

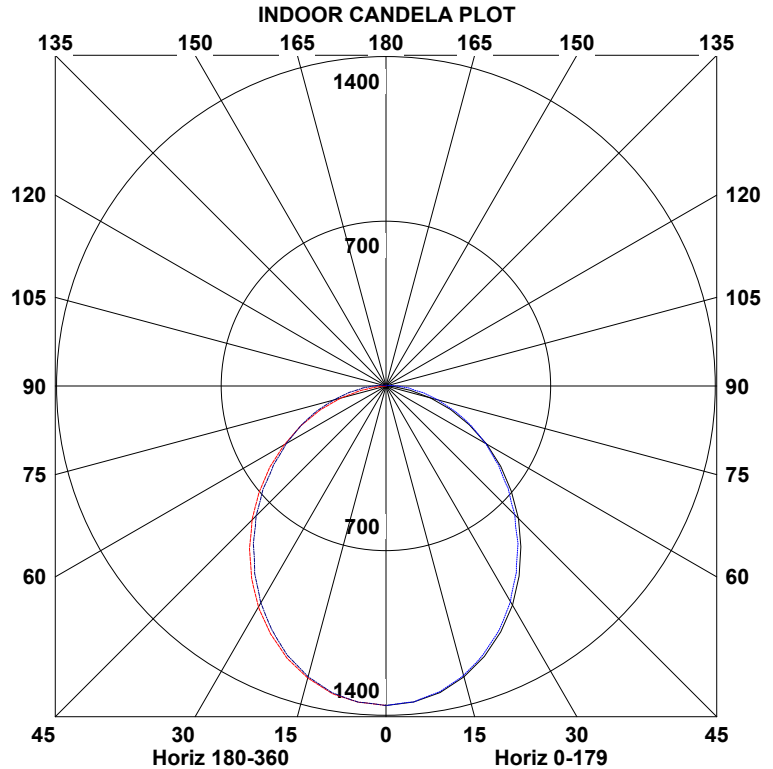
LUMINAIRE: CNW4-3540
 CNW Narrow Wrap, Wraps
 CNW 4ft Narrow Wrap 4000K 3500lm
BALLAST: EDU
BALLAST FACTOR: 1.00
LAMP: LED
LUMENS PER LAMP: 3501
WATTS: 30
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = N/A 90° = N/A
LUMINOUS OPENING IN FEET
 LENGTH: 3.80
 WIDTH: 0.40
 HEIGHT: 0.00

TEST #23865
 DATE: 1/17/2020
TOTAL LUMINAIRE EFFICIENCY = 100.2
LUMINAIRE EFFICACY RATING (LER) = 117

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.05
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1022	29.2	29.1
0-40	1637	46.8	46.7
0-60	2779	79.4	79.2
0-90	3483	99.5	99.3
90-120	19	0.6	0.6
90-130	20	0.6	0.6
90-150	21	0.6	0.6
90-180	24	0.7	0.7
0-180	3507	100.2	100.0



0.0 — 90.0 — 180.0 — 270.0 — 337.5

AVERAGE LUMINANCE

ANGLE	0.0	67.5	135.0	202.5	270.0	337.5
0	9617	9617	9617	9617	9617	9617
30	8790	8619	8782	8848	8700	8758
40	8246	8024	8246	8348	8107	8200
45	7972	7731	7972	8072	7822	7912
50	7657	7447	7679	7778	7525	7613
55	7346	7136	7371	7457	7198	7247
60	6997	6855	7067	7152	6926	6897
65	6552	6619	6736	6786	6686	6468
70	6046	6377	6356	6336	6481	5942
75	5335	6211	5883	5801	6320	5253
80	4282	6199	5424	5220	6525	4201
85	2763	7557	5363	4875	8125	2763

THIS PHOTOMETRIC TEST WAS PERFORMED USING A SPECIFIC LAMP/BALLAST COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER LAMP/BALLAST COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. THE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATING ASSIGNED TO THE LAMP(S) OR TO THE CANDELA VALUES SHOWN.

LUMINAIRE EFFICACY RATING (LER) PER NEMA LE5-1993.

THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

LUMINAIRE: CNW4-3540
CNW Narrow Wrap, Wraps
CNW 4ft Narrow Wrap 4000K 3500lm

TEST #23865
DATE: 1/17/2020

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1358*	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358
5.0	1348	1346	1347	1346	1348	1350	1350	1350	1349	1350	1351	1350	1349	1350	1349	1346	1348
10.0	1323	1318	1318	1316	1319	1323	1324	1329	1326	1327	1328	1325	1323	1323	1322	1321	1323
15.0	1280	1275	1273	1270	1273	1279	1282	1287	1285	1287	1285	1281	1279	1279	1278	1278	1280
20.0	1223	1216	1213	1210	1212	1219	1225	1234	1231	1233	1228	1223	1220	1220	1219	1222	1223
25.0	1153	1145	1140	1136	1141	1148	1154	1167	1162	1161	1159	1152	1145	1148	1149	1150	1153
30.0	1075	1066	1059	1054	1058	1066	1074	1087	1084	1082	1078	1070	1064	1067	1068	1071	1075
35.0	986	977	966	963	966	977	988	1002	996	996	990	978	973	978	978	982	986
40.0	892	884	871	868	873	882	892	909	902	903	894	883	877	884	881	887	892
45.0	796	786	775	772	774	786	796	811	805	806	796	787	781	785	784	790	796
50.0	695	687	676	676	678	687	697	710	705	706	695	689	683	687	685	691	695
55.0	595	588	579	578	583	591	597	610	604	604	597	592	583	588	587	587	595
60.0	494	489	482	484	490	495	499	506	500	505	499	495	489	492	487	487	494
65.0	391	391	390	395	398	402	402	405	399	405	405	404	399	399	390	386	391
70.0	292	294	299	308	310	310	307	305	298	306	311	316	313	307	296	287	292
75.0	195	204	214	227	229	225	215	209	200	212	225	233	231	223	205	192	195
80.0	105	120	139	152	157	149	133	118	109	128	148	159	160	147	124	103	105
85.0	34	54	78	93	97	86	66	46	37	60	84	100	100	86	61	34	34
90.0	0	16	35	49	52	41	23	5	0	19	41	55	56	44	22	3	0
95.0	0	3	13	22	23	16	5	0	0	4	17	28	29	20	7	0	0
100.0	0	0	6	10	11	6	2	0	0	1	8	14	14	9	3	0	0
105.0	0	0	4	6	6	5	1	0	0	0	4	9	10	6	1	0	0
110.0	0	0	2	5	5	3	0	0	0	0	2	6	6	4	0	0	0
115.0	0	0	1	3	3	1	0	0	0	0	1	3	4	2	0	0	0
120.0	0	0	1	2	2	1	0	0	0	0	1	2	2	1	0	0	0
125.0	0	0	0	2	2	0	0	0	0	0	0	2	2	0	0	0	0
130.0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
135.0	1	1	0	0	0	1	0	2	0	0	0	0	0	0	0	1	1
140.0	1	2	1	0	1	1	2	1	0	1	0	1	0	1	1	2	1
145.0	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	3	2
150.0	3	3	3	2	3	3	2	3	1	2	2	3	2	3	3	3	3
155.0	3	3	4	3	3	3	4	4	3	3	3	4	3	4	4	4	3
160.0	4	4	4	4	4	4	5	4	3	3	3	4	4	5	4	4	4
165.0	4	4	5	4	4	4	5	5	4	3	4	5	5	5	5	4	4
170.0	5	4	5	5	5	5	5	5	4	4	4	5	5	5	5	5	5
175.0	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5
180.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*MAXIMUM CANDELA VALUE