

**LUMINAIRE:** CWW2-50MWG-2WW-EDU  
 CWW Contemporary Wallwash, Recessed Architectural  
 3" x 24" led with frosted acrylic prisms lens  
 Scaled from Test#16.01147  
**BALLAST:** XI040C110V054BPT1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 2070  
**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 #16263  
 DATE: 6/3/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 102**

**ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.31**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

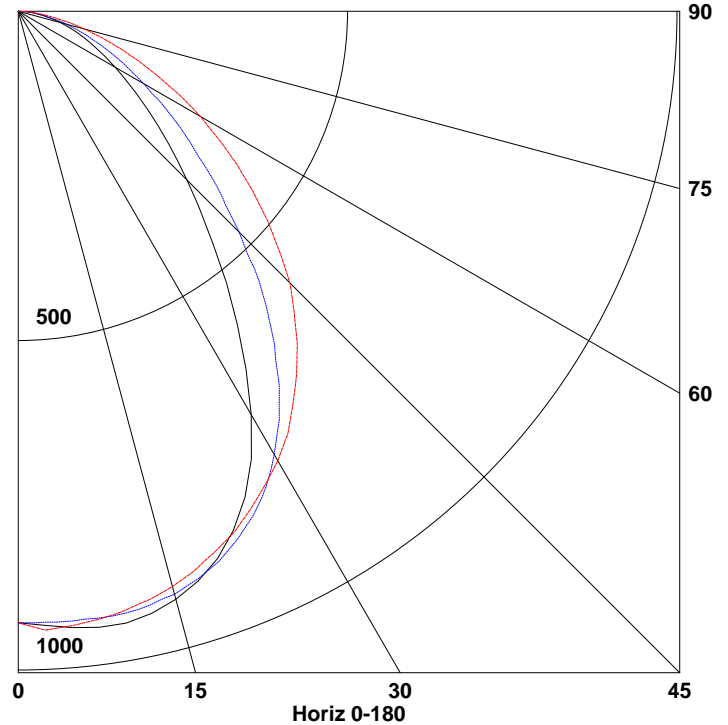
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	726	35.1	35.1
0-40	1145	55.3	55.3
0-60	1788	86.4	86.4
0-90	2070	100.0	100.0
0-180	2070	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	20810	20810	20810	20810	20810	20810
30	18307	18825	19576	20508	20430	20404
40	13437	14110	15749	18442	19379	19291
45	11480	12019	13542	16745	18362	18489
50	9908	10361	11687	14722	16955	17234
55	8562	8992	10165	12824	15326	15834
60	7624	7938	8835	11123	13410	14307
65	6845	7057	7694	9657	11514	12470
70	6229	6360	6819	8392	9966	10753
75	5718	5718	6152	7105	8491	9011
80	5037	5037	5295	6070	6715	7232
85	4632	4632	4632	5146	5403	5661

**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	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	71	91	82	75	70	79	73	69	77	72	68	74	70	66	64
R	4	86	75	67	61	84	74	66	61	71	65	69	64	59	67	62	58	56
C	5	80	68	59	53	78	67	59	53	65	58	63	57	52	61	56	51	49
R	6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46
	7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37
	9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34
	10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31

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:** CWW2-50MWG-2WW-EDU  
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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	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928
2.5	933	930	930	930	929	932	929	928	927	926	928	926	924	924	921	921	918
5.0	939	932	932	931	931	935	930	928	927	924	929	923	923	921	918	919	915
7.5	943*	936	935	933	933	937	931	930	928	926	929	922	921	919	915	916	910
10.0	943	936	935	934	932	937	931	929	928	926	928	921	919	916	910	912	906
12.5	936	931	929	928	927	931	926	924	922	920	923	916	914	910	904	906	898
15.0	924	920	918	918	917	921	916	916	914	914	916	909	907	903	896	898	890
17.5	907	904	903	902	902	905	902	902	901	901	904	898	896	893	886	888	880
20.0	884	882	881	881	881	884	882	883	883	884	889	885	883	880	875	876	866
22.5	853	854	853	854	855	857	857	860	861	864	868	867	867	864	859	859	852
25.0	814	815	815	817	821	822	825	829	834	839	844	844	845	845	841	842	834
27.5	766	766	770	774	779	779	786	791	801	805	814	817	820	822	818	820	814
30.0	707	711	716	719	727	729	736	748	756	768	777	787	792	794	794	795	789
32.5	643	650	651	659	668	673	680	697	710	724	737	748	757	764	766	769	765
35.0	579	585	586	595	607	612	621	640	656	674	690	705	720	731	736	738	733
37.5	519	516	524	531	545	549	560	576	600	618	639	661	679	690	695	700	698
40.0	459	459	463	472	482	492	497	519	538	563	586	613	630	646	656	662	662
42.5	408	407	409	419	427	437	441	462	481	507	531	558	580	601	615	618	621
45.0	362	360	362	369	379	390	392	409	427	451	474	500	528	550	566	574	579
47.5	320	318	321	328	335	344	347	361	377	398	422	451	474	498	520	526	532
50.0	284	283	285	291	297	305	307	318	335	353	375	396	422	450	470	478	486
52.5	251	250	252	256	263	269	271	280	295	310	331	349	372	399	423	431	439
55.0	219	218	220	225	230	234	238	246	260	271	291	307	328	350	371	384	392
57.5	193	193	193	196	202	206	207	217	226	238	255	268	285	308	327	335	344
60.0	170	168	170	174	177	179	182	188	197	206	220	232	248	267	285	294	299
62.5	148	148	149	151	153	156	157	163	169	178	189	201	214	227	243	251	257
65.0	129	128	129	131	133	136	137	140	145	153	162	171	182	194	206	213	217
67.5	112	111	112	113	115	116	117	119	125	130	138	145	154	163	174	179	183
70.0	95	94	95	95	97	99	99	101	104	109	115	122	128	135	144	149	152
72.5	80	79	79	80	81	82	82	85	87	90	94	98	103	111	117	120	123
75.0	66	65	65	66	66	67	67	68	71	72	76	78	82	88	91	95	98
77.5	52	51	52	52	52	53	53	54	55	56	59	61	64	67	71	72	74
80.0	39	39	39	39	39	40	40	40	41	42	43	44	47	49	50	52	52
82.5	28	28	28	28	28	29	28	29	29	29	30	31	33	33	34	35	35
85.0	18	17	17	17	18	18	18	18	18	18	20	18	20	21	21	21	21
87.5	9	9	8	9	9	9	9	9	9	10	10	9	9	10	10	10	10
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	928	928	928	928
2.5	918	920	929	940
5.0	914	917	926	936
7.5	909	911	920	931
10.0	904	906	914	924
12.5	896	897	904	915
15.0	886	886	894	904
17.5	876	873	880	890
20.0	861	860	866	873
22.5	846	844	850	856
25.0	828	825	828	834
27.5	807	803	805	811
30.0	783	780	781	788
32.5	760	754	754	761
35.0	728	723	720	727
37.5	694	691	691	694
40.0	663	658	654	659
42.5	623	620	615	620
45.0	585	583	578	583
47.5	538	539	536	537
50.0	496	499	496	494
52.5	448	452	450	449
55.0	403	406	405	405
57.5	357	363	361	360
60.0	310	318	320	319
62.5	268	276	278	277
65.0	228	235	237	235
67.5	191	196	199	199
70.0	158	162	165	164
72.5	128	131	132	133
75.0	100	102	104	104
77.5	76	78	79	79
80.0	53	55	56	56
82.5	36	37	37	38
85.0	21	21	22	22
87.5	10	10	10	11
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	23	26	32	41	22	24	30	40
20 30	20	22	24	30	19	20	22	28
20 40	20	20	21	24	18	19	19	22
20 60	20	20	20	22	18	18	18	20
30 20	25	27	31	39	24	26	30	38
30 30	22	22	23	28	21	21	22	27
30 40	21	21	21	23	20	19	19	21
30 60	20	20	19	20	19	19	18	19
30 80	21	21	19	20	19	19	17	18
40 20	27	29	32	38	26	28	31	38
40 30	24	24	24	28	23	23	23	27
40 40	22	22	21	23	21	21	20	21
40 60	22	21	20	20	20	20	18	19
40 80	22	21	19	20	21	20	18	18
40 100	22	22	20	20	21	21	18	18
60 30	25	26	25	29	25	25	24	28
60 40	24	23	22	23	23	23	21	22
60 60	23	22	20	21	22	21	19	19
60 80	23	22	20	20	22	21	18	19
60 100	23	22	20	20	22	21	18	18
100 40	28	27	25	26	27	27	24	25
100 60	26	25	23	23	26	24	22	22
100 80	26	25	22	22	25	24	21	21
100 100	26	25	22	21	25	24	21	20

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES