

**LUMINAIRE:** CWW2-40MWG-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:** 2005  
**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 #16262  
 DATE: 6/3/2016

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 99**

**ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.40**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

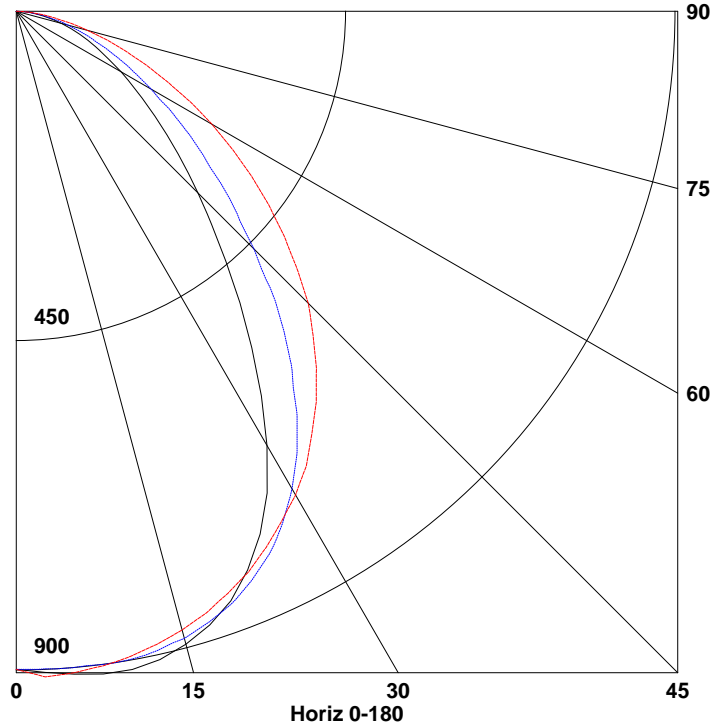
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	703	35.1	35.1
0-40	1109	55.3	55.3
0-60	1732	86.4	86.4
0-90	2005	100.0	100.0
0-180	2005	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	20160	20160	20160	20160	20160	20160
30	17737	18229	18980	19861	19783	19757
40	13027	13671	15252	17886	18764	18677
45	11131	11639	13129	16237	17791	17886
50	9594	10047	11338	14269	16432	16676
55	8288	8719	9852	12394	14818	15326
60	7400	7669	8566	10809	13006	13859
65	6633	6845	7482	9392	11143	12098
70	6032	6163	6622	8130	9638	10425
75	5545	5545	5892	6932	8231	8751
80	4907	4907	5166	5811	6457	7103
85	4632	4632	4632	4889	5146	5403

**INDOOR CANDELA PLOT**



0.0 ——— 45.0 ——— 90.0 ——— 900

**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	102	100
1	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74	74
3	93	84	76	71	91	82	75	70	79	73	69	77	72	68	74	70	66	64	64
R	4	86	75	67	61	84	74	66	61	71	65	69	64	59	67	62	58	56	56
C	5	80	68	59	53	78	67	59	53	65	58	53	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	44
	7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36
	9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32
	10	57	44	37	32	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: \_\_\_\_\_

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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	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899	899
2.5	904	901	901	901	900	903	900	899	898	897	899	897	895	895	892	892	889
5.0	909	903	903	902	902	906	901	899	898	895	900	894	894	892	889	890	886
7.5	913*	907	906	904	904	908	902	901	899	897	900	893	892	890	886	887	882
10.0	913	907	906	905	903	908	902	900	899	897	899	892	890	887	882	884	878
12.5	907	902	900	899	898	902	897	895	893	891	894	887	885	882	875	878	870
15.0	895	891	889	889	888	892	887	887	885	885	887	881	879	874	868	870	862
17.5	879	875	874	873	873	877	873	873	872	872	875	870	868	865	859	860	852
20.0	857	854	853	853	853	857	854	856	856	857	861	858	856	852	847	848	839
22.5	826	827	826	827	828	830	830	833	834	837	841	840	840	837	832	832	825
25.0	788	789	789	791	796	797	799	803	808	812	818	818	819	819	815	816	808
27.5	742	742	746	749	755	755	761	766	776	780	788	791	795	797	792	795	788
30.0	685	688	694	697	704	706	713	724	733	744	753	762	767	769	769	770	764
32.5	623	630	631	638	647	652	659	675	687	701	714	724	734	740	742	745	741
35.0	561	566	568	576	588	593	601	620	636	653	668	683	698	708	713	715	710
37.5	502	500	508	514	528	532	542	558	581	599	619	640	658	668	674	678	676
40.0	445	445	449	457	467	476	481	502	521	545	568	594	611	625	636	641	641
42.5	395	394	396	406	414	424	427	448	466	491	514	540	562	582	596	599	601
45.0	351	349	351	357	367	377	379	396	414	437	459	485	512	533	549	556	561
47.5	310	308	311	317	325	333	336	350	365	386	409	437	459	482	503	510	515
50.0	275	274	276	282	288	295	297	308	325	342	364	384	409	436	455	463	471
52.5	243	242	244	248	254	261	263	271	286	301	321	338	360	387	410	417	426
55.0	212	211	213	218	223	227	230	239	252	263	282	297	317	339	359	372	379
57.5	187	187	187	190	195	200	201	210	219	230	247	260	276	298	316	325	333
60.0	165	163	165	168	171	173	177	182	191	200	213	225	241	259	276	285	290
62.5	143	143	144	146	148	151	152	158	164	172	183	194	207	220	235	243	249
65.0	125	124	125	127	129	131	132	136	141	148	157	166	177	188	200	206	210
67.5	108	107	108	109	111	112	114	116	121	126	133	141	149	158	168	173	178
70.0	92	91	92	92	94	96	96	98	101	105	111	118	124	130	140	144	147
72.5	78	77	77	78	79	80	80	82	84	87	91	95	100	107	114	117	119
75.0	64	63	63	64	64	65	65	66	68	69	74	76	80	85	88	92	95
77.5	50	49	50	50	50	52	52	53	54	55	57	59	62	65	68	69	71
80.0	38	38	38	38	38	39	39	39	40	41	42	43	45	47	48	50	50
82.5	27	27	27	27	27	28	27	28	28	28	29	30	32	32	33	34	34
85.0	18	17	17	17	18	18	18	18	18	18	19	18	19	20	20	20	20
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

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**CANDELA VALUES**

ANGLE	75.0	80.0	85.0	90.0
0.0	899	899	899	899
2.5	889	891	900	910
5.0	885	888	897	907
7.5	881	883	891	902
10.0	875	878	885	895
12.5	868	869	875	886
15.0	859	859	866	875
17.5	848	846	852	862
20.0	834	833	839	846
22.5	820	818	823	829
25.0	802	799	802	808
27.5	782	778	780	785
30.0	759	756	757	763
32.5	736	730	730	737
35.0	705	700	698	704
37.5	673	669	669	673
40.0	642	637	634	638
42.5	603	600	596	600
45.0	566	564	560	564
47.5	521	522	519	520
50.0	480	483	480	478
52.5	434	438	436	435
55.0	390	393	392	392
57.5	346	352	350	349
60.0	301	308	310	309
62.5	260	267	269	268
65.0	221	228	229	228
67.5	185	190	192	192
70.0	153	157	160	159
72.5	124	127	128	129
75.0	97	99	101	101
77.5	74	76	77	77
80.0	52	54	55	55
82.5	35	36	36	37
85.0	20	20	21	21
87.5	9	9	9	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	24	27	33	42	22	25	31	41
20 30	21	22	25	30	20	21	23	28
20 40	21	21	22	25	19	19	20	23
20 60	20	21	21	22	19	19	19	20
30 20	25	28	32	40	24	27	31	39
30 30	22	23	24	29	21	22	22	27
30 40	21	21	21	23	20	20	20	22
30 60	21	21	20	21	20	19	18	19
30 80	21	21	20	21	20	20	18	19
40 20	28	30	33	39	27	29	32	39
40 30	24	25	25	29	23	24	24	28
40 40	23	23	22	23	22	22	20	22
40 60	22	22	20	21	21	21	19	19
40 80	22	22	20	20	21	21	18	19
40 100	23	22	20	20	22	21	19	19
60 30	26	26	26	29	25	26	25	29
60 40	24	24	23	24	24	23	21	23
60 60	23	23	21	21	22	22	19	20
60 80	23	23	20	20	22	22	19	19
60 100	24	23	20	20	23	22	19	19
100 40	29	28	26	27	28	27	25	26
100 60	27	26	23	23	26	25	22	22
100 80	27	26	22	22	26	25	21	21
100 100	27	25	22	22	26	24	21	21

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES