

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: FAIL-SAFE

Report Number: P27217

Luminaire Tested: **FMB-N-4-LD4-2DN/HI-40-UNV-80/86**

Test Date: 12/28/15

Test Information

Test Method: LM-79-08
Report Number: P27217
Test Lab: INNOVATION CENTER-P2
Test Date: 12/28/15
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FMB-N-4-LD4-2DN/HI-40-UNV-80/86
Description: FAILSAFE LED 4FT FMB WALL MOUNT CORRECTIONAL LUMINAIRE
Light Source: (168) LUMILEDS 4000K LEDS
2UT217042A8404A
Ballast/Driver: (2) OSRAM ELECTRONIC DRIVER
OT50W

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5263.7 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.67' x L: 0.29' x H: 0.04')
CIE Type: Direct

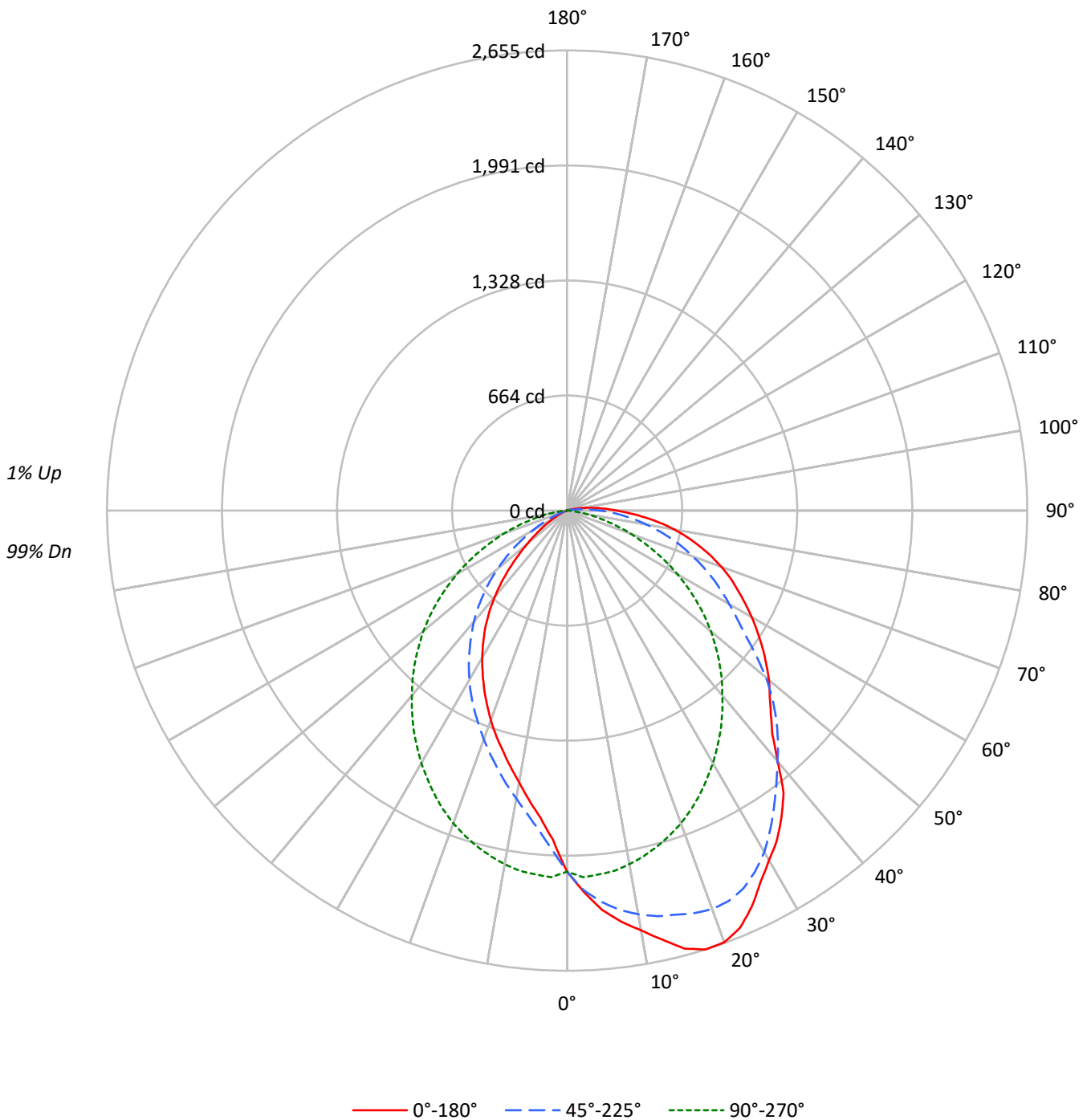
Input Watts (W): 90.6
Input Voltage (V): 120.07
Input Current (Ain): 0.75774
Voltage Rise (V): NR
Power Factor: 0.9993
Total Harmonic Distortion (THDi): 7.88%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P27217

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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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99								
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83								
2	99	91	84	78	96	89	83	77	85	80	75	82	77	73	78	75	72	69								
3	91	80	72	66	88	78	71	65	75	69	64	72	67	63	70	65	61	59								
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51								
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45								
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39								
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35								
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31								
9	58	44	36	31	56	44	36	31	43	36	31	41	35	30	40	34	30	28								
10	54	41	33	28	53	41	33	28	39	33	28	38	32	28	38	32	28	26								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20965	20965	20965
5°	23071	21267	17732
10°	24514	21134	15881
15°	26254	20839	14391
20°	26991	20480	13104
25°	26248	19984	11797
30°	25016	19421	10522
35°	24082	18821	9182
40°	22174	18130	7614
45°	20700	17494	5829
50°	20338	16716	4054
55°	20040	15731	2623
60°	19849	14530	1436
65°	19780	12950	693
70°	19992	11129	85
75°	20038	8692	0
80°	20076	5990	0
85°	19650	2964	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	3.7
10°-20°	560.5	10.6
20°-30°	830.4	15.8
30°-40°	943.2	17.9
40°-50°	896.1	17.0
50°-60°	742.5	14.1
60°-70°	540.2	10.3
70°-80°	335.4	6.4
80°-90°	162.0	3.1
90°-100°	49.5	0.9
100°-110°	8.0	0.2
110°-120°	0.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1586.6	30.1
0°-40°	2529.8	48.1
0°-60°	4168.4	79.2
0°-90°	5206.0	98.9
90°-120°	57.7	1.1
90°-150°	57.7	1.1
90°-180°	58.0	1.1
0°-180°	5263.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2083	2083	2083	2083	2083	
5°	2312	2266	2107	1851	1777	225
15°	2616	2414	2006	1544	1434	737
25°	2521	2406	1809	1268	1133	1156
35°	2156	2082	1544	981	822	1341
45°	1662	1706	1243	680	468	1294
55°	1375	1256	911	375	180	1231
65°	1085	928	557	115	38	1078
75°	790	619	233	10	0	833
85°	448	322	29	1	0	404
90°	288	189	2	1	0	159
95°	168	85	2	1	0	120
105°	33	2	2	1	0	39
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P27217

CATALOG NUMBER: FMB-N-4-LD4-2DN/HI-40-UNV-80/86

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083
2.5°	2202	2203	2208	2210	2214	2209	2207	2205	2209	2213	2192
5°	2312	2308	2315	2306	2306	2299	2296	2289	2289	2286	2266
7.5°	2393	2391	2391	2386	2383	2376	2371	2361	2356	2350	2324
10°	2459	2462	2464	2454	2446	2436	2429	2414	2406	2396	2365
12.5°	2536	2537	2534	2523	2508	2495	2485	2466	2451	2432	2397
15°	2616	2619	2614	2601	2582	2565	2552	2521	2490	2457	2414
17.5°	2655	2658	2652	2643	2625	2613	2598	2568	2531	2493	2435
20°	2651	2654	2649	2640	2622	2614	2600	2571	2544	2503	2447
22.5°	2606	2605	2604	2594	2580	2571	2562	2544	2519	2486	2438
25°	2521	2522	2526	2521	2514	2508	2501	2485	2464	2445	2406
27.5°	2416	2420	2424	2416	2412	2414	2417	2406	2394	2374	2348
30°	2330	2329	2333	2326	2323	2322	2316	2305	2298	2292	2275
32.5°	2254	2247	2249	2243	2236	2234	2226	2213	2200	2191	2181
35°	2156	2159	2161	2156	2149	2150	2146	2128	2108	2095	2082
37.5°	2051	2052	2055	2056	2058	2054	2056	2040	2025	2001	1983
40°	1890	1901	1911	1925	1944	1948	1956	1949	1936	1916	1888
42.5°	1752	1764	1767	1776	1795	1805	1823	1839	1838	1821	1801
45°	1662	1667	1668	1667	1671	1677	1681	1697	1720	1719	1706
47.5°	1586	1593	1590	1583	1581	1577	1573	1567	1580	1600	1607
50°	1520	1522	1519	1511	1499	1494	1489	1469	1459	1467	1497
52.5°	1447	1450	1446	1436	1430	1420	1412	1386	1366	1353	1374
55°	1375	1378	1375	1362	1355	1345	1337	1311	1286	1266	1256
57.5°	1302	1305	1300	1290	1281	1272	1262	1237	1213	1187	1162
60°	1230	1232	1227	1217	1207	1199	1189	1166	1139	1114	1080
62.5°	1157	1160	1156	1146	1136	1128	1119	1093	1066	1041	1003
65°	1085	1088	1083	1071	1062	1053	1045	1019	993	965	928
67.5°	1020	1015	1011	999	992	980	971	949	919	889	849
70°	946	942	939	926	917	906	898	875	844	813	771
72.5°	869	866	863	851	841	834	825	801	770	737	696
75°	790	787	780	774	764	760	748	726	695	660	619
77.5°	710	706	701	694	685	679	669	650	619	584	541
80°	627	624	620	614	603	597	588	567	543	507	465
82.5°	541	537	535	531	525	519	509	488	465	431	391
85°	448	444	445	442	439	434	428	408	388	356	322
87.5°	361	359	357	355	353	350	344	327	311	284	252
90°	288	285	284	280	276	272	266	252	239	215	189
92.5°	223	221	220	216	209	205	199	185	174	154	132
95°	168	165	164	159	152	148	142	128	118	102	85
97.5°	120	120	116	112	105	101	98	84	75	62	50
100°	81	79	78	75	68	65	62	52	45	36	28
102.5°	52	51	50	46	43	40	37	32	27	22	17
105°	33	33	32	29	27	26	24	20	12	5	2
107.5°	19	19	18	14	11	8	6	3	1	1	1
110°	2	2	2	1	1	1	1	1	1	1	1



TEST NUMBER: P27217

CATALOG NUMBER: FMB-N-4-LD4-2DN/HI-40-UNV-80/86

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083
2.5°	2177	2167	2158	2150	2144	2137	2127	2128	2125	2117	2095
5°	2247	2233	2218	2202	2192	2181	2160	2146	2130	2107	2069
7.5°	2296	2272	2251	2228	2217	2205	2180	2159	2132	2096	2040
10°	2329	2299	2270	2238	2221	2207	2179	2155	2120	2072	2005
12.5°	2352	2318	2284	2248	2228	2208	2172	2142	2101	2042	1967
15°	2367	2324	2283	2241	2220	2199	2156	2116	2071	2006	1923
17.5°	2372	2319	2272	2226	2201	2177	2128	2082	2036	1966	1870
20°	2378	2312	2251	2196	2173	2148	2094	2045	1994	1920	1815
22.5°	2369	2296	2228	2169	2138	2110	2053	1999	1945	1867	1756
25°	2344	2276	2201	2129	2095	2064	2006	1946	1888	1809	1692
27.5°	2307	2234	2167	2089	2049	2013	1948	1888	1827	1746	1628
30°	2234	2183	2116	2040	1996	1957	1886	1823	1760	1682	1561
32.5°	2157	2106	2051	1979	1937	1894	1817	1762	1690	1613	1493
35°	2063	2025	1968	1906	1868	1828	1747	1690	1621	1544	1426
37.5°	1964	1931	1885	1827	1792	1754	1671	1613	1548	1470	1356
40°	1865	1832	1794	1740	1709	1677	1597	1533	1471	1393	1286
42.5°	1766	1731	1702	1656	1629	1594	1523	1454	1393	1320	1218
45°	1675	1636	1606	1569	1542	1513	1446	1373	1313	1243	1145
47.5°	1583	1546	1508	1476	1460	1427	1367	1294	1231	1162	1070
50°	1488	1457	1419	1386	1368	1343	1283	1206	1145	1082	993
52.5°	1389	1369	1332	1293	1273	1251	1198	1126	1061	998	912
55°	1276	1275	1245	1203	1181	1161	1111	1043	973	911	832
57.5°	1161	1176	1154	1115	1089	1069	1022	959	888	823	743
60°	1058	1069	1064	1022	998	969	931	872	799	736	660
62.5°	973	962	968	934	909	884	837	783	713	646	575
65°	890	867	866	842	817	793	744	693	624	557	489
67.5°	816	781	763	748	726	702	651	603	537	470	406
70°	738	699	668	653	634	612	560	512	450	390	325
72.5°	658	619	582	556	545	522	472	422	370	309	250
75°	578	540	501	463	454	434	387	338	289	233	182
77.5°	500	460	423	380	365	348	306	260	215	168	123
80°	424	384	346	303	286	268	232	189	149	110	74
82.5°	354	313	274	237	215	196	163	129	93	63	38
85°	281	244	208	172	154	137	108	78	51	29	15
87.5°	217	181	149	118	102	89	63	40	22	9	5
90°	158	127	100	74	61	52	32	17	7	2	2
92.5°	107	82	61	42	33	26	14	7	2	2	2
95°	66	48	34	22	16	13	5	2	2	2	2
97.5°	37	26	18	11	5	2	2	2	2	2	2
100°	21	15	4	2	2	2	2	2	2	2	2
102.5°	7	2	2	2	2	2	2	2	2	2	2
105°	1	1	1	2	2	2	2	2	2	2	2
107.5°	1	1	2	2	2	2	2	2	2	2	2
110°	2	2	2	2	2	2	2	2	2	2	2



TEST NUMBER: P27217

CATALOG NUMBER: FMB-N-4-LD4-2DN/HI-40-UNV-80/86

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	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: P27217

CATALOG NUMBER: FMB-N-4-LD4-2DN/HI-40-UNV-80/86

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083
2.5°	2063	2036	2015	2009	2002	1982	1968	1962	1961	1959	1944
5°	2024	1984	1951	1938	1925	1895	1873	1860	1851	1845	1824
7.5°	1982	1930	1884	1867	1852	1817	1792	1776	1765	1755	1733
10°	1937	1875	1824	1805	1787	1748	1720	1703	1687	1676	1650
12.5°	1887	1817	1763	1743	1723	1682	1654	1634	1617	1598	1573
15°	1833	1757	1701	1679	1660	1617	1583	1561	1544	1526	1500
17.5°	1772	1698	1638	1616	1596	1550	1517	1489	1474	1454	1426
20°	1710	1634	1575	1551	1526	1480	1451	1425	1405	1382	1354
22.5°	1645	1566	1508	1484	1459	1416	1382	1356	1335	1312	1285
25°	1576	1501	1440	1415	1391	1348	1315	1288	1268	1243	1211
27.5°	1507	1433	1371	1348	1322	1280	1247	1222	1200	1171	1139
30°	1439	1364	1302	1278	1254	1211	1178	1154	1128	1098	1065
32.5°	1370	1294	1234	1211	1187	1147	1111	1084	1056	1024	992
35°	1302	1225	1166	1142	1118	1079	1042	1011	981	951	917
37.5°	1234	1157	1096	1074	1047	1011	972	941	909	876	842
40°	1163	1086	1026	1004	976	941	900	869	837	801	765
42.5°	1094	1017	953	927	904	869	828	796	762	723	688
45°	1023	945	882	854	831	795	752	720	680	645	609
47.5°	951	873	807	779	761	719	677	642	606	567	533
50°	878	799	732	704	686	643	600	563	524	488	452
52.5°	807	724	656	629	610	567	523	486	447	410	371
55°	726	649	580	554	534	490	446	410	375	333	294
57.5°	647	571	509	478	459	414	370	336	300	261	224
60°	567	494	435	403	386	341	299	263	231	192	163
62.5°	488	417	362	338	312	271	231	199	169	136	112
65°	409	343	290	268	244	206	171	141	115	89	73
67.5°	332	271	224	204	181	149	118	92	72	54	45
70°	259	205	163	146	127	100	75	56	42	33	28
72.5°	192	146	112	97	82	61	43	33	25	21	14
75°	134	94	69	58	48	34	24	19	10	2	1
77.5°	85	56	38	31	25	18	11	2	1	1	1
80°	48	29	19	16	14	3	2	2	1	1	1
82.5°	22	13	8	3	2	2	2	2	1	1	1
85°	9	3	2	2	2	2	1	1	1	1	1
87.5°	2	2	2	2	1	1	1	1	1	1	1
90°	2	2	2	2	2	1	1	1	1	1	1
92.5°	2	2	2	2	2	1	1	1	1	1	1
95°	2	2	2	2	2	2	1	1	1	1	1
97.5°	2	2	2	2	2	1	1	1	1	1	1
100°	2	2	2	2	2	2	1	1	1	1	1
102.5°	2	2	2	2	2	1	1	1	1	1	1
105°	2	2	2	2	2	2	1	1	1	1	1
107.5°	2	2	2	2	2	1	1	1	1	1	1
110°	2	2	2	2	2	2	1	1	1	1	1



TEST NUMBER: P27217

CATALOG NUMBER: FMB-N-4-LD4-2DN/HI-40-UNV-80/86

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	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: P27217

CATALOG NUMBER: FMB-N-4-LD4-2DN/HI-40-UNV-80/86

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2083	2083	2083	2083	2083	2083	2083	2083
2.5°	1931	1923	1915	1917	1905	1900	1893	1900
5°	1808	1798	1790	1790	1780	1776	1772	1777
7.5°	1717	1707	1701	1699	1688	1684	1680	1684
10°	1633	1618	1611	1609	1598	1593	1588	1593
12.5°	1554	1541	1533	1530	1519	1516	1511	1513
15°	1482	1468	1459	1456	1442	1437	1431	1434
17.5°	1407	1394	1386	1382	1371	1363	1359	1362
20°	1334	1321	1312	1307	1296	1287	1283	1287
22.5°	1261	1246	1235	1233	1221	1210	1208	1209
25°	1192	1172	1162	1155	1145	1139	1132	1133
27.5°	1120	1100	1087	1080	1069	1061	1055	1056
30°	1045	1025	1012	1003	992	985	978	980
32.5°	970	948	936	926	915	906	900	902
35°	894	870	859	849	836	825	819	822
37.5°	818	792	781	773	756	745	737	739
40°	739	713	698	692	673	661	653	649
42.5°	660	632	618	610	588	573	562	560
45°	578	547	530	523	497	481	469	468
47.5°	495	461	446	434	409	393	386	381
50°	411	376	362	351	328	314	308	303
52.5°	331	298	287	277	258	245	240	237
55°	257	229	220	209	196	186	183	180
57.5°	193	171	163	154	144	136	133	130
60°	138	120	115	109	100	94	91	89
62.5°	94	82	77	73	66	62	60	58
65°	60	51	49	46	42	40	39	38
67.5°	38	33	32	31	29	27	26	26
70°	25	21	19	16	11	7	5	4
72.5°	5	1	1	1	0	0	0	0
75°	1	1	1	1	0	0	0	0
77.5°	1	1	1	1	0	0	0	0
80°	1	1	1	1	0	0	0	0
82.5°	1	1	1	1	0	0	0	0
85°	1	1	1	0	0	0	0	0
87.5°	1	1	0	0	0	0	0	0
90°	1	1	0	0	0	0	0	0
92.5°	1	1	0	0	0	0	0	0
95°	1	1	0	0	0	0	0	0
97.5°	1	0	0	0	0	0	0	0
100°	1	1	0	0	0	0	0	0
102.5°	1	1	0	0	0	0	0	0
105°	1	0	0	0	0	0	0	0
107.5°	1	0	0	0	0	0	0	0
110°	1	0	0	0	0	0	0	0



TEST NUMBER: P27217

CATALOG NUMBER: FMB-N-4-LD4-2DN/HI-40-UNV-80/86

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0
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)