

LUMINAIRE: CWW4-35VWG-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: 3305
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 #16270

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 107

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.24

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

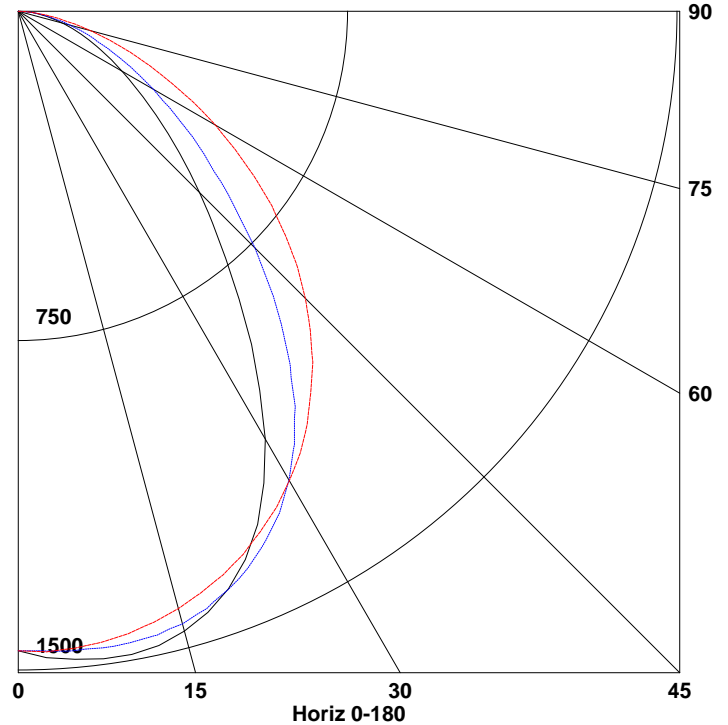
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1149	34.8	34.8
0-40	1812	54.8	54.8
0-60	2844	86.0	86.0
0-90	3305	100.0	100.0
0-180	3305	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	15992	15992	15992	15992	15992	15992
30	14268	14395	15118	15930	15993	15651
40	10538	11055	12130	14266	15127	14955
45	9056	9584	10563	12939	14337	14353
50	7826	8287	9210	11483	13294	13567
55	6779	7200	8062	10111	11968	12562
60	5975	6327	7051	8875	10632	11379
65	5354	5640	6211	7771	9226	9980
70	4881	5106	5492	6680	7964	8671
75	4456	4668	4923	5729	6748	7214
80	4048	4238	4428	4870	5440	5883
85	3907	4159	4159	4285	4537	4537

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 150.0

COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%				10%		0%
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	63	59	67	62	58	56	
C	5	79	68	59	53	77	66	59	53	64	58	52	63	56	61	55	51	49	
R	6	74	61	53	47	72	60	53	47	59	52	46	57	51	56	50	46	44	
	7	69	56	48	42	67	55	47	42	54	47	42	52	46	51	45	41	39	
	8	64	51	43	38	63	51	43	38	49	42	37	48	42	47	41	37	35	
	9	60	47	40	34	59	47	39	34	46	39	34	45	38	44	38	34	32	
	10	56	44	36	31	55	43	36	31	42	36	31	42	35	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: _____

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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	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456
2.5	1473	1479	1478	1473	1468	1458	1461	1461	1472	1467	1458	1461	1460	1459	1454	1449	1450
5.0	1481	1491	1488	1483	1477	1463	1471	1470	1478	1473	1461	1466	1463	1460	1454	1447	1449
7.5	1487	1497*	1494	1489	1483	1468	1475	1474	1483	1478	1462	1468	1464	1460	1452	1442	1446
10.0	1487	1496	1493	1488	1481	1468	1475	1474	1481	1478	1460	1466	1461	1456	1448	1436	1440
12.5	1479	1487	1482	1480	1472	1459	1467	1467	1474	1472	1455	1460	1456	1450	1441	1427	1432
15.0	1461	1467	1463	1460	1453	1443	1449	1450	1458	1459	1444	1448	1444	1439	1430	1415	1420
17.5	1435	1438	1435	1432	1427	1419	1424	1426	1434	1439	1426	1430	1427	1423	1414	1399	1403
20.0	1399	1402	1398	1395	1393	1386	1390	1394	1404	1414	1400	1407	1405	1402	1394	1380	1385
22.5	1351	1349	1349	1350	1348	1345	1350	1355	1366	1378	1370	1377	1377	1376	1370	1357	1361
25.0	1289	1288	1285	1285	1290	1291	1293	1302	1318	1335	1331	1340	1342	1344	1340	1327	1332
27.5	1211	1208	1209	1211	1218	1228	1229	1242	1260	1282	1288	1298	1302	1306	1307	1297	1300
30.0	1125	1117	1123	1128	1135	1148	1148	1167	1192	1214	1233	1245	1256	1263	1265	1257	1261
32.5	1023	1020	1023	1030	1044	1060	1062	1083	1111	1143	1170	1184	1200	1213	1219	1213	1217
35.0	926	922	925	938	950	966	969	995	1028	1063	1099	1119	1138	1157	1169	1167	1171
37.5	826	830	834	842	858	870	875	901	936	977	1017	1041	1071	1093	1111	1111	1117
40.0	735	738	743	755	771	778	790	816	846	885	932	960	995	1023	1044	1050	1055
42.5	655	660	665	675	691	695	706	729	761	799	845	880	914	950	978	986	993
45.0	583	589	594	603	617	618	631	652	680	717	762	796	833	873	905	916	923
47.5	518	521	527	537	546	548	562	581	604	636	675	712	753	790	824	841	852
50.0	458	463	467	474	485	488	499	517	539	567	601	639	672	715	751	767	778
52.5	402	408	411	417	428	432	442	459	478	503	532	566	598	640	673	690	703
55.0	354	357	360	367	376	378	387	402	421	442	467	498	528	563	597	615	625
57.5	310	313	315	321	330	332	340	353	367	387	408	436	462	494	525	542	554
60.0	272	276	278	282	288	290	296	307	321	339	356	382	404	432	460	472	484
62.5	239	242	244	246	251	251	257	265	278	290	305	326	350	372	396	406	416
65.0	206	210	211	213	217	217	221	228	239	248	260	279	299	318	338	346	355
67.5	178	181	182	182	186	186	190	195	203	213	220	237	252	270	286	292	301
70.0	152	155	155	156	159	158	162	166	171	179	184	196	208	221	237	241	248
72.5	128	129	130	131	132	132	135	138	141	146	152	161	170	180	190	195	200
75.0	105	107	107	108	110	109	111	114	116	119	122	130	135	143	151	155	159
77.5	84	85	85	86	86	86	88	90	92	95	97	102	105	111	116	118	120
80.0	64	66	66	66	67	66	67	68	70	71	71	75	77	81	84	84	86
82.5	47	48	48	48	48	48	49	49	50	50	51	52	55	55	56	57	58
85.0	31	32	32	32	33	32	33	33	33	34	33	34	34	35	35	35	36
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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ANGLE	75.0	80.0	85.0	90.0
0.0	1456	1456	1456	1456
2.5	1447	1445	1451	1460
5.0	1445	1442	1447	1456
7.5	1440	1436	1441	1449
10.0	1433	1428	1431	1439
12.5	1424	1416	1419	1425
15.0	1410	1401	1401	1408
17.5	1393	1383	1382	1387
20.0	1373	1362	1361	1365
22.5	1350	1337	1333	1338
25.0	1320	1308	1303	1306
27.5	1290	1274	1269	1273
30.0	1252	1239	1233	1234
32.5	1210	1197	1190	1194
35.0	1164	1154	1145	1147
37.5	1111	1101	1094	1094
40.0	1058	1049	1042	1043
42.5	1001	992	984	984
45.0	935	929	923	924
47.5	864	864	861	862
50.0	792	795	790	794
52.5	721	727	724	728
55.0	648	652	654	656
57.5	576	580	583	585
60.0	503	514	513	518
62.5	434	443	447	450
65.0	370	380	383	384
67.5	313	319	321	324
70.0	259	264	267	270
72.5	208	215	215	217
75.0	165	170	170	170
77.5	126	128	130	129
80.0	90	91	92	93
82.5	59	60	61	61
85.0	36	37	36	36
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	28	32	39	49	27	30	37	47
20 30	25	27	29	36	23	25	27	34
20 40	24	25	26	29	23	23	24	27
20 60	24	24	25	27	22	23	22	24
30 20	30	32	37	46	29	31	36	45
30 30	26	27	28	34	25	26	27	32
30 40	25	25	25	28	24	24	23	26
30 60	24	24	23	25	23	23	22	23
30 80	24	24	23	24	23	23	21	23
40 20	32	35	38	45	31	34	37	45
40 30	28	29	29	34	27	28	28	33
40 40	26	26	26	28	25	25	24	26
40 60	25	25	24	25	24	24	22	23
40 80	25	25	23	24	25	24	22	22
40 100	26	25	23	24	25	25	22	22
60 30	30	31	30	34	29	30	29	33
60 40	28	28	26	28	27	27	25	27
60 60	27	26	24	25	26	25	23	24
60 80	26	26	23	24	26	25	22	23
60 100	27	26	23	24	26	25	22	22
100 40	32	32	30	31	32	31	29	30
100 60	30	30	27	27	30	29	26	26
100 80	30	29	26	26	29	28	25	25
100 100	29	28	25	25	29	28	24	24

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES