

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P201301

Luminaire Tested: **4LBLED-LD4-11-SYMW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28136)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4LBLED-LD4-11-SYMW-UNV-L840-CD1-U
Description: 4 ft. Low Bay Linear, 11000 lm, Wht Sym lens, 4K
Light Source: (392) 4000K CCT, 80 CRI LEDS
2UT217098A8404C
Ballast/Driver: OSRAM
(OT85W01920CC)

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11134.1 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 2.12 / 1.93
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.21')
CIE Type: Semi-Direct

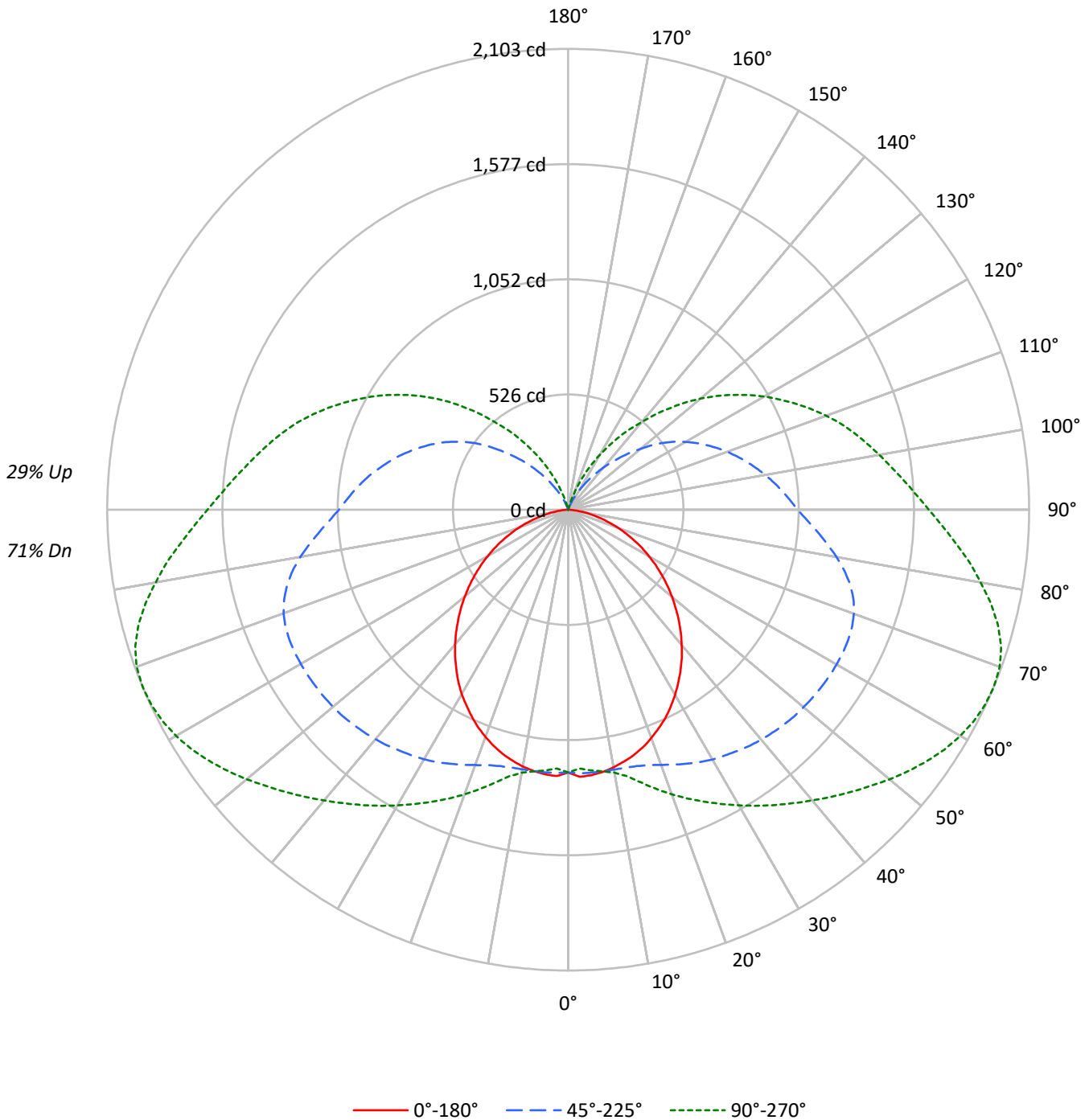
Input Watts (W): 88.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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
RCR																		
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	97	90	84	79	91	85	80	75	75	71	67	66	63	60	58	55	53	49
2	86	76	67	60	81	71	64	57	63	57	51	55	50	46	48	44	40	36
3	77	65	55	48	72	61	52	45	54	47	41	47	41	36	41	36	32	28
4	70	56	46	39	65	53	44	37	47	39	33	41	35	30	35	30	26	23
5	64	50	40	32	60	47	38	31	41	34	28	36	30	25	31	26	22	19
6	59	44	34	27	55	42	33	26	37	29	24	32	26	21	28	23	19	16
7	54	40	30	24	50	37	29	23	33	26	20	29	23	18	25	20	16	14
8	50	36	27	21	47	34	25	20	30	23	18	26	20	16	23	18	14	12
9	47	33	24	18	44	31	23	17	27	21	16	24	18	14	21	16	13	10
10	43	30	22	16	41	28	21	15	25	19	14	22	17	13	20	15	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19320	19320	19320
5°	19580	17415	19516
10°	19359	16354	19294
15°	19069	16123	18987
20°	18664	16306	18563
25°	18209	16533	18070
30°	17613	16863	17558
35°	16968	17285	16892
40°	16225	17814	16165
45°	15445	18490	15358
50°	14588	19313	14517
55°	13651	20210	13572
60°	12624	21078	12535
65°	11423	21811	11320
70°	9976	22321	9852
75°	8134	22365	7821
80°	6020	21991	5590
85°	3131	21551	2783



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.0
10°-20°	344.9	3.1
20°-30°	583.8	5.2
30°-40°	816.3	7.3
40°-50°	1028.6	9.2
50°-60°	1207.7	10.8
60°-70°	1320.6	11.9
70°-80°	1304.7	11.7
80°-90°	1146.2	10.3
90°-100°	975.7	8.8
100°-110°	813.7	7.3
110°-120°	630.2	5.7
120°-130°	438.7	3.9
130°-140°	256.0	2.3
140°-150°	116.8	1.0
150°-160°	33.3	0.3
160°-170°	2.4	0.0
170°-180°	0.0	0.0
0°-30°	1043.2	9.4
0°-40°	1859.5	16.7
0°-60°	4095.8	36.8
0°-90°	7867.4	70.7
90°-120°	2419.5	21.7
90°-150°	3231.0	29.0
90°-180°	3267.0	29.3
0°-180°	11134.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1199	1199	1199	1199	1199	
5°	1216	1205	1194	1203	1212	115
15°	1159	1211	1289	1211	1154	326
25°	1049	1279	1470	1279	1041	482
35°	894	1344	1645	1342	890	559
45°	713	1389	1822	1387	709	550
55°	522	1410	1999	1406	519	467
65°	333	1409	2100	1404	330	330
75°	156	1333	2029	1327	150	167
85°	27	1140	1776	1137	24	34
90°	0	1046	1645	1046	0	1
95°	0	980	1537	981	0	0
105°	1	843	1351	846	0	1
115°	1	697	1145	699	1	1
125°	2	533	913	533	1	2
135°	2	338	655	338	1	2
145°	3	173	406	171	2	1
155°	3	49	180	46	2	1
165°	3	5	13	0	2	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P201301

CATALOG NUMBER: 4LBLED-LD4-11-SYMW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1199	1199	1199	1199	1199	1199	1199	1199	1199	1199	1199
2.5°	1220	1219	1214	1206	1203	1201	1200	1197	1196	1198	1204
5°	1216	1214	1210	1203	1200	1199	1198	1195	1194	1197	1205
7.5°	1207	1206	1202	1195	1194	1192	1192	1190	1190	1195	1204
10°	1194	1193	1189	1184	1183	1183	1183	1183	1185	1193	1204
12.5°	1177	1177	1174	1170	1171	1171	1172	1174	1180	1192	1206
15°	1159	1158	1155	1154	1157	1158	1161	1166	1176	1193	1211
17.5°	1136	1136	1133	1134	1140	1143	1148	1157	1173	1196	1222
20°	1109	1110	1109	1112	1122	1128	1134	1149	1172	1204	1239
22.5°	1079	1081	1081	1089	1102	1111	1120	1141	1174	1218	1259
25°	1049	1049	1052	1063	1081	1092	1106	1136	1181	1233	1279
27.5°	1013	1016	1021	1036	1061	1076	1093	1136	1189	1248	1299
30°	975	978	986	1007	1039	1058	1082	1136	1196	1260	1316
32.5°	935	940	951	978	1017	1043	1074	1135	1202	1270	1330
35°	894	899	916	948	999	1029	1065	1132	1205	1279	1344
37.5°	851	860	879	919	981	1017	1055	1129	1208	1286	1358
40°	805	814	841	889	963	1001	1043	1125	1210	1293	1370
42.5°	760	772	803	861	945	987	1031	1119	1209	1298	1380
45°	713	727	765	834	925	970	1017	1111	1207	1301	1389
47.5°	665	682	727	807	905	952	1003	1103	1204	1303	1397
50°	618	638	689	780	883	933	986	1094	1199	1304	1402
52.5°	571	593	653	753	860	913	969	1083	1193	1303	1407
55°	522	546	617	724	836	891	950	1069	1184	1299	1410
57.5°	475	502	583	696	811	869	932	1054	1174	1296	1413
60°	427	458	548	664	785	845	910	1037	1162	1289	1413
62.5°	380	415	514	635	759	821	888	1018	1149	1282	1413
65°	333	373	479	603	730	795	863	998	1133	1272	1409
67.5°	287	333	443	570	700	767	837	975	1115	1259	1401
70°	242	293	407	535	669	735	808	950	1094	1242	1387
72.5°	197	255	369	500	636	704	778	921	1068	1219	1365
75°	156	217	333	464	602	671	745	889	1037	1189	1333
77.5°	119	182	298	429	566	638	711	854	1001	1151	1291
80°	84	148	263	393	530	601	673	816	963	1106	1243
82.5°	52	117	228	358	495	565	636	778	920	1059	1191
85°	27	88	195	325	461	530	600	739	876	1011	1140
87.5°	9	64	168	296	430	499	567	702	835	964	1090
90°	0	48	148	273	404	471	539	669	799	926	1046
92.5°	0	41	135	257	386	452	518	647	772	895	1012
95°	0	33	124	241	367	432	497	623	746	866	980
97.5°	0	26	112	226	348	411	474	599	719	837	947
100°	1	20	99	207	328	390	451	573	690	804	913
102.5°	1	14	87	191	307	367	427	546	661	774	878
105°	1	10	75	174	287	345	404	520	632	741	843
107.5°	1	7	64	158	267	322	379	492	602	708	808
110°	1	5	54	141	245	300	355	464	571	674	772



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1	4	44	125	223	277	330	436	540	640	735
115°	1	4	35	110	201	253	304	408	507	605	697
117.5°	1	3	27	95	181	229	278	377	475	570	659
120°	1	3	20	80	160	205	253	347	441	533	618
122.5°	2	3	15	67	141	182	228	317	405	494	578
125°	2	2	12	54	121	159	200	286	366	451	533
127.5°	2	2	9	41	101	136	173	253	331	407	485
130°	2	2	8	30	82	113	147	219	292	362	433
132.5°	2	2	6	22	65	93	123	187	254	322	386
135°	2	2	5	16	49	74	100	157	218	282	338
137.5°	2	2	5	12	36	56	79	131	185	242	293
140°	2	2	4	10	25	41	60	105	151	204	253
142.5°	2	2	3	8	18	29	43	81	122	168	211
145°	3	2	3	7	13	20	30	61	94	135	173
147.5°	2	2	2	5	10	14	20	42	71	105	137
150°	3	2	2	4	8	10	14	28	49	77	105
152.5°	3	2	2	4	6	8	10	18	32	52	75
155°	3	2	2	3	5	6	8	12	19	32	49
157.5°	3	3	3	3	4	5	6	9	11	18	28
160°	3	3	2	2	3	3	4	6	8	10	14
162.5°	3	3	3	2	2	2	3	4	5	7	9
165°	3	3	2	2	2	2	2	2	3	4	5
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P201301

CATALOG NUMBER: 4LBLELD4-11-SYMW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1199	1199	1199	1199	1199	1199	1199	1199	1199	1199	1199
2.5°	1206	1201	1199	1195	1192	1190	1187	1185	1183	1182	1182
5°	1207	1202	1200	1197	1196	1194	1192	1194	1193	1194	1193
7.5°	1208	1204	1204	1203	1202	1202	1200	1202	1203	1204	1203
10°	1211	1210	1212	1213	1213	1213	1213	1215	1219	1219	1218
12.5°	1216	1219	1225	1230	1232	1232	1236	1240	1245	1246	1245
15°	1226	1235	1248	1259	1264	1267	1275	1282	1287	1289	1287
17.5°	1244	1261	1281	1297	1303	1307	1318	1325	1331	1336	1334
20°	1268	1291	1315	1334	1342	1347	1359	1372	1378	1382	1381
22.5°	1294	1321	1348	1371	1380	1386	1401	1413	1422	1427	1426
25°	1319	1350	1383	1408	1419	1426	1442	1456	1466	1470	1469
27.5°	1344	1380	1416	1445	1456	1465	1484	1499	1511	1514	1514
30°	1364	1406	1445	1478	1490	1502	1523	1543	1554	1558	1557
32.5°	1383	1430	1474	1511	1526	1538	1563	1585	1598	1602	1598
35°	1402	1454	1503	1543	1559	1574	1602	1627	1641	1645	1643
37.5°	1420	1478	1531	1575	1594	1610	1639	1669	1684	1688	1684
40°	1437	1500	1558	1606	1627	1646	1680	1710	1727	1732	1730
42.5°	1453	1522	1585	1638	1662	1682	1720	1753	1771	1777	1772
45°	1467	1544	1612	1669	1695	1718	1761	1797	1815	1822	1816
47.5°	1481	1564	1637	1700	1730	1754	1802	1840	1861	1867	1861
50°	1494	1584	1664	1732	1764	1791	1843	1884	1905	1914	1906
52.5°	1506	1603	1689	1762	1797	1827	1883	1927	1952	1958	1950
55°	1518	1621	1711	1790	1828	1860	1921	1967	1992	1999	1991
57.5°	1528	1637	1732	1817	1856	1893	1954	2002	2028	2036	2028
60°	1535	1650	1751	1839	1880	1918	1983	2031	2057	2065	2057
62.5°	1540	1660	1764	1856	1900	1939	2005	2052	2079	2087	2079
65°	1541	1664	1771	1867	1912	1951	2018	2065	2093	2100	2092
67.5°	1535	1660	1771	1869	1914	1954	2021	2068	2095	2103	2095
70°	1523	1648	1761	1861	1906	1946	2012	2060	2087	2095	2086
72.5°	1500	1627	1740	1842	1885	1924	1989	2036	2062	2071	2061
75°	1467	1594	1707	1805	1850	1886	1951	1997	2021	2029	2020
77.5°	1424	1552	1661	1758	1803	1836	1899	1944	1968	1975	1966
80°	1374	1501	1606	1702	1744	1775	1838	1881	1904	1911	1906
82.5°	1319	1443	1545	1639	1679	1710	1772	1814	1837	1847	1839
85°	1263	1382	1482	1573	1613	1646	1703	1745	1768	1776	1771
87.5°	1207	1322	1419	1507	1544	1578	1635	1677	1700	1708	1702
90°	1160	1270	1363	1450	1488	1519	1574	1614	1637	1645	1640
92.5°	1122	1227	1317	1397	1433	1466	1519	1558	1581	1588	1583
95°	1086	1188	1275	1353	1388	1420	1470	1508	1530	1537	1533
97.5°	1052	1150	1234	1310	1346	1375	1423	1459	1481	1487	1481
100°	1014	1113	1195	1270	1301	1330	1378	1414	1433	1441	1436
102.5°	978	1073	1154	1228	1261	1290	1334	1369	1391	1396	1391
105°	941	1033	1112	1185	1218	1246	1290	1324	1345	1351	1346
107.5°	903	992	1071	1140	1172	1198	1243	1276	1294	1305	1297
110°	862	950	1026	1093	1124	1149	1193	1226	1243	1253	1246



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	824	907	980	1045	1074	1099	1142	1174	1190	1200	1193
115°	784	861	933	995	1024	1047	1090	1120	1136	1145	1139
117.5°	741	816	884	945	972	995	1036	1066	1081	1088	1082
120°	699	772	836	894	921	943	983	1011	1025	1033	1027
122.5°	655	726	784	842	867	888	924	954	967	974	970
125°	608	678	734	787	811	831	866	891	906	913	909
127.5°	559	626	683	732	755	777	806	834	844	852	848
130°	504	571	624	674	696	714	746	769	782	789	786
132.5°	450	512	568	613	634	653	682	704	722	723	719
135°	398	452	503	551	572	591	617	637	654	655	650
137.5°	348	398	442	487	509	529	553	572	588	591	584
140°	300	346	386	426	447	466	492	508	521	522	518
142.5°	254	296	331	368	387	404	433	449	461	464	458
145°	211	248	281	313	329	345	374	393	403	406	400
147.5°	170	201	230	259	273	288	312	336	345	347	342
150°	132	158	184	208	220	233	254	276	288	290	286
152.5°	97	119	140	160	170	180	198	219	234	235	231
155°	66	84	101	116	125	133	147	163	179	180	177
157.5°	40	52	66	78	84	91	101	113	127	130	127
160°	20	27	35	43	48	53	58	68	76	83	79
162.5°	10	12	14	18	20	23	27	31	35	42	37
165°	6	7	8	8	9	9	9	9	9	13	9
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: 4LBLED-LD4-11-SYMW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1199	1199	1199	1199	1199	1199	1199	1199	1199	1199	1199
2.5°	1185	1187	1191	1193	1195	1197	1201	1207	1202	1197	1198
5°	1193	1193	1194	1197	1197	1198	1202	1208	1203	1196	1196
7.5°	1203	1202	1203	1204	1203	1203	1205	1208	1202	1194	1192
10°	1217	1214	1213	1214	1213	1210	1211	1211	1203	1191	1186
12.5°	1242	1237	1233	1232	1229	1224	1221	1217	1205	1191	1181
15°	1283	1275	1267	1264	1259	1247	1237	1228	1211	1191	1177
17.5°	1329	1319	1308	1304	1297	1280	1263	1246	1222	1194	1174
20°	1373	1361	1348	1341	1334	1313	1293	1271	1240	1203	1173
22.5°	1417	1403	1385	1379	1370	1346	1322	1297	1260	1216	1175
25°	1460	1444	1427	1417	1407	1380	1351	1321	1279	1231	1182
27.5°	1503	1485	1464	1453	1443	1413	1380	1346	1299	1245	1191
30°	1545	1525	1500	1488	1476	1442	1404	1366	1315	1257	1197
32.5°	1587	1565	1537	1523	1509	1470	1428	1385	1329	1268	1202
35°	1628	1604	1573	1556	1541	1499	1452	1404	1342	1277	1205
37.5°	1670	1643	1609	1590	1573	1527	1475	1421	1356	1284	1208
40°	1712	1683	1645	1625	1604	1554	1498	1438	1368	1291	1209
42.5°	1755	1723	1681	1659	1637	1581	1519	1453	1378	1296	1208
45°	1798	1762	1717	1692	1668	1607	1540	1466	1387	1299	1206
47.5°	1841	1803	1754	1727	1698	1633	1560	1480	1395	1300	1204
50°	1885	1844	1791	1761	1731	1658	1580	1492	1400	1301	1199
52.5°	1928	1884	1827	1795	1760	1683	1599	1504	1404	1300	1192
55°	1967	1921	1861	1827	1788	1706	1616	1514	1406	1297	1183
57.5°	2003	1956	1893	1855	1817	1728	1632	1525	1408	1292	1173
60°	2031	1984	1918	1880	1839	1746	1645	1531	1408	1285	1160
62.5°	2052	2005	1939	1899	1856	1761	1655	1537	1408	1278	1147
65°	2065	2019	1951	1911	1867	1768	1660	1538	1404	1268	1131
67.5°	2067	2021	1953	1914	1869	1768	1657	1533	1396	1255	1113
70°	2058	2012	1945	1905	1861	1759	1646	1521	1382	1238	1092
72.5°	2035	1988	1923	1882	1839	1738	1623	1499	1359	1214	1067
75°	1995	1949	1885	1847	1803	1704	1588	1467	1327	1184	1036
77.5°	1942	1897	1834	1796	1755	1658	1544	1424	1288	1147	1000
80°	1879	1836	1774	1737	1697	1603	1491	1374	1240	1103	960
82.5°	1812	1770	1710	1672	1634	1543	1436	1320	1189	1056	917
85°	1747	1702	1642	1607	1569	1480	1379	1264	1137	1008	875
87.5°	1679	1635	1576	1543	1507	1417	1321	1209	1088	965	834
90°	1617	1574	1517	1484	1450	1363	1269	1163	1046	927	800
92.5°	1560	1520	1466	1434	1401	1318	1228	1125	1012	897	773
95°	1511	1472	1422	1391	1357	1278	1190	1089	981	869	748
97.5°	1462	1425	1376	1346	1314	1237	1152	1055	949	838	721
100°	1417	1381	1331	1304	1273	1199	1115	1020	916	807	692
102.5°	1373	1337	1289	1262	1232	1158	1076	982	881	776	664
105°	1328	1293	1245	1218	1188	1116	1036	945	846	744	635
107.5°	1279	1245	1199	1172	1144	1072	995	906	811	711	605
110°	1229	1195	1153	1124	1097	1027	952	867	774	677	574



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1177	1144	1103	1076	1048	981	909	827	737	642	542
115°	1124	1091	1050	1023	998	934	864	786	699	607	510
117.5°	1066	1037	998	974	948	884	819	744	661	570	477
120°	1012	984	946	920	897	836	774	701	619	534	443
122.5°	955	925	890	868	843	787	727	657	577	493	406
125°	895	867	833	812	789	736	679	609	533	452	368
127.5°	834	808	775	756	734	682	627	559	483	407	329
130°	772	746	716	696	675	626	572	505	433	362	291
132.5°	707	682	652	634	615	568	513	448	384	320	254
135°	640	617	590	573	554	506	454	395	338	279	218
137.5°	575	554	528	511	490	445	399	346	294	239	182
140°	511	492	467	448	430	388	346	298	251	201	150
142.5°	451	434	406	388	371	334	297	252	210	165	121
145°	392	377	346	330	316	283	246	209	171	132	94
147.5°	335	317	288	274	261	232	201	167	136	102	69
150°	280	258	233	221	210	185	158	130	103	74	48
152.5°	223	200	183	171	161	141	119	95	73	50	30
155°	165	149	133	127	118	101	83	64	46	30	17
157.5°	114	102	92	86	79	66	51	37	26	16	8
160°	69	61	54	49	44	35	25	17	11	5	3
162.5°	31	26	23	20	17	13	8	4	2	1	1
165°	6	4	3	2	1	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P201301

CATALOG NUMBER: 4LBLED-LD4-11-SYMW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1199	1199	1199	1199	1199	1199	1199	1199
2.5°	1199	1200	1201	1201	1204	1209	1216	1217
5°	1196	1197	1197	1198	1201	1205	1211	1212
7.5°	1191	1191	1191	1191	1193	1197	1202	1203
10°	1184	1182	1181	1180	1181	1185	1189	1190
12.5°	1176	1171	1169	1168	1168	1169	1173	1173
15°	1167	1159	1156	1154	1150	1150	1154	1154
17.5°	1158	1147	1141	1137	1131	1130	1132	1130
20°	1150	1133	1125	1118	1109	1106	1106	1103
22.5°	1142	1119	1108	1098	1084	1079	1076	1074
25°	1137	1104	1090	1078	1059	1048	1045	1041
27.5°	1136	1092	1073	1058	1032	1019	1011	1006
30°	1136	1080	1055	1034	1002	982	974	972
32.5°	1135	1071	1041	1014	973	947	935	932
35°	1132	1062	1027	994	944	911	894	890
37.5°	1128	1051	1014	976	914	874	853	847
40°	1124	1040	998	957	884	836	809	802
42.5°	1117	1028	984	939	856	798	767	756
45°	1110	1014	967	919	828	759	720	709
47.5°	1101	999	950	897	802	721	677	663
50°	1091	984	931	876	774	684	630	615
52.5°	1080	967	912	854	746	649	586	567
55°	1066	948	890	829	717	613	541	519
57.5°	1051	929	869	806	688	579	497	472
60°	1033	907	843	780	658	544	453	424
62.5°	1014	885	820	753	628	510	410	377
65°	994	860	794	725	596	474	368	330
67.5°	970	833	765	695	563	438	327	284
70°	946	804	733	663	529	402	288	239
72.5°	917	773	701	630	494	367	250	194
75°	885	741	668	596	458	330	212	150
77.5°	851	706	634	561	424	295	177	113
80°	815	669	598	525	388	260	143	78
82.5°	775	633	562	489	354	226	112	48
85°	737	597	528	456	321	192	84	24
87.5°	700	564	497	426	293	166	61	7
90°	670	537	471	402	271	147	46	0
92.5°	646	516	451	384	255	134	39	0
95°	623	494	432	365	239	123	31	0
97.5°	598	473	411	346	223	111	25	0
100°	573	450	390	327	205	99	18	0
102.5°	546	426	367	306	189	86	12	0
105°	520	402	345	285	172	75	8	0
107.5°	492	378	322	265	155	63	5	0
110°	464	354	299	244	139	52	4	0



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	436	329	276	222	123	42	3	1
115°	406	303	252	200	107	33	3	1
117.5°	376	276	229	179	92	25	2	1
120°	345	252	204	159	78	18	2	1
122.5°	315	227	181	138	64	14	2	1
125°	284	198	158	119	51	11	2	1
127.5°	251	171	134	98	39	8	2	1
130°	217	144	111	80	28	6	2	1
132.5°	185	121	90	63	20	5	2	1
135°	156	98	71	47	14	4	1	1
137.5°	128	78	54	34	10	3	2	1
140°	103	59	39	24	7	2	2	1
142.5°	80	42	27	16	5	2	1	1
145°	59	28	18	10	4	2	2	2
147.5°	40	19	11	7	3	2	2	1
150°	26	12	7	5	2	2	2	1
152.5°	16	7	4	3	2	2	2	1
155°	8	4	3	2	2	2	2	2
157.5°	4	3	2	2	2	2	2	2
160°	2	2	1	1	2	2	2	2
162.5°	1	1	1	1	2	2	2	2
165°	0	1	1	1	2	2	2	2
167.5°	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0

(END OF REPORT)