

**LUMINAIRE:** CWW2-30MWG-2WW-EDU  
 CWW Contemporary Wallwash, Recessed Architectural  
 3" x 24" led with frosted acrylic prisms lens  
**BALLAST:** XI040C110V054BPT1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 1908  
**WATTS:** 20.30  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.15 90° = 1.25  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.25  
 WIDTH: 1.92  
 HEIGHT: 0.00

TEST #16.01147  
 DATE: 6/7/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 94**

**ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.53**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

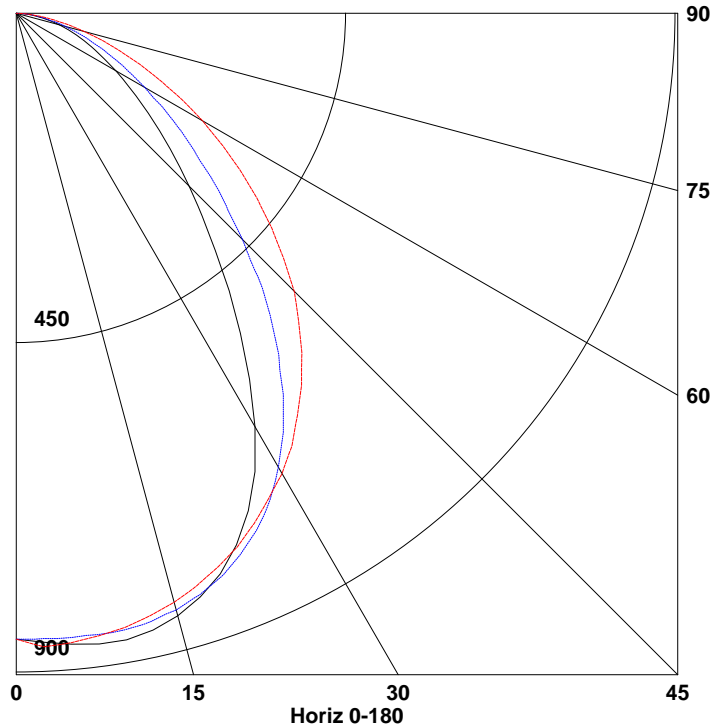
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	669	35.1	35.1
0-40	1055	55.3	55.3
0-60	1648	86.4	86.4
0-90	1908	100.0	100.0
0-180	1908	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	19173	19173	19173	19173	19173	19173
30	16883	17349	18048	18903	18825	18799
40	12383	12997	14520	17008	17857	17769
45	10592	11068	12495	15444	16935	17030
50	9140	9559	10780	13571	15629	15874
55	7898	8288	9383	11807	14114	14583
60	7041	7311	8163	10271	12379	13186
65	6314	6527	7110	8914	10612	11514
70	5770	5835	6294	7737	9179	9901
75	5285	5285	5632	6585	7798	8318
80	4649	4649	4907	5553	6199	6715
85	4374	4374	4374	4632	4889	5146

**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	100
1	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	68	74	70	66	64
R	4	86	75	67	84	74	66	61	71	65	60	69	64	59	67	62	58	56
C	5	80	68	59	78	67	59	53	65	58	53	63	57	52	61	56	51	49
R	6	74	62	53	72	61	53	47	59	52	47	57	51	46	56	50	46	44
	7	69	56	48	67	55	48	42	54	47	42	53	46	42	51	46	41	39
	8	64	52	44	63	51	43	38	50	43	38	48	42	38	47	42	37	36
	9	60	48	40	59	47	40	34	46	39	34	45	39	34	44	38	34	32
	10	57	44	37	55	44	36	31	43	36	31	42	36	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:** CWW2-30MWG-2WW-EDU  
CWW Contemporary Wallwash, Recessed Architectural  
3" x 24" led with frosted acylic prisms lens

TEST #16.01147  
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	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855	855
2.5	860	857	857	857	856	859	856	855	854	853	855	853	852	852	849	849	846
5.0	865	859	859	858	858	862	857	855	854	852	856	851	851	849	846	847	843
7.5	869*	863	862	860	860	864	858	857	855	853	856	850	849	847	843	844	839
10.0	869	863	862	861	859	864	858	856	855	853	855	849	847	844	839	841	835
12.5	863	858	856	855	854	858	853	852	850	848	851	844	842	839	833	835	828
15.0	852	848	846	846	845	849	844	844	842	842	844	838	836	832	826	828	820
17.5	836	833	832	831	831	834	831	831	830	830	833	828	826	823	817	818	811
20.0	815	813	812	812	812	815	813	814	814	815	819	816	814	811	806	807	798
22.5	786	787	786	787	788	790	790	793	794	796	800	799	799	796	792	792	785
25.0	750	751	751	753	757	758	760	764	769	773	778	778	779	779	775	776	769
27.5	706	706	710	713	718	718	724	729	738	742	750	753	756	758	754	756	750
30.0	652	655	660	663	670	672	678	689	697	708	716	725	730	732	732	733	727
32.5	593	599	600	607	616	620	627	642	654	667	679	689	698	704	706	709	705
35.0	534	539	540	548	559	564	572	590	605	621	636	650	664	674	678	680	676
37.5	478	476	483	489	502	506	516	531	553	570	589	609	626	636	641	645	643
40.0	423	423	427	435	444	453	458	478	496	519	540	565	581	595	605	610	610
42.5	376	375	377	386	394	403	406	426	443	467	489	514	535	554	567	570	572
45.0	334	332	334	340	349	359	361	377	394	416	437	461	487	507	522	529	534
47.5	295	293	296	302	309	317	320	333	347	367	389	416	437	459	479	485	490
50.0	262	261	263	268	274	281	283	293	309	325	346	365	389	415	433	441	448
52.5	231	230	232	236	242	248	250	258	272	286	305	322	343	368	390	397	405
55.0	202	201	203	207	212	216	219	227	240	250	268	283	302	323	342	354	361
57.5	178	178	178	181	186	190	191	200	208	219	235	247	263	284	301	309	317
60.0	157	155	157	160	163	165	168	173	182	190	203	214	229	246	263	271	276
62.5	136	136	137	139	141	144	145	150	156	164	174	185	197	209	224	231	237
65.0	119	118	119	121	123	125	126	129	134	141	149	158	168	179	190	196	200
67.5	103	102	103	104	106	107	108	110	115	120	127	134	142	150	160	165	169
70.0	88	87	88	88	89	91	91	93	96	100	106	112	118	124	133	137	140
72.5	74	73	73	74	75	76	76	78	80	83	87	90	95	102	108	111	113
75.0	61	60	60	61	61	62	62	63	65	66	70	72	76	81	84	88	90
77.5	48	47	48	48	48	49	49	50	51	52	54	56	59	62	65	66	68
80.0	36	36	36	36	36	37	37	37	38	39	40	41	43	45	46	48	48
82.5	26	26	26	26	26	27	26	27	27	27	28	29	30	30	31	32	32
85.0	17	16	16	16	17	17	17	17	17	17	18	17	18	19	19	19	19
87.5	8	8	7	8	8	8	8	8	8	9	9	8	8	9	9	9	9
90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE

**LUMINAIRE:** CWW2-30MWG-2WW-EDU  
CWW Contemporary Wallwash, Recessed Architectural  
3" x 24" led with frosted acrylic prisms lens

TEST #16.01147  
DATE: 6/7/2016

**CANDELA VALUES**

ANGLE	75.0	80.0	85.0	90.0
0.0	855	855	855	855
2.5	846	848	856	866
5.0	842	845	853	863
7.5	838	840	848	858
10.0	833	835	842	852
12.5	826	827	833	843
15.0	817	817	824	833
17.5	807	805	811	820
20.0	794	793	798	805
22.5	780	778	783	789
25.0	763	760	763	769
27.5	744	740	742	747
30.0	722	719	720	726
32.5	700	695	695	701
35.0	671	666	664	670
37.5	640	637	637	640
40.0	611	606	603	607
42.5	574	571	567	571
45.0	539	537	533	537
47.5	496	497	494	495
50.0	457	460	457	455
52.5	413	417	415	414
55.0	371	374	373	373
57.5	329	335	333	332
60.0	286	293	295	294
62.5	247	254	256	255
65.0	210	217	218	217
67.5	176	181	183	183
70.0	146	149	152	151
72.5	118	121	122	123
75.0	92	94	96	96
77.5	70	72	73	73
80.0	49	51	52	52
82.5	33	34	34	35
85.0	19	19	20	20
87.5	9	9	9	10
90.0	0	0	0	0



**LUMINAIRE:** CWW2-30MWG-2WW-EDU  
CWW Contemporary Wallwash, Recessed Architectural  
3" x 24" led with frosted acrylic prisms lens

TEST #16.01147  
DATE: 6/7/2016

**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	25	28	34	44	23	26	32	42
20 30	22	23	26	32	21	22	24	30
20 40	22	22	23	26	20	20	21	24
20 60	21	22	22	23	20	20	19	21
30 20	27	29	33	41	25	28	32	40
30 30	23	24	25	30	22	23	23	28
30 40	22	22	22	24	21	21	21	23
30 60	22	22	21	22	20	20	19	20
30 80	22	22	20	22	21	21	19	20
40 20	29	31	34	41	28	30	33	40
40 30	25	26	26	30	24	25	25	29
40 40	24	24	23	24	23	22	21	23
40 60	23	23	21	22	22	21	20	20
40 80	23	23	21	21	22	22	19	20
40 100	24	23	21	21	23	22	20	20
60 30	27	28	27	31	26	27	26	30
60 40	26	25	24	25	25	24	22	24
60 60	24	24	22	22	23	23	20	21
60 80	24	24	21	21	23	23	20	20
60 100	25	24	21	21	24	23	20	20
100 40	30	29	27	28	29	28	26	27
100 60	28	27	24	24	27	26	23	23
100 80	28	27	23	23	27	26	22	22
100 100	28	26	23	23	27	25	22	22

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES