

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: P27372

Luminaire Tested: **MPBL-3-LD4-UNV-2DN-HI-40**

Test Date: 01/26/16

Test Information

Test Method: LM-79-08
Report Number: P27372
Test Lab: INNOVATION CENTER-P2
Test Date: 01/26/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MPBL-3-LD4-UNV-2DN-HI-40
Description: FAILSAFE MPBL LED PATIENT BED LIGHT
Light Source: (168) 4000K NICHIA LEDS
2UT109028A8404A
Ballast/Driver: (2) OSRAM ELECTRONIC DRIVERS
OT50W

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6251.8 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.18 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 3' x L: 0.42' x H: 0.29')
CIE Type: Direct

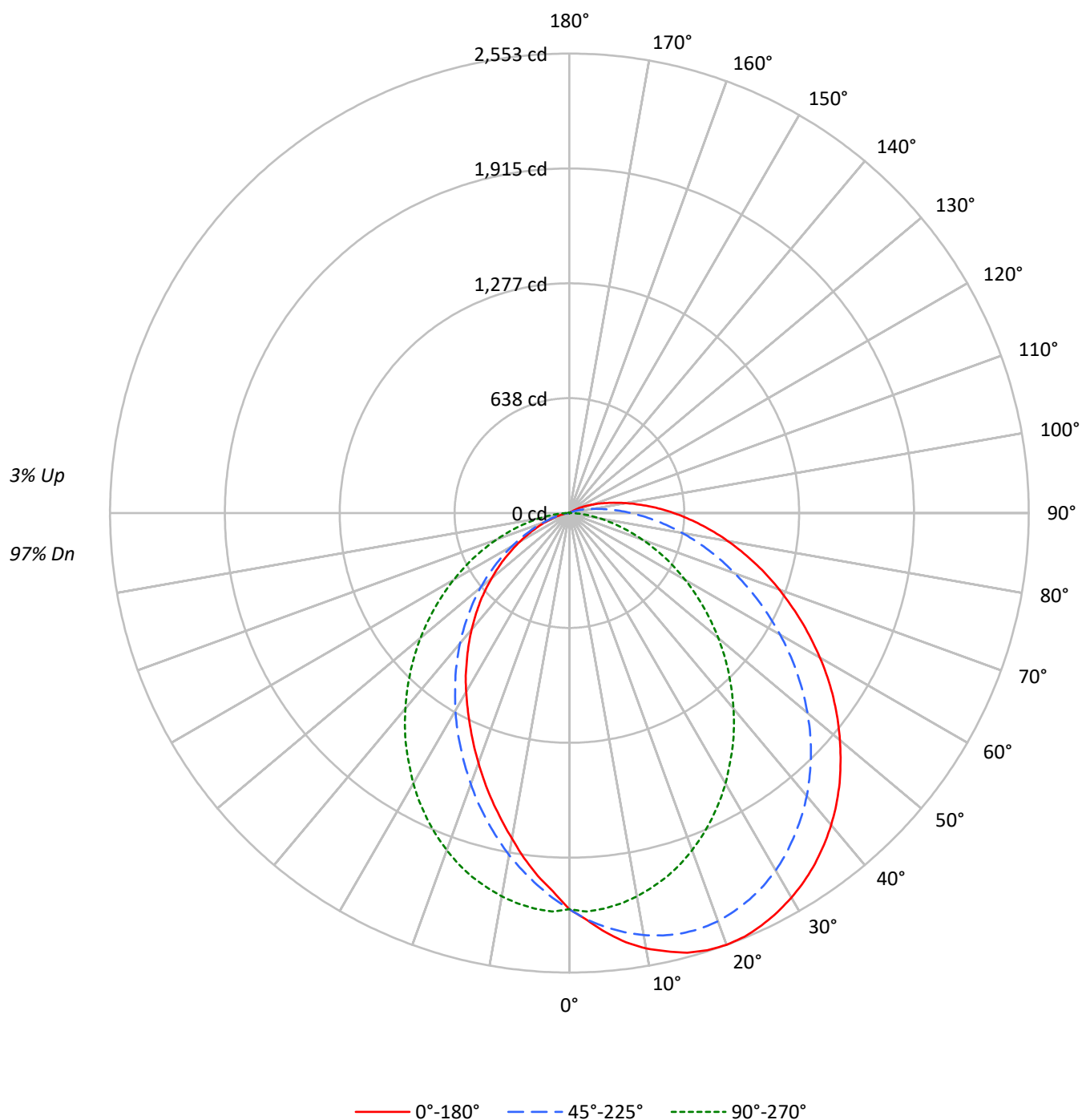
Input Watts (W): 73.2
Input Voltage (V): 120.05
Input Current (Ain): 0.61253
Voltage Rise (V): NR
Power Factor: 0.9987
Total Harmonic Distortion (THDi): 7.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		104	104	104		99	99	99
1	107	102	97	93	104	99	95	91		95	91	88		90	87	85		86	84	82
2	97	89	82	76	94	87	80	74		82	77	72		79	74	70		75	71	68
3	89	78	70	63	86	76	68	62		73	66	61		69	64	59		66	62	58
4	81	69	60	53	79	68	59	53		65	57	52		62	56	51		59	54	50
5	75	62	53	46	72	60	52	46		58	51	45		56	49	44		54	48	43
6	69	56	47	40	67	55	46	40		52	45	39		50	44	39		49	43	38
7	64	51	42	36	62	50	41	35		48	40	35		46	39	34		44	38	34
8	60	46	38	32	58	45	37	32		44	36	31		42	36	31		41	35	30
9	56	42	34	29	54	42	34	28		40	33	28		39	33	28		38	32	28
10	52	39	31	26	51	39	31	26		37	30	26		36	30	25		35	29	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18953	18953	18953
5°	19060	18908	16478
10°	19124	18594	14298
15°	18985	18176	12431
20°	18645	17639	10794
25°	18108	17024	9355
30°	17477	16335	8129
35°	16783	15570	6998
40°	16026	14738	5984
45°	15208	13874	5043
50°	14337	12966	4127
55°	13446	11996	3281
60°	12517	10952	2475
65°	11584	9863	1751
70°	10680	8584	1146
75°	9800	7129	682
80°	8910	5498	279
85°	8024	3650	66



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.8	3.3
10°-20°	589.1	9.4
20°-30°	873.3	14.0
30°-40°	1024.5	16.4
40°-50°	1032.5	16.5
50°-60°	910.1	14.6
60°-70°	699.5	11.2
70°-80°	463.6	7.4
80°-90°	259.3	4.1
90°-100°	123.8	2.0
100°-110°	50.0	0.8
110°-120°	15.6	0.2
120°-130°	2.8	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°	1670.2	26.7
0°-40°	2694.7	43.1
0°-60°	4637.3	74.2
0°-90°	6059.7	96.9
90°-120°	189.4	3.0
90°-150°	192.1	3.1
90°-180°	192.0	3.1
0°-180°	6251.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2201	2201	2201	2201	2201	
5°	2340	2309	2206	2073	2023	227
15°	2529	2418	2092	1770	1656	715
25°	2528	2368	1873	1433	1306	1166
35°	2379	2183	1582	1104	992	1489
45°	2123	1898	1250	792	704	1638
55°	1791	1543	910	502	437	1602
65°	1422	1161	585	250	215	1410
75°	1064	803	292	82	74	1125
85°	731	480	78	7	6	630
90°	580	341	1	3	3	318
95°	440	223	0	1	0	335
105°	217	74	2	1	0	235
115°	79	10	4	2	0	82
125°	8	3	5	3	1	10
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201
2.5°	2264	2263	2266	2269	2274	2276	2278	2279	2271	2269	2262
5°	2340	2340	2340	2340	2341	2342	2341	2339	2327	2321	2309
7.5°	2405	2406	2404	2404	2403	2401	2399	2392	2377	2365	2349
10°	2457	2456	2456	2453	2450	2448	2444	2436	2418	2402	2381
12.5°	2494	2496	2493	2491	2486	2484	2478	2467	2449	2428	2404
15°	2529	2529	2527	2522	2516	2512	2506	2492	2471	2446	2418
17.5°	2547	2549	2546	2540	2533	2528	2522	2505	2482	2454	2421
20°	2553	2554	2550	2543	2535	2528	2521	2503	2480	2448	2414
22.5°	2547	2547	2542	2534	2524	2518	2510	2489	2465	2431	2395
25°	2528	2529	2524	2515	2504	2497	2489	2467	2441	2406	2368
27.5°	2501	2502	2497	2488	2478	2469	2461	2441	2412	2376	2335
30°	2468	2468	2463	2452	2441	2433	2424	2402	2373	2333	2293
32.5°	2427	2427	2420	2409	2397	2388	2380	2354	2323	2288	2242
35°	2379	2379	2372	2359	2346	2338	2325	2301	2268	2232	2183
37.5°	2324	2324	2316	2303	2288	2281	2270	2243	2208	2171	2121
40°	2263	2262	2254	2239	2224	2215	2201	2177	2141	2104	2052
42.5°	2196	2194	2185	2170	2157	2145	2133	2105	2068	2029	1977
45°	2123	2120	2111	2095	2078	2066	2053	2027	1989	1950	1898
47.5°	2044	2042	2032	2020	1998	1990	1972	1946	1906	1863	1815
50°	1963	1961	1950	1937	1916	1906	1888	1860	1820	1776	1727
52.5°	1878	1877	1864	1855	1830	1818	1802	1771	1730	1687	1636
55°	1791	1786	1777	1766	1741	1729	1712	1680	1638	1595	1543
57.5°	1701	1699	1690	1675	1648	1636	1618	1586	1544	1499	1448
60°	1608	1606	1593	1582	1554	1542	1524	1491	1449	1404	1352
62.5°	1515	1514	1505	1489	1461	1449	1430	1397	1354	1309	1256
65°	1422	1418	1413	1396	1369	1354	1337	1303	1259	1216	1161
67.5°	1330	1330	1320	1304	1276	1262	1244	1210	1166	1121	1068
70°	1240	1240	1231	1210	1185	1170	1153	1115	1075	1030	976
72.5°	1152	1152	1138	1122	1096	1081	1064	1027	983	941	891
75°	1064	1063	1052	1035	1008	993	975	940	896	852	803
77.5°	977	977	965	947	922	906	894	853	809	767	718
80°	893	894	881	864	838	822	806	769	725	684	635
82.5°	811	811	799	782	756	740	728	687	645	603	557
85°	731	731	720	703	676	661	649	610	568	526	480
87.5°	654	653	643	626	599	585	572	534	494	453	409
90°	580	579	569	552	526	511	500	463	424	384	341
92.5°	509	507	495	483	456	443	431	397	359	320	280
95°	440	438	428	413	390	377	365	332	298	260	223
97.5°	376	374	365	351	329	316	305	274	243	208	174
100°	317	316	307	294	273	262	252	222	195	164	134
102.5°	264	263	255	242	224	214	205	181	154	127	101
105°	217	216	209	198	181	172	164	142	120	96	74
107.5°	176	177	169	159	144	136	129	110	90	71	52
110°	139	138	133	124	112	105	99	82	66	49	34



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	107	106	102	94	84	78	73	59	45	32	20
115°	79	79	75	69	60	55	50	39	28	18	10
117.5°	57	55	51	46	39	35	31	23	15	9	4
120°	34	34	32	28	23	20	17	11	6	3	2
122.5°	19	19	18	14	11	9	7	4	2	2	3
125°	8	7	6	4	3	2	2	2	2	2	3
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°	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201
2.5°	2258	2250	2240	2230	2224	2219	2216	2216	2216	2216	2209
5°	2300	2287	2270	2254	2245	2237	2227	2221	2213	2206	2192
7.5°	2334	2316	2295	2271	2259	2248	2231	2217	2203	2188	2168
10°	2361	2337	2310	2280	2265	2251	2226	2206	2185	2163	2135
12.5°	2379	2350	2318	2281	2262	2245	2214	2187	2159	2129	2096
15°	2389	2356	2318	2274	2254	2234	2196	2162	2128	2092	2052
17.5°	2388	2350	2307	2259	2235	2212	2168	2128	2087	2046	2001
20°	2377	2336	2288	2236	2209	2183	2134	2088	2041	1993	1944
22.5°	2357	2313	2261	2205	2176	2149	2093	2041	1990	1936	1883
25°	2328	2281	2226	2166	2135	2105	2048	1989	1932	1873	1815
27.5°	2292	2242	2183	2121	2088	2055	1994	1929	1869	1806	1744
30°	2248	2194	2134	2069	2035	2000	1935	1866	1801	1735	1669
32.5°	2194	2139	2080	2010	1976	1938	1870	1801	1728	1657	1591
35°	2135	2079	2018	1946	1910	1872	1802	1729	1653	1582	1511
37.5°	2071	2014	1951	1877	1841	1802	1726	1654	1575	1502	1430
40°	2002	1943	1879	1808	1769	1726	1649	1574	1494	1418	1346
42.5°	1926	1866	1802	1729	1691	1647	1569	1493	1412	1334	1262
45°	1845	1784	1720	1643	1605	1564	1485	1408	1327	1250	1178
47.5°	1761	1699	1635	1557	1520	1482	1399	1323	1246	1166	1089
50°	1670	1611	1546	1470	1432	1395	1311	1235	1156	1080	1006
52.5°	1580	1520	1455	1380	1341	1306	1221	1147	1069	994	919
55°	1487	1426	1362	1289	1250	1215	1130	1058	984	910	837
57.5°	1391	1331	1268	1194	1161	1122	1039	969	896	826	754
60°	1295	1236	1173	1101	1064	1030	950	881	810	743	674
62.5°	1201	1141	1079	1009	976	940	861	795	728	663	597
65°	1107	1048	986	919	886	852	775	712	651	585	522
67.5°	1014	956	896	829	797	764	694	629	567	506	447
70°	923	866	807	742	715	680	609	553	491	432	376
72.5°	835	775	719	657	627	597	531	474	417	360	308
75°	747	691	635	576	546	517	451	400	345	292	244
77.5°	663	611	555	496	470	440	380	330	277	229	185
80°	583	528	479	421	394	368	311	263	216	172	133
82.5°	508	456	402	349	324	299	247	203	159	121	86
85°	434	384	333	283	259	236	186	149	110	78	44
87.5°	364	317	268	221	199	178	136	101	66	36	9
90°	296	252	209	166	146	127	87	58	25	1	0
92.5°	239	196	158	117	100	83	50	25	3	0	0
95°	185	148	111	79	64	51	24	7	0	0	0
97.5°	141	109	78	51	39	29	9	1	1	1	1
100°	105	77	52	30	21	14	2	1	1	1	1
102.5°	75	53	32	17	10	5	1	1	1	1	1
105°	52	34	18	7	3	1	1	2	2	2	2
107.5°	34	20	9	2	2	2	2	2	2	2	2
110°	20	10	3	2	2	2	2	2	3	3	3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	10	4	2	2	2	3	3	3	3	3	3
115°	4	2	2	3	3	3	3	3	3	4	4
117.5°	2	3	3	3	3	4	4	4	4	4	4
120°	3	3	3	4	4	4	4	4	4	4	4
122.5°	3	3	4	4	4	4	4	5	5	5	5
125°	3	3	4	4	4	4	5	5	5	5	5
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201
2.5°	2195	2183	2171	2162	2159	2152	2144	2143	2140	2132	2135
5°	2171	2152	2134	2121	2115	2103	2089	2082	2073	2059	2058
7.5°	2140	2115	2090	2074	2066	2047	2030	2016	2002	1985	1980
10°	2101	2070	2040	2021	2011	1984	1965	1943	1929	1907	1899
12.5°	2055	2018	1984	1961	1950	1921	1895	1869	1850	1826	1815
15°	2005	1963	1923	1898	1885	1851	1821	1791	1770	1744	1731
17.5°	1948	1901	1854	1833	1815	1777	1744	1712	1688	1660	1644
20°	1886	1834	1784	1760	1738	1699	1664	1634	1602	1569	1556
22.5°	1822	1764	1711	1685	1662	1620	1582	1547	1517	1483	1468
25°	1751	1689	1633	1607	1582	1539	1500	1467	1433	1398	1384
27.5°	1676	1611	1554	1524	1502	1457	1417	1384	1350	1319	1301
30°	1599	1533	1474	1444	1421	1375	1335	1301	1267	1232	1218
32.5°	1519	1454	1392	1363	1338	1291	1251	1217	1182	1157	1135
35°	1438	1373	1310	1284	1256	1210	1170	1135	1104	1074	1057
37.5°	1357	1292	1229	1204	1175	1130	1089	1056	1025	996	979
40°	1274	1209	1147	1121	1094	1049	1009	976	946	918	902
42.5°	1190	1126	1066	1036	1017	969	929	897	868	842	827
45°	1107	1044	984	956	937	889	850	820	792	766	752
47.5°	1023	962	908	878	857	811	777	744	718	692	679
50°	941	881	822	798	776	734	697	666	644	621	607
52.5°	859	801	748	720	701	658	627	594	572	550	537
55°	778	722	672	645	625	584	553	523	502	482	470
57.5°	700	645	595	569	550	511	482	454	433	414	404
60°	620	568	522	497	479	442	414	385	368	351	343
62.5°	544	494	450	427	410	374	344	322	307	293	286
65°	471	422	382	359	344	310	283	264	250	239	233
67.5°	399	354	314	293	279	249	226	210	199	190	185
70°	331	289	253	232	220	194	176	163	154	147	144
72.5°	268	228	195	176	167	147	130	122	116	109	108
75°	208	173	142	127	120	104	93	87	82	78	77
77.5°	153	122	97	86	81	71	62	60	56	52	52
80°	104	78	61	53	51	44	38	37	34	31	31
82.5°	61	44	33	29	27	24	20	19	18	16	16
85°	27	19	13	11	11	9	7	7	7	6	6
87.5°	5	3	2	2	2	3	3	3	3	4	4
90°	1	1	1	1	2	2	2	2	3	3	2
92.5°	0	0	1	1	1	1	1	1	1	1	1
95°	0	0	0	0	0	0	0	1	1	0	0
97.5°	1	1	1	1	0	0	0	0	0	0	0
100°	1	1	1	1	1	1	0	0	0	0	0
102.5°	1	1	1	1	1	1	1	1	0	0	0
105°	2	2	2	1	1	1	1	1	1	0	0
107.5°	2	2	2	2	2	2	1	1	1	1	0
110°	3	3	2	2	2	2	2	1	1	1	1



TEST NUMBER: P27372

CATALOG NUMBER: MPBL-3-LD4-UNV-2DN-HI-40

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	3	3	3	3	3	2	2	2	1	1	1
115°	4	4	3	3	3	3	3	2	2	2	1
117.5°	4	4	4	4	4	4	3	3	3	2	2
120°	5	4	4	4	4	4	3	3	3	3	2
122.5°	5	5	5	5	4	4	4	4	3	3	2
125°	5	5	5	5	5	4	4	4	3	3	3
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: P27372

CATALOG NUMBER: MPBL-3-LD4-UNV-2DN-HI-40

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2201	2201	2201	2201	2201	2201	2201	2201
2.5°	2126	2121	2117	2110	2108	2104	2100	2103
5°	2046	2040	2035	2027	2026	2021	2019	2023
7.5°	1964	1957	1951	1942	1939	1933	1929	1933
10°	1880	1865	1862	1852	1847	1839	1835	1837
12.5°	1794	1777	1774	1763	1757	1748	1744	1745
15°	1709	1692	1687	1677	1669	1660	1655	1656
17.5°	1621	1604	1598	1588	1579	1570	1567	1567
20°	1531	1515	1508	1499	1489	1480	1478	1478
22.5°	1444	1427	1420	1412	1402	1393	1392	1391
25°	1363	1342	1336	1327	1317	1308	1306	1306
27.5°	1280	1260	1254	1245	1234	1226	1225	1225
30°	1194	1179	1174	1165	1155	1148	1146	1148
32.5°	1117	1099	1093	1090	1076	1070	1069	1072
35°	1038	1021	1014	1009	1001	994	994	992
37.5°	962	946	939	938	927	921	921	919
40°	886	871	867	860	853	848	847	845
42.5°	812	797	794	791	781	776	775	773
45°	738	724	719	715	709	705	704	704
47.5°	665	653	649	645	639	634	634	634
50°	594	584	579	576	571	566	567	565
52.5°	526	516	511	510	504	500	499	499
55°	459	452	447	446	441	437	437	437
57.5°	398	388	384	384	379	376	378	375
60°	335	329	326	325	322	319	321	318
62.5°	281	275	272	272	268	265	265	265
65°	230	222	221	222	218	216	216	215
67.5°	184	179	176	177	174	172	172	172
70°	141	139	138	137	135	134	133	133
72.5°	106	104	103	103	103	101	100	103
75°	76	75	74	72	72	72	71	74
77.5°	51	51	49	48	49	48	47	48
80°	31	30	29	28	29	28	27	28
82.5°	15	15	14	13	14	13	13	14
85°	7	7	7	6	6	7	6	6
87.5°	4	4	4	4	4	4	4	4
90°	2	2	2	1	2	2	3	3
92.5°	1	1	1	1	1	1	2	2
95°	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0



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CATALOG NUMBER: MPBL-3-LD4-UNV-2DN-HI-40

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	1	0	0	0	0	0	0	0
115°	1	1	1	1	0	0	0	0
117.5°	2	1	1	1	1	1	0	0
120°	2	1	1	1	1	1	0	0
122.5°	2	2	2	2	1	1	1	1
125°	2	2	2	2	1	1	1	1
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)