

LUMINAIRE: CWW4-50MLG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01160
BALLAST: XI054C150V054DNT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 5465
WATTS: 49.60
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 #16282
 DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 110

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.20
BASED ON 3000 HRS. AND \$.08 PER KWH

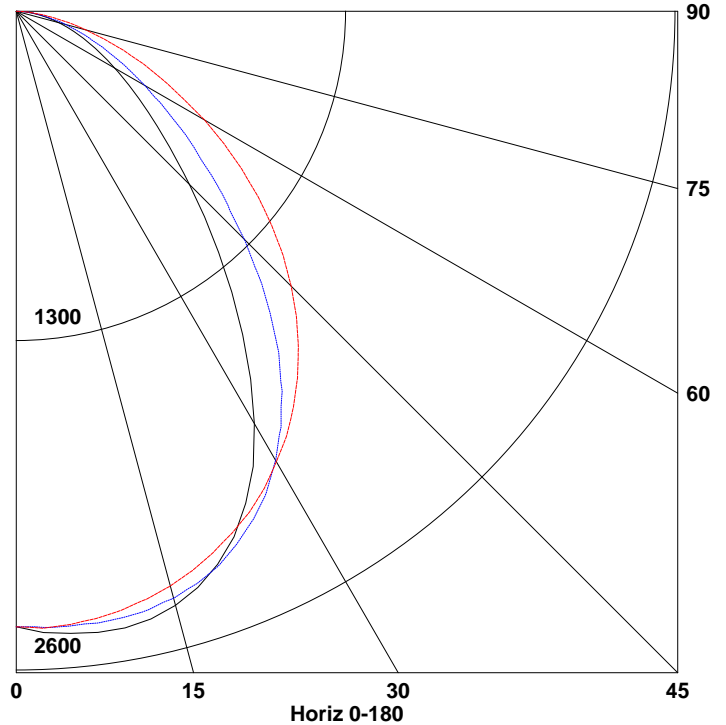
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1906	34.9	34.9
0-40	3004	55.0	55.0
0-60	4707	86.1	86.1
0-90	5465	100.0	100.0
0-180	5465	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	26679	26679	26679	26679	26679	26679
30	23831	23666	24884	26253	26520	26025
40	17822	18224	19930	23428	25077	24834
45	15005	15828	17428	21265	23657	23828
50	12799	13721	15208	18916	21838	22487
55	11068	11873	13232	16622	19705	20815
60	9841	10412	11577	14652	17486	18870
65	8888	9278	10188	12735	15152	16529
70	8157	8382	9056	11079	13135	14451
75	7384	7554	8021	9379	11161	12095
80	6642	6705	7148	8033	8982	9867
85	6175	6175	6301	6805	7436	7814

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	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	89	86	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74	74
3	93	84	76	70	91	82	75	70	79	73	68	76	72	67	74	70	66	64	64
R	4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
C	5	80	68	59	53	78	67	59	53	64	58	52	63	57	52	61	56	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	50	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: _____

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3" x 48" led with frosted acrylic prisms lens
Scaled from Test#16.01160

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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	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429	2429
2.5	2454	2469	2465	2456	2448	2431	2438	2439	2455	2449	2434	2438	2438	2435	2427	2418	2421
5.0	2464	2486	2480	2472	2461	2437	2451	2451	2465	2459	2435	2445	2441	2437	2428	2414	2418
7.5	2472	2493*	2487	2479	2467	2441	2458	2456	2469	2464	2435	2447	2441	2435	2424	2405	2414
10.0	2471	2489	2480	2473	2462	2439	2452	2452	2464	2462	2429	2441	2436	2427	2415	2394	2403
12.5	2456	2467	2462	2453	2442	2425	2434	2436	2447	2449	2418	2428	2422	2414	2401	2376	2387
15.0	2427	2433	2426	2422	2412	2399	2404	2408	2420	2425	2398	2407	2399	2395	2380	2357	2367
17.5	2384	2383	2376	2373	2365	2359	2361	2365	2380	2390	2369	2375	2369	2366	2353	2330	2339
20.0	2323	2314	2307	2307	2302	2306	2302	2308	2328	2341	2330	2333	2333	2330	2318	2296	2303
22.5	2245	2226	2221	2223	2222	2236	2228	2237	2259	2281	2275	2282	2280	2284	2276	2256	2263
25.0	2142	2111	2108	2115	2119	2148	2130	2147	2174	2199	2213	2216	2223	2226	2222	2207	2212
27.5	2025	1980	1984	1991	2005	2045	2017	2042	2076	2106	2139	2139	2154	2161	2161	2150	2158
30.0	1879	1835	1836	1851	1866	1918	1890	1915	1962	2000	2047	2051	2070	2088	2093	2089	2091
32.5	1722	1672	1687	1699	1719	1777	1741	1783	1826	1872	1945	1948	1978	1999	2012	2013	2016
35.0	1558	1514	1531	1545	1567	1625	1593	1639	1686	1736	1830	1840	1874	1902	1930	1935	1940
37.5	1397	1365	1369	1390	1413	1471	1445	1486	1541	1596	1702	1706	1763	1800	1826	1842	1843
40.0	1243	1225	1235	1249	1271	1313	1298	1343	1390	1458	1560	1582	1634	1681	1720	1743	1749
42.5	1100	1096	1107	1120	1140	1169	1166	1209	1252	1314	1416	1445	1502	1558	1607	1634	1633
45.0	966	978	987	1000	1019	1035	1043	1083	1122	1179	1273	1312	1369	1426	1485	1520	1523
47.5	851	866	871	889	907	915	934	961	1000	1054	1132	1172	1230	1304	1357	1400	1399
50.0	749	762	774	786	803	806	825	858	890	932	1005	1046	1107	1167	1227	1274	1278
52.5	659	671	681	692	707	709	728	760	788	826	886	929	984	1043	1100	1146	1156
55.0	578	590	596	605	620	620	637	665	691	729	775	822	868	921	973	1020	1029
57.5	510	516	522	528	541	541	556	580	603	637	676	720	762	812	860	897	912
60.0	448	451	459	464	474	476	486	508	527	552	587	627	667	706	749	784	796
62.5	392	396	398	404	411	412	423	437	457	477	503	538	573	612	649	678	686
65.0	342	346	346	352	357	358	366	377	392	409	430	459	490	523	554	578	583
67.5	297	298	299	303	309	310	315	322	334	346	366	386	416	441	467	486	494
70.0	254	255	255	258	261	264	267	273	282	291	306	320	345	366	386	403	409
72.5	212	213	214	215	219	219	220	226	231	240	251	265	278	296	312	326	331
75.0	174	175	177	177	178	179	180	186	189	195	201	213	221	232	247	257	263
77.5	139	138	141	141	142	142	143	148	149	152	157	162	171	178	187	193	197
80.0	105	105	105	106	106	109	109	110	113	114	117	120	127	130	136	140	142
82.5	76	76	76	77	77	78	78	78	80	81	82	85	86	90	93	95	95
85.0	49	47	49	49	49	50	49	51	50	51	53	54	54	54	56	56	59
87.5	25	22	23	22	22	24	23	23	23	24	26	25	25	25	26	26	26
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 acylic prised lens
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CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	2429	2429	2429	2429
2.5	2415	2412	2422	2437
5.0	2412	2408	2416	2429
7.5	2405	2398	2405	2417
10.0	2394	2384	2389	2399
12.5	2375	2364	2366	2376
15.0	2351	2339	2339	2348
17.5	2323	2309	2307	2314
20.0	2289	2273	2270	2273
22.5	2245	2229	2223	2228
25.0	2199	2180	2172	2179
27.5	2144	2124	2118	2121
30.0	2081	2060	2053	2052
32.5	2007	1992	1984	1986
35.0	1933	1915	1907	1907
37.5	1842	1829	1820	1823
40.0	1751	1743	1731	1732
42.5	1644	1642	1635	1636
45.0	1541	1534	1532	1534
47.5	1421	1428	1426	1429
50.0	1304	1309	1311	1316
52.5	1187	1192	1197	1203
55.0	1062	1074	1080	1087
57.5	943	961	963	971
60.0	830	843	853	859
62.5	719	733	736	738
65.0	616	625	635	636
67.5	518	531	535	543
70.0	427	439	447	450
72.5	342	355	358	360
75.0	271	279	285	285
77.5	205	209	217	217
80.0	146	151	156	156
82.5	100	100	102	102
85.0	58	59	60	62
87.5	26	28	28	29
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	18	20	25	34	16	19	24	32
20 30	15	17	18	23	14	15	17	22
20 40	15	15	16	19	14	14	14	17
20 60	15	15	15	17	13	14	13	15
30 20	19	21	25	32	18	20	24	31
30 30	17	17	18	22	16	16	17	21
30 40	16	16	16	18	15	15	14	16
30 60	15	15	15	16	14	14	13	14
30 80	16	16	14	15	15	14	13	14
40 20	21	23	26	32	21	22	25	31
40 30	18	19	19	22	17	18	18	21
40 40	17	17	16	18	16	16	15	16
40 60	17	16	15	16	16	15	14	14
40 80	17	16	15	15	16	15	13	14
40 100	17	17	15	15	16	16	14	14
60 30	20	20	20	23	19	20	19	22
60 40	19	18	17	18	18	17	16	17
60 60	18	17	15	16	17	16	14	15
60 80	18	17	15	15	17	16	14	14
60 100	18	17	15	15	17	17	14	14
100 40	22	22	20	21	22	21	19	20
100 60	21	20	18	18	20	19	17	17
100 80	21	20	17	17	20	19	16	16
100 100	21	20	17	17	20	19	16	16

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES