

LUMINAIRE: CWW4-35LWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01159
BALLAST: XI054C150V054DNT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 4358
WATTS: 40.00
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.14 90° = 1.25
LUMINOUS OPENING IN FEET
 LENGTH: 3.92
 WIDTH: 0.25
 HEIGHT: 0.00

TEST #16277

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 109

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.20

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

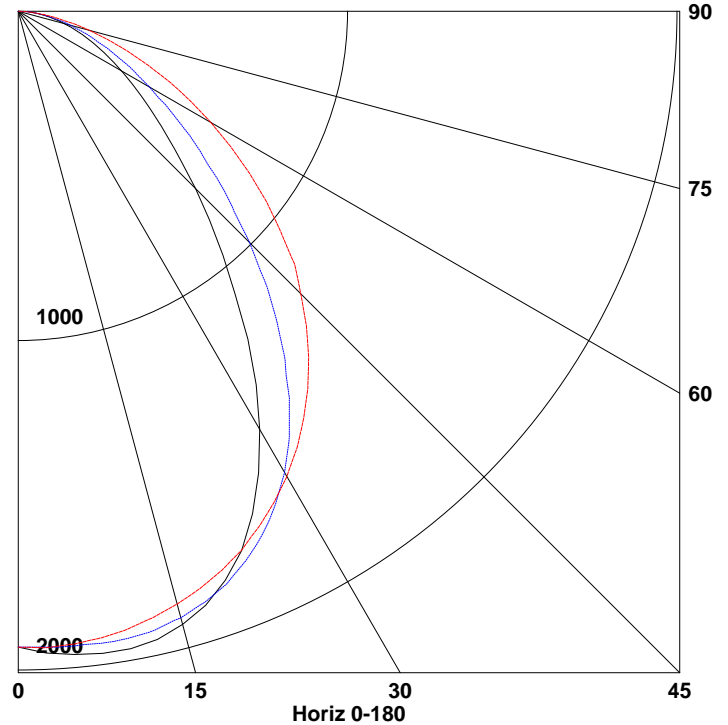
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1513	34.7	34.7
0-40	2381	54.6	54.6
0-60	3738	85.8	85.8
0-90	4358	100.0	100.0
0-180	4358	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	21198	21198	21198	21198	21198	21198
30	18593	18720	19671	20850	21041	20686
40	13851	14567	15815	18482	19858	19657
45	11821	12830	13964	16838	18764	18826
50	10133	11192	12320	15003	17275	17771
55	8847	9709	10781	13232	15549	16411
60	7974	8677	9512	11709	13817	14850
65	7225	7745	8395	10240	12085	13151
70	6616	7001	7515	8960	10437	11336
75	6153	6451	6790	7681	8742	9421
80	5819	6072	6199	6705	7274	7717
85	5923	6301	6427	6301	6175	6049

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 180.0

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	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86
R	2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74
C	3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64
R	4	86	75	67	61	84	73	66	60	71	65	59	69	63	59	67	62	58	56
C	5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49
R	6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
C	7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39
R	8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
C	9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
R	10	56	44	36	31	55	43	36	31	42	36	31	41	35	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	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930
2.5	1950	1958	1954	1948	1940	1931	1933	1934	1947	1942	1932	1934	1933	1931	1925	1921	1920
5.0	1960	1971	1966	1960	1951	1937	1943	1943	1955	1950	1934	1937	1935	1931	1924	1917	1918
7.5	1966	1980*	1974	1967	1958	1942	1950	1950	1959	1955	1935	1939	1935	1930	1921	1911	1913
10.0	1965	1979	1973	1967	1957	1940	1950	1949	1957	1955	1932	1936	1931	1924	1915	1902	1905
12.5	1953	1966	1960	1954	1945	1927	1937	1938	1947	1947	1923	1927	1921	1914	1904	1890	1893
15.0	1927	1940	1933	1927	1920	1905	1914	1918	1926	1928	1906	1912	1906	1899	1888	1872	1875
17.5	1891	1900	1895	1890	1883	1871	1879	1886	1897	1903	1881	1890	1885	1878	1867	1851	1854
20.0	1838	1841	1840	1837	1834	1827	1835	1842	1853	1865	1850	1857	1853	1851	1841	1825	1829
22.5	1772	1768	1765	1765	1766	1768	1771	1781	1799	1813	1805	1817	1815	1815	1806	1792	1795
25.0	1683	1675	1675	1677	1682	1694	1692	1707	1727	1752	1753	1763	1768	1771	1766	1752	1758
27.5	1580	1567	1568	1573	1583	1607	1599	1618	1643	1675	1689	1700	1712	1719	1718	1710	1714
30.0	1466	1446	1454	1462	1476	1499	1491	1519	1551	1584	1616	1630	1644	1660	1662	1658	1659
32.5	1344	1323	1327	1342	1358	1386	1377	1404	1444	1484	1531	1545	1568	1588	1599	1599	1602
35.0	1215	1203	1212	1222	1241	1265	1260	1290	1332	1376	1435	1451	1483	1509	1532	1536	1542
37.5	1080	1091	1096	1107	1124	1142	1148	1178	1215	1265	1330	1348	1392	1430	1449	1461	1464
40.0	966	985	991	1000	1016	1021	1035	1063	1103	1148	1218	1250	1289	1325	1361	1379	1385
42.5	859	885	894	903	918	911	937	961	998	1041	1105	1138	1184	1234	1272	1293	1294
45.0	761	792	800	811	826	810	843	866	899	939	993	1031	1084	1125	1173	1200	1208
47.5	668	705	709	722	734	715	755	780	806	844	883	933	974	1033	1068	1099	1101
50.0	593	622	631	641	655	634	671	693	721	754	786	832	878	921	976	1005	1011
52.5	524	550	554	565	579	558	594	614	641	670	695	743	781	827	872	904	914
55.0	462	484	489	496	507	490	522	540	563	590	608	656	691	733	774	801	812
57.5	409	426	431	437	446	431	458	475	493	518	532	580	610	642	684	706	716
60.0	363	377	379	385	395	380	403	415	433	453	461	505	533	562	597	618	629
62.5	316	330	334	337	343	333	350	362	374	391	399	435	459	488	517	531	545
65.0	278	288	291	293	298	290	304	314	323	337	341	373	394	418	441	454	465
67.5	240	249	251	253	257	251	263	270	277	289	291	314	335	353	372	383	393
70.0	206	213	213	215	218	214	223	227	234	244	244	263	279	294	309	318	325
72.5	174	179	179	181	183	179	185	189	194	200	201	217	227	239	251	255	261
75.0	145	147	150	150	152	148	153	156	160	164	164	176	181	188	199	201	206
77.5	118	120	120	122	123	120	124	125	126	130	129	135	141	145	152	155	159
80.0	92	95	95	95	96	94	97	98	98	100	98	103	106	109	111	113	115
82.5	68	71	71	72	71	69	72	72	73	73	70	75	75	77	77	76	77
85.0	47	49	50	50	50	47	50	50	51	51	48	51	50	49	50	48	49
87.5	26	26	26	26	27	25	26	27	27	27	25	28	27	26	26	24	25
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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ANGLE	75.0	80.0	85.0	90.0
0.0	1930	1930	1930	1930
2.5	1917	1914	1922	1934
5.0	1914	1910	1917	1928
7.5	1908	1903	1908	1919
10.0	1898	1892	1897	1905
12.5	1883	1875	1877	1886
15.0	1865	1855	1856	1863
17.5	1843	1831	1830	1837
20.0	1814	1802	1801	1806
22.5	1782	1769	1763	1771
25.0	1742	1728	1724	1727
27.5	1699	1683	1679	1681
30.0	1649	1635	1628	1631
32.5	1592	1577	1572	1574
35.0	1534	1519	1510	1510
37.5	1461	1449	1444	1444
40.0	1392	1379	1371	1371
42.5	1306	1299	1294	1295
45.0	1219	1217	1212	1212
47.5	1125	1132	1129	1138
50.0	1029	1036	1036	1040
52.5	939	940	947	950
55.0	840	851	853	857
57.5	749	758	761	765
60.0	656	663	672	676
62.5	563	575	583	588
65.0	482	495	503	506
67.5	409	417	424	426
70.0	339	346	352	353
72.5	273	280	282	283
75.0	215	221	223	222
77.5	162	166	171	170
80.0	117	118	123	122
82.5	78	80	80	82
85.0	48	48	48	48
87.5	24	23	22	22
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	22	25	31	41	21	24	29	39
20 30	19	21	23	29	18	19	21	27
20 40	19	19	20	23	17	18	18	21
20 60	18	19	19	21	17	17	17	19
30 20	24	26	30	38	23	25	29	37
30 30	20	21	22	27	20	20	21	26
30 40	19	20	20	22	18	18	18	20
30 60	19	19	18	19	18	18	17	18
30 80	19	19	18	19	18	18	16	18
40 20	26	28	31	38	25	27	30	37
40 30	22	23	23	27	21	22	22	26
40 40	21	21	20	22	20	20	19	21
40 60	20	20	19	19	19	19	17	18
40 80	20	20	18	19	19	19	17	18
40 100	20	20	18	19	20	19	17	17
60 30	24	25	24	28	23	24	23	27
60 40	22	22	21	22	22	21	20	21
60 60	21	21	19	20	20	20	18	19
60 80	21	20	18	19	20	20	17	18
60 100	21	20	18	19	21	20	17	18
100 40	26	26	24	25	26	25	23	24
100 60	24	24	21	22	24	23	21	21
100 80	24	23	20	21	23	22	20	20
100 100	23	23	20	20	23	22	19	19

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES