	329.219	294.302	245.929	203.224	189.509	176.515	167.261	167.502
138.0	343.465	329.951	295.145	247.871	205.520	191.739	178.723	169.426	169.554
138.5	344.809	331.362	296.297	249.661	207.730	193.993	180.977	171.724	171.897

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CANDELA TABULATION - (Cont.)

139.0	345.563	331.897	297.864	251.648	210.006	196.181	183.187	173.890	174.129
139.5	346.183	332.826	298.971	253.393	212.304	198.478	185.397	176.100	176.339
140.0	346.870	333.821	300.341	255.161	214.557	200.666	187.541	178.266	178.528
140.5	348.017	334.816	301.033	257.126	216.833	202.942	189.817	180.542	180.891
141.0	348.682	335.767	302.163	258.871	219.152	205.152	192.070	182.861	183.210
141.5	349.588	336.106	303.729	260.836	221.450	207.384	194.280	185.136	185.463
142.0	350.101	337.320	304.837	262.604	223.637	209.615	196.489	187.412	187.739
142.5	350.789	338.271	306.207	264.349	225.825	211.803	198.677	189.578	190.014
143.0	351.869	338.980	307.314	266.140	228.013	214.034	200.865	191.765	192.267
143.5	352.797	339.516	308.443	267.930	230.420	216.310	203.140	194.085	194.543
144.0	352.390	340.292	309.792	269.720	232.630	218.541	205.327	196.359	196.818
144.5	353.582	341.288	310.921	271.488	234.840	220.642	207.559	198.613	199.093
145.0	354.685	342.042	311.832	273.082	237.028	222.829	209.747	200.801	201.456
145.5	354.738	342.796	313.398	274.872	239.215	225.039	211.935	203.054	203.644
146.0	355.403	343.287	314.287	276.466	241.207	227.227	214.079	205.242	205.898
146.5	356.617	344.282	315.438	277.600	243.395	229.415	216.245	207.473	208.151
147.0	357.108	344.773	316.545	279.172	245.582	231.603	218.498	209.682	210.426
147.5	358.036	345.791	317.478	280.328	247.574	233.835	220.664	211.914	212.614
148.0	358.044	345.889	318.608	281.681	249.761	236.001	222.852	214.145	214.911
148.5	358.120	346.424	319.300	283.471	251.753	237.970	225.062	216.377	217.143
149.0	358.785	347.420	320.429	285.043	253.963	239.961	227.227	218.564	219.418
149.5	359.124	347.080	321.121	286.199	255.932	242.171	229.415	220.686	221.606
150.0	359.329	348.031	322.250	288.012	257.901	244.359	231.603	222.874	224.013
150.5	360.038	348.566	323.621	289.387	259.870	246.350	233.791	225.281	226.200
151.0	360.069	349.101	323.897	290.981	261.861	248.319	235.782	227.446	228.585
151.5	360.801	349.222	325.245	292.333	263.853	250.507	237.970	229.656	230.795
152.0	360.854	349.561	325.741	293.927	265.844	252.499	240.158	231.822	233.179
152.5	360.667	350.096	326.674	295.084	267.813	254.468	242.368	234.009	235.389
153.0	360.720	350.194	327.607	296.677	269.586	256.459	244.314	235.978	237.577
153.5	361.429	350.752	328.298	298.052	270.702	258.428	246.524	238.385	239.765
154.0	361.045	351.091	328.794	299.646	272.890	260.638	248.493	240.550	242.194
154.5	361.536	351.211	329.245	300.803	274.421	262.388	250.681	242.738	244.404
155.0	362.004	351.528	330.133	301.959	275.756	264.402	252.673	244.707	246.569
155.5	361.861	351.452	330.758	303.356	277.310	266.349	254.860	246.895	248.779
156.0	361.236	351.791	331.164	304.490	279.279	268.362	256.852	249.083	250.945
156.5	361.726	352.152	331.614	305.888	280.833	269.456	258.821	251.248	252.914
157.0	361.954	352.031	332.284	307.066	282.605	271.448	260.790	253.217	255.124
157.5	360.948	352.174	332.735	307.982	284.137	273.198	263.000	255.405	257.312
158.0	361.015	351.660	333.252	309.138	285.691	274.948	264.969	257.593	259.499
158.5	360.429	351.802	333.551	310.098	287.441	276.283	266.719	259.562	261.468
159.0	359.826	351.945	334.069	311.254	288.995	278.033	268.032	261.531	263.656
159.5	360.406	352.065	334.368	312.433	290.307	280.002	270.680	263.719	265.625
160.0	359.692	351.944	334.689	313.370	292.080	281.556	271.773	265.688	267.813
160.5	359.178	351.801	335.229	314.111	293.415	283.329	273.765	267.657	269.804
161.0	359.360	351.832	335.550	315.071	294.509	284.860	275.296	269.188	271.970
161.5	358.936	351.032	336.068	316.009	296.259	286.610	276.631	271.157	273.720
162.0	358.646	350.693	335.537	316.969	297.353	288.164	278.600	273.126	274.551
162.5	357.824	350.157	336.295	317.272	299.125	289.937	280.132	274.658	276.475
163.0	357.591	350.518	336.201	318.451	300.242	291.687	282.342	276.189	278.158
163.5	357.185	349.808	336.326	318.951	301.773	293.022	283.873	278.158	280.105
164.0	357.305	349.799	336.648	319.692	302.867	294.335	285.405	279.908	281.833
164.5	356.595	349.111	336.554	320.192	304.202	295.866	287.396	281.900	284.195
165.0	355.907	349.079	336.678	320.933	305.515	297.616	289.146	283.431	285.945
165.5	354.781	347.954	336.607	321.652	306.850	298.733	290.459	284.963	287.476
166.0	354.772	347.529	336.491	322.393	307.944	300.045	292.013	286.932	289.619
166.5	354.281	347.083	336.638	323.134	308.819	301.599	293.741	288.682	291.588

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167.0	353.745	346.636	336.347	323.022	309.935	302.693	295.513	290.236	293.339
167.5	352.793	345.796	336.276	323.567	310.832	304.006	296.607	292.227	294.870
168.0	351.275	345.153	336.204	324.112	311.926	305.341	298.380	293.977	296.643
168.5	351.047	344.639	336.133	324.678	313.020	306.653	300.152	295.750	298.370
169.0	349.725	343.884	335.623	324.348	314.136	307.966	301.224	297.062	299.880
169.5	349.060	343.067	335.552	325.089	314.770	308.841	302.974	299.031	301.170
170.0	348.394	342.227	335.261	325.219	315.427	310.176	304.309	300.344	302.920
170.5	347.751	341.848	334.556	325.567	316.105	311.270	305.425	301.898	304.474
171.0	346.407	341.053	334.725	325.719	316.543	312.364	306.542	303.429	305.809
171.5	345.348	340.258	333.779	325.870	317.659	313.042	307.877	305.005	307.559
172.0	344.772	339.266	333.752	326.219	318.557	314.136	309.189	305.881	308.827
172.5	343.736	338.297	333.046	326.151	319.191	315.230	310.502	307.631	310.555
173.0	342.285	337.502	332.385	326.107	319.651	316.324	311.815	308.943	311.408
173.5	341.512	336.511	332.184	326.500	320.066	316.762	312.908	310.037	312.962
174.0	340.695	335.738	331.304	326.455	320.285	317.856	313.784	311.372	314.471
174.5	339.418	334.332	330.688	326.410	320.963	318.950	314.855	312.685	315.127
175.0	338.140	333.363	330.072	325.950	321.620	319.606	315.730	313.757	316.417
175.5	336.885	332.438	329.478	326.388	322.035	320.021	316.846	314.873	317.293
176.0	336.550	331.536	328.906	326.366	322.495	320.919	317.918	315.989	319.065
176.5	334.729	330.241	328.357	326.169	322.691	321.356	319.253	317.105	319.744
177.0	333.782	329.429	327.415	326.169	322.736	322.012	319.472	318.177	320.838
177.5	332.375	328.201	327.151	325.732	323.151	322.231	320.566	319.052	321.472
178.0	331.058	327.455	326.692	325.732	323.370	322.888	321.200	320.387	323.244
178.5	329.656	326.098	326.035	325.513	323.370	323.544	321.856	321.240	324.316
179.0	328.714	325.638	325.160	325.513	323.589	323.763	322.972	322.115	324.753
179.5	327.816	324.785	324.723	325.075	323.589	324.200	323.410	322.794	326.526
180.0	324.414	324.414	324.414	324.414	324.414	324.414	324.414	324.414	324.414

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMH-2-00-L13-935U-L13-935D-DMA-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	120.45	N.A.	5.50
0-30	255.86	N.A.	11.70
0-40	419.70	N.A.	19.20
0-60	760.18	N.A.	34.70
0-80	1018.1	N.A.	46.50
0-90	1099.12	N.A.	50.20
10-90	1068.01	N.A.	48.80
20-40	299.26	N.A.	13.70
20-50	472.98	N.A.	21.60
40-70	485.44	N.A.	22.20
60-80	257.92	N.A.	11.80
70-80	112.96	N.A.	5.20
80-90	81.02	N.A.	3.70
90-110	193.25	N.A.	8.80
90-120	337.20	N.A.	15.40
90-130	502.77	N.A.	23.00
90-150	837.53	N.A.	38.20
90-180	1090.55	N.A.	49.80
110-180	897.30	N.A.	41.00
0-180	2189.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.11
10-20	89.33
20-30	135.41
30-40	163.84
40-50	173.73
50-60	166.75
60-70	144.96
70-80	112.96
80-90	81.02
90-100	80.90
100-110	112.35
110-120	143.94
120-130	165.57
130-140	172.40
140-150	162.37
150-160	133.97
160-170	88.28
170-180	30.77

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-2-00-L13-935U-L13-935D-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-2-00-L13-935U-L13-935D-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	18.8	19.7	19.7	20.6	21.9	12.9	13.8	13.8	14.7	16.0
	3H	21.8	22.6	22.8	23.6	24.9	14.2	15.1	15.2	16.0	17.3
	4H	23.4	24.1	24.3	25.1	26.4	14.7	15.4	15.6	16.4	17.7
	6H	25.0	25.7	26.0	26.7	28.0	14.9	15.6	15.9	16.6	17.9
	8H	25.8	26.5	26.8	27.5	28.9	14.9	15.6	15.9	16.6	18.0
	12H	26.8	27.4	27.8	28.4	29.8	15.0	15.6	16.0	16.6	18.0

UGR Viewed Endwise

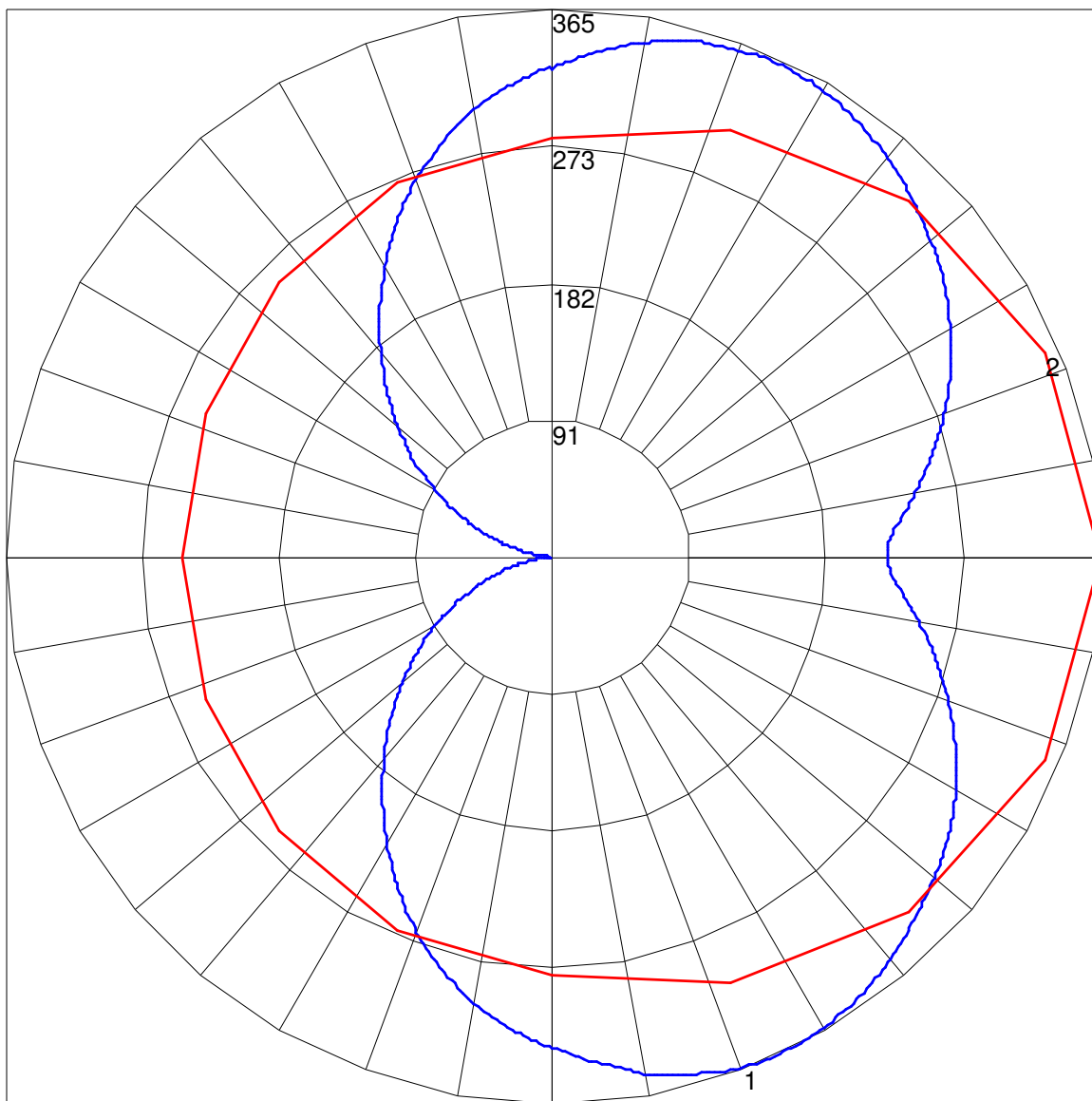
4H	2H	19.1	19.8	20.0	20.8	22.1	14.1	14.9	15.1	15.9	17.2
	3H	22.3	23.0	23.3	24.0	25.3	15.7	16.4	16.7	17.4	18.7
	4H	24.0	24.7	25.0	25.7	27.0	16.3	16.9	17.3	17.9	19.3
	6H	25.9	26.4	26.9	27.5	28.8	16.7	17.2	17.7	18.3	19.6
	8H	26.9	27.4	27.9	28.4	29.7	16.8	17.3	17.8	18.3	19.7
	12H	27.9	28.4	28.9	29.4	30.7	16.8	17.3	17.9	18.3	19.7

8H	4H	24.2	24.7	25.2	25.7	27.1	17.4	17.9	18.4	18.9	20.3
	6H	26.2	26.6	27.2	27.7	29.0	18.0	18.4	19.1	19.5	20.9
	8H	27.3	27.7	28.4	28.7	30.1	18.3	18.6	19.3	19.7	21.0
	12H	28.6	28.9	29.6	29.9	31.3	18.4	18.7	19.4	19.8	21.2

12H	4H	24.2	24.6	25.2	25.6	27.0	17.7	18.2	18.8	19.2	20.6
	6H	26.2	26.6	27.3	27.6	29.0	18.5	18.9	19.6	20.0	21.3
	8H	27.4	27.7	28.4	28.8	30.2	18.9	19.2	19.9	20.2	21.6

Maximum UGR = 31.3

POLAR GRAPH



Maximum Candela = 364.58 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.)