

LUMINAIRE: CWW4-30MWG-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: 3605
WATTS: 35.00
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 #16.01158
 DATE: 6/7/2016

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 = \$2.33
BASED ON 3000 HRS. AND \$.08 PER KWH

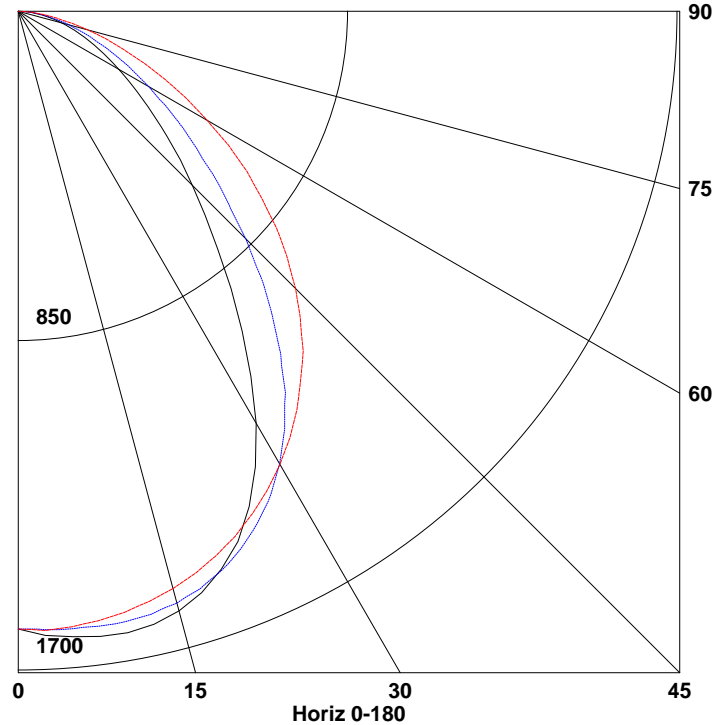
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1256	34.8	34.8
0-40	1979	54.9	54.9
0-60	3102	86.1	86.1
0-90	3605	100.0	100.0
0-180	3605	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	17508	17508	17508	17508	17508	17508
30	15574	15612	16462	17363	17515	17122
40	11470	11958	13148	15557	16517	16403
45	9864	10376	11479	14073	15642	15720
50	8544	9022	10013	12508	14473	14866
55	7411	7794	8713	10973	13041	13788
60	6590	6876	7623	9644	11577	12368
65	5900	6082	6705	8395	10136	10916
70	5395	5524	5909	7258	8703	9345
75	4923	5008	5305	6281	7257	7893
80	4554	4554	4744	5313	5946	6325
85	4285	4411	4537	4789	4789	4915

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 1700 ———

COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	RW	80%				70%				50%				30%					
		70%	50%	30%	10%	70%	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	67	59	53	64	58	52	63	57	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	43	38	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	57	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: CWW4-30MWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens

TEST #16.01158
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	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594	1594
2.5	1612	1618	1617	1612	1606	1596	1600	1599	1611	1605	1597	1601	1600	1598	1593	1587	1588
5.0	1620	1630	1628	1623	1616	1601	1609	1608	1618	1612	1599	1605	1603	1599	1592	1584	1587
7.5	1627	1638*	1635	1630	1622	1606	1615	1613	1622	1616	1600	1606	1603	1598	1590	1579	1583
10.0	1628	1637	1633	1628	1621	1606	1614	1613	1621	1617	1599	1605	1601	1595	1586	1572	1577
12.5	1620	1627	1621	1617	1610	1598	1604	1603	1613	1610	1593	1598	1594	1587	1578	1562	1567
15.0	1602	1605	1599	1597	1590	1581	1585	1586	1595	1596	1581	1585	1581	1575	1565	1549	1554
17.5	1573	1573	1568	1566	1560	1555	1557	1560	1570	1575	1562	1565	1562	1558	1548	1532	1537
20.0	1532	1529	1526	1524	1523	1518	1520	1525	1536	1545	1535	1540	1537	1534	1526	1511	1516
22.5	1481	1473	1469	1471	1469	1473	1470	1478	1492	1504	1501	1506	1506	1506	1499	1486	1490
25.0	1410	1398	1400	1401	1404	1412	1409	1422	1438	1456	1458	1466	1467	1469	1466	1455	1459
27.5	1325	1309	1314	1317	1329	1340	1339	1352	1373	1395	1409	1417	1422	1431	1431	1419	1423
30.0	1228	1211	1217	1224	1231	1253	1246	1268	1298	1325	1349	1360	1369	1378	1382	1376	1381
32.5	1117	1102	1109	1118	1136	1155	1154	1176	1208	1240	1279	1290	1310	1326	1334	1329	1333
35.0	1007	995	1003	1012	1034	1054	1054	1079	1117	1155	1202	1215	1242	1263	1277	1280	1282
37.5	902	894	902	912	933	950	950	980	1015	1056	1112	1132	1164	1196	1210	1214	1220
40.0	800	804	804	818	834	851	854	879	917	959	1017	1044	1085	1114	1139	1149	1152
42.5	713	716	720	733	747	761	767	790	825	866	923	951	995	1034	1066	1082	1085
45.0	635	639	642	654	668	678	686	706	739	777	830	860	906	951	985	1003	1007
47.5	567	567	573	581	592	601	608	630	655	690	737	773	817	859	898	919	930
50.0	500	499	505	513	528	535	543	561	586	613	657	690	732	778	818	841	847
52.5	441	439	445	451	465	471	480	496	516	542	579	612	651	695	734	755	766
55.0	387	387	389	397	407	415	421	435	455	479	511	538	573	613	650	673	681
57.5	340	341	341	348	357	365	368	380	399	419	448	474	505	538	572	594	601
60.0	300	297	300	303	313	318	322	333	347	364	389	413	439	471	501	518	527
62.5	263	261	263	266	269	276	277	287	300	315	335	356	378	402	428	444	456
65.0	227	226	228	232	234	240	240	247	258	270	287	304	323	343	365	379	390
67.5	196	195	196	198	203	205	207	212	218	228	244	257	274	293	312	321	328
70.0	168	166	168	169	172	174	175	179	184	192	203	212	226	243	258	265	271
72.5	140	141	141	142	143	146	146	149	153	159	167	174	184	195	207	214	217
75.0	116	115	115	117	118	120	120	122	125	129	136	140	148	155	164	170	171
77.5	93	92	92	93	95	96	96	97	100	102	106	108	114	120	126	130	130
80.0	72	70	71	71	72	73	73	74	75	77	80	81	84	88	91	93	94
82.5	53	52	51	52	52	53	53	54	54	55	56	57	58	59	61	63	63
85.0	34	34	33	34	35	36	35	35	36	36	37	37	38	38	38	39	38
87.5	18	18	18	18	18	19	18	18	18	18	19	19	19	19	19	19	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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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	1594	1594	1594	1594
2.5	1584	1581	1588	1599
5.0	1581	1577	1584	1594
7.5	1576	1571	1577	1586
10.0	1569	1562	1566	1575
12.5	1558	1550	1552	1560
15.0	1543	1533	1534	1542
17.5	1525	1514	1514	1520
20.0	1502	1491	1489	1494
22.5	1476	1463	1459	1465
25.0	1445	1432	1427	1430
27.5	1412	1396	1390	1392
30.0	1369	1354	1347	1350
32.5	1326	1310	1305	1305
35.0	1276	1262	1254	1254
37.5	1214	1205	1197	1197
40.0	1156	1148	1141	1144
42.5	1092	1084	1078	1077
45.0	1022	1016	1011	1012
47.5	946	943	938	942
50.0	869	871	869	870
52.5	792	792	794	792
55.0	706	714	716	720
57.5	627	636	638	643
60.0	553	558	565	563
62.5	474	483	486	491
65.0	405	413	417	420
67.5	345	350	355	354
70.0	283	290	292	291
72.5	229	235	237	238
75.0	180	185	187	186
77.5	137	141	143	141
80.0	96	100	102	100
82.5	64	66	66	67
85.0	39	39	40	39
87.5	18	18	18	19
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	26	29	36	46	25	28	34	44
20 30	23	25	27	34	22	23	25	31
20 40	23	23	24	27	21	21	22	25
20 60	22	23	23	25	20	21	21	22
30 20	28	30	35	43	27	29	34	42
30 30	24	25	26	32	23	24	25	30
30 40	23	23	23	26	22	22	22	24
30 60	22	23	22	23	21	21	20	21
30 80	23	23	21	23	22	21	20	21
40 20	30	32	36	43	29	32	35	42
40 30	26	27	27	32	25	26	26	30
40 40	25	25	24	26	24	23	23	24
40 60	24	24	22	23	23	22	21	21
40 80	24	24	22	22	23	22	20	21
40 100	24	24	22	22	23	23	20	21
60 30	28	29	28	32	27	28	27	31
60 40	26	26	25	26	25	25	23	25
60 60	25	24	22	23	24	23	21	22
60 80	25	24	22	22	24	23	21	21
60 100	25	24	22	22	24	23	21	21
100 40	31	30	28	29	30	29	27	28
100 60	29	28	25	25	28	27	24	24
100 80	28	27	24	24	27	26	23	23
100 100	28	27	24	24	27	26	23	23

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES