

**LUMINAIRE:** CWW2-40LWG-2WW-EDU  
 CWW Contemporary Wallwash, Recessed Architectural  
 3" x 24" led with frosted acrylic prisms lens  
 Scaled from Test#16.01148  
**BALLAST:** XI040C110V054BPT1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 2763  
**WATTS:** 26.90  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.15 90° = 1.25  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.25  
 WIDTH: 1.92  
 HEIGHT: 0.00

TEST #16265

DATE: 6/3/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 103**

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

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.35**

**BASED ON 3000 HRS. AND \$.08 PER KWH**

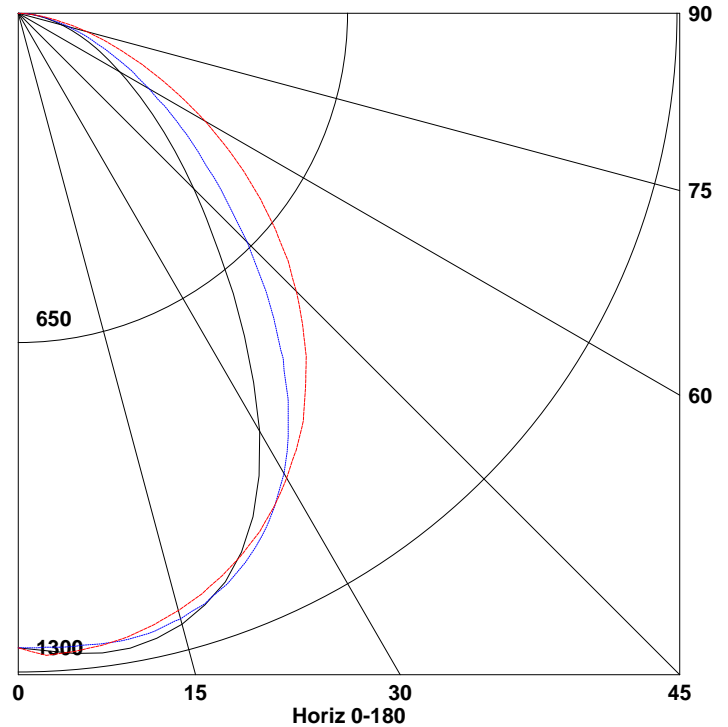
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	977	35.4	35.4
0-40	1535	55.6	55.6
0-60	2388	86.4	86.4
0-90	2763	100.0	100.0
0-180	2763	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	28076	28076	28076	28076	28076	28076
30	24677	24858	26127	27499	27603	27422
40	18062	18530	20579	24414	25849	25878
45	15540	15793	17728	22073	24546	24610
50	13466	13711	15315	19397	22467	23095
55	11729	11964	13410	16851	20174	21229
60	10360	10540	11796	14711	17761	19106
65	9392	9445	10241	12841	15441	16715
70	8524	8458	9179	11081	13113	14293
75	7798	7625	8145	9444	11004	12217
80	7103	6715	7103	7878	8911	9815
85	6433	5918	6175	6433	6690	7462

**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	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64
R	4	86	75	67	84	74	66	61	71	65	60	69	64	59	67	62	58	56
C	5	80	68	60	54	67	59	53	65	58	53	63	57	52	61	56	52	50
R	6	74	62	53	47	61	53	47	59	52	47	57	51	46	56	50	46	44
	7	69	56	48	42	56	48	42	54	47	42	53	46	42	51	46	41	40
	8	64	52	44	38	51	43	38	50	43	38	49	42	38	47	42	37	36
	9	60	48	40	35	47	40	35	46	39	34	45	39	34	44	38	34	32
	10	57	44	37	32	44	36	32	43	36	32	42	36	31	41	35	31	30

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:** CWW2-40LWG-2WW-EDU  
CWW Contemporary Wallwash, Recessed Architectural  
3" x 24" led with frosted acylic prisms lens  
Scaled from Test#16.01148

TEST #16265  
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	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252
2.5	1259	1256	1257	1256	1255	1257	1255	1254	1253	1251	1252	1251	1250	1249	1244	1243	1240
5.0	1268	1262	1261	1260	1259	1262	1258	1256	1254	1253	1254	1250	1249	1246	1242	1241	1237
7.5	1273*	1265	1264	1263	1261	1266	1260	1258	1256	1254	1255	1250	1248	1244	1238	1238	1233
10.0	1272	1263	1262	1260	1259	1265	1258	1257	1254	1251	1254	1246	1243	1239	1233	1233	1225
12.5	1263	1254	1252	1251	1250	1258	1249	1248	1245	1243	1248	1239	1236	1232	1223	1224	1216
15.0	1248	1238	1236	1235	1235	1243	1235	1234	1233	1232	1237	1229	1225	1221	1213	1213	1204
17.5	1224	1213	1213	1212	1213	1222	1213	1213	1213	1214	1222	1213	1212	1207	1198	1199	1190
20.0	1194	1182	1180	1182	1182	1194	1184	1188	1189	1190	1200	1192	1191	1188	1182	1182	1172
22.5	1151	1139	1139	1139	1145	1157	1148	1152	1156	1159	1172	1167	1168	1166	1158	1161	1152
25.0	1096	1084	1086	1089	1094	1109	1101	1109	1116	1122	1138	1133	1136	1137	1133	1137	1126
27.5	1029	1016	1021	1025	1034	1049	1042	1055	1067	1076	1096	1095	1101	1105	1103	1108	1095
30.0	953	940	942	952	960	982	974	993	1009	1024	1049	1051	1062	1066	1069	1073	1066
32.5	864	849	856	865	879	905	898	916	937	960	991	998	1011	1026	1027	1033	1025
35.0	778	761	767	779	794	823	816	837	863	888	928	942	959	972	980	989	983
37.5	697	678	686	696	712	738	730	758	786	816	859	873	898	921	934	942	934
40.0	617	598	605	615	633	661	651	675	703	739	784	802	834	856	872	886	883
42.5	550	532	537	547	562	591	579	601	629	663	709	734	761	794	817	830	828
45.0	490	473	478	486	498	526	514	534	559	588	639	658	696	725	750	769	774
47.5	434	419	426	431	442	466	457	472	496	522	566	592	624	661	683	704	707
50.0	386	374	378	385	393	415	407	420	439	462	504	520	556	590	623	644	644
52.5	341	331	335	341	348	367	359	372	389	409	446	459	491	524	554	577	580
55.0	300	291	294	300	306	321	316	328	343	359	391	404	431	463	490	511	516
57.5	263	255	259	263	268	282	276	287	300	314	344	354	376	403	429	449	456
60.0	231	225	227	230	235	245	241	251	263	275	298	308	328	352	375	392	396
62.5	202	198	198	202	204	213	209	218	225	236	259	266	284	302	321	336	341
65.0	177	171	172	174	178	184	182	188	193	203	220	227	242	258	274	287	291
67.5	152	148	148	151	152	159	156	160	166	172	186	191	203	215	230	240	243
70.0	130	126	126	128	129	135	131	136	140	145	156	160	169	180	190	198	200
72.5	108	105	106	106	107	112	109	111	115	119	128	130	137	145	153	161	162
75.0	90	86	87	87	88	91	89	91	94	96	103	103	109	116	122	128	127
77.5	71	68	68	69	69	73	70	71	74	75	80	80	84	88	94	97	97
80.0	55	52	52	52	52	56	53	54	55	56	60	59	61	64	67	69	69
82.5	39	36	37	37	37	40	38	37	38	39	42	41	41	43	44	47	46
85.0	25	23	23	23	23	26	23	23	24	24	27	25	25	26	26	28	26
87.5	13	9	9	11	11	13	11	11	11	11	14	12	12	12	13	14	13
90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE

**LUMINAIRE:** CWW2-40LWG-2WW-EDU  
CWW Contemporary Wallwash, Recessed Architectural  
3" x 24" led with frosted acylic prised lens  
Scaled from Test#16.01148

TEST #16265  
DATE: 6/3/2016

**CANDELA VALUES**

ANGLE	75.0	80.0	85.0	90.0
0.0	1252	1252	1252	1252
2.5	1238	1241	1253	1268
5.0	1235	1238	1249	1264
7.5	1230	1232	1243	1258
10.0	1222	1224	1234	1249
12.5	1212	1213	1221	1236
15.0	1200	1199	1208	1220
17.5	1184	1182	1190	1202
20.0	1166	1163	1169	1180
22.5	1145	1141	1146	1155
25.0	1118	1114	1117	1128
27.5	1090	1084	1088	1095
30.0	1059	1053	1052	1059
32.5	1019	1014	1013	1021
35.0	983	978	974	981
37.5	932	929	928	931
40.0	891	886	883	884
42.5	834	831	829	830
45.0	780	779	774	776
47.5	719	723	722	722
50.0	657	661	661	662
52.5	596	600	601	603
55.0	534	539	541	543
57.5	472	480	480	482
60.0	413	421	425	426
62.5	355	368	368	368
65.0	303	312	314	315
67.5	253	262	264	265
70.0	208	215	218	218
72.5	168	173	176	178
75.0	133	136	139	141
77.5	100	103	104	106
80.0	71	74	75	76
82.5	47	48	49	50
85.0	28	28	28	29
87.5	13	13	13	14
90.0	0	0	0	0

**LUMINAIRE:** CWW2-40LWG-2WW-EDU  
CWW Contemporary Wallwash, Recessed Architectural  
3" x 24" led with frosted acrylic prisms lens  
Scaled from Test#16.01148

TEST #16265  
DATE: 6/3/2016

**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	18	20	25	33	16	18	23	31
20 30	15	16	18	23	14	15	16	21
20 40	15	15	16	18	14	14	14	16
20 60	15	15	15	16	13	14	13	15
30 20	19	21	24	31	18	20	23	30
30 30	17	17	18	22	15	16	16	20
30 40	16	16	16	17	15	15	14	16
30 60	16	15	15	16	14	14	13	14
30 80	16	16	14	15	15	15	13	14
40 20	21	23	25	31	20	22	25	30
40 30	18	18	19	22	17	18	18	21
40 40	17	17	16	17	16	16	15	16
40 60	17	16	15	16	16	15	14	14
40 80	17	17	15	15	16	16	13	14
40 100	18	17	15	15	17	16	14	14
60 30	20	20	20	22	19	19	19	22
60 40	19	18	17	18	18	17	16	17
60 60	18	17	15	16	17	16	14	15
60 80	18	17	15	15	17	16	14	14
60 100	18	18	15	15	18	17	14	14
100 40	23	22	20	21	22	21	19	20
100 60	21	20	18	18	21	19	17	17
100 80	21	20	17	17	20	19	16	16
100 100	21	20	17	17	20	19	16	16

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES