

LUMINAIRE: CWW4-35MLG-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: 5122
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 #16280

DATE: 6/3/2016

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 = \$2.35

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

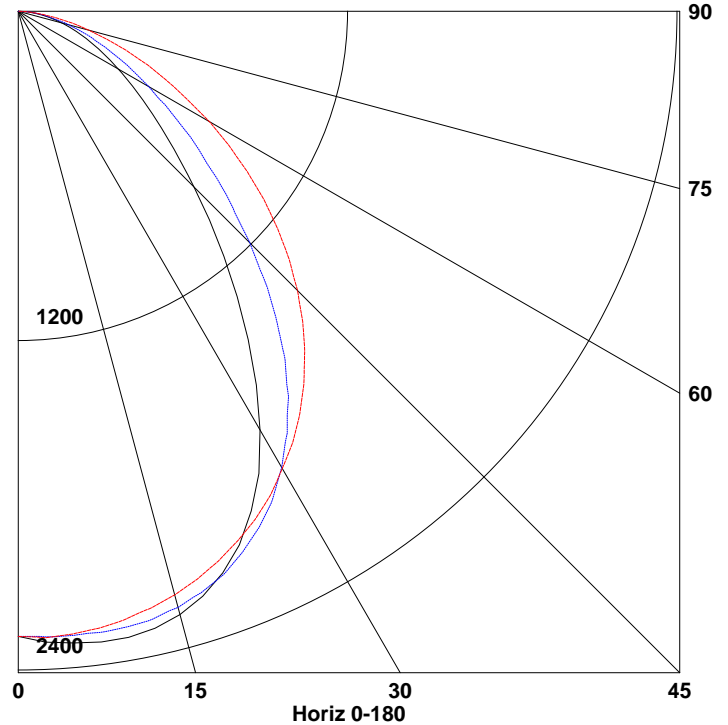
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1787	34.9	34.9
0-40	2815	55.0	55.0
0-60	4412	86.1	86.1
0-90	5122	100.0	100.0
0-180	5122	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	25010	25010	25010	25010	25010	25010
30	22334	22182	23324	24605	24858	24389
40	16704	17077	18683	21966	23500	23271
45	14058	14834	16341	19929	22181	22337
50	11995	12867	14251	17720	20471	21086
55	10379	11126	12409	15588	18460	19513
60	9226	9753	10852	13730	16388	17684
65	8317	8706	9538	11955	14190	15490
70	7643	7868	8478	10373	12300	13552
75	6917	7087	7511	8785	10440	11331
80	6262	6325	6705	7527	8413	9235
85	5797	5797	5923	6427	6932	7310

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	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	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: _____

LUMINAIRE: CWW4-35MLG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens
Scaled from Test#16.01160

TEST #16280
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	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277
2.5	2300	2315	2311	2302	2294	2279	2285	2286	2301	2295	2281	2285	2285	2282	2275	2267	2269
5.0	2310	2330	2325	2317	2307	2284	2297	2297	2311	2305	2282	2291	2288	2284	2276	2263	2267
7.5	2317	2337*	2331	2324	2313	2288	2304	2302	2315	2310	2282	2293	2288	2282	2272	2255	2263
10.0	2316	2333	2325	2318	2308	2286	2298	2298	2310	2308	2277	2288	2283	2275	2264	2244	2253
12.5	2302	2313	2308	2299	2289	2273	2281	2283	2293	2295	2267	2276	2270	2263	2251	2227	2237
15.0	2275	2280	2274	2270	2261	2249	2254	2257	2268	2273	2248	2256	2249	2245	2231	2209	2219
17.5	2234	2233	2227	2224	2217	2211	2213	2217	2231	2240	2220	2226	2220	2218	2206	2184	2193
20.0	2177	2169	2162	2162	2158	2161	2158	2163	2182	2195	2184	2187	2187	2184	2172	2152	2159
22.5	2104	2087	2082	2084	2083	2096	2088	2097	2117	2138	2133	2139	2137	2141	2134	2114	2121
25.0	2008	1979	1976	1982	1986	2014	1996	2013	2038	2061	2075	2077	2084	2087	2083	2069	2074
27.5	1898	1856	1860	1866	1879	1917	1891	1914	1946	1974	2005	2005	2019	2026	2026	2016	2023
30.0	1761	1720	1721	1735	1749	1798	1772	1795	1839	1874	1919	1922	1940	1957	1962	1958	1960
32.5	1614	1567	1581	1593	1611	1666	1632	1671	1712	1754	1823	1826	1854	1873	1886	1887	1890
35.0	1460	1419	1435	1448	1469	1523	1493	1537	1580	1627	1716	1725	1756	1783	1809	1813	1818
37.5	1310	1279	1283	1303	1324	1379	1355	1393	1444	1496	1596	1599	1653	1687	1712	1727	1728
40.0	1165	1148	1157	1171	1191	1231	1216	1259	1303	1367	1462	1483	1532	1575	1612	1633	1639
42.5	1031	1027	1037	1050	1069	1095	1093	1133	1174	1232	1327	1355	1408	1460	1506	1532	1531
45.0	905	916	925	938	955	970	977	1015	1052	1105	1193	1230	1283	1336	1392	1425	1428
47.5	797	812	817	833	850	857	876	901	938	988	1061	1098	1153	1222	1272	1312	1311
50.0	702	714	725	736	753	756	773	804	834	874	942	980	1037	1094	1150	1194	1198
52.5	617	629	639	649	663	664	682	712	738	774	831	871	922	977	1031	1074	1083
55.0	542	553	558	567	581	581	597	623	648	683	726	771	814	863	912	956	964
57.5	478	484	489	495	507	507	521	544	565	597	634	675	714	761	806	841	855
60.0	420	423	430	435	444	446	456	476	494	518	550	588	625	662	702	735	746
62.5	367	371	373	378	385	386	397	410	428	447	472	504	537	574	608	636	643
65.0	320	324	324	330	335	336	343	353	367	383	403	430	460	490	520	542	546
67.5	279	280	281	284	290	291	295	302	313	324	343	362	390	413	437	456	463
70.0	238	239	239	242	245	247	250	256	264	273	287	300	323	343	362	377	383
72.5	198	199	200	201	205	205	206	212	217	225	235	248	260	278	293	305	310
75.0	163	164	166	166	167	168	169	174	177	183	188	199	207	218	232	241	246
77.5	130	129	132	132	133	133	134	138	139	142	147	152	161	167	175	181	185
80.0	99	99	99	100	100	102	102	103	106	107	110	113	119	122	127	131	133
82.5	71	71	71	72	72	73	73	73	75	76	77	79	80	84	87	90	90
85.0	46	44	46	46	46	47	46	48	47	48	50	51	51	51	53	53	55
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



LUMINAIRE: CWW4-35MLG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prised lens
Scaled from Test#16.01160

TEST #16280
DATE: 6/3/2016

CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	2277	2277	2277	2277
2.5	2264	2261	2270	2284
5.0	2261	2257	2265	2277
7.5	2255	2248	2255	2266
10.0	2244	2234	2239	2249
12.5	2226	2216	2218	2227
15.0	2204	2193	2193	2201
17.5	2177	2164	2162	2169
20.0	2146	2131	2128	2131
22.5	2104	2089	2084	2088
25.0	2061	2043	2036	2042
27.5	2010	1991	1985	1988
30.0	1951	1931	1924	1923
32.5	1881	1867	1860	1861
35.0	1812	1795	1788	1788
37.5	1727	1715	1706	1709
40.0	1641	1633	1622	1623
42.5	1541	1539	1533	1534
45.0	1444	1438	1436	1438
47.5	1332	1338	1336	1339
50.0	1222	1227	1229	1234
52.5	1113	1118	1122	1128
55.0	996	1007	1012	1019
57.5	884	901	903	910
60.0	778	790	799	805
62.5	674	687	690	692
65.0	578	586	595	596
67.5	485	497	501	509
70.0	401	412	419	422
72.5	320	333	336	338
75.0	254	261	267	267
77.5	192	196	203	203
80.0	137	141	146	146
82.5	94	94	96	96
85.0	54	55	56	58
87.5	24	26	26	27
90.0	0	0	0	0



LUMINAIRE: CWW4-35MLG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acrylic prisms lens
Scaled from Test#16.01160

TEST #16280
DATE: 6/3/2016

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	21	27	36	18	20	25	34
20 30	17	18	20	25	15	16	18	23
20 40	16	16	17	20	15	15	15	18
20 60	16	16	16	18	14	15	14	16
30 20	20	22	26	34	19	21	25	33
30 30	18	18	19	24	17	17	18	22
30 40	17	17	17	19	16	16	15	17
30 60	16	16	16	17	15	15	14	15
30 80	17	17	15	16	16	15	14	15
40 20	23	24	27	33	22	24	26	33
40 30	19	20	20	24	19	19	19	23
40 40	18	18	17	19	17	17	16	18
40 60	18	17	16	17	17	16	15	15
40 80	18	17	16	16	17	16	14	15
40 100	18	18	16	16	17	17	15	15
60 30	21	21	21	24	20	21	20	23
60 40	20	19	18	19	19	19	17	18
60 60	19	18	16	17	18	17	15	16
60 80	19	18	16	16	18	17	15	15
60 100	19	18	16	16	18	18	15	15
100 40	24	23	21	22	23	22	20	21
100 60	22	21	19	19	21	20	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