

**LUMINAIRE:** CWW2-50LWG-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:** 2853  
**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 #16266

DATE: 6/3/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 106**

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

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.26**

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

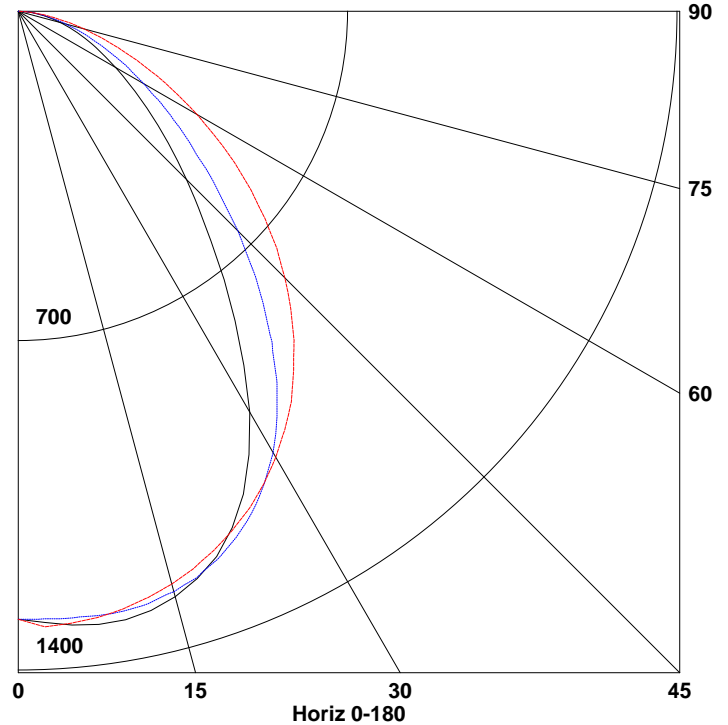
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1009	35.4	35.4
0-40	1585	55.6	55.6
0-60	2465	86.4	86.4
0-90	2853	100.0	100.0
0-180	2853	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	28973	28973	28973	28973	28973	28973
30	25480	25661	26982	28380	28483	28328
40	18647	19116	21253	25205	26668	26697
45	16047	16301	18299	22770	25339	25403
50	13885	14164	15839	20025	23200	23863
55	12081	12355	13840	17398	20838	21933
60	10719	10899	12154	15204	18344	19689
65	9657	9710	10612	13265	15972	17298
70	8851	8720	9442	11474	13507	14752
75	8058	7885	8404	9791	11350	12563
80	7232	6845	7232	8136	9298	10073
85	6690	6175	6433	6690	6947	7719

**INDOOR CANDELA PLOT**



0.0 ——— 45.0 ——— 90.0 ———

**COEFFICIENTS OF UTILIZATION (%)**

**ZONAL CAVITY METHOD**

**EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%**

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

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**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	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292
2.5	1300	1297	1298	1297	1295	1298	1295	1294	1293	1291	1292	1291	1290	1289	1285	1284	1280
5.0	1309	1303	1302	1301	1300	1303	1299	1297	1294	1293	1294	1290	1289	1287	1282	1281	1277
7.5	1314*	1306	1305	1304	1302	1307	1301	1299	1297	1294	1295	1290	1288	1285	1278	1278	1273
10.0	1313	1304	1303	1301	1300	1306	1299	1298	1294	1291	1294	1287	1284	1279	1273	1273	1265
12.5	1304	1294	1292	1291	1290	1299	1289	1288	1286	1284	1288	1279	1276	1272	1263	1264	1255
15.0	1288	1278	1276	1275	1275	1284	1275	1274	1273	1272	1277	1268	1265	1261	1252	1252	1243
17.5	1264	1252	1252	1251	1252	1262	1252	1252	1252	1253	1262	1252	1251	1246	1237	1238	1228
20.0	1233	1221	1218	1221	1221	1233	1223	1226	1227	1228	1239	1230	1229	1226	1221	1221	1210
22.5	1188	1176	1176	1176	1182	1195	1185	1189	1194	1197	1210	1204	1205	1203	1196	1199	1189
25.0	1132	1119	1121	1124	1129	1145	1137	1145	1152	1159	1175	1170	1173	1174	1170	1174	1162
27.5	1062	1049	1054	1058	1068	1083	1075	1089	1101	1111	1132	1131	1137	1140	1138	1144	1131
30.0	984	970	972	983	991	1013	1006	1025	1042	1057	1083	1085	1096	1100	1103	1108	1100
32.5	892	877	883	893	907	934	927	946	968	991	1023	1031	1044	1059	1060	1067	1058
35.0	803	786	792	804	819	850	842	864	891	917	958	972	990	1004	1011	1021	1014
37.5	719	700	709	718	735	762	754	782	812	842	886	902	927	950	965	972	965
40.0	637	617	625	635	653	682	672	697	726	763	809	828	861	883	901	915	911
42.5	567	549	554	564	580	610	598	621	649	685	732	757	786	819	843	857	855
45.0	506	488	494	501	514	543	531	551	577	607	660	679	718	749	775	794	799
47.5	448	433	439	445	457	481	472	487	512	539	585	611	644	682	705	727	730
50.0	398	386	391	397	406	429	420	434	454	477	521	537	574	609	643	665	665
52.5	352	342	346	352	359	379	371	384	401	422	460	474	507	541	572	596	599
55.0	309	301	304	309	316	331	327	339	354	371	404	417	445	478	506	527	533
57.5	271	264	267	271	277	291	285	296	309	324	355	366	388	416	443	463	471
60.0	239	232	234	238	243	253	248	259	271	284	308	318	339	363	387	405	409
62.5	208	204	204	208	210	220	216	225	232	244	267	275	293	311	331	347	352
65.0	182	177	178	180	183	190	188	194	200	209	227	234	250	266	283	296	301
67.5	157	153	153	156	157	164	161	165	171	178	192	197	209	222	238	247	251
70.0	135	130	130	132	133	139	136	140	144	150	161	165	175	186	196	204	206
72.5	112	109	110	110	111	116	113	115	118	123	132	135	141	150	158	166	167
75.0	93	89	90	90	91	94	92	94	97	99	106	106	113	119	126	132	131
77.5	74	71	71	72	72	75	73	74	76	77	82	82	87	91	97	100	100
80.0	56	53	53	53	53	58	54	55	56	58	62	61	63	66	69	72	72
82.5	40	37	38	38	38	41	39	38	39	40	43	42	44	46	49	48	48
85.0	26	24	24	24	24	27	24	24	25	25	28	26	26	27	29	27	27
87.5	13	10	10	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



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**CANDELA VALUES**

ANGLE	75.0	80.0	85.0	90.0
0.0	1292	1292	1292	1292
2.5	1278	1281	1293	1309
5.0	1275	1278	1289	1305
7.5	1269	1272	1284	1299
10.0	1262	1264	1274	1289
12.5	1251	1252	1261	1276
15.0	1239	1238	1247	1260
17.5	1223	1221	1228	1241
20.0	1203	1201	1207	1218
22.5	1182	1178	1183	1192
25.0	1154	1150	1153	1164
27.5	1125	1119	1123	1131
30.0	1094	1087	1086	1094
32.5	1052	1047	1046	1054
35.0	1014	1010	1006	1012
37.5	962	959	958	961
40.0	920	915	911	912
42.5	861	858	856	857
45.0	805	804	799	801
47.5	742	746	745	745
50.0	678	682	682	684
52.5	615	620	621	623
55.0	551	557	559	561
57.5	487	496	496	498
60.0	426	435	438	439
62.5	367	380	380	380
65.0	312	322	324	326
67.5	261	270	272	273
70.0	215	222	225	225
72.5	174	179	181	183
75.0	138	140	143	145
77.5	103	106	107	110
80.0	74	76	77	78
82.5	49	50	51	52
85.0	29	29	29	30
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	17	19	24	32	16	18	22	31
20 30	15	16	18	22	14	14	16	20
20 40	15	15	16	18	13	13	14	16
20 60	14	15	15	16	13	13	13	14
30 20	18	20	24	30	18	19	22	29
30 30	16	16	17	21	15	15	16	20
30 40	15	15	15	17	14	14	14	15
30 60	15	15	14	15	14	14	13	14
30 80	15	15	14	15	14	14	13	13
40 20	21	22	25	30	20	22	24	30
40 30	18	18	18	21	17	17	17	20
40 40	17	17	16	17	16	16	15	16
40 60	16	16	14	15	15	15	13	14
40 80	17	16	14	15	16	15	13	13
40 100	17	17	15	15	16	16	13	14
60 30	19	20	19	22	19	19	18	21
60 40	18	18	16	17	17	17	15	17
60 60	17	17	15	15	17	16	14	14
60 80	17	17	15	15	17	16	14	14
60 100	18	17	15	15	17	16	14	14
100 40	22	21	19	20	21	20	18	19
100 60	21	20	17	17	20	19	16	17
100 80	20	19	17	17	20	19	16	16
100 100	21	19	17	16	20	19	16	15

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES