



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #4792155668.03
[TESTLAB] UL, LLC
[ISSUE DATE] 7/6/2026
[TEST DATE] 3/17/2026
[MANUFACTURER] H E Williams Inc
[LUMEN CATEGORY] CMR4AENG-L33/835-CA-DIM-UNV (AMBIENT ONLY)
[LUMINAIRE] 2' x 4' multi-function recessed troffer with door frame; door
[MORE] frame has arrangement of curved diffused acrylic lenses
[LAMP] (2) 72 LED boards & (2) 60 LED boards - 264 Total LED
[BALLAST] Edoled OTI85/1290277/2A3 DIM-1 L*2743W5/57420
[OTHER] 24.9 C, 120.046 V, 0.507001 A, 60.5322 W, 0.994561 PF, 59.9996 Hz
[OTHER] This test was performed using the calibrated photodetector method
[MORE] of absolute photometry.
[OTHER] The reported results were measured in a facility that meets the
[MORE] requirements of ANSI/IES LM-75-19. The device under test emits no
[MORE] detectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	24.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 ft
Luminous Width (90-270)	1.75 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1596	1846	2099
55	1478	1859	2190
65	1288	1815	2114
75	934	1473	1610
85	366	374	273

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1116.995	1116.995	1116.995	1116.995	1116.995
0.5	1116.576	1116.158	1117.413	1119.505	1111.556
1.0	1120.760	1114.484	1118.250	1116.995	1116.576
1.5	1117.413	1112.811	1117.413	1116.158	1112.811
2.0	1116.576	1111.556	1113.648	1120.760	1116.158
2.5	1116.995	1110.719	1113.648	1119.086	1110.301
3.0	1115.739	1112.811	1115.321	1116.576	1113.648
3.5	1116.995	1113.229	1111.138	1116.576	1115.321
4.0	1111.556	1109.464	1114.903	1115.321	1113.648
4.5	1112.393	1109.883	1110.301	1114.484	1109.046
5.0	1112.811	1110.719	1111.556	1111.138	1113.648
5.5	1113.229	1108.209	1110.719	1116.995	1113.229
6.0	1110.301	1108.628	1108.209	1113.229	1111.974
6.5	1106.117	1105.699	1110.301	1114.066	1111.556
7.0	1108.209	1105.281	1108.628	1114.066	1105.699
7.5	1104.862	1102.771	1105.281	1110.719	1107.372
8.0	1104.026	1100.261	1106.536	1110.301	1106.954
8.5	1097.750	1099.424	1104.026	1106.536	1106.117
9.0	1099.842	1098.587	1104.026	1106.954	1106.536
9.5	1099.842	1096.495	1099.842	1108.628	1104.444
10.0	1094.822	1095.240	1098.169	1103.607	1106.954
10.5	1088.965	1093.149	1098.587	1102.352	1101.516
11.0	1080.598	1087.710	1093.567	1101.516	1105.281
11.5	1086.455	1086.873	1091.057	1101.097	1099.842
12.0	1084.782	1083.945	1090.220	1100.679	1098.169
12.5	1083.527	1080.598	1090.220	1097.750	1095.240
13.0	1073.904	1078.088	1085.618	1097.750	1098.169
13.5	1072.649	1075.578	1085.618	1092.730	1101.516
14.0	1070.139	1075.160	1083.945	1090.220	1098.587
14.5	1069.303	1070.976	1078.506	1091.475	1091.894
15.0	1063.027	1065.537	1076.833	1088.547	1092.312
15.5	1063.446	1060.099	1073.486	1086.455	1084.363
16.0	1055.915	1057.170	1073.068	1085.618	1093.567
16.5	1055.497	1054.242	1069.303	1084.363	1086.873
17.0	1050.895	1050.895	1066.793	1079.761	1088.128
17.5	1045.875	1046.712	1063.027	1077.670	1084.363
18.0	1037.508	1042.110	1060.517	1077.670	1081.016
18.5	1038.345	1042.110	1058.426	1073.904	1074.323
19.0	1031.651	1032.488	1051.732	1073.068	1075.160
19.5	1028.723	1031.233	1050.895	1070.558	1072.649
20.0	1020.356	1027.886	1045.457	1068.884	1068.048
20.5	1021.611	1022.029	1044.620	1066.374	1068.048
21.0	1005.713	1017.427	1038.763	1066.374	1068.048
21.5	1006.132	1014.499	1036.253	1060.517	1064.282
22.0	1004.877	1009.060	1031.233	1057.589	1065.119
22.5	999.020	1004.040	1027.886	1055.497	1057.589
23.0	990.653	1000.275	1028.304	1054.660	1061.354
23.5	988.979	995.673	1021.192	1050.895	1059.681
24.0	983.123	989.816	1019.101	1046.293	1056.334
24.5	973.919	985.214	1014.499	1044.202	1050.477
25.0	969.735	979.776	1010.315	1038.763	1048.385
25.5	965.133	974.756	1005.713	1038.345	1045.457
26.0	958.858	969.317	1001.112	1035.835	1045.457
26.5	952.165	963.878	995.673	1030.814	1040.436

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****CANDELA TABULATION - (Cont.)**

27.0	948.399	959.277	995.673	1027.468	1037.508
27.5	941.288	952.583	987.724	1025.794	1040.018
28.0	932.921	946.308	979.776	1022.866	1030.396
28.5	929.574	941.288	979.357	1019.101	1028.723
29.0	922.880	936.686	972.245	1017.009	1030.396
29.5	917.442	930.410	969.317	1009.897	1022.866
30.0	910.748	923.298	965.133	1009.897	1024.539
30.5	903.218	919.533	961.787	1005.295	1022.447
31.0	899.034	912.003	956.766	1001.948	1014.917
31.5	890.667	906.564	949.655	998.601	1014.917
32.0	886.065	900.708	944.634	994.836	1012.825
32.5	876.862	894.432	939.614	992.745	1009.897
33.0	872.678	887.739	937.104	987.724	1004.458
33.5	864.729	881.045	929.155	981.031	999.857
34.0	857.199	874.352	925.809	982.286	997.765
34.5	850.506	868.076	919.952	975.174	994.836
35.0	842.975	861.383	915.350	973.082	993.581
35.5	836.700	853.434	909.911	967.225	986.888
36.0	829.170	847.995	904.891	963.460	986.051
36.5	821.639	841.302	899.453	959.695	979.357
37.0	814.527	835.027	893.177	953.838	975.592
37.5	806.160	827.496	887.739	951.746	976.847
38.0	796.957	821.221	883.137	945.053	969.317
38.5	792.355	813.691	876.862	942.961	966.389
39.0	783.570	807.416	870.586	936.686	962.205
39.5	775.203	798.630	865.148	933.757	958.440
40.0	768.091	792.773	859.291	928.737	954.256
40.5	760.142	784.825	852.597	922.462	950.910
41.0	753.030	778.549	847.159	917.860	942.961
41.5	744.663	771.437	841.302	913.258	937.522
42.0	735.878	763.907	834.608	906.146	932.921
42.5	728.347	755.958	827.915	901.126	927.482
43.0	719.980	749.265	822.476	896.524	925.809
43.5	712.450	740.898	814.946	890.667	921.207
44.0	704.501	733.786	809.089	884.392	914.931
44.5	696.553	726.256	803.232	880.208	911.585
45.0	688.604	718.725	796.538	873.933	905.728
45.5	680.237	710.358	790.263	869.750	898.197
46.0	671.033	703.246	783.151	863.474	894.014
46.5	662.666	694.879	776.876	856.362	888.157
47.0	656.391	686.931	770.182	850.506	881.882
47.5	646.351	678.564	763.070	844.649	876.862
48.0	639.239	671.033	755.540	837.955	869.331
48.5	630.872	663.503	748.428	830.425	862.219
49.0	622.505	655.554	742.571	825.823	855.944
49.5	612.046	647.187	735.041	817.456	851.342
50.0	604.934	640.076	728.347	811.181	843.812
50.5	595.730	631.290	720.399	804.905	836.700
51.0	586.945	622.923	712.868	796.538	828.751
51.5	577.741	614.975	705.338	788.171	821.639
52.0	569.793	606.189	697.389	783.151	814.109
52.5	561.426	597.822	689.859	775.621	806.579
53.0	551.385	589.455	682.329	765.581	798.630
53.5	543.018	581.507	674.799	759.305	792.355
54.0	534.233	573.140	666.850	750.520	782.733
54.5	524.611	564.773	658.065	742.571	774.784

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****CANDELA TABULATION - (Cont.)**

55.0	517.499	555.569	650.534	732.949	766.417
55.5	508.714	547.202	641.749	725.001	757.632
56.0	499.928	538.835	633.800	717.052	749.265
56.5	490.725	530.886	625.015	707.848	740.898
57.0	481.521	522.519	616.648	699.063	730.857
57.5	472.736	514.152	608.281	689.441	720.399
58.0	463.532	505.785	599.077	680.237	709.522
58.5	453.910	497.000	590.710	671.452	699.481
59.0	445.124	488.214	582.343	661.411	689.441
59.5	435.921	479.011	573.558	651.789	679.400
60.0	426.717	470.225	563.936	641.749	668.105
60.5	417.513	461.022	554.732	630.872	657.228
61.0	408.100	451.818	545.528	619.576	645.932
61.5	398.771	443.033	535.488	609.118	634.637
62.0	389.400	433.829	526.703	598.241	621.668
62.5	379.904	424.207	517.917	586.527	608.699
63.0	370.616	415.338	508.714	575.650	596.567
63.5	360.994	405.925	499.092	563.517	584.853
64.0	351.372	396.596	488.633	551.385	571.466
64.5	341.666	387.141	478.592	539.253	558.497
65.0	332.212	377.728	468.134	526.703	545.110
65.5	322.548	368.441	458.093	515.826	530.886
66.0	312.884	358.986	447.216	503.275	519.172
66.5	303.136	349.657	436.757	489.888	505.367
67.0	293.473	340.077	425.880	476.919	491.143
67.5	284.101	330.622	414.585	462.695	477.337
68.0	274.396	321.084	402.997	449.308	463.113
68.5	264.690	311.503	391.701	435.921	448.471
69.0	255.152	302.049	379.945	421.697	433.411
69.5	245.739	292.427	368.608	408.017	418.015
70.0	236.535	283.014	356.769	393.626	403.373
70.5	227.290	273.392	344.679	379.025	388.563
71.0	217.877	263.853	332.588	364.801	373.921
71.5	208.924	254.315	320.121	350.870	359.112
72.0	199.678	244.777	307.906	336.730	344.135
72.5	190.726	235.322	295.355	322.381	329.200
73.0	182.024	225.993	282.888	307.989	314.055
73.5	173.239	216.496	270.338	293.389	299.078
74.0	164.579	207.083	257.829	278.747	284.311
74.5	156.170	197.796	245.111	264.606	269.417
75.0	147.594	188.425	232.603	250.550	254.357
75.5	139.185	179.179	220.094	236.410	239.254
76.0	130.902	169.976	207.794	222.102	223.817
76.5	122.744	160.814	195.453	207.711	208.338
77.0	114.963	151.736	183.279	193.236	193.194
77.5	107.139	142.825	171.189	179.054	178.426
78.0	99.609	133.788	159.308	164.997	163.366
78.5	92.121	124.794	147.468	151.066	148.221
79.0	84.800	115.925	135.838	137.093	132.533
79.5	77.813	107.181	124.459	122.953	117.347
80.0	71.120	98.563	113.289	108.897	102.621
80.5	64.593	90.113	102.203	95.133	88.523
81.0	58.360	81.787	91.368	81.955	74.968
81.5	52.336	73.671	80.742	69.404	62.376
82.0	46.688	65.848	70.408	57.607	50.704
82.5	41.333	58.402	60.326	46.855	40.915

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****CANDELA TABULATION - (Cont.)**

83.0	36.313	51.164	50.662	37.610	32.715
83.5	31.627	44.387	41.542	29.996	26.398
84.0	27.276	38.028	33.217	24.013	21.503
84.5	23.177	32.004	25.896	19.411	17.571
85.0	19.453	26.440	19.913	15.646	14.517
85.5	16.065	21.252	15.186	12.718	12.048
86.0	13.011	16.608	11.588	10.375	10.040
86.5	10.375	12.467	8.911	8.534	8.409
87.0	8.032	9.036	6.903	7.028	6.945
87.5	6.024	6.317	5.480	5.690	5.731
88.0	4.435	4.393	4.267	4.560	4.602
88.5	3.138	3.054	3.305	3.556	3.640
89.0	2.175	2.134	2.468	2.677	2.761
89.5	1.464	1.506	1.799	1.924	1.883
90.0	0.000	0.000	0.000	0.000	0.000
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****CANDELA TABULATION - (Cont.)**

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	409.95	N.A.	12.20
0-30	875.75	N.A.	26.10
0-40	1449.46	N.A.	43.30
0-60	2639.93	N.A.	78.80
0-80	3316.63	N.A.	99.00
0-90	3350.43	N.A.	100.00
10-90	3244.68	N.A.	96.80
20-40	1039.52	N.A.	31.00
20-50	1653.82	N.A.	49.40
40-70	1636.71	N.A.	48.90
60-80	676.70	N.A.	20.20
70-80	230.46	N.A.	6.90
80-90	33.80	N.A.	1.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3350.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.75
10-20	304.19
20-30	465.81
30-40	573.71
40-50	614.30
50-60	576.16
60-70	446.24
70-80	230.46
80-90	33.80
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AENG-L33-835-CA-DIM-UNV (AMBIENT ONLY).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

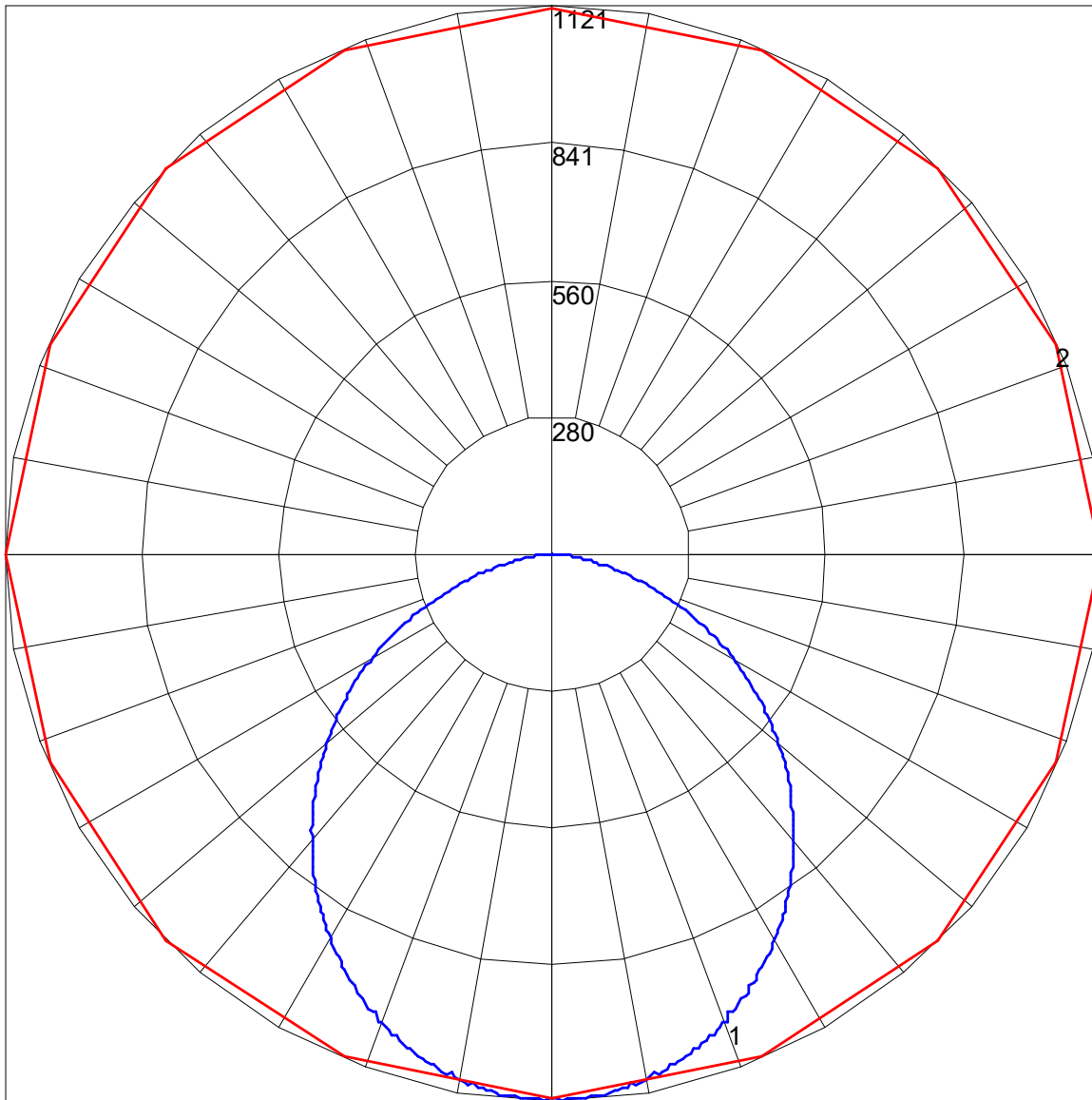
X=2H	Y=2H	13.4	15.0	13.7	15.3	15.6	15.6	17.2	15.9	17.5	17.8
	3H	14.9	16.4	15.3	16.7	17.1	17.4	18.9	17.8	19.3	19.6
	4H	15.4	16.8	15.8	17.2	17.5	18.0	19.4	18.4	19.8	20.1
	6H	15.7	17.0	16.1	17.3	17.7	18.3	19.6	18.7	20.0	20.3
	8H	15.7	17.0	16.1	17.3	17.7	18.3	19.5	18.7	19.9	20.3
	12H	15.7	16.9	16.1	17.3	17.7	18.3	19.5	18.7	19.9	20.3

UGR Viewed Endwise

4H	2H	14.4	15.8	14.8	16.1	16.5	16.1	17.5	16.5	17.8	18.2
	3H	16.1	17.3	16.5	17.7	18.1	18.2	19.3	18.6	19.7	20.1
	4H	16.7	17.8	17.1	18.2	18.6	18.8	19.9	19.3	20.3	20.8
	6H	17.1	18.0	17.5	18.4	18.9	19.2	20.2	19.7	20.6	21.0
	8H	17.1	18.0	17.6	18.5	18.9	19.2	20.1	19.7	20.6	21.0
	12H	17.2	17.9	17.6	18.4	18.9	19.2	20.0	19.7	20.5	21.0
8H	4H	17.2	18.0	17.6	18.5	18.9	19.0	19.9	19.5	20.4	20.8
	6H	17.6	18.3	18.1	18.8	19.3	19.5	20.2	20.0	20.7	21.2
	8H	17.7	18.4	18.2	18.9	19.3	19.5	20.2	20.0	20.7	21.1
	12H	17.8	18.3	18.3	18.8	19.4	19.5	20.1	20.0	20.6	21.1
12H	4H	17.2	18.0	17.7	18.4	18.9	19.0	19.8	19.5	20.3	20.8
	6H	17.7	18.3	18.2	18.8	19.3	19.5	20.1	20.0	20.6	21.1
	8H	17.8	18.4	18.3	18.8	19.4	19.5	20.1	20.1	20.6	21.2

Maximum UGR = 21.2

POLAR GRAPH



Maximum Candela = 1120.76 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)