

LUMINAIRE: CWW2-50VWG-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: 1590
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 #16259

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 107

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

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.26

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

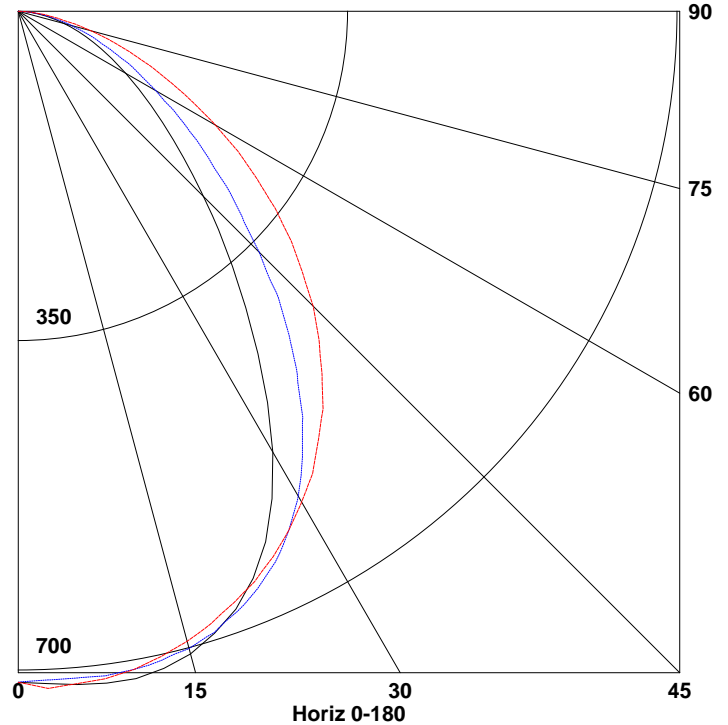
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	557	35.1	35.1
0-40	878	55.3	55.3
0-60	1371	86.3	86.3
0-90	1590	100.0	100.0
0-180	1590	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	15989	15989	15989	15989	15989
30	14009	14423	15407	15769	15588
40	10363	11065	13085	14812	14695
45	8848	9482	11480	13859	14049
50	7605	8164	10047	12734	13187
55	6607	7116	8679	11377	12081
60	5875	6279	7580	9957	10854
65	5359	5572	6686	8702	9498
70	4852	5049	5835	7475	8261
75	4419	4592	5112	6325	6932
80	4003	4003	4520	5166	5553
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
C	5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51
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	41	51	46	41
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	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: _____

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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	713	713	713	713	713
2.5	715	714	711	706	720*
5.0	718	716	711	705	717
7.5	720	717	712	702	715
10.0	720	716	710	699	710
12.5	715	712	706	694	702
15.0	707	704	701	688	693
17.5	693	692	692	679	682
20.0	676	676	679	669	669
22.5	652	655	664	659	656
25.0	622	628	646	644	640
27.5	584	596	622	627	622
30.0	541	557	595	609	602
32.5	493	515	562	587	582
35.0	444	470	527	562	556
37.5	397	423	487	534	532
40.0	354	378	447	506	502
42.5	315	336	406	472	473
45.0	279	299	362	437	443
47.5	246	265	322	403	409
50.0	218	234	288	365	378
52.5	192	207	254	328	344
55.0	169	182	222	291	309
57.5	150	160	195	257	277
60.0	131	140	169	222	242
62.5	115	122	146	192	209
65.0	101	105	126	164	179
67.5	87	90	106	138	152
70.0	74	77	89	114	126
72.5	62	64	73	92	102
75.0	51	53	59	73	80
77.5	40	41	46	55	61
80.0	31	31	35	40	43
82.5	22	23	24	27	29
85.0	14	15	15	16	17
87.5	7	8	8	8	8
90.0	0	0	0	0	0

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		38	43	53	61	29	32	38	48
20	30		34	37	42	49	25	26	28	34
20	40		32	34	37	42	24	24	25	27
20	60		31	32	34	38	23	23	23	24
30	20		38	42	49	57	32	35	39	48
30	30		34	36	39	45	27	28	29	34
30	40		32	33	35	38	26	25	25	27
30	60		30	31	32	34	25	24	23	24
30	80		30	31	31	33	25	24	22	23
40	20		40	43	49	55	35	38	42	49
40	30		35	36	39	44	30	31	31	36
40	40		33	34	35	37	28	28	26	28
40	60		31	32	32	33	26	26	24	24
40	80		31	31	30	32	26	26	23	24
40	100		31	31	30	31	27	26	23	23
60	30		37	38	39	43	32	33	33	37
60	40		34	34	34	37	30	30	28	29
60	60		32	32	31	33	28	27	25	25
60	80		31	31	30	31	27	27	24	24
60	100		31	31	30	30	28	27	24	24
100	40		38	38	37	39	34	34	32	34
100	60		35	35	33	34	32	31	28	29
100	80		34	34	31	32	31	30	27	27
100	100		34	33	31	31	31	30	26	26

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES

*MAXIMUM CANDELA VALUE