

LUMINAIRE: CWW4-40VWG-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: 3416
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 #16271

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 111

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.18

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

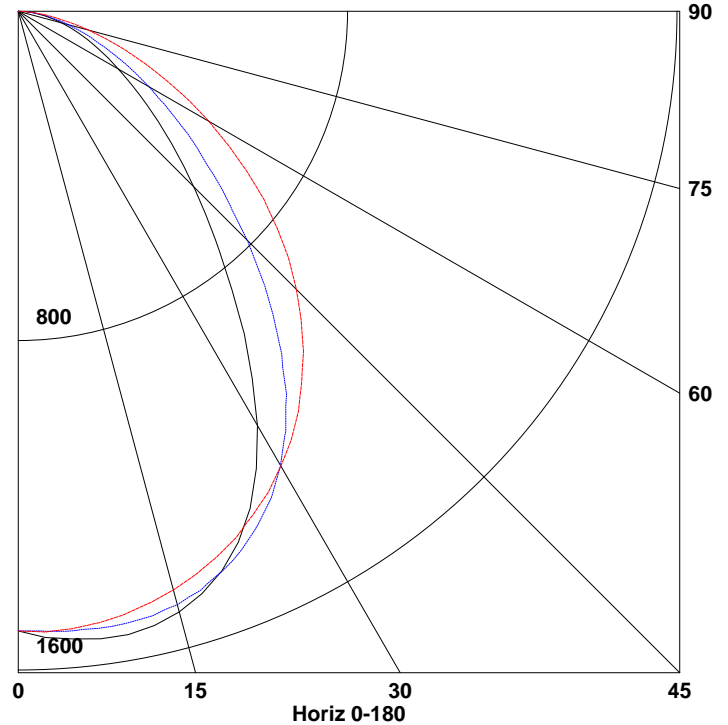
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1187	34.8	34.8
0-40	1873	54.8	54.8
0-60	2939	86.0	86.0
0-90	3416	100.0	100.0
0-180	3416	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	16530	16530	16530	16530	16530	16530
30	14737	14877	15625	16462	16526	16171
40	10897	11427	12531	14740	15628	15456
45	9351	9910	10920	13374	14819	14834
50	8082	8561	9518	11876	13738	14029
55	7009	7449	8330	10436	12370	12983
60	6173	6524	7293	9160	10984	11752
65	5536	5822	6419	8031	9538	10318
70	5042	5267	5684	6905	8221	8960
75	4583	4838	5093	5941	6960	7469
80	4175	4364	4617	5060	5630	6072
85	4033	4285	4285	4411	4663	4663

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

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	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: CWW4-40VWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens
Scaled from Test#16.01157

TEST #16271
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	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505	1505
2.5	1522	1528	1527	1522	1517	1507	1510	1510	1521	1516	1507	1510	1509	1508	1503	1498	1499
5.0	1530	1541	1538	1532	1526	1512	1520	1519	1527	1522	1510	1514	1512	1509	1503	1496	1498
7.5	1537	1547*	1544	1539	1532	1517	1524	1523	1532	1527	1511	1517	1513	1509	1501	1490	1495
10.0	1537	1546	1543	1538	1530	1517	1524	1523	1530	1527	1509	1514	1510	1505	1497	1484	1488
12.5	1528	1537	1531	1529	1521	1508	1516	1516	1523	1521	1504	1509	1505	1499	1489	1475	1480
15.0	1510	1516	1512	1509	1502	1491	1498	1499	1507	1508	1492	1497	1492	1487	1478	1462	1467
17.5	1483	1486	1483	1480	1475	1466	1471	1474	1482	1487	1474	1478	1475	1470	1461	1446	1450
20.0	1446	1449	1445	1442	1440	1433	1437	1441	1451	1461	1447	1454	1452	1449	1441	1426	1431
22.5	1396	1394	1394	1395	1393	1390	1395	1400	1411	1424	1416	1423	1423	1422	1416	1402	1406
25.0	1332	1331	1328	1328	1333	1334	1336	1345	1362	1380	1376	1385	1387	1389	1385	1372	1377
27.5	1252	1249	1250	1252	1259	1269	1270	1283	1302	1325	1331	1341	1345	1349	1351	1340	1343
30.0	1162	1154	1160	1166	1173	1187	1187	1206	1232	1255	1274	1286	1298	1305	1307	1299	1303
32.5	1057	1054	1057	1065	1079	1095	1097	1119	1148	1181	1209	1223	1240	1254	1260	1254	1258
35.0	957	953	956	969	982	998	1002	1028	1063	1098	1136	1156	1176	1196	1208	1206	1210
37.5	853	858	862	870	887	899	904	931	967	1010	1051	1076	1107	1130	1148	1148	1154
40.0	760	763	768	780	797	804	817	843	874	914	963	992	1028	1057	1079	1085	1090
42.5	677	682	687	698	714	718	729	754	786	826	873	909	945	982	1011	1019	1026
45.0	602	609	614	623	638	639	652	674	703	741	787	823	861	902	935	947	954
47.5	535	538	544	555	564	566	581	600	624	657	698	736	778	817	851	869	881
50.0	473	478	482	490	501	504	516	534	557	586	621	660	695	739	776	792	804
52.5	415	421	425	431	442	447	457	474	494	520	550	585	618	661	696	713	726
55.0	366	369	372	379	389	391	400	415	435	457	482	515	545	582	617	636	646
57.5	321	324	326	332	341	343	351	365	379	400	421	451	477	511	542	560	573
60.0	281	285	287	291	297	300	306	317	332	350	368	395	417	447	475	488	500
62.5	247	250	252	254	260	260	266	274	287	300	315	337	362	385	409	419	430
65.0	213	217	218	220	224	224	228	235	247	256	269	288	309	329	349	357	367
67.5	184	187	188	188	192	192	197	202	210	220	227	245	261	279	295	302	311
70.0	157	160	160	161	164	163	167	171	177	185	190	203	215	228	245	249	256
72.5	132	133	135	136	137	137	140	143	146	151	157	166	176	186	197	202	207
75.0	108	110	110	111	114	112	115	118	120	123	126	135	140	148	156	160	164
77.5	87	88	88	89	89	89	91	92	95	98	100	105	108	115	120	122	124
80.0	66	68	68	68	69	68	69	70	73	74	74	78	80	84	87	87	89
82.5	48	49	49	49	49	49	50	50	52	52	53	54	57	57	58	59	60
85.0	32	33	33	33	34	33	34	34	34	35	34	35	35	36	36	36	37
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



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CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	1505	1505	1505	1505
2.5	1496	1493	1500	1509
5.0	1493	1490	1496	1505
7.5	1488	1484	1489	1498
10.0	1481	1476	1479	1487
12.5	1471	1463	1466	1472
15.0	1457	1448	1448	1455
17.5	1440	1429	1428	1434
20.0	1419	1407	1406	1410
22.5	1395	1382	1378	1383
25.0	1364	1352	1346	1349
27.5	1333	1317	1312	1316
30.0	1294	1280	1274	1275
32.5	1251	1237	1230	1234
35.0	1203	1193	1183	1186
37.5	1148	1138	1131	1131
40.0	1093	1084	1077	1078
42.5	1034	1025	1017	1017
45.0	966	960	954	955
47.5	893	893	890	891
50.0	819	822	817	821
52.5	745	751	748	753
55.0	669	674	676	678
57.5	595	599	602	604
60.0	520	531	530	535
62.5	449	458	462	465
65.0	383	393	396	397
67.5	324	330	332	335
70.0	268	273	276	279
72.5	215	222	222	224
75.0	170	176	176	176
77.5	130	132	135	133
80.0	92	94	95	96
82.5	61	62	63	63
85.0	37	38	37	37
87.5	17	17	17	17
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	27	31	38	48	26	29	36	46
20 30	24	26	29	35	23	24	26	33
20 40	24	24	25	29	22	22	23	26
20 60	23	24	24	26	21	22	22	24
30 20	29	32	36	45	28	31	35	44
30 30	25	26	28	33	24	25	26	32
30 40	24	24	25	27	23	23	23	25
30 60	23	24	23	24	22	22	21	22
30 80	24	24	22	24	23	23	21	22
40 20	31	34	38	44	31	33	37	44
40 30	27	28	29	33	26	27	27	32
40 40	26	26	25	27	25	25	24	25
40 60	25	25	23	24	24	23	22	22
40 80	25	25	22	23	24	23	21	22
40 100	25	25	23	23	24	24	21	22
60 30	29	30	30	33	29	29	29	33
60 40	27	27	26	27	27	26	25	26
60 60	26	25	23	24	25	25	22	23
60 80	26	25	23	23	25	24	22	22
60 100	26	25	23	23	25	25	22	22
100 40	32	31	29	30	31	30	28	29
100 60	30	29	26	27	29	28	25	26
100 80	29	28	25	25	28	27	24	24
100 100	29	28	25	25	28	27	24	24

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES