

LUMINAIRE: CWW2-35MWG-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: 1940
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 #16261
 DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 96

ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT NORMAL USE
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.47
BASED ON 3000 HRS. AND \$.08 PER KWH

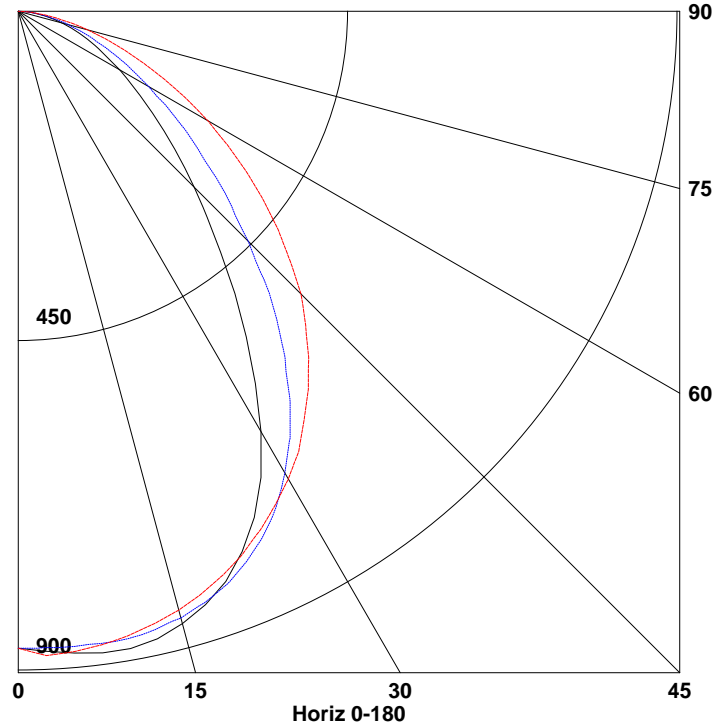
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	680	35.1	35.1
0-40	1073	55.3	55.3
0-60	1676	86.4	86.4
0-90	1940	100.0	100.0
0-180	1940	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	19510	19510	19510	19510	19510	19510
30	17168	17634	18359	19213	19136	19110
40	12588	13232	14754	17301	18150	18062
45	10783	11258	12717	15698	17220	17316
50	9280	9733	10954	13815	15908	16153
55	8015	8445	9540	12003	14348	14818
60	7176	7445	8297	10450	12603	13410
65	6420	6633	7216	9074	10772	11727
70	5901	5967	6425	7868	9310	10097
75	5372	5372	5718	6672	7971	8491
80	4778	4778	5037	5682	6328	6845
85	4374	4374	4374	4632	4889	5146

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

COEFFICIENTS OF UTILIZATION (%)

RC	RW	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
		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	60	69	64	59	67	62	58	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	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870
2.5	875	872	872	872	871	874	871	870	869	868	870	868	866	866	863	863	860
5.0	880	874	874	873	873	877	872	870	869	866	871	865	865	863	860	861	857
7.5	884*	878	877	875	875	879	873	872	870	868	871	864	863	861	857	858	853
10.0	884	878	877	876	874	879	873	871	870	868	870	863	861	858	853	855	849
12.5	878	873	871	870	869	873	868	866	864	862	865	858	856	853	847	849	842
15.0	866	862	860	860	859	863	858	858	856	856	858	852	850	846	840	842	834
17.5	850	847	846	845	845	848	845	845	844	844	847	842	840	837	831	832	825
20.0	829	827	826	826	826	829	827	828	828	829	833	830	828	825	820	821	812
22.5	799	800	799	800	801	803	803	806	808	810	814	813	813	810	805	805	798
25.0	763	764	764	766	770	771	773	777	782	786	791	791	792	792	788	789	782
27.5	718	718	722	725	730	730	736	741	751	755	763	766	769	771	767	769	763
30.0	663	666	671	674	681	683	690	701	709	720	728	737	742	744	744	745	739
32.5	603	609	610	617	626	631	638	653	665	678	691	701	710	716	718	721	717
35.0	543	548	549	557	569	574	582	600	615	632	647	661	675	685	690	692	687
37.5	486	484	491	497	511	515	525	540	562	580	599	619	637	647	652	656	654
40.0	430	430	434	442	452	461	466	486	504	528	549	575	591	605	615	620	620
42.5	382	381	383	393	401	410	413	433	451	475	497	523	544	563	577	580	582
45.0	340	338	340	346	355	365	367	383	401	423	444	469	495	516	531	538	543
47.5	300	298	301	307	314	322	325	339	353	373	396	423	444	467	487	493	498
50.0	266	265	267	273	279	286	288	298	314	331	352	371	396	422	440	449	456
52.5	235	234	236	240	246	252	254	262	277	291	310	327	349	374	397	404	412
55.0	205	204	206	211	216	220	223	231	244	254	273	288	307	328	348	360	367
57.5	181	181	181	184	189	193	194	203	212	223	239	251	267	289	306	314	322
60.0	160	158	160	163	166	168	171	176	185	193	206	218	233	250	267	276	281
62.5	138	138	139	141	143	146	147	153	159	167	177	188	200	213	228	235	241
65.0	121	120	121	123	125	127	128	131	136	143	152	161	171	182	193	199	203
67.5	105	104	105	106	108	109	110	112	117	122	129	136	144	153	163	168	172
70.0	90	88	90	90	91	93	93	95	98	102	108	114	120	126	135	139	142
72.5	75	74	74	75	76	77	77	79	81	84	88	92	97	104	110	113	115
75.0	62	61	61	62	62	63	63	64	66	67	71	73	77	82	85	90	92
77.5	49	48	49	49	49	50	50	51	52	53	55	57	60	63	66	67	69
80.0	37	37	37	37	37	38	38	38	39	40	41	42	44	46	47	49	49
82.5	26	26	26	26	26	27	26	27	27	27	28	29	31	31	32	33	33
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

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CANDELA VALUES

ANGLE	75.0	80.0	85.0	90.0
0.0	870	870	870	870
2.5	860	862	871	881
5.0	856	859	868	878
7.5	852	854	862	873
10.0	847	849	856	866
12.5	840	841	847	857
15.0	831	831	838	847
17.5	821	819	825	834
20.0	808	806	812	819
22.5	793	791	796	802
25.0	776	773	776	782
27.5	757	753	755	760
30.0	734	731	732	738
32.5	712	707	707	713
35.0	682	677	675	681
37.5	651	648	648	651
40.0	621	616	613	617
42.5	584	581	577	581
45.0	548	546	542	546
47.5	504	505	502	503
50.0	465	468	465	463
52.5	420	424	422	421
55.0	377	380	379	379
57.5	335	341	339	338
60.0	291	298	300	299
62.5	251	258	260	259
65.0	214	221	222	221
67.5	179	184	186	186
70.0	148	152	155	154
72.5	120	123	124	125
75.0	94	96	98	98
77.5	71	73	74	74
80.0	50	52	53	53
82.5	34	35	35	36
85.0	19	19	20	20
87.5	9	9	9	10
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	25	27	34	43	23	26	32	42
20 30	22	23	25	31	20	21	23	29
20 40	21	22	23	25	20	20	20	23
20 60	21	21	21	23	19	19	19	21
30 20	26	29	33	41	25	27	31	40
30 30	23	24	25	30	22	22	23	28
30 40	22	22	22	24	21	21	20	22
30 60	22	21	20	22	20	20	19	20
30 80	22	22	20	21	21	20	18	19
40 20	29	31	34	40	28	30	33	40
40 30	25	25	26	29	24	24	24	28
40 40	24	23	22	24	22	22	21	23
40 60	23	22	21	21	22	21	19	20
40 80	23	23	20	21	22	21	19	19
40 100	24	23	21	21	22	22	19	19
60 30	27	27	27	30	26	26	26	29
60 40	25	25	23	25	24	24	22	23
60 60	24	23	21	22	23	22	20	20
60 80	24	23	21	21	23	22	19	20
60 100	25	24	21	21	23	23	20	20
100 40	29	29	26	28	29	28	26	27
100 60	28	27	24	24	27	26	23	23
100 80	27	26	23	23	27	25	22	22
100 100	27	26	23	22	26	25	22	21

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES