

LUMINAIRE: CWW4-50LWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01159
BALLAST: XI054C150V054DNT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 4649
WATTS: 40.00
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.14 90° = 1.25
LUMINOUS OPENING IN FEET
 LENGTH: 3.92
 WIDTH: 0.25
 HEIGHT: 0.00

TEST #16279

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 116

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.07

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

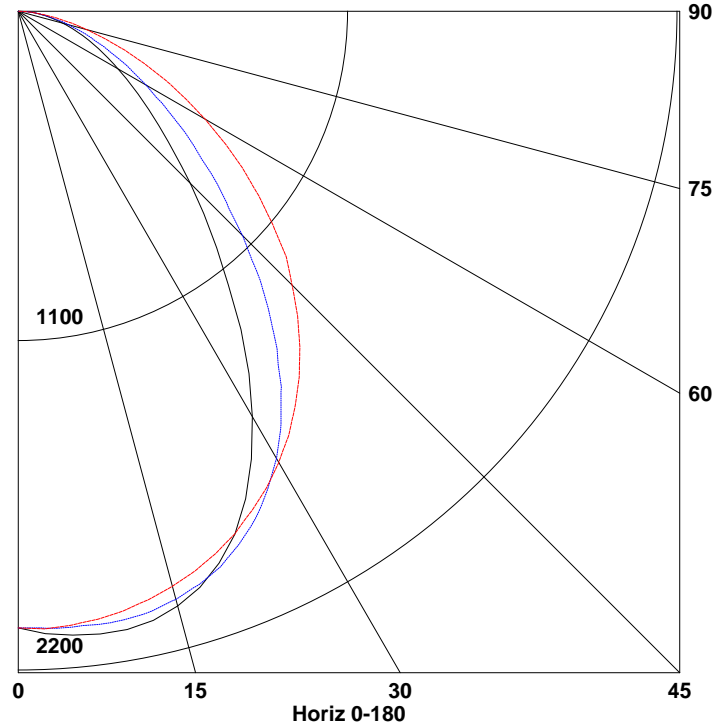
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1615	34.7	34.7
0-40	2541	54.7	54.7
0-60	3988	85.8	85.8
0-90	4649	100.0	100.0
0-180	4649	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	22615	22615	22615	22615	22615	22615
30	19823	19963	20990	22246	22448	22068
40	14783	15542	16876	19715	21192	20977
45	12613	13685	14896	17972	20022	20084
50	10816	11944	13140	15994	18420	18967
55	9441	10360	11509	14113	16583	17522
60	8501	9248	10149	12499	14740	15860
65	7693	8265	8966	10916	12891	14034
70	7065	7450	8029	9538	11144	12107
75	6578	6875	7214	8190	9336	10058
80	6199	6452	6578	7148	7780	8223
85	6301	6679	6805	6679	6553	6427

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	96	94	95	93	91	92	90	88	86	
2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74	
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64	
R	4	86	75	67	61	84	73	66	60	71	65	59	69	63	59	67	62	58	56
C	5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49
R	6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
	7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39
	8	64	51	43	38	63	51	43	38	49	42	37	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	56	44	36	31	55	43	36	31	42	36	31	41	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: CWW4-50LWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acylic prisms lens
Scaled from Test#16.01159

TEST #16279
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	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059
2.5	2080	2089	2084	2078	2070	2060	2063	2064	2077	2072	2062	2064	2063	2060	2054	2050	2048
5.0	2091	2103	2097	2091	2081	2067	2073	2073	2085	2080	2064	2067	2065	2060	2053	2045	2046
7.5	2097	2113*	2106	2098	2089	2072	2080	2080	2090	2085	2065	2069	2065	2059	2050	2039	2041
10.0	2096	2111	2105	2098	2088	2070	2080	2079	2088	2085	2062	2066	2060	2053	2043	2029	2032
12.5	2083	2097	2091	2084	2075	2056	2067	2068	2077	2077	2052	2056	2050	2042	2031	2016	2019
15.0	2056	2070	2063	2056	2048	2032	2042	2046	2055	2057	2033	2040	2033	2026	2014	1997	2001
17.5	2017	2027	2021	2016	2009	1996	2005	2012	2024	2030	2007	2016	2011	2004	1992	1975	1978
20.0	1961	1964	1963	1960	1956	1949	1957	1965	1977	1990	1974	1981	1977	1975	1964	1946	1951
22.5	1890	1886	1882	1882	1884	1886	1889	1900	1919	1935	1926	1939	1937	1937	1927	1912	1915
25.0	1796	1787	1787	1789	1795	1808	1805	1821	1842	1869	1871	1881	1886	1889	1884	1869	1876
27.5	1686	1672	1673	1679	1689	1714	1706	1726	1753	1787	1802	1814	1826	1834	1833	1824	1828
30.0	1563	1543	1552	1560	1574	1599	1591	1621	1655	1690	1724	1739	1754	1771	1773	1769	1770
32.5	1434	1412	1416	1432	1448	1479	1469	1498	1541	1583	1633	1648	1673	1694	1706	1706	1709
35.0	1297	1284	1293	1304	1324	1350	1344	1376	1421	1468	1531	1548	1582	1610	1634	1638	1645
37.5	1152	1164	1170	1180	1199	1218	1225	1256	1297	1350	1419	1438	1485	1526	1546	1559	1562
40.0	1031	1051	1057	1067	1084	1089	1105	1134	1177	1225	1300	1333	1375	1414	1452	1471	1478
42.5	917	944	954	963	980	972	999	1025	1064	1111	1179	1214	1263	1316	1357	1379	1380
45.0	812	845	854	865	881	864	899	924	959	1001	1059	1100	1157	1200	1251	1280	1289
47.5	713	752	756	770	783	763	805	832	860	901	942	995	1039	1102	1139	1173	1175
50.0	633	664	673	684	699	676	716	739	769	804	839	888	936	983	1042	1072	1078
52.5	559	587	591	603	617	596	634	655	684	715	741	793	833	882	930	965	975
55.0	493	516	522	529	541	523	557	576	601	629	649	700	737	782	826	855	866
57.5	436	455	460	467	476	460	488	507	526	552	567	618	651	685	730	753	764
60.0	387	403	405	411	421	406	430	443	462	483	492	539	569	600	637	660	671
62.5	337	352	356	359	366	355	373	386	399	417	425	464	489	521	551	566	582
65.0	296	307	310	312	318	309	324	335	345	359	363	398	420	446	471	484	496
67.5	256	266	268	270	275	268	281	288	295	308	310	335	357	377	397	409	419
70.0	220	227	227	229	232	228	238	242	250	260	260	281	297	314	330	340	347
72.5	186	191	191	193	195	191	197	202	207	214	215	231	242	255	268	272	279
75.0	155	157	160	160	162	158	163	166	170	175	175	188	193	201	213	215	220
77.5	126	128	128	130	131	128	132	133	135	139	138	144	151	155	162	165	169
80.0	98	101	101	101	102	100	103	104	104	106	104	110	113	116	118	120	123
82.5	73	76	76	77	76	74	77	77	78	78	75	80	80	82	82	81	82
85.0	50	52	53	53	53	50	53	53	54	54	51	54	53	52	53	51	52
87.5	28	28	28	28	29	27	28	29	29	29	27	30	29	28	28	26	27
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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CWW Contemporary Wallwash, Recessed Architectural
3" x 48" led with frosted acrylic prisms lens
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DATE: 6/3/2016

CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	2059	2059	2059	2059
2.5	2045	2042	2051	2064
5.0	2042	2038	2045	2057
7.5	2035	2030	2035	2047
10.0	2025	2018	2024	2032
12.5	2009	2001	2003	2012
15.0	1990	1979	1980	1988
17.5	1966	1953	1952	1960
20.0	1936	1923	1922	1927
22.5	1901	1887	1881	1889
25.0	1859	1843	1839	1842
27.5	1813	1796	1791	1794
30.0	1759	1745	1737	1740
32.5	1698	1683	1677	1680
35.0	1636	1621	1611	1611
37.5	1559	1546	1541	1541
40.0	1485	1471	1463	1463
42.5	1393	1386	1380	1381
45.0	1301	1299	1293	1293
47.5	1200	1208	1204	1214
50.0	1098	1106	1106	1110
52.5	1001	1003	1010	1013
55.0	896	908	910	915
57.5	799	808	812	816
60.0	700	707	717	722
62.5	601	613	622	627
65.0	514	528	537	540
67.5	436	445	452	455
70.0	361	369	375	377
72.5	291	298	301	302
75.0	229	235	238	237
77.5	173	177	182	181
80.0	125	126	131	130
82.5	84	86	86	88
85.0	51	51	51	51
87.5	26	25	24	24
90.0	0	0	0	0



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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	21	24	30	39	19	22	28	37
20 30	18	19	22	27	17	18	20	25
20 40	17	18	19	22	16	17	17	20
20 60	17	17	18	19	16	16	16	18
30 20	22	25	29	37	21	24	27	36
30 30	19	20	21	26	18	19	20	24
30 40	18	18	18	21	17	17	17	19
30 60	17	18	17	18	17	17	16	17
30 80	18	18	17	18	17	17	15	16
40 20	25	27	30	36	24	26	29	36
40 30	21	22	22	26	20	21	21	25
40 40	20	20	19	21	19	19	18	19
40 60	19	19	17	18	18	18	16	17
40 80	19	19	17	18	18	18	16	16
40 100	19	19	17	18	19	18	16	16
60 30	23	23	23	26	22	23	22	26
60 40	21	21	20	21	20	20	19	20
60 60	20	20	18	18	19	19	17	17
60 80	19	19	17	18	19	19	16	17
60 100	20	19	17	18	19	19	16	17
100 40	25	25	23	24	24	24	22	23
100 60	23	23	20	21	23	22	19	20
100 80	22	22	19	19	22	21	19	19
100 100	22	21	19	19	22	21	18	18

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES