

LUMINAIRE: CWW4-50XWG-2WW-EDU
 CWW Contemporary Wallwash, Recessed Architectural
 3" x 48" led with frosted acrylic prisms lens
 Scaled from Test#16.01156
BALLAST: XI040C110V054BPT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 2883
WATTS: 24.80
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 #16269

DATE: 6/3/2016

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 116

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.09

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

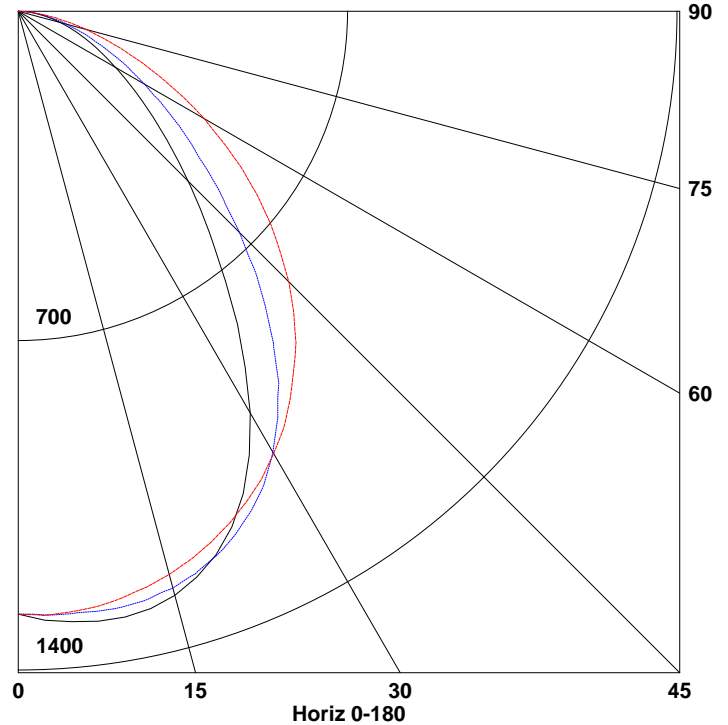
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1008	35.0	35.0
0-40	1586	55.0	55.0
0-60	2483	86.1	86.1
0-90	2883	100.0	100.0
0-180	2883	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M					
	0.0	20.0	35.0	55.0	70.0	90.0
0	14070	14070	14070	14070	14070	14070
30	12505	12467	13139	13926	14052	13761
40	9234	9506	10438	12417	13291	13162
45	7937	8248	9087	11246	12613	12628
50	6818	7160	7929	9911	11551	11927
55	5955	6185	6913	8751	10475	11068
60	5250	5448	6085	7645	9204	10017
65	4730	4834	5302	6705	8031	8758
70	4271	4400	4753	5781	6872	7483
75	3947	3989	4244	4965	5899	6366
80	3542	3669	3795	4175	4744	5124
85	3403	3403	3529	3655	3781	3907

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 140.0

COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

RC	80%																		
	70%				50%				30%				10%				0%		
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	107	104	100	97	99	97	94	96	93	91	92	90	88	86	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74	74
3	93	84	76	70	91	82	75	70	79	73	69	76	72	67	74	70	66	64	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	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
	7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
	8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35
	9	60	47	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
	10	57	44	36	31	55	43	36	31	43	36	31	42	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	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281
2.5	1295	1299	1300	1295	1292	1282	1287	1286	1294	1289	1284	1288	1287	1285	1281	1276	1277
5.0	1302	1309	1309	1305	1300	1287	1294	1293	1301	1295	1285	1291	1289	1287	1281	1273	1276
7.5	1307	1314*	1314	1310	1304	1291	1299	1297	1304	1299	1286	1292	1290	1287	1280	1269	1274
10.0	1307	1313	1311	1306	1302	1290	1297	1294	1303	1298	1285	1290	1287	1282	1276	1263	1268
12.5	1300	1303	1301	1298	1292	1284	1287	1287	1295	1291	1279	1285	1281	1277	1269	1255	1261
15.0	1285	1284	1281	1279	1275	1268	1271	1271	1280	1279	1269	1273	1271	1266	1258	1244	1249
17.5	1261	1259	1255	1254	1251	1248	1248	1249	1259	1261	1253	1256	1255	1252	1244	1230	1236
20.0	1229	1224	1223	1222	1220	1220	1220	1221	1231	1237	1231	1235	1234	1233	1226	1214	1217
22.5	1186	1177	1175	1177	1176	1182	1177	1183	1197	1204	1204	1208	1210	1210	1204	1194	1198
25.0	1131	1115	1121	1122	1124	1134	1131	1136	1151	1165	1171	1175	1177	1180	1177	1167	1171
27.5	1063	1047	1050	1054	1062	1075	1070	1083	1100	1119	1132	1135	1140	1146	1148	1139	1141
30.0	986	963	967	979	983	1006	997	1014	1036	1060	1082	1090	1098	1107	1111	1106	1108
32.5	897	879	885	892	906	928	920	941	965	994	1026	1034	1048	1061	1070	1067	1068
35.0	812	796	801	807	824	846	839	861	888	921	965	972	995	1010	1024	1026	1029
37.5	724	712	719	726	739	762	758	779	809	845	891	905	931	955	970	975	977
40.0	644	637	641	648	663	682	679	702	728	765	816	831	866	890	914	922	927
42.5	575	570	574	580	595	609	609	629	654	689	741	758	795	825	854	868	873
45.0	511	509	512	519	531	541	545	563	585	617	665	687	724	757	789	804	812
47.5	451	449	452	461	470	480	483	499	522	547	591	615	652	689	718	738	745
50.0	399	399	403	408	419	427	431	447	464	489	524	549	580	618	653	672	676
52.5	353	350	355	360	370	378	382	396	412	434	464	488	516	551	586	605	611
55.0	311	308	310	315	323	331	333	347	361	381	408	429	457	486	519	538	547
57.5	273	271	273	278	284	292	292	304	318	334	357	375	400	429	456	475	484
60.0	239	237	240	242	248	254	256	266	277	292	310	329	348	373	399	414	419
62.5	209	206	207	212	215	220	220	227	238	250	268	283	303	322	344	357	362
65.0	182	179	181	183	186	190	191	196	204	214	228	240	258	276	294	305	309
67.5	157	156	157	158	162	164	165	169	175	183	193	204	216	231	245	257	259
70.0	133	132	135	135	137	139	140	143	148	154	162	170	180	192	203	212	214
72.5	113	112	112	113	114	116	116	118	123	126	133	138	146	156	165	171	175
75.0	93	92	92	93	94	95	95	98	100	103	107	111	117	124	131	136	139
77.5	75	74	74	74	75	76	76	77	78	81	85	87	90	94	100	103	106
80.0	56	55	56	56	58	59	58	59	60	61	63	64	66	69	72	75	75
82.5	41	40	40	40	40	41	41	41	42	43	44	46	47	48	49	50	50
85.0	27	26	26	27	27	28	27	27	28	28	28	28	29	28	30	30	30
87.5	14	13	13	13	14	14	14	14	14	14	15	14	14	14	14	14	15
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	1281	1281	1281	1281
2.5	1273	1271	1277	1285
5.0	1272	1268	1274	1281
7.5	1267	1263	1268	1276
10.0	1262	1255	1259	1266
12.5	1252	1246	1248	1254
15.0	1240	1231	1234	1239
17.5	1226	1216	1216	1221
20.0	1209	1198	1197	1200
22.5	1187	1176	1173	1176
25.0	1162	1150	1146	1149
27.5	1135	1121	1116	1120
30.0	1099	1089	1085	1085
32.5	1064	1052	1048	1050
35.0	1024	1011	1006	1007
37.5	977	967	961	961
40.0	929	922	916	918
42.5	877	868	864	866
45.0	819	814	811	813
47.5	757	756	754	754
50.0	695	695	694	698
52.5	630	635	635	639
55.0	565	572	573	578
57.5	501	509	509	514
60.0	439	447	450	456
62.5	380	390	393	395
65.0	323	333	336	337
67.5	273	280	283	284
70.0	225	231	233	233
72.5	181	187	189	188
75.0	143	148	150	150
77.5	110	111	113	114
80.0	77	79	81	81
82.5	51	53	54	54
85.0	30	31	31	31
87.5	14	14	14	15
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	32	35	43	53	30	33	40	51
20 30	28	30	33	40	26	28	30	37
20 40	28	28	30	33	26	26	27	30
20 60	27	27	28	30	25	25	25	27
30 20	33	36	41	50	32	35	40	49
30 30	29	30	32	38	28	29	30	36
30 40	28	28	28	31	27	27	26	29
30 60	27	27	26	28	26	26	24	26
30 80	28	28	26	27	26	26	24	25
40 20	36	38	42	49	35	37	41	49
40 30	31	32	33	37	30	31	31	36
40 40	30	30	29	31	28	28	27	29
40 60	29	28	27	28	27	27	25	26
40 80	29	28	26	27	27	27	24	25
40 100	29	29	26	27	28	27	25	25
60 30	34	34	34	38	33	33	33	37
60 40	31	31	30	31	30	30	28	30
60 60	30	29	27	28	29	28	26	26
60 80	30	29	26	27	29	28	25	25
60 100	30	29	26	27	29	28	25	25
100 40	36	35	33	34	35	34	32	33
100 60	34	33	30	30	33	32	29	29
100 80	33	32	29	29	32	31	27	27
100 100	33	32	28	28	32	31	27	27

DETERMINED IN ACCORDANCE W/CURRENT IES PUBLISHED PROCEDURES