

**LUMINAIRE:** CWW4-35XWG-2WW-EDU  
 CWW Contemporary Wallwash, Recessed Architectural  
 3" x 48" led with frosted acrylic prisms lens  
 Scaled from Test#16.01156  
**BALLAST:** XI040C110V054BPT1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 2702  
**WATTS:** 24.80  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.15 90° = 1.25  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.25  
 WIDTH: 3.92  
 HEIGHT: 0.00

TEST #16267

DATE: 6/3/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 109**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.22**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

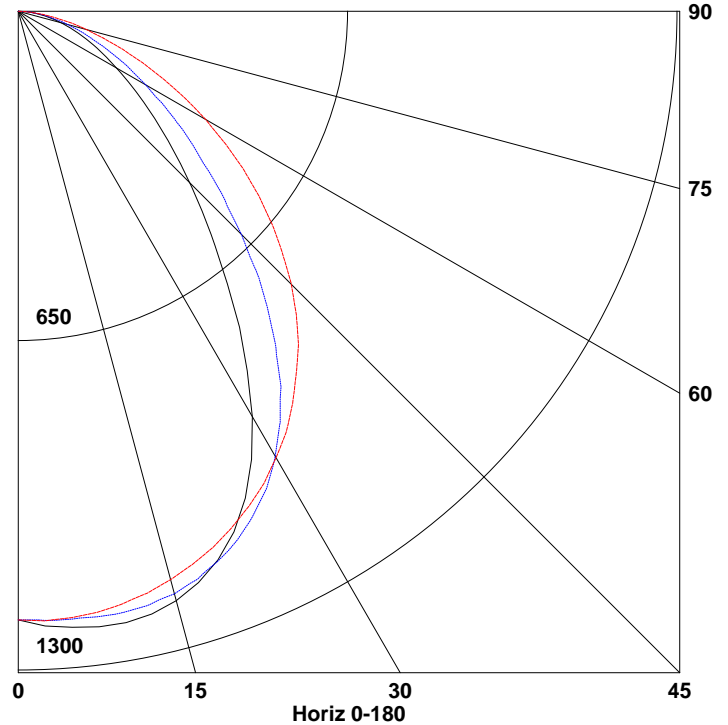
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	945	35.0	35.0
0-40	1487	55.0	55.0
0-60	2328	86.1	86.1
0-90	2702	100.0	100.0
0-180	2702	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	13191	13191	13191	13191	13191	13191
30	11719	11681	12315	13051	13165	12898
40	8660	8904	9779	11643	12460	12331
45	7440	7720	8512	10531	11821	11836
50	6391	6715	7433	9296	10833	11175
55	5592	5802	6492	8196	9824	10379
60	4921	5118	5690	7161	8633	9380
65	4444	4522	4964	6289	7537	8213
70	4014	4111	4432	5427	6423	7033
75	3692	3735	3989	4668	5517	5941
80	3352	3416	3542	3922	4428	4807
85	3151	3151	3277	3403	3529	3655

**INDOOR CANDELA PLOT**



0.0 ——— 45.0 ——— 90.0 ——— 1300

**COEFFICIENTS OF UTILIZATION (%)**

**EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%**

**ZONAL CAVITY METHOD**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%						
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	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74	74
3	93	84	76	70	91	82	75	70	79	73	69	76	72	67	74	70	66	64	64
R	4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
C	5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
R	6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
	7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
	8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35
	9	60	47	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
	10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.  
 ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.  
 THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

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

**LUMINAIRE:** CWW4-35XWG-2WW-EDU  
CWW Contemporary Wallwash, Recessed Architectural  
3" x 48" led with frosted acylic prisms lens  
Scaled from Test#16.01156

TEST #16267  
DATE: 6/3/2016

**CANDELA VALUES**

ANGLE	0.0	5.0	10.0	15.0	20.0	22.5	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	67.5	70.0
0.0	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201
2.5	1214	1217	1218	1214	1211	1202	1206	1205	1213	1208	1203	1207	1206	1204	1201	1196	1197
5.0	1220	1227	1227	1223	1218	1206	1213	1212	1219	1214	1204	1210	1208	1206	1201	1193	1196
7.5	1225	1232*	1232	1228	1222	1210	1217	1215	1222	1217	1205	1211	1209	1206	1200	1190	1194
10.0	1225	1231	1229	1224	1220	1209	1215	1213	1221	1216	1204	1209	1206	1202	1196	1184	1189
12.5	1218	1221	1219	1216	1211	1203	1206	1206	1214	1210	1199	1204	1201	1197	1190	1177	1182
15.0	1204	1203	1201	1199	1195	1189	1191	1191	1200	1199	1190	1193	1191	1187	1179	1167	1171
17.5	1182	1180	1177	1176	1173	1170	1170	1171	1180	1182	1175	1178	1177	1174	1167	1153	1158
20.0	1152	1147	1146	1145	1143	1143	1143	1144	1154	1159	1154	1157	1156	1155	1149	1138	1141
22.5	1112	1103	1101	1103	1102	1108	1103	1109	1122	1129	1129	1132	1134	1134	1129	1119	1123
25.0	1060	1045	1051	1052	1054	1063	1060	1065	1079	1092	1097	1101	1103	1107	1103	1094	1097
27.5	997	981	984	988	996	1008	1003	1015	1031	1049	1061	1064	1069	1074	1076	1068	1070
30.0	924	903	906	917	921	943	935	951	971	994	1014	1022	1029	1037	1041	1036	1038
32.5	841	824	830	836	849	870	862	882	904	932	962	969	982	995	1003	1000	1001
35.0	761	746	751	757	772	793	786	808	832	863	904	911	933	947	960	962	964
37.5	678	667	674	680	693	714	711	730	759	792	835	848	873	895	909	914	915
40.0	604	597	601	607	621	640	637	658	682	717	765	779	812	834	856	864	869
42.5	539	534	538	544	557	571	571	590	613	646	695	711	745	773	800	814	819
45.0	479	477	480	486	497	507	511	528	548	579	623	644	678	710	739	754	761
47.5	423	421	424	432	440	450	453	468	489	513	554	577	611	646	673	692	699
50.0	374	374	377	382	393	401	404	419	435	459	491	515	544	580	612	630	634
52.5	331	328	333	338	347	354	358	371	386	407	435	458	484	517	549	567	573
55.0	292	289	291	295	303	310	312	325	339	357	382	402	428	456	486	504	513
57.5	256	254	256	260	266	274	274	285	298	313	335	352	375	402	427	445	454
60.0	224	222	225	227	233	238	240	249	259	274	291	308	326	350	374	388	393
62.5	196	193	194	198	201	206	206	213	223	234	251	265	284	302	322	335	340
65.0	171	168	170	172	174	178	179	184	191	200	214	225	242	258	276	286	290
67.5	147	146	147	148	152	154	155	159	164	172	181	191	202	217	230	241	243
70.0	125	124	126	126	128	130	131	134	138	144	152	160	169	180	190	198	200
72.5	106	105	105	106	107	109	109	111	115	118	125	129	137	146	155	161	164
75.0	87	86	86	87	88	90	90	92	94	97	101	104	110	116	123	127	130
77.5	70	69	69	69	70	71	71	72	73	76	79	81	84	88	94	97	100
80.0	53	52	53	53	54	55	54	55	56	57	59	60	62	65	67	70	70
82.5	39	38	38	38	38	39	39	39	40	41	42	43	44	45	46	47	47
85.0	25	24	24	25	25	26	25	25	26	26	26	26	27	26	28	28	28
87.5	13	12	12	12	13	13	13	13	13	13	14	13	13	13	13	13	14
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	75.0	80.0	85.0	90.0
0.0	1201	1201	1201	1201
2.5	1193	1191	1197	1204
5.0	1192	1189	1194	1201
7.5	1188	1184	1189	1196
10.0	1183	1177	1180	1187
12.5	1174	1168	1170	1176
15.0	1162	1154	1156	1161
17.5	1149	1140	1140	1144
20.0	1133	1123	1122	1125
22.5	1113	1102	1099	1102
25.0	1089	1078	1074	1077
27.5	1064	1051	1046	1050
30.0	1030	1021	1017	1017
32.5	998	986	982	984
35.0	960	948	943	944
37.5	915	906	901	901
40.0	871	864	858	860
42.5	822	814	810	812
45.0	768	763	760	762
47.5	710	709	707	707
50.0	652	652	651	654
52.5	591	595	595	599
55.0	530	536	537	542
57.5	470	477	477	482
60.0	412	419	422	427
62.5	356	365	368	370
65.0	303	312	315	316
67.5	256	262	265	266
70.0	211	217	219	219
72.5	170	175	177	176
75.0	134	138	140	140
77.5	103	104	106	107
80.0	72	74	76	76
82.5	48	50	51	51
85.0	28	29	29	29
87.5	13	13	13	14
90.0	0	0	0	0

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**I.E.S.N.A. VISUAL COMFORT PROBABILITY**

ILLUMINATION = 100 FC  
REFLECTANCES = 80/50/20  
WORK PLANE HEIGHT = 2.5 FEET

HEIGHT	LUMINAIRES							
	LENGTHWISE				CROSSWISE			
ROOM SIZE	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
W L								
20 20	33	37	45	55	31	35	42	53
20 30	30	31	35	42	28	29	32	39
20 40	29	30	31	35	27	27	28	32
20 60	28	29	29	32	26	27	27	29
30 20	35	38	43	52	34	36	42	51
30 30	31	32	34	39	29	30	32	38
30 40	30	30	30	33	28	28	28	30
30 60	29	29	28	30	27	27	26	27
30 80	29	29	27	29	28	27	25	27
40 20	37	40	44	51	36	39	43	51
40 30	33	34	34	39	32	32	33	38
40 40	31	31	30	32	30	30	29	31
40 60	30	30	28	29	29	28	26	27
40 80	30	30	27	28	29	28	26	26
40 100	31	30	28	28	29	29	26	26
60 30	35	36	35	39	34	35	34	39
60 40	33	33	31	33	32	31	30	31
60 60	31	31	29	29	30	30	27	28
60 80	31	31	28	28	30	29	26	27
60 100	31	31	28	28	30	29	26	26
100 40	37	37	35	36	37	36	33	35
100 60	35	34	31	32	35	33	30	31
100 80	35	34	30	30	34	33	29	29
100 100	34	33	30	30	33	32	28	28

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES