

**LUMINAIRE:** CWW4-935LWG-2WW-EDU  
 CWW Contemporary Wallwash, Recessed Architectural  
 3" x 48" led with frosted acrylic prisms lens  
 Scaled from Test#16.01298  
**BALLAST:** XI054C150V054DNT1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 4480  
**WATTS:** 48.50  
**MOUNTING:** Recessed  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.15 90° = 1.25  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 0.25  
 WIDTH: 3.92  
 HEIGHT: 0.00

TEST #16342  
 DATE: 11/6/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 92**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.58**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

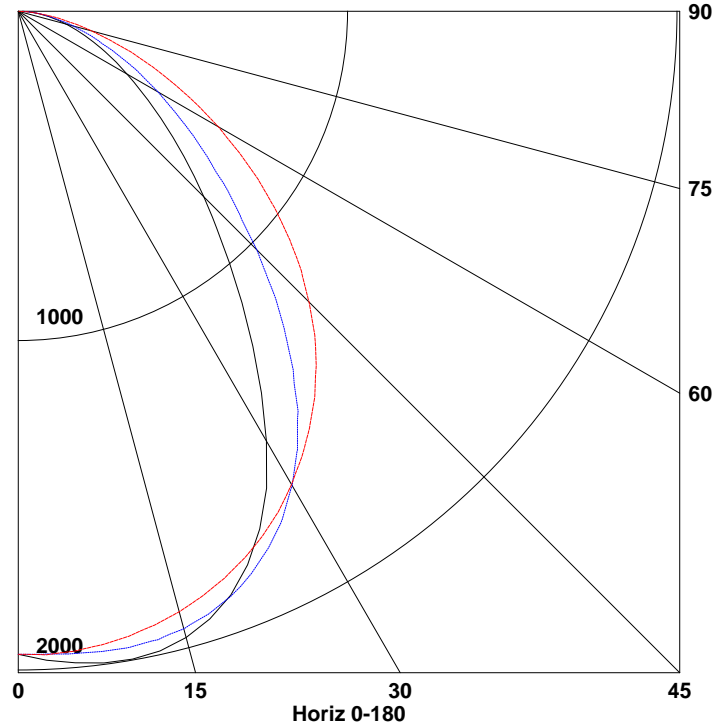
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1542	34.4	34.4
0-40	2438	54.4	54.4
0-60	3840	85.7	85.7
0-90	4480	100.0	100.0
0-180	4480	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	21440	21440	21440	21440	21440
30	19113	19582	21091	21523	21041
40	14295	15069	17994	20417	20174
45	12333	13063	15906	19339	19385
50	10816	11466	13909	17788	18352
55	9402	10053	12179	15932	17024
60	8370	8853	10764	14081	15421
65	7563	7927	9408	12319	13567
70	6872	7161	8285	10662	11786
75	6366	6535	7342	8954	9846
80	6009	6072	6515	7401	8033
85	6049	6175	6301	6301	6175

**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%			
R	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
C	1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
R	2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
C	3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
R	4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56
C	5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49
R	6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43
C	7	69	56	48	42	67	55	47	42	53	46	41	52	46	41	51	45	41	39
R	8	64	51	43	38	62	50	43	37	49	42	37	48	42	37	47	41	37	35
C	9	60	47	39	34	59	47	39	34	45	39	34	44	38	34	43	38	33	32
R	10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	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	22.5	45.0	67.5	90.0
0.0	1952	1952	1952	1952	1952
2.5	1972	1952	1953	1940	1955
5.0	1985	1961	1957	1939	1950
7.5	1995	1968	1960	1933	1940
10.0	<b>1997*</b>	1971	1960	1925	1927
12.5	1989	1962	1954	1914	1909
15.0	1968	1942	1941	1899	1887
17.5	1934	1912	1919	1879	1861
20.0	1886	1870	1889	1855	1831
22.5	1819	1812	1848	1826	1796
25.0	1734	1739	1797	1789	1756
27.5	1632	1649	1737	1747	1711
30.0	1507	1544	1663	1697	1659
32.5	1374	1422	1577	1641	1603
35.0	1241	1297	1481	1576	1542
37.5	1115	1171	1371	1504	1478
40.0	997	1051	1255	1424	1407
42.5	891	940	1137	1336	1332
45.0	794	841	1024	1245	1248
47.5	711	752	911	1143	1165
50.0	633	671	814	1041	1074
52.5	557	594	722	938	982
55.0	491	525	636	832	889
57.5	432	460	558	736	792
60.0	381	403	490	641	702
62.5	335	351	424	553	610
65.0	291	305	362	474	522
67.5	252	262	308	400	442
70.0	214	223	258	332	367
72.5	180	187	212	270	293
75.0	150	154	173	211	232
77.5	122	125	136	162	177
80.0	95	96	103	117	127
82.5	70	71	75	81	84
85.0	48	49	50	50	49
87.5	28	28	29	26	22
90.0	13	12	10	6	2

\*MAXIMUM CANDELA VALUE



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**CANDELA VALUES**

**ANGLE**

- 0.0
- 2.5
- 5.0
- 7.5
- 10.0
- 12.5
- 15.0
- 17.5
- 20.0
- 22.5
- 25.0
- 27.5
- 30.0
- 32.5
- 35.0
- 37.5
- 40.0
- 42.5
- 45.0
- 47.5
- 50.0
- 52.5
- 55.0
- 57.5
- 60.0
- 62.5
- 65.0
- 67.5
- 70.0
- 72.5
- 75.0
- 77.5
- 80.0
- 82.5
- 85.0
- 87.5
- 90.0