

LUMINAIRE: CWW4-30VWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 3250
WATTS: 30.90
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.15 90° = 1.25
LUMINOUS OPENING IN FEET
 LENGTH: 0.25
 WIDTH: 3.92
 HEIGHT: 0.00

TEST #16.01157
 DATE: 6/7/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 105

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.29
BASED ON 3000 HRS. AND \$.08 PER KWH

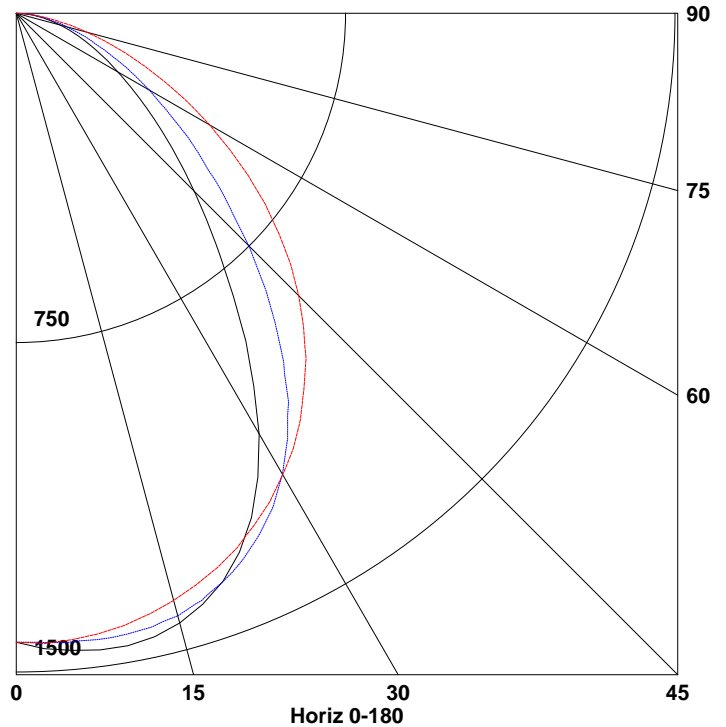
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1130	34.8	34.8
0-40	1782	54.8	54.8
0-60	2796	86.0	86.0
0-90	3250	100.0	100.0
0-180	3250	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	15728	15728	15728	15728	15728	15728
30	14027	14154	14864	15663	15727	15384
40	10366	10868	11929	14023	14869	14711
45	8900	9429	10392	12722	14104	14120
50	7689	8151	9056	11295	13072	13345
55	6664	7085	7928	9939	11777	12351
60	5865	6217	6942	8721	10456	11181
65	5276	5536	6108	7641	9070	9824
70	4785	5010	5395	6583	7836	8510
75	4371	4583	4838	5644	6620	7087
80	3985	4175	4364	4807	5377	5756
85	3781	4033	4033	4159	4411	4411

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%						
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
RW	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
	2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
	3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
R	4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
C	5	79	68	59	53	77	66	59	53	64	58	52	63	56	52	61	55	51	49
R	6	74	61	53	47	72	60	53	47	59	52	46	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	49	42	37	48	42	37	47	41	37	35
	9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
	10	56	44	36	31	55	43	36	31	42	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: CWW4-30VWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens

TEST #16.01157
DATE: 6/7/2016

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	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432
2.5	1448	1454	1453	1448	1443	1434	1437	1437	1447	1442	1434	1437	1436	1435	1430	1425	1426
5.0	1456	1466	1463	1458	1452	1439	1446	1445	1453	1448	1437	1441	1439	1436	1430	1423	1425
7.5	1462	1472*	1469	1464	1458	1443	1450	1449	1458	1453	1438	1443	1440	1436	1428	1418	1422
10.0	1462	1471	1468	1463	1456	1443	1450	1449	1456	1453	1436	1441	1437	1432	1424	1412	1416
12.5	1454	1462	1457	1455	1447	1435	1442	1449	1447	1431	1436	1432	1426	1417	1403	1408	
15.0	1437	1442	1439	1436	1429	1419	1425	1426	1434	1435	1420	1424	1420	1415	1406	1391	1396
17.5	1411	1414	1411	1408	1403	1395	1400	1402	1410	1415	1402	1406	1403	1399	1390	1376	1380
20.0	1376	1379	1375	1372	1370	1363	1367	1371	1381	1390	1377	1383	1382	1379	1371	1357	1362
22.5	1328	1326	1326	1327	1325	1323	1327	1332	1343	1355	1347	1354	1354	1353	1347	1334	1338
25.0	1267	1266	1264	1264	1268	1269	1271	1280	1296	1313	1309	1318	1320	1322	1318	1305	1310
27.5	1191	1188	1189	1191	1198	1207	1208	1221	1239	1261	1266	1276	1280	1284	1285	1275	1278
30.0	1106	1098	1104	1109	1116	1129	1129	1147	1172	1194	1212	1224	1235	1242	1244	1236	1240
32.5	1006	1003	1006	1013	1027	1042	1044	1065	1092	1124	1150	1164	1180	1193	1199	1193	1197
35.0	911	907	910	922	934	950	953	978	1011	1045	1081	1100	1119	1138	1149	1147	1151
37.5	812	816	820	828	844	855	860	886	920	961	1000	1024	1053	1075	1092	1092	1098
40.0	723	726	731	742	758	765	777	802	832	870	916	944	978	1006	1027	1032	1037
42.5	644	649	654	664	679	683	694	717	748	786	831	865	899	934	962	970	976
45.0	573	579	584	593	607	608	620	641	669	705	749	783	819	858	890	901	908
47.5	509	512	518	528	537	539	553	571	594	625	664	700	740	777	810	827	838
50.0	450	455	459	466	477	480	491	508	530	558	591	628	661	703	738	754	765
52.5	395	401	404	410	421	425	435	451	470	495	523	557	588	629	662	678	691
55.0	348	351	354	361	370	372	381	395	414	435	459	490	519	554	587	605	615
57.5	305	308	310	316	324	326	334	347	361	381	401	429	454	486	516	533	545
60.0	267	271	273	277	283	285	291	302	316	333	350	376	397	425	452	464	476
62.5	235	238	240	242	247	247	253	261	273	285	300	321	344	366	389	399	409
65.0	203	206	207	209	213	213	217	224	235	244	256	274	294	313	332	340	349
67.5	175	178	179	179	183	183	187	192	200	209	216	233	248	265	281	287	296
70.0	149	152	152	153	156	155	159	163	168	176	181	193	205	217	233	237	244
72.5	126	127	128	129	130	130	133	136	139	144	149	158	167	177	187	192	197
75.0	103	105	105	106	108	107	109	112	114	117	120	128	133	141	148	152	156
77.5	83	84	84	85	85	85	87	88	90	93	95	100	103	109	114	116	118
80.0	63	65	65	65	66	65	66	67	69	70	70	74	76	80	83	83	85
82.5	46	47	47	47	47	47	48	48	49	49	50	51	54	54	55	56	57
85.0	30	31	31	31	32	31	32	32	32	33	32	33	33	34	34	34	35
87.5	15	16	17	16	17	16	17	17	17	17	17	17	17	17	17	16	17
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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3" x 48" led with frosted acrylic prisms lens

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CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	1432	1432	1432	1432
2.5	1423	1421	1427	1436
5.0	1421	1418	1423	1432
7.5	1416	1412	1417	1425
10.0	1409	1404	1407	1415
12.5	1400	1392	1395	1401
15.0	1386	1378	1378	1384
17.5	1370	1360	1359	1364
20.0	1350	1339	1338	1342
22.5	1327	1315	1311	1316
25.0	1298	1286	1281	1284
27.5	1268	1253	1248	1252
30.0	1231	1218	1212	1213
32.5	1190	1177	1170	1174
35.0	1145	1135	1126	1128
37.5	1092	1083	1076	1076
40.0	1040	1031	1025	1026
42.5	984	975	968	968
45.0	919	913	908	909
47.5	850	850	847	848
50.0	779	782	777	781
52.5	709	715	712	716
55.0	637	641	643	645
57.5	566	570	573	575
60.0	495	505	504	509
62.5	427	436	440	442
65.0	364	374	377	378
67.5	308	314	316	319
70.0	255	260	263	265
72.5	205	211	211	213
75.0	162	167	167	167
77.5	124	126	128	127
80.0	88	89	90	91
82.5	58	59	60	60
85.0	35	36	35	35
87.5	16	16	16	16
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	29	32	39	49	27	30	37	48
20 30	25	27	30	36	24	25	27	34
20 40	25	25	27	30	23	23	24	27
20 60	24	25	25	27	22	23	23	25
30 20	30	33	38	46	29	32	36	45
30 30	27	27	29	34	25	26	27	33
30 40	25	25	26	28	24	24	24	26
30 60	24	25	24	25	23	23	22	23
30 80	25	25	23	25	24	24	22	23
40 20	33	35	39	46	32	34	38	45
40 30	29	29	30	34	28	28	28	33
40 40	27	27	26	28	26	26	25	26
40 60	26	26	24	25	25	24	23	23
40 80	26	26	23	24	25	25	22	23
40 100	26	26	24	24	25	25	22	23
60 30	31	31	31	35	30	30	30	34
60 40	28	28	27	28	28	27	26	27
60 60	27	27	24	25	26	26	23	24
60 80	27	26	24	24	26	25	22	23
60 100	27	26	24	24	26	26	23	23
100 40	33	32	30	31	32	31	29	31
100 60	31	30	27	28	30	29	26	27
100 80	30	29	26	26	30	28	25	25
100 100	30	29	26	26	29	28	25	25

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES