

LUMINAIRE: CWW2-40VWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 24" led with frosted acylic prisms lens
 Scaled from Test#16.01146
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 1540
WATTS: 14.90
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.14 90° = 1.25
LUMINOUS OPENING IN FEET
 LENGTH: 0.25
 WIDTH: 1.92
 HEIGHT: 0.00

TEST #16258

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 103

ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT INTENSIVE USE

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.33

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

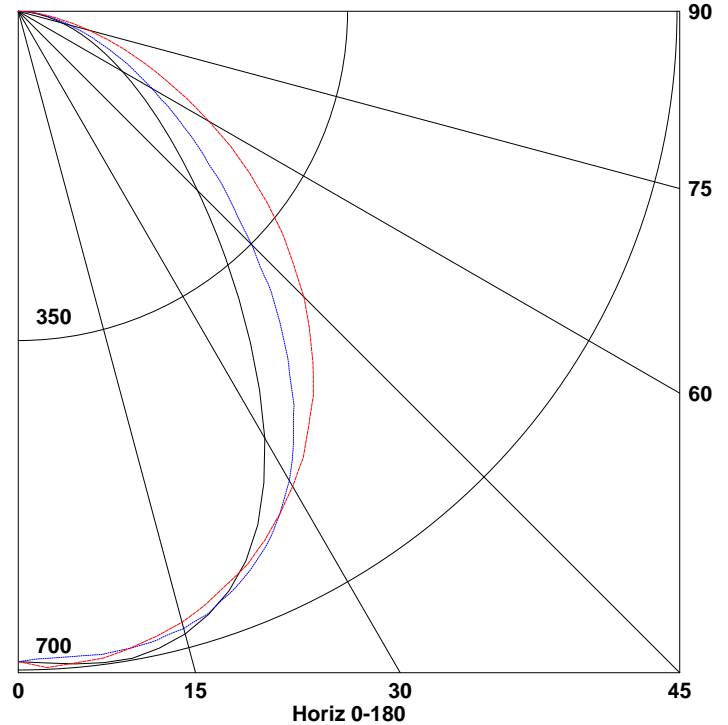
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	540	35.1	35.1
0-40	851	55.3	55.3
0-60	1328	86.3	86.3
0-90	1540	100.0	100.0
0-180	1540	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	15496	15496	15496	15496	15496
30	13568	13957	14915	15277	15096
40	10041	10714	12675	14344	14256
45	8563	9197	11131	13447	13605
50	7361	7919	9733	12315	12769
55	6412	6920	8406	11025	11729
60	5696	6100	7355	9643	10495
65	5200	5412	6474	8437	9180
70	4655	4917	5639	7212	7999
75	4246	4505	4939	6065	6758
80	3874	3874	4391	5037	5424
85	3602	3860	3860	4117	4374

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	99	97	94	96	93	91	92	90	89	87	
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74	
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64	
R	4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
C	5	80	68	59	53	78	67	59	53	65	58	52	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	41	51	46	41	39
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
	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: _____

LUMINAIRE: CWW2-40VWG-2WW-EDU
CWW Contemporary Wallwash, Recessed Architectural
3" x 24" led with frosted acrylic prisms lens
Scaled from Test#16.01146

TEST #16258
DATE: 6/3/2016

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	691	691	691	691	691
2.5	693	692	688	684	698*
5.0	696	694	688	683	695
7.5	698	695	689	680	693
10.0	698	694	687	677	687
12.5	693	689	684	673	680
15.0	685	682	679	666	672
17.5	672	671	671	658	661
20.0	655	655	658	648	648
22.5	632	635	643	638	636
25.0	602	609	625	624	620
27.5	565	577	602	607	602
30.0	524	539	576	590	583
32.5	477	499	544	569	563
35.0	430	455	511	544	538
37.5	385	410	472	517	515
40.0	343	366	433	490	487
42.5	305	326	393	457	458
45.0	270	290	351	424	429
47.5	239	256	312	390	396
50.0	211	227	279	353	366
52.5	186	201	246	317	333
55.0	164	177	215	282	300
57.5	145	155	189	249	268
60.0	127	136	164	215	234
62.5	111	118	142	186	203
65.0	98	102	122	159	173
67.5	84	87	103	133	147
70.0	71	75	86	110	122
72.5	60	62	70	89	99
75.0	49	52	57	70	78
77.5	39	40	44	54	59
80.0	30	30	34	39	42
82.5	21	22	23	26	28
85.0	14	15	15	16	17
87.5	6	7	7	7	7
90.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE

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				
	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0	
ROOM SIZE									
W									
L									
20	20	39	44	53	62	30	33	39	49
20	30	35	37	43	50	26	27	29	35
20	40	33	35	38	43	25	25	25	28
20	60	31	33	35	38	24	24	23	25
30	20	39	43	50	58	33	36	40	49
30	30	35	36	40	46	28	29	30	35
30	40	32	34	36	39	26	26	26	28
30	60	31	32	33	35	25	25	23	25
30	80	31	31	31	34	25	25	23	24
40	20	41	44	50	56	36	39	43	50
40	30	36	37	40	45	31	31	32	36
40	40	33	34	35	38	28	28	27	29
40	60	32	32	32	34	27	26	24	25
40	80	31	32	31	33	27	26	23	24
40	100	31	32	31	32	27	26	24	24
60	30	37	39	40	44	33	34	34	38
60	40	35	35	35	38	30	30	29	30
60	60	32	33	32	33	28	28	25	26
60	80	31	32	31	32	28	27	24	25
60	100	31	31	30	31	28	27	24	24
100	40	39	39	38	40	35	35	33	34
100	60	36	36	34	35	33	32	29	29
100	80	34	34	32	33	31	31	27	27
100	100	34	33	31	32	31	30	27	26

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES