

LUMINAIRE: CWW4-50VWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01157
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 3526
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 #16272

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 114

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.11
BASED ON 3000 HRS. AND \$.08 PER KWH

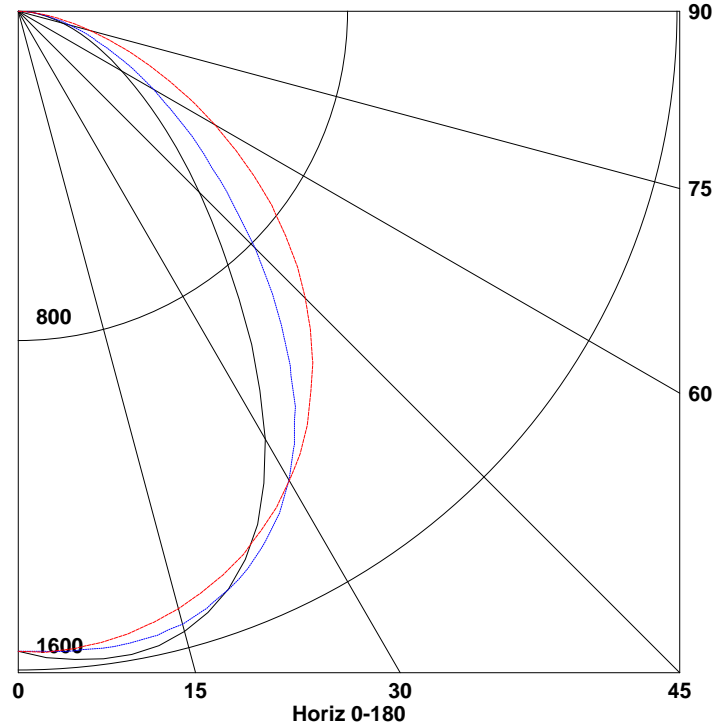
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1226	34.8	34.8
0-40	1934	54.8	54.8
0-60	3034	86.0	86.0
0-90	3526	100.0	100.0
0-180	3526	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	17068	17068	17068	17068	17068	17068
30	15219	15359	16132	16995	17058	16691
40	11241	11786	12947	15213	16130	15958
45	9662	10236	11277	13809	15300	15316
50	8339	8851	9825	12252	14183	14473
55	7238	7679	8598	10781	12773	13405
60	6371	6744	7535	9468	11335	12126
65	5718	6004	6627	8291	9850	10656
70	5202	5427	5845	7129	8510	9249
75	4753	4965	5262	6111	7172	7681
80	4301	4554	4744	5187	5819	6262
85	4159	4411	4411	4537	4789	4789

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 180.0

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	88	84	80	85	81	78	82	79	76	74	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64	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: CWW4-50VWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens
Scaled from Test#16.01157

TEST #16272
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	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554
2.5	1571	1578	1577	1571	1566	1556	1559	1559	1570	1565	1556	1559	1558	1557	1552	1546	1547
5.0	1580	1591	1587	1582	1575	1561	1569	1568	1577	1571	1559	1563	1561	1558	1552	1544	1546
7.5	1586	1597*	1594	1588	1582	1566	1573	1572	1582	1577	1560	1566	1562	1558	1549	1539	1543
10.0	1586	1596	1593	1587	1580	1566	1573	1572	1580	1577	1558	1563	1559	1554	1545	1532	1536
12.5	1578	1586	1581	1579	1570	1557	1565	1565	1572	1570	1553	1558	1554	1547	1537	1522	1528
15.0	1559	1565	1561	1558	1550	1540	1546	1547	1556	1557	1541	1545	1541	1535	1526	1509	1515
17.5	1531	1534	1531	1528	1522	1514	1519	1521	1530	1535	1521	1526	1522	1518	1508	1493	1497
20.0	1493	1496	1492	1489	1486	1479	1483	1488	1498	1508	1494	1501	1499	1496	1488	1472	1478
22.5	1441	1439	1439	1440	1438	1435	1440	1445	1457	1470	1462	1469	1469	1468	1462	1447	1452
25.0	1375	1374	1371	1371	1376	1377	1379	1389	1406	1425	1420	1430	1432	1434	1430	1416	1421
27.5	1292	1289	1290	1292	1300	1310	1311	1325	1344	1368	1374	1384	1389	1393	1394	1383	1387
30.0	1200	1191	1198	1203	1211	1225	1225	1244	1272	1295	1315	1328	1340	1348	1350	1341	1345
32.5	1092	1088	1092	1099	1114	1131	1133	1156	1185	1220	1248	1263	1280	1294	1301	1294	1299
35.0	988	984	987	1000	1013	1031	1034	1061	1097	1134	1173	1194	1214	1235	1247	1244	1249
37.5	881	885	890	898	916	928	933	961	998	1043	1085	1111	1143	1166	1185	1185	1191
40.0	784	788	793	805	822	830	843	870	903	944	994	1024	1061	1092	1114	1120	1125
42.5	699	704	710	720	737	741	753	778	812	853	902	939	975	1013	1044	1052	1059
45.0	622	628	634	643	659	660	673	695	726	765	813	850	889	931	966	978	985
47.5	552	556	562	573	583	585	600	620	644	678	720	760	803	843	879	897	909
50.0	488	494	498	506	518	521	533	551	575	605	641	681	717	763	801	818	830
52.5	429	435	438	445	457	461	472	489	510	537	567	604	638	682	718	736	750
55.0	378	381	384	392	401	404	413	429	449	472	498	532	563	601	637	656	667
57.5	331	334	336	343	352	354	362	377	392	413	435	465	493	527	560	578	591
60.0	290	294	296	301	307	309	316	328	343	361	380	408	431	461	490	503	516
62.5	255	258	260	263	268	268	275	283	296	309	326	348	373	397	422	433	444
65.0	220	224	225	227	231	231	235	243	255	265	278	297	319	340	360	369	379
67.5	190	193	194	194	199	199	203	208	217	227	234	253	269	288	305	311	321
70.0	162	165	165	166	169	168	173	177	182	191	196	209	222	235	253	257	265
72.5	137	138	139	140	141	141	144	148	151	156	162	171	181	192	203	208	214
75.0	112	114	114	115	117	116	118	122	124	127	130	139	144	153	161	165	169
77.5	90	91	91	92	92	92	94	95	98	101	103	109	112	118	124	126	128
80.0	68	71	71	71	72	71	72	73	75	76	76	80	82	87	90	90	92
82.5	50	51	51	51	51	51	52	52	53	53	54	55	59	59	60	61	62
85.0	33	34	34	34	35	34	35	35	35	36	35	36	36	37	37	37	38
87.5	16	17	18	17	18	17	18	18	18	18	18	18	18	18	18	17	18
90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*MAXIMUM CANDELA VALUE

LUMINAIRE: CWW4-50VWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acrylic prisms lens
Scaled from Test#16.01157

TEST #16272
DATE: 6/3/2016

CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	1554	1554	1554	1554
2.5	1544	1542	1548	1558
5.0	1542	1539	1544	1554
7.5	1536	1532	1537	1546
10.0	1529	1523	1527	1535
12.5	1519	1510	1514	1520
15.0	1504	1495	1495	1502
17.5	1486	1476	1475	1480
20.0	1465	1453	1452	1456
22.5	1440	1427	1422	1428
25.0	1408	1395	1390	1393
27.5	1376	1360	1354	1358
30.0	1336	1322	1315	1316
32.5	1291	1277	1269	1274
35.0	1242	1231	1222	1224
37.5	1185	1175	1167	1167
40.0	1128	1119	1112	1113
42.5	1068	1058	1050	1050
45.0	997	991	985	986
47.5	922	922	919	920
50.0	845	848	843	847
52.5	769	776	773	777
55.0	691	695	698	700
57.5	614	618	622	624
60.0	537	548	547	552
62.5	463	473	477	480
65.0	395	406	409	410
67.5	334	341	343	346
70.0	277	282	285	288
72.5	222	229	229	231
75.0	176	181	181	181
77.5	135	137	139	138
80.0	95	97	98	99
82.5	63	64	65	65
85.0	38	39	38	38
87.5	17	17	17	17
90.0	0	0	0	0



LUMINAIRE: CWW4-50VWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acrylic prisms lens
Scaled from Test#16.01157

TEST #16272
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	27	30	37	47	25	28	35	45
20 30	24	25	28	34	22	23	26	32
20 40	23	23	25	28	21	22	23	26
20 60	22	23	23	25	21	21	21	23
30 20	28	31	36	44	27	30	34	43
30 30	25	26	27	32	24	24	25	31
30 40	24	24	24	26	22	22	22	24
30 60	23	23	22	24	22	22	20	22
30 80	23	23	22	23	22	22	20	21
40 20	31	33	37	44	30	32	36	43
40 30	27	27	28	32	26	26	26	31
40 40	25	25	24	26	24	24	23	25
40 60	24	24	22	23	23	23	21	22
40 80	24	24	22	23	23	23	20	21
40 100	25	24	22	23	24	23	21	21
60 30	29	29	29	33	28	28	28	32
60 40	27	27	25	27	26	26	24	25
60 60	25	25	23	24	25	24	22	22
60 80	25	25	22	23	24	24	21	21
60 100	25	25	22	22	25	24	21	21
100 40	31	30	28	30	30	30	27	29
100 60	29	28	25	26	28	27	25	25
100 80	28	27	24	25	28	27	23	24
100 100	28	27	24	24	28	27	23	23

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES