

**LUMINAIRE:** CWW2-50MWG-1WW-EDU  
 CWW Contemporary Wallwash, Recessed Architectural  
 3" x 24" led with frosted acrylic prisms lens  
 Scaled from Test#16.00840  
**BALLAST:** XI040C110V054BPT1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 2023  
**WATTS:** 20.40  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = N/A 90° = N/A  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.25  
 WIDTH: 1.92  
 HEIGHT: 0.00

TEST #16216  
 DATE: 4/7/2016  
**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 99**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.38**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

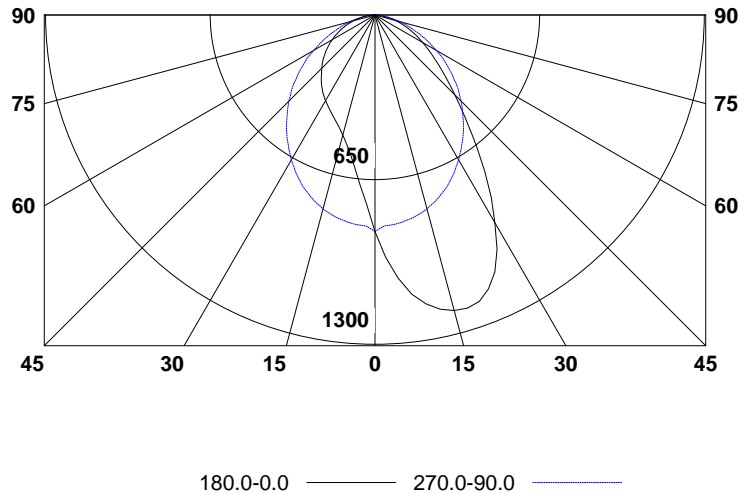
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	673	33.3	33.3
0-40	1072	53.0	53.0
0-60	1709	84.4	84.4
0-90	2023	100.0	100.0
0-180	2023	100.0	100.0

**CANDELA SUMMARY**

ANGLE	0.0	45.0	90.0	135.0	180.0
0.0	855	855	855	855	855
7.5	1111	1037	825	653	609
15.0	1207	1148	792	531	490
22.5	1170	1176	737	454	432
30.0	946	1101	661	398	390
37.5	663	884	574	348	346
45.0	446	616	480	301	297
52.5	311	403	383	245	247
60.0	218	260	281	193	195
67.5	145	165	183	141	140
75.0	85	93	102	87	89
82.5	33	39	39	40	42
90.0	0	0	0	0	0

**INDOOR CANDELA PLOT**



**AVERAGE LUMINANCE**

ANGLE	0.0	35.0	70.0	105.0	140.0	175.0
0	19173	19173	19173	19173	19173	19173
30	24496	27396	26308	13335	10280	10099
40	16891	20579	26932	12207	9748	9660
45	14144	16998	25878	11702	9546	9419
50	12176	14234	23723	11199	9245	9280
55	10869	12120	20995	10556	8914	9070
60	9777	10719	17716	9957	8701	8746
65	8914	9604	14910	9233	8331	8384
70	8130	8720	12326	8458	8065	8065
75	7365	7885	10311	7798	7538	7711
80	6457	7103	8136	6845	7103	7490
85	4374	5661	6690	6175	6947	7205

**CANDELA/SQ M**

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.

THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: \_\_\_\_\_

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**CANDELA VALUES**

ANGLE	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0
0.0	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855
2.5	956	955	954	952	949	944	936	930	922	915	909	899	893	883	871	860	855
5.0	1042	1042	1039	1036	1033	1021	1013	1003	992	980	966	953	936	920	899	883	870
7.5	1111	1111	1109	1106	1097	1088	1080	1068	1054	1037	1020	1001	979	955	928	901	880
10.0	1157	1160	1157	1152	1148	1139	1129	1115	1100	1087	1065	1042	1017	986	953	918	888
12.5	1189	1189	1188	1185	1180	1171	1162	1152	1137	1121	1100	1076	1049	1013	972	932	893
15.0	1207	1209	1209	1205	1200	1194	1186	1176	1164	1148	1127	1105	1073	1035	990	942	895
17.5	1213	1214	<b>1215*</b>	1213	1209	1205	1199	1190	1180	1166	1148	1124	1093	1054	1005	950	896
20.0	1203	1204	1207	1207	1205	1203	1200	1196	1188	1176	1160	1137	1108	1068	1016	955	893
22.5	1170	1173	1176	1178	1184	1187	1187	1187	1184	1176	1164	1145	1116	1076	1022	958	888
25.0	1119	1118	1123	1128	1139	1148	1156	1162	1166	1165	1159	1144	1119	1081	1025	956	878
27.5	1043	1042	1055	1064	1073	1088	1103	1122	1136	1140	1143	1135	1114	1078	1023	950	866
30.0	946	954	961	972	993	1013	1035	1058	1082	1101	1113	1113	1100	1070	1016	941	851
32.5	854	853	868	881	897	920	947	984	1017	1042	1067	1081	1076	1052	1003	926	832
35.0	756	764	771	784	800	825	861	896	935	975	1007	1035	1042	1026	983	907	811
37.5	663	662	677	689	704	729	757	802	845	884	932	974	993	992	955	883	784
40.0	577	583	588	599	613	641	668	703	745	795	850	896	930	942	920	850	752
42.5	508	512	516	525	537	554	584	615	655	704	753	814	858	884	871	813	717
45.0	446	450	455	462	470	485	510	536	571	616	663	726	779	816	816	767	679
47.5	392	395	398	404	416	427	443	464	493	531	580	635	697	742	754	717	638
50.0	349	353	355	359	365	373	391	408	432	464	501	557	611	660	680	656	588
52.5	311	314	316	319	322	330	343	356	375	403	434	482	533	582	607	592	536
55.0	278	279	281	283	286	294	301	310	326	347	378	413	463	503	537	525	481
57.5	245	247	248	253	257	260	265	272	283	301	324	355	398	438	465	463	430
60.0	218	219	220	222	225	228	233	239	246	260	277	305	336	371	395	397	372
62.5	192	191	194	195	197	201	203	209	213	221	237	260	286	316	335	339	320
65.0	168	167	170	171	173	175	177	181	186	191	202	219	239	265	281	284	271
67.5	145	146	148	149	149	151	154	156	160	165	170	183	199	217	230	234	225
70.0	124	125	126	126	127	129	132	133	136	139	142	152	164	177	188	191	184
72.5	103	104	104	105	107	109	110	111	113	114	118	124	133	143	151	154	150
75.0	85	86	87	87	89	90	90	91	92	93	97	99	106	113	119	122	118
77.5	66	67	68	68	69	69	72	73	73	74	76	77	79	84	90	89	88
80.0	50	50	50	51	51	52	54	55	55	56	55	58	59	61	63	64	63
82.5	33	33	33	34	35	36	37	38	38	39	39	39	40	41	42	43	43
85.0	17	18	18	18	18	21	22	22	23	24	25	24	25	24	26	25	25
87.5	7	7	7	7	8	7	8	8	8	9	10	10	11	11	11	11	11
90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE

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**CANDELA VALUES**

ANGLE	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0	150.0	155.0	160.0	165.0
0.0	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855
2.5	845	833	825	816	806	797	790	784	779	773	767	764	760	756	753	751	750
5.0	852	831	815	799	782	766	752	741	730	719	709	702	695	688	681	678	677
7.5	854	825	802	778	755	732	713	698	684	668	653	644	637	628	621	615	614
10.0	854	816	787	757	728	699	675	659	641	625	608	599	590	582	573	567	565
12.5	851	805	770	736	702	667	640	622	603	584	565	557	549	540	533	527	526
15.0	844	792	753	713	674	634	604	586	567	549	531	523	516	509	501	497	496
17.5	835	776	732	689	647	603	573	554	537	519	501	495	488	483	476	472	471
20.0	825	756	711	665	618	573	543	526	510	494	477	472	467	461	456	452	451
22.5	811	737	689	641	594	546	514	499	484	469	454	449	445	442	437	435	434
25.0	793	712	663	615	566	518	487	473	460	446	433	431	427	425	422	421	420
27.5	775	687	638	589	540	492	462	450	439	427	417	414	411	409	406	405	404
30.0	752	661	612	564	515	467	437	427	418	408	398	397	395	394	393	392	391
32.5	728	631	584	537	489	443	414	406	398	390	381	380	380	379	378	378	378
35.0	702	603	558	512	465	420	394	386	380	372	366	366	366	365	365	365	363
37.5	674	574	529	485	441	396	371	366	360	354	348	348	348	348	348	348	347
40.0	642	541	500	459	417	375	353	347	343	337	333	333	332	332	331	331	331
42.5	611	511	472	432	393	353	331	328	324	320	317	316	316	315	314	314	314
45.0	576	480	443	406	369	332	312	309	306	304	301	301	299	299	298	298	298
47.5	538	449	414	380	344	309	291	289	286	284	282	282	282	282	282	282	282
50.0	501	416	384	353	321	290	272	270	269	267	265	265	265	266	266	266	266
52.5	460	383	354	324	295	266	251	250	248	246	245	245	246	246	247	247	247
55.0	418	348	322	296	270	244	231	230	229	228	227	228	229	230	231	231	231
57.5	373	318	294	271	247	225	213	212	210	210	209	210	212	213	214	214	214
60.0	331	281	261	242	222	203	193	193	193	193	193	194	194	195	196	196	196
62.5	289	247	231	215	199	182	174	174	174	174	174	175	176	177	178	178	178
65.0	246	214	201	188	174	161	154	155	155	156	156	157	157	158	160	160	160
67.5	208	183	173	162	152	141	137	138	139	140	141	141	141	141	141	141	141
70.0	173	153	145	137	129	122	118	119	120	122	123	123	123	123	123	123	123
72.5	139	127	122	115	110	104	101	102	103	103	104	104	104	104	104	104	104
75.0	111	102	98	94	90	87	85	86	86	87	87	87	87	88	88	88	88
77.5	85	77	75	73	72	69	68	69	69	71	71	71	72	72	73	73	73
80.0	62	56	55	54	53	52	52	53	54	54	55	55	56	56	58	58	58
82.5	41	39	39	39	38	38	38	39	39	40	40	41	41	42	43	43	43
85.0	25	23	23	24	24	25	25	26	26	27	27	27	27	27	27	27	27
87.5	11	12	12	12	12	12	12	12	13	13	13	13	13	12	12	12	12
90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA VALUES**

ANGLE	170.0	175.0	180.0
0.0	855	855	855
2.5	749	749	748
5.0	676	675	674
7.5	612	611	609
10.0	562	560	558
12.5	524	523	521
15.0	494	493	490
17.5	470	468	467
20.0	450	449	448
22.5	433	433	432
25.0	419	418	417
27.5	404	403	403
30.0	391	390	390
32.5	377	377	377
35.0	363	362	362
37.5	347	346	346
40.0	330	330	330
42.5	312	312	312
45.0	297	297	297
47.5	282	282	282
50.0	266	266	266
52.5	247	247	247
55.0	232	232	232
57.5	215	215	215
60.0	195	195	195
62.5	177	177	177
65.0	158	158	158
67.5	140	140	140
70.0	123	123	123
72.5	105	105	105
75.0	89	89	89
77.5	74	74	74
80.0	58	58	58
82.5	42	42	42
85.0	28	28	28
87.5	13	13	13
90.0	0	0	0