

LUMINAIRE: CWW2-30LWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 24" led with frosted acylic prisms lens
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 2629
WATTS: 26.90
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 #16.01148
 DATE: 6/7/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 98

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

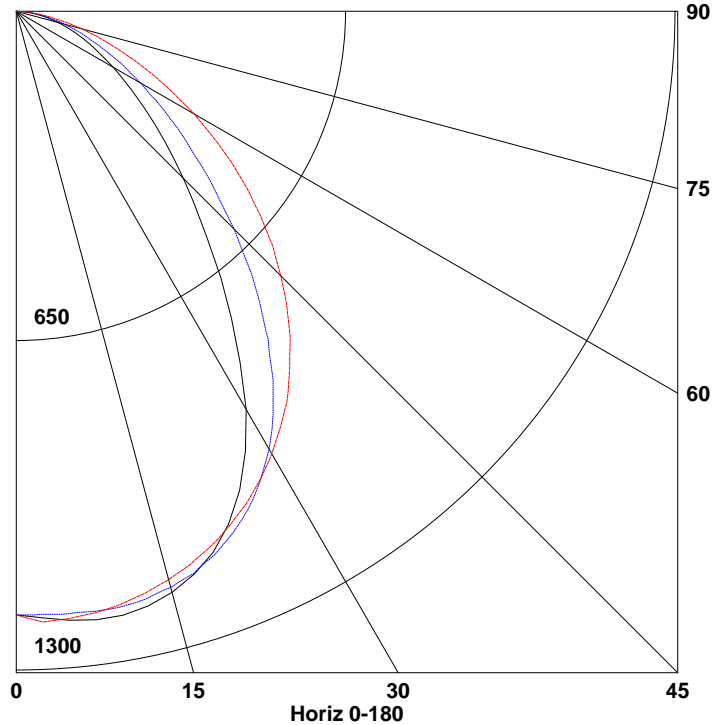
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	929	35.4	35.4
0-40	1461	55.6	55.6
0-60	2272	86.4	86.4
0-90	2629	100.0	100.0
0-180	2629	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	26708	26708	26708	26708	26708	26708
30	23486	23641	24858	26153	26256	26101
40	17184	17623	19584	23243	24590	24619
45	14779	15032	16872	20994	23341	23405
50	12803	13048	14583	18455	21386	21979
55	11143	11377	12745	16030	19196	20213
60	9867	10046	11212	13993	16908	18164
65	8914	8967	9763	12204	14698	15919
70	8130	8065	8720	10556	12458	13572
75	7451	7278	7711	9011	10484	11610
80	6715	6328	6715	7490	8523	9298
85	6175	5661	5918	6175	6433	7205

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	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74	74
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64	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	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
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	56	48	42	54	47	42	53	46	42	51	46	41	40
	8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36
	9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
	10	57	44	37	32	56	44	36	32	43	36	32	42	36	31	41	35	31	30

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	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191	1191
2.5	1198	1195	1196	1195	1194	1196	1194	1193	1192	1190	1191	1190	1189	1188	1184	1183	1180
5.0	1206	1201	1200	1199	1198	1201	1197	1195	1193	1192	1193	1189	1188	1186	1182	1181	1177
7.5	1211*	1204	1203	1202	1200	1205	1199	1197	1195	1193	1194	1189	1187	1184	1178	1178	1173
10.0	1210	1202	1201	1199	1198	1204	1197	1196	1193	1190	1193	1186	1183	1179	1173	1173	1166
12.5	1202	1193	1191	1190	1189	1197	1188	1187	1185	1183	1187	1179	1176	1172	1164	1165	1157
15.0	1187	1178	1176	1175	1175	1183	1175	1174	1173	1172	1177	1169	1166	1162	1154	1154	1146
17.5	1165	1154	1154	1153	1154	1163	1154	1154	1154	1155	1163	1154	1153	1148	1140	1141	1132
20.0	1136	1125	1123	1125	1125	1136	1127	1130	1131	1132	1142	1134	1133	1130	1125	1125	1115
22.5	1095	1084	1084	1084	1089	1101	1092	1096	1100	1103	1115	1110	1111	1109	1102	1105	1096
25.0	1043	1031	1033	1036	1041	1055	1048	1055	1062	1068	1083	1078	1081	1082	1078	1082	1071
27.5	979	967	971	975	984	998	991	1004	1015	1024	1043	1042	1048	1051	1049	1054	1042
30.0	907	894	896	906	913	934	927	945	960	974	998	1000	1010	1014	1017	1021	1014
32.5	822	808	814	823	836	861	854	872	892	913	943	950	962	976	977	983	975
35.0	740	724	730	741	755	783	776	796	821	845	883	896	912	925	932	941	935
37.5	663	645	653	662	677	702	695	721	748	776	817	831	854	876	889	896	889
40.0	587	569	576	585	602	629	619	642	669	703	746	763	794	814	830	843	840
42.5	523	506	511	520	535	562	551	572	598	631	675	698	724	755	777	790	788
45.0	466	450	455	462	474	500	489	508	532	559	608	626	662	690	714	732	736
47.5	413	399	405	410	421	443	435	449	472	497	539	563	594	629	650	670	673
50.0	367	356	360	366	374	395	387	400	418	440	480	495	529	561	593	613	613
52.5	324	315	319	324	331	349	342	354	370	389	424	437	467	499	527	549	552
55.0	285	277	280	285	291	305	301	312	326	342	372	384	410	441	466	486	491
57.5	250	243	246	250	255	268	263	273	285	299	327	337	358	383	408	427	434
60.0	220	214	216	219	224	233	229	239	250	262	284	293	312	335	357	373	377
62.5	192	188	188	192	194	203	199	207	214	225	246	253	270	287	305	320	324
65.0	168	163	164	166	169	175	173	179	184	193	209	216	230	245	261	273	277
67.5	145	141	141	144	145	151	148	152	158	164	177	182	193	205	219	228	231
70.0	124	120	120	122	123	128	125	129	133	138	148	152	161	171	181	188	190
72.5	103	100	101	101	102	107	104	106	109	113	122	124	130	138	146	153	154
75.0	86	82	83	83	84	87	85	87	89	91	98	98	104	110	116	122	121
77.5	68	65	65	66	66	69	67	68	70	71	76	76	80	84	89	92	92
80.0	52	49	49	49	49	53	50	51	52	53	57	56	58	61	64	66	66
82.5	37	34	35	35	35	38	36	35	36	37	40	39	39	41	42	45	44
85.0	24	22	22	22	22	25	22	22	23	23	26	24	24	25	25	27	25
87.5	12	9	9	10	10	12	10	10	10	10	13	11	11	11	12	13	12
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	1191	1191	1191	1191
2.5	1178	1181	1192	1206
5.0	1175	1178	1188	1203
7.5	1170	1172	1183	1197
10.0	1163	1165	1174	1188
12.5	1153	1154	1162	1176
15.0	1142	1141	1149	1161
17.5	1127	1125	1132	1144
20.0	1109	1107	1112	1123
22.5	1089	1086	1090	1099
25.0	1064	1060	1063	1073
27.5	1037	1031	1035	1042
30.0	1008	1002	1001	1008
32.5	970	965	964	971
35.0	935	931	927	933
37.5	887	884	883	886
40.0	848	843	840	841
42.5	794	791	789	790
45.0	742	741	736	738
47.5	684	688	687	687
50.0	625	629	629	630
52.5	567	571	572	574
55.0	508	513	515	517
57.5	449	457	457	459
60.0	393	401	404	405
62.5	338	350	350	350
65.0	288	297	299	300
67.5	241	249	251	252
70.0	198	205	207	207
72.5	160	165	167	169
75.0	127	129	132	134
77.5	95	98	99	101
80.0	68	70	71	72
82.5	45	46	47	48
85.0	27	27	27	28
87.5	12	12	12	13
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	18	21	26	34	17	19	24	33
20 30	16	17	19	24	15	16	17	22
20 40	16	16	17	19	14	15	15	17
20 60	16	16	16	17	14	14	14	15
30 20	20	22	25	32	19	21	24	31
30 30	17	18	19	23	16	17	17	21
30 40	17	17	16	18	16	15	15	17
30 60	16	16	15	16	15	15	14	15
30 80	17	17	15	16	15	15	14	14
40 20	22	24	27	32	21	23	26	32
40 30	19	19	20	23	18	18	18	22
40 40	18	18	17	18	17	17	16	17
40 60	18	17	16	16	17	16	14	15
40 80	18	17	15	16	17	16	14	15
40 100	18	18	16	16	17	17	15	15
60 30	21	21	21	24	20	20	20	23
60 40	20	19	18	19	19	18	17	18
60 60	19	18	16	17	18	17	15	15
60 80	19	18	16	16	18	17	15	15
60 100	19	18	16	16	18	17	15	15
100 40	23	23	21	22	23	22	20	21
100 60	22	21	19	19	21	20	18	18
100 80	22	21	18	18	21	20	17	17
100 100	22	21	18	18	21	20	17	17

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES