

LUMINAIRE: CWW4-30MLG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
BALLAST: XI054C150V054DNT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 5037
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 #16.01160
 DATE: 6/7/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 102

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.38
BASED ON 3000 HRS. AND \$.08 PER KWH

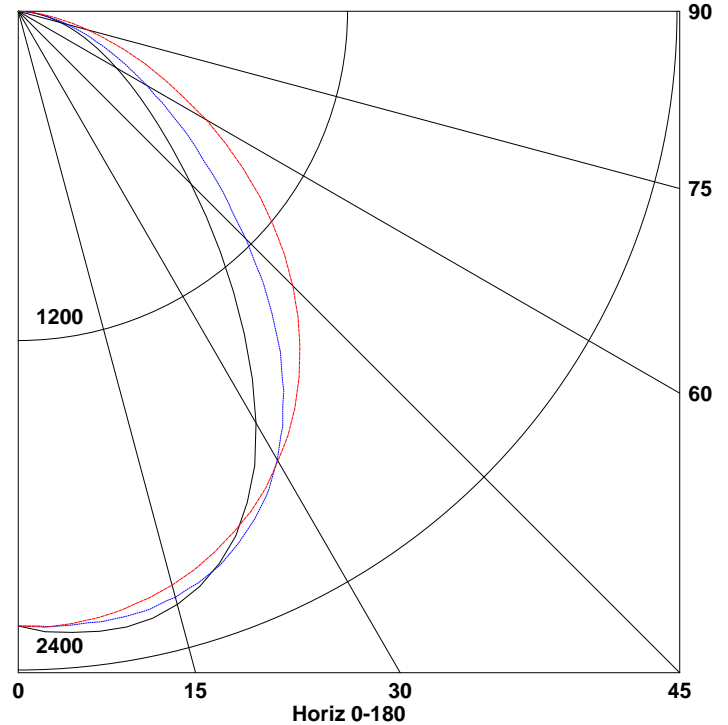
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1757	34.9	34.9
0-40	2768	55.0	55.0
0-60	4338	86.1	86.1
0-90	5037	100.0	100.0
0-180	5037	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	24592	24592	24592	24592	24592	24592
30	21967	21814	22930	24199	24440	23983
40	16431	16790	18367	21593	23113	22884
45	13825	14586	16061	19603	21809	21964
50	11790	12645	14012	17429	20129	20727
55	10207	10934	12198	15319	18154	19188
60	9072	9600	10676	13510	16124	17398
65	8187	8551	9382	11747	13956	15230
70	7515	7739	8350	10212	12107	13327
75	6790	6960	7384	8657	10270	11161
80	6136	6199	6578	7401	8286	9108
85	5671	5671	5797	6301	6805	7184

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 180.0

COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	80%				70%				50%				30%				10%	
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	89	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	72	67	74	70	66	64
R	4	86	75	67	84	74	66	60	71	65	60	69	63	59	67	62	58	56
C	5	80	68	59	78	67	59	53	64	58	52	63	57	52	61	56	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	50	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: CWW4-30MLG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens

TEST #16.01160
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	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239	2239
2.5	2262	2276	2272	2264	2256	2241	2247	2248	2263	2257	2243	2247	2247	2244	2237	2229	2231
5.0	2271	2291	2286	2278	2268	2246	2259	2259	2272	2266	2244	2253	2250	2246	2238	2225	2229
7.5	2278	2298*	2292	2285	2274	2250	2265	2264	2276	2271	2244	2255	2250	2244	2234	2217	2225
10.0	2277	2294	2286	2279	2269	2248	2260	2260	2271	2269	2239	2250	2245	2237	2226	2206	2215
12.5	2264	2274	2269	2261	2251	2235	2243	2245	2255	2257	2229	2238	2232	2225	2213	2190	2200
15.0	2237	2242	2236	2232	2223	2211	2216	2219	2230	2235	2210	2218	2211	2207	2194	2172	2182
17.5	2197	2196	2190	2187	2180	2174	2176	2180	2194	2203	2183	2189	2183	2181	2169	2147	2156
20.0	2141	2133	2126	2126	2122	2125	2122	2127	2146	2158	2147	2150	2150	2147	2136	2116	2123
22.5	2069	2052	2047	2049	2048	2061	2053	2062	2082	2102	2097	2103	2101	2105	2098	2079	2086
25.0	1974	1946	1943	1949	1953	1980	1963	1979	2004	2027	2040	2042	2049	2052	2048	2034	2039
27.5	1866	1825	1829	1835	1848	1885	1859	1882	1913	1941	1971	1971	1985	1992	1992	1982	1989
30.0	1732	1691	1692	1706	1720	1768	1742	1765	1808	1843	1887	1890	1908	1924	1929	1925	1927
32.5	1587	1541	1555	1566	1584	1638	1605	1643	1683	1725	1793	1795	1823	1842	1854	1855	1858
35.0	1436	1395	1411	1424	1444	1498	1468	1511	1554	1600	1687	1696	1727	1753	1779	1783	1788
37.5	1288	1258	1262	1281	1302	1356	1332	1370	1420	1471	1569	1572	1625	1659	1683	1698	1699
40.0	1146	1129	1138	1151	1171	1210	1196	1238	1281	1344	1438	1458	1506	1549	1585	1606	1612
42.5	1014	1010	1020	1032	1051	1077	1075	1114	1154	1211	1305	1332	1384	1436	1481	1506	1505
45.0	890	901	910	922	939	954	961	998	1034	1087	1173	1209	1262	1314	1369	1401	1404
47.5	784	798	803	819	836	843	861	886	922	971	1043	1080	1134	1202	1251	1290	1289
50.0	690	702	713	724	740	743	760	791	820	859	926	964	1020	1076	1131	1174	1178
52.5	607	618	628	638	652	653	671	700	726	761	817	856	907	961	1014	1056	1065
55.0	533	544	549	558	571	571	587	613	637	672	714	758	800	849	897	940	948
57.5	470	476	481	487	499	499	512	535	556	587	623	664	702	748	793	827	841
60.0	413	416	423	428	437	439	448	468	486	509	541	578	615	651	690	723	734
62.5	361	365	367	372	379	380	390	403	421	440	464	496	528	564	598	625	632
65.0	315	319	319	324	329	330	337	347	361	377	396	423	452	482	511	533	537
67.5	274	275	276	279	285	286	290	297	308	319	337	356	383	406	430	448	455
70.0	234	235	235	238	241	243	246	252	260	268	282	295	318	337	356	371	377
72.5	195	196	197	198	202	202	203	208	213	221	231	244	256	273	288	300	305
75.0	160	161	163	163	164	165	166	171	174	180	185	196	204	214	228	237	242
77.5	128	127	130	130	131	131	132	136	137	140	145	149	158	164	172	178	182
80.0	97	97	97	98	98	100	100	101	104	105	108	111	117	120	125	129	131
82.5	70	70	70	71	71	72	72	72	74	75	76	78	79	83	86	88	88
85.0	45	43	45	45	45	46	45	47	46	47	49	50	50	50	52	52	54
87.5	23	20	21	20	20	22	21	21	21	22	24	23	23	23	24	24	24
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	2239	2239	2239	2239
2.5	2226	2223	2232	2246
5.0	2223	2219	2227	2239
7.5	2217	2210	2217	2228
10.0	2206	2197	2202	2211
12.5	2189	2179	2181	2190
15.0	2167	2156	2156	2164
17.5	2141	2128	2126	2133
20.0	2110	2095	2092	2095
22.5	2069	2054	2049	2053
25.0	2027	2009	2002	2008
27.5	1976	1958	1952	1955
30.0	1918	1899	1892	1891
32.5	1850	1836	1829	1830
35.0	1782	1765	1758	1758
37.5	1698	1686	1677	1680
40.0	1614	1606	1595	1596
42.5	1515	1513	1507	1508
45.0	1420	1414	1412	1414
47.5	1310	1316	1314	1317
50.0	1202	1206	1208	1213
52.5	1094	1099	1103	1109
55.0	979	990	995	1002
57.5	869	886	888	895
60.0	765	777	786	792
62.5	663	676	678	680
65.0	568	576	585	586
67.5	477	489	493	500
70.0	394	405	412	415
72.5	315	327	330	332
75.0	250	257	263	263
77.5	189	193	200	200
80.0	135	139	144	144
82.5	92	92	94	94
85.0	53	54	55	57
87.5	24	26	26	27
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	19	22	27	36	18	20	26	35
20 30	17	18	20	25	15	16	18	23
20 40	16	17	18	20	15	15	16	18
20 60	16	16	16	18	15	15	15	16
30 20	21	23	27	34	20	22	25	33
30 30	18	19	19	24	17	17	18	23
30 40	17	17	17	19	16	16	16	17
30 60	17	17	16	17	16	15	14	15
30 80	17	17	16	17	16	16	14	15
40 20	23	25	28	34	22	24	27	33
40 30	20	20	20	24	19	19	19	23
40 40	19	18	18	19	18	17	16	18
40 60	18	18	16	17	17	16	15	16
40 80	18	18	16	17	17	17	15	15
40 100	19	18	16	17	18	17	15	15
60 30	21	22	21	25	21	21	20	24
60 40	20	20	18	20	19	19	17	19
60 60	19	18	17	17	18	18	16	16
60 80	19	18	16	17	18	18	15	15
60 100	19	19	16	16	18	18	15	15
100 40	24	23	21	22	23	22	20	22
100 60	22	21	19	19	22	21	18	18
100 80	22	21	18	18	21	20	17	17
100 100	22	21	18	18	21	20	17	17

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES