

LUMINAIRE: CWW4-35MWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01158
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 3666
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 #16273

DATE: 6/3/2016

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

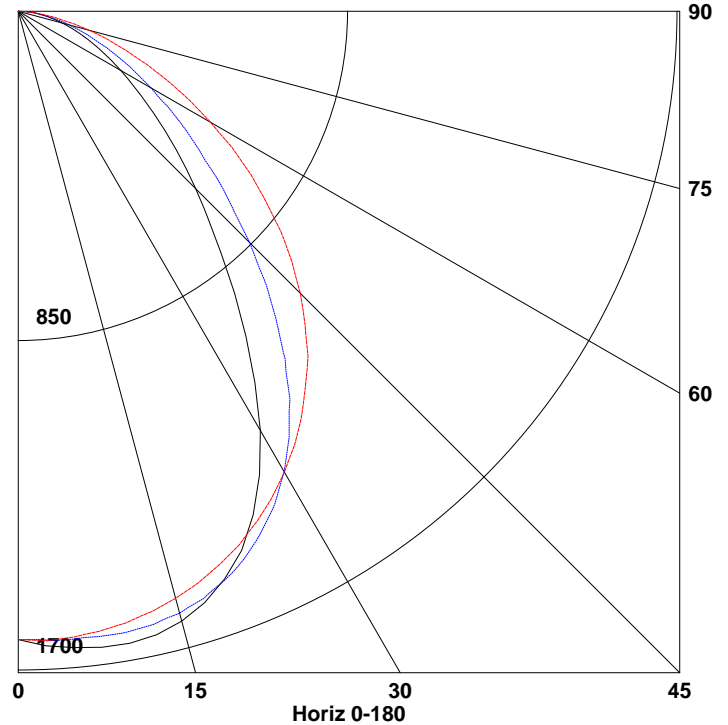
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1277	34.8	34.8
0-40	2013	54.9	54.9
0-60	3155	86.1	86.1
0-90	3666	100.0	100.0
0-180	3666	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	17804	17804	17804	17804	17804	17804
30	15841	15879	16741	17654	17807	17413
40	11671	12159	13377	15815	16804	16675
45	10034	10547	11681	14306	15906	15984
50	8698	9176	10184	12713	14712	15122
55	7545	7928	8866	11164	13271	14017
60	6700	6986	7754	9797	11774	12587
65	6004	6186	6809	8525	10318	11098
70	5492	5620	6005	7386	8863	9506
75	5008	5093	5390	6408	7384	8021
80	4617	4617	4807	5377	6072	6452
85	4411	4537	4663	4915	4915	5041

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

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	84	74	66	60	71	65	59	69	63	59	67	62	58	56
C	5	79	68	59	77	67	59	53	64	58	52	63	57	52	61	55	51	49
R	6	74	61	53	72	60	53	47	59	52	46	57	51	46	56	50	46	44
	7	69	56	48	67	55	47	42	54	47	42	52	46	41	51	45	41	39
	8	64	51	43	63	51	43	38	49	43	38	48	42	37	47	41	37	35
	9	60	47	40	59	47	39	34	46	39	34	45	38	34	44	38	34	32
	10	57	44	36	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: CWW4-35MWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens
Scaled from Test#16.01158

TEST #16273
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	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
2.5	1639	1646	1644	1639	1633	1623	1627	1626	1638	1632	1624	1628	1627	1625	1620	1614	1615
5.0	1648	1658	1656	1651	1643	1628	1636	1635	1646	1639	1626	1632	1630	1626	1619	1611	1614
7.5	1655	1666*	1663	1658	1650	1633	1642	1640	1650	1643	1627	1633	1630	1625	1617	1606	1610
10.0	1656	1665	1661	1656	1649	1633	1641	1640	1649	1644	1626	1632	1628	1622	1613	1599	1604
12.5	1648	1655	1649	1644	1637	1625	1631	1630	1640	1637	1620	1625	1621	1614	1605	1589	1594
15.0	1629	1632	1626	1624	1617	1608	1612	1613	1622	1623	1608	1612	1608	1602	1592	1575	1580
17.5	1600	1600	1595	1593	1587	1581	1583	1587	1597	1602	1589	1592	1589	1584	1574	1558	1563
20.0	1558	1555	1552	1550	1549	1544	1546	1551	1562	1571	1561	1566	1563	1560	1552	1537	1542
22.5	1506	1498	1494	1496	1494	1498	1495	1503	1517	1530	1527	1532	1532	1532	1524	1511	1515
25.0	1434	1422	1424	1425	1428	1436	1433	1446	1462	1481	1483	1491	1492	1494	1491	1480	1484
27.5	1348	1331	1336	1339	1352	1363	1362	1375	1396	1419	1433	1441	1446	1455	1455	1443	1447
30.0	1249	1232	1238	1245	1252	1274	1267	1290	1320	1348	1372	1383	1392	1401	1405	1399	1404
32.5	1136	1121	1128	1137	1155	1175	1174	1196	1229	1261	1301	1312	1332	1349	1357	1352	1356
35.0	1024	1012	1020	1029	1052	1072	1072	1097	1136	1175	1222	1236	1263	1284	1299	1302	1304
37.5	917	909	917	928	949	966	966	997	1032	1074	1131	1151	1184	1216	1231	1235	1241
40.0	814	818	818	832	848	865	869	894	933	975	1034	1062	1103	1133	1158	1169	1172
42.5	725	728	732	745	760	774	780	803	839	881	939	967	1012	1052	1084	1100	1103
45.0	646	650	653	665	679	690	698	718	752	790	844	875	921	967	1002	1020	1024
47.5	577	577	583	591	602	611	618	641	666	702	750	786	831	874	913	935	946
50.0	509	507	514	522	537	544	552	571	596	623	668	702	744	791	832	855	861
52.5	449	446	453	459	473	479	488	504	525	551	589	622	662	707	746	768	779
55.0	394	394	396	404	414	422	428	442	463	487	520	547	583	623	661	684	693
57.5	346	347	347	354	363	371	374	386	406	426	456	482	514	547	582	604	611
60.0	305	302	305	308	318	323	327	339	353	370	396	420	446	479	510	527	536
62.5	267	265	267	271	274	281	282	292	305	320	341	362	384	409	435	452	464
65.0	231	230	232	236	238	244	244	251	262	275	292	309	328	349	371	385	397
67.5	199	198	199	201	206	208	211	216	222	232	248	261	279	298	317	326	334
70.0	171	169	171	172	175	177	178	182	187	195	206	216	230	247	262	270	276
72.5	142	143	143	144	145	148	148	152	156	162	170	177	187	198	211	218	221
75.0	118	117	117	119	120	122	122	124	127	131	138	142	151	158	167	173	174
77.5	95	94	94	95	97	98	98	99	102	104	108	110	116	122	128	132	132
80.0	73	71	72	72	73	74	74	75	76	78	81	82	85	90	93	95	96
82.5	54	53	52	53	53	54	54	55	55	56	57	58	59	60	62	64	64
85.0	35	35	34	35	36	37	36	36	37	37	38	38	39	39	39	40	39
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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CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	1621	1621	1621	1621
2.5	1611	1608	1615	1626
5.0	1608	1604	1611	1621
7.5	1603	1598	1604	1613
10.0	1596	1589	1593	1602
12.5	1584	1576	1578	1587
15.0	1569	1559	1560	1568
17.5	1551	1540	1540	1546
20.0	1528	1516	1514	1519
22.5	1501	1488	1484	1490
25.0	1470	1456	1451	1454
27.5	1436	1420	1414	1416
30.0	1392	1377	1370	1373
32.5	1349	1332	1327	1327
35.0	1298	1283	1275	1275
37.5	1235	1225	1217	1217
40.0	1176	1168	1160	1163
42.5	1111	1102	1096	1095
45.0	1039	1033	1028	1029
47.5	962	959	954	958
50.0	884	886	884	885
52.5	805	805	808	805
55.0	718	726	728	732
57.5	638	647	649	654
60.0	562	567	575	573
62.5	482	491	494	499
65.0	412	420	424	427
67.5	351	356	361	360
70.0	288	295	297	296
72.5	233	239	241	242
75.0	183	188	190	189
77.5	139	143	145	143
80.0	98	102	104	102
82.5	65	67	67	68
85.0	40	40	41	40
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	45	24	27	34	44
20 30	23	24	27	33	21	22	25	31
20 40	22	23	24	27	21	21	22	25
20 60	22	22	22	24	20	20	20	22
30 20	27	30	35	43	26	29	33	42
30 30	24	25	26	31	23	23	24	30
30 40	23	23	23	25	22	22	21	24
30 60	22	22	21	23	21	21	20	21
30 80	22	22	21	22	21	21	19	20
40 20	30	32	36	42	29	31	35	42
40 30	26	26	27	31	25	25	26	30
40 40	24	24	24	25	23	23	22	24
40 60	23	23	22	23	22	22	20	21
40 80	23	23	21	22	22	22	20	20
40 100	24	23	21	22	23	22	20	20
60 30	28	28	28	32	27	27	27	31
60 40	26	26	24	26	25	25	23	25
60 60	25	24	22	23	24	23	21	21
60 80	24	24	21	22	23	23	20	21
60 100	25	24	22	22	24	23	20	20
100 40	30	30	28	29	29	29	27	28
100 60	28	27	25	25	28	27	24	24
100 80	28	27	24	24	27	26	23	23
100 100	27	26	23	23	27	26	22	22

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES