

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: P27391

Luminaire Tested: **MPBL-4-LD4-UNV-2DN-HI-40**

Test Date: 01/27/16

Test Information

Test Method: LM-79-08
Report Number: P27391
Test Lab: INNOVATION CENTER-P2
Test Date: 01/27/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MPBL-4-LD4-UNV-2DN-HI-40
Description: FAILSAFE MPBL LED PATIENT BED LIGHT
Light Source: (168) 4000K NICHIA LEDS
2UT217042A8404A
Ballast/Driver: (2) OSRAM ELECTRONIC DRIVERS
OT50W

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7671.7 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.19 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 4' x L: 0.42' x H: 0.29')
CIE Type: Direct

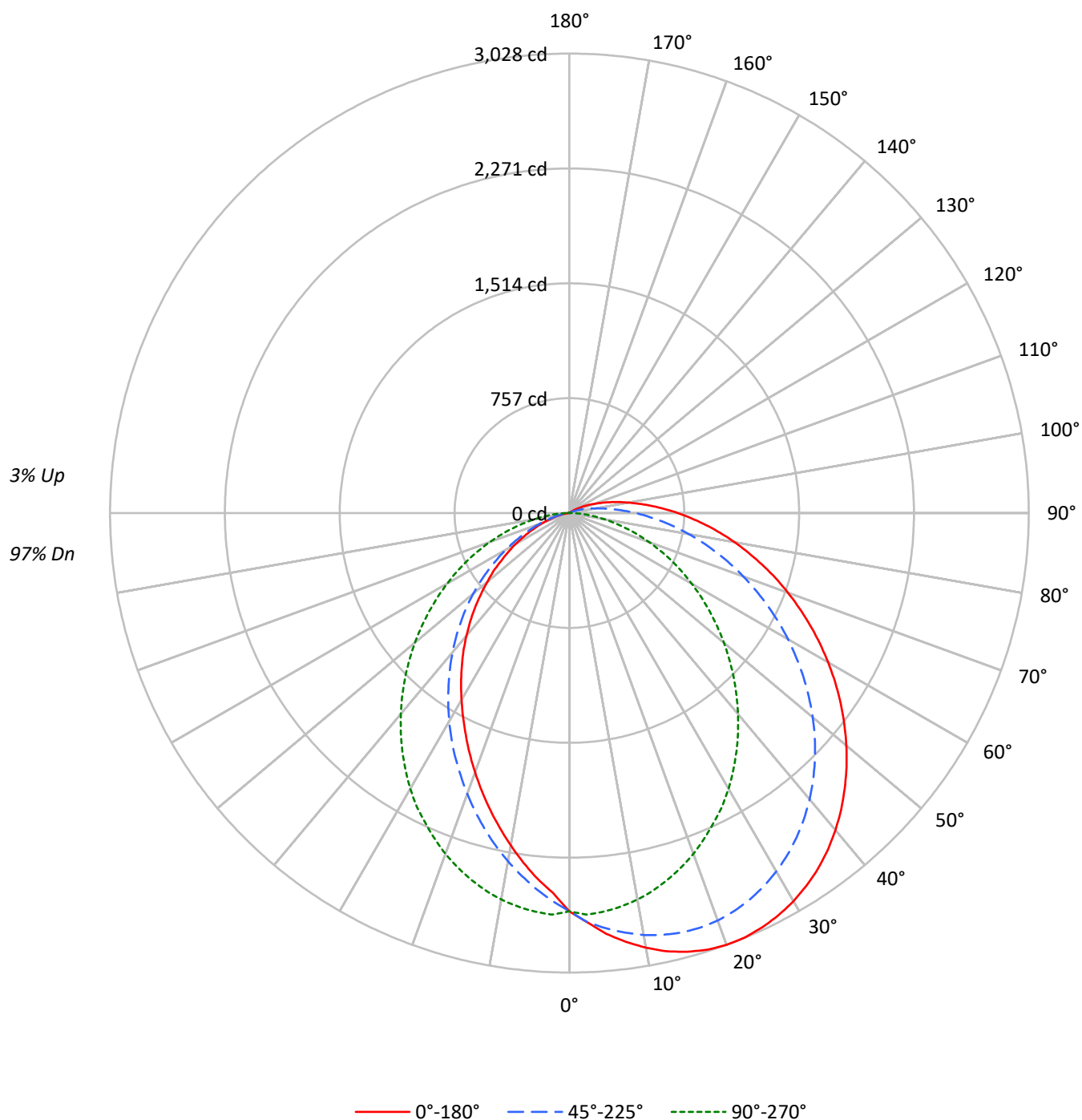
Input Watts (W): 90
Input Voltage (V): 120.09
Input Current (Ain): 0.75223
Voltage Rise (V): NR
Power Factor: 0.9993
Total Harmonic Distortion (THDi): 8.23%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	86	83	81	79		
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	75	71	68	65		
3	88	78	69	62	86	76	68	62	72	66	60	69	63	59	66	61	57	55		
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	59	54	49	47		
5	74	61	52	45	72	60	51	45	58	50	44	55	49	44	53	47	43	40		
6	69	55	46	40	67	54	46	39	52	44	39	50	43	38	48	42	38	35		
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	33	31		
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	40	34	30	28		
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	37	31	27	25		
10	52	39	31	26	51	38	31	25	37	30	25	36	29	25	35	29	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	16947	16947	16947
5°	17001	16981	14771
10°	16975	16744	12983
15°	16851	16408	11384
20°	16585	16001	9958
25°	16176	15506	8682
30°	15683	15014	7552
35°	15127	14395	6545
40°	14489	13736	5609
45°	13786	13033	4717
50°	13053	12285	3867
55°	12292	11493	3086
60°	11501	10677	2394
65°	10698	9832	1723
70°	9896	8794	1156
75°	9083	7532	698
80°	8269	6025	299
85°	7434	4122	107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.0	3.2
10°-20°	705.2	9.2
20°-30°	1051.6	13.7
30°-40°	1242.4	16.2
40°-50°	1261.6	16.4
50°-60°	1123.5	14.6
60°-70°	875.7	11.4
70°-80°	586.6	7.6
80°-90°	327.9	4.3
90°-100°	157.0	2.0
100°-110°	65.6	0.9
110°-120°	22.1	0.3
120°-130°	4.5	0.1
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°	2004.8	26.1
0°-40°	3247.2	42.3
0°-60°	5632.2	73.4
0°-90°	7422.5	96.8
90°-120°	244.7	3.2
90°-150°	249.2	3.2
90°-180°	249.0	3.2
0°-180°	7671.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2624	2624	2624	2624	2624	
5°	2783	2746	2636	2488	2418	269
15°	2993	2861	2502	2156	2022	848
25°	3011	2811	2250	1779	1616	1389
35°	2859	2610	1919	1389	1237	1789
45°	2566	2288	1531	1011	878	1981
55°	2183	1883	1127	651	548	1952
65°	1751	1440	744	335	282	1735
75°	1315	1004	384	115	101	1391
85°	903	607	102	11	13	779
90°	715	436	3	4	8	392
95°	542	287	2	2	4	413
105°	276	101	4	1	0	297
115°	106	21	5	3	0	109
125°	20	4	6	4	1	19
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°	2624	2624	2624	2624	2624	2624	2624	2624	2624	2624	2624
2.5°	2699	2699	2701	2703	2700	2703	2704	2703	2706	2704	2698
5°	2783	2783	2782	2779	2775	2771	2771	2767	2765	2761	2746
7.5°	2850	2852	2850	2845	2836	2834	2832	2824	2818	2808	2788
10°	2908	2910	2904	2899	2891	2885	2882	2872	2862	2847	2824
12.5°	2958	2956	2950	2943	2934	2927	2922	2908	2895	2876	2847
15°	2993	2994	2991	2983	2971	2963	2955	2937	2918	2895	2861
17.5°	3018	3018	3013	3005	2992	2982	2973	2954	2931	2903	2865
20°	3028	3029	3023	3013	2997	2986	2976	2954	2929	2900	2858
22.5°	3026	3028	3021	3008	2990	2978	2967	2942	2915	2885	2839
25°	3011	3013	3006	2993	2974	2962	2950	2923	2892	2860	2811
27.5°	2987	2988	2981	2967	2949	2936	2924	2896	2862	2827	2774
30°	2953	2955	2948	2933	2913	2900	2887	2856	2820	2783	2727
32.5°	2910	2912	2903	2889	2868	2855	2840	2807	2767	2728	2673
35°	2859	2859	2852	2836	2813	2800	2784	2748	2708	2666	2610
37.5°	2798	2798	2790	2774	2750	2736	2720	2682	2637	2597	2540
40°	2728	2729	2720	2703	2679	2665	2648	2612	2562	2521	2463
42.5°	2651	2651	2642	2625	2600	2586	2568	2531	2480	2437	2379
45°	2566	2566	2558	2541	2514	2501	2482	2441	2392	2348	2288
47.5°	2477	2476	2464	2451	2422	2409	2390	2350	2299	2254	2194
50°	2383	2381	2370	2355	2326	2313	2294	2252	2201	2154	2094
52.5°	2284	2283	2268	2253	2226	2213	2193	2148	2095	2050	1989
55°	2183	2180	2166	2151	2122	2109	2089	2044	1990	1944	1883
57.5°	2077	2075	2059	2049	2015	2001	1987	1940	1886	1835	1774
60°	1970	1967	1951	1940	1907	1893	1873	1831	1776	1725	1664
62.5°	1861	1858	1842	1826	1796	1788	1768	1722	1660	1614	1552
65°	1751	1748	1732	1716	1685	1671	1651	1611	1550	1502	1440
67.5°	1641	1638	1621	1604	1574	1560	1540	1499	1437	1391	1329
70°	1532	1530	1511	1495	1465	1455	1430	1388	1333	1282	1219
72.5°	1424	1423	1402	1386	1363	1346	1323	1280	1224	1169	1111
75°	1315	1317	1295	1277	1256	1238	1216	1171	1116	1064	1004
77.5°	1209	1210	1194	1171	1149	1131	1109	1065	1011	957	900
80°	1105	1110	1084	1066	1043	1027	1003	961	907	860	799
82.5°	1002	1002	986	964	941	924	901	858	811	755	701
85°	903	904	887	870	844	826	805	761	714	661	607
87.5°	806	807	791	773	748	730	709	671	621	569	517
90°	715	714	698	682	657	640	619	582	533	483	436
92.5°	626	626	610	594	570	552	534	497	450	403	357
95°	542	541	526	511	488	469	453	418	374	330	287
97.5°	464	463	449	434	412	396	380	348	307	267	228
100°	395	394	380	367	347	330	317	287	250	214	178
102.5°	333	331	319	303	288	273	262	234	201	170	136
105°	276	274	263	249	236	223	211	187	157	130	101
107.5°	225	223	213	203	189	178	167	145	120	96	73
110°	179	177	168	160	147	138	129	111	89	70	51



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	139	138	131	123	113	105	97	82	64	48	34
115°	106	104	99	93	83	78	71	58	44	31	21
117.5°	77	75	72	67	59	55	50	40	28	20	12
120°	53	53	49	45	39	36	32	24	16	10	5
122.5°	34	34	31	28	23	21	18	13	8	4	4
125°	20	19	17	15	12	11	9	6	3	4	4
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°	2624	2624	2624	2624	2624	2624	2624	2624	2624	2624	2624
2.5°	2676	2668	2663	2657	2654	2653	2652	2653	2655	2649	2635
5°	2722	2707	2694	2681	2675	2671	2663	2655	2650	2636	2615
7.5°	2757	2737	2719	2698	2689	2680	2665	2650	2637	2615	2588
10°	2786	2758	2733	2707	2694	2681	2658	2636	2615	2586	2551
12.5°	2804	2770	2737	2704	2689	2672	2642	2612	2584	2548	2508
15°	2813	2772	2733	2694	2674	2654	2617	2580	2545	2502	2454
17.5°	2813	2765	2719	2674	2653	2629	2585	2543	2500	2449	2399
20°	2802	2748	2698	2647	2622	2595	2545	2495	2448	2390	2332
22.5°	2782	2723	2668	2612	2583	2553	2496	2439	2387	2323	2260
25°	2751	2686	2625	2565	2536	2502	2441	2381	2320	2250	2183
27.5°	2712	2645	2576	2513	2480	2443	2378	2313	2248	2180	2102
30°	2665	2591	2521	2453	2418	2379	2308	2239	2169	2098	2015
32.5°	2608	2535	2458	2386	2349	2308	2230	2161	2085	2010	1925
35°	2543	2466	2388	2313	2274	2231	2150	2073	1997	1919	1832
37.5°	2471	2394	2312	2234	2194	2148	2064	1989	1905	1825	1742
40°	2393	2320	2230	2150	2108	2062	1973	1896	1810	1729	1645
42.5°	2307	2234	2142	2061	2019	1970	1880	1801	1713	1630	1546
45°	2215	2140	2051	1967	1924	1875	1784	1699	1613	1531	1447
47.5°	2120	2041	1956	1869	1827	1777	1687	1601	1513	1430	1348
50°	2020	1940	1856	1769	1726	1677	1586	1500	1411	1329	1248
52.5°	1916	1839	1750	1665	1623	1574	1487	1400	1309	1228	1149
55°	1809	1733	1645	1560	1519	1470	1385	1294	1207	1127	1051
57.5°	1701	1624	1541	1453	1412	1370	1280	1194	1106	1029	954
60°	1591	1514	1433	1346	1306	1259	1177	1092	1006	931	859
62.5°	1486	1412	1325	1245	1200	1159	1075	992	907	835	765
65°	1369	1302	1213	1133	1095	1055	974	893	810	744	673
67.5°	1259	1193	1110	1033	991	952	872	795	719	648	585
70°	1151	1085	999	930	888	851	773	702	623	559	498
72.5°	1045	979	894	830	786	753	679	604	534	471	409
75°	940	874	792	730	688	657	584	512	446	384	327
77.5°	836	772	697	633	598	562	498	424	363	303	250
80°	735	673	604	540	502	472	411	341	281	229	180
82.5°	639	580	508	449	417	384	325	265	209	162	118
85°	548	488	424	369	332	308	249	193	145	102	63
87.5°	463	406	341	290	258	233	182	130	88	48	17
90°	381	326	267	218	190	167	119	73	34	3	2
92.5°	304	255	200	155	131	110	69	33	6	2	2
95°	238	191	146	108	89	70	37	12	2	2	2
97.5°	185	143	104	72	56	41	17	4	3	3	3
100°	141	104	71	45	33	22	7	3	3	3	3
102.5°	105	72	46	27	18	11	3	3	3	3	3
105°	73	49	29	15	9	5	3	3	4	4	4
107.5°	52	32	17	7	4	4	4	4	4	4	4
110°	34	19	9	4	4	4	4	4	4	4	4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	21	10	4	4	4	4	4	4	5	5	5
115°	12	5	4	4	4	4	5	5	5	5	5
117.5°	6	4	4	5	5	5	5	6	6	6	6
120°	4	4	4	5	5	5	5	6	6	6	6
122.5°	4	4	5	5	5	5	6	6	6	6	6
125°	4	5	5	5	5	6	6	6	6	6	6
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°	2624	2624	2624	2624	2624	2624	2624	2624	2624	2624	2624
2.5°	2617	2597	2585	2578	2575	2568	2562	2556	2558	2559	2552
5°	2590	2564	2544	2533	2527	2514	2502	2492	2488	2483	2471
7.5°	2554	2522	2495	2482	2473	2453	2436	2420	2411	2402	2386
10°	2512	2473	2440	2424	2411	2386	2364	2344	2330	2317	2298
12.5°	2461	2415	2377	2357	2343	2316	2286	2262	2245	2228	2205
15°	2403	2351	2309	2286	2266	2238	2204	2177	2156	2137	2111
17.5°	2338	2282	2236	2209	2189	2156	2118	2084	2063	2038	2015
20°	2268	2207	2158	2136	2106	2069	2029	1993	1969	1942	1916
22.5°	2192	2127	2075	2051	2019	1980	1937	1900	1872	1843	1816
25°	2112	2043	1987	1962	1929	1888	1842	1803	1779	1743	1716
27.5°	2027	1956	1897	1870	1836	1789	1747	1707	1682	1650	1619
30°	1934	1865	1805	1777	1742	1694	1652	1611	1585	1548	1523
32.5°	1842	1773	1710	1682	1648	1599	1556	1514	1487	1454	1427
35°	1750	1674	1615	1586	1551	1504	1456	1418	1389	1357	1332
37.5°	1654	1584	1519	1491	1456	1408	1361	1322	1294	1262	1237
40°	1556	1487	1423	1395	1360	1312	1266	1228	1198	1168	1144
42.5°	1459	1391	1328	1300	1265	1217	1171	1138	1105	1080	1051
45°	1362	1291	1232	1205	1169	1124	1078	1044	1011	987	955
47.5°	1266	1196	1138	1110	1075	1031	986	951	919	896	865
50°	1169	1101	1043	1016	980	939	895	859	828	805	775
52.5°	1074	1004	949	921	887	848	801	769	739	715	688
55°	980	910	855	829	795	758	712	680	651	628	604
57.5°	884	815	762	736	703	667	622	593	565	544	523
60°	789	723	671	647	615	580	537	509	483	465	446
62.5°	701	641	583	559	528	496	455	429	406	390	375
65°	608	551	499	475	446	410	378	355	335	322	309
67.5°	520	464	415	393	365	337	309	286	269	259	248
70°	434	383	336	315	291	267	243	224	210	200	193
72.5°	354	304	262	243	224	204	184	170	158	151	146
75°	275	231	193	180	165	148	133	124	115	112	108
77.5°	203	164	137	124	114	101	91	86	80	77	74
80°	139	108	87	78	72	65	59	54	50	47	45
82.5°	83	61	49	44	41	36	32	29	26	25	24
85°	38	27	20	18	17	15	13	12	11	11	12
87.5°	9	5	5	5	5	6	6	7	8	8	9
90°	3	3	4	4	4	4	4	5	4	4	4
92.5°	2	2	2	2	2	3	3	3	3	3	3
95°	2	2	2	2	2	1	2	2	2	2	2
97.5°	3	2	2	2	2	2	1	1	1	1	1
100°	3	3	3	2	2	2	2	1	1	1	1
102.5°	3	3	3	3	3	2	2	2	1	1	1
105°	4	4	3	3	3	3	2	2	1	1	1
107.5°	4	4	4	4	3	3	3	2	2	1	1
110°	4	4	4	4	4	3	3	2	2	2	1



TEST NUMBER: P27391

CATALOG NUMBER: MPBL-4-LD4-UNV-2DN-HI-40

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	5	4	4	4	4	4	3	3	2	2	1
115°	5	5	5	5	4	4	4	3	3	2	2
117.5°	6	6	5	5	5	5	4	4	4	3	3
120°	6	6	6	5	5	5	5	4	4	3	3
122.5°	6	6	6	6	5	5	5	4	4	4	3
125°	6	6	6	6	6	5	5	5	4	4	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: P27391

CATALOG NUMBER: MPBL-4-LD4-UNV-2DN-HI-40

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2624	2624	2624	2624	2624	2624	2624	2624
2.5°	2540	2536	2530	2528	2521	2515	2506	2504
5°	2455	2448	2441	2437	2430	2427	2419	2418
7.5°	2367	2358	2350	2346	2339	2334	2325	2324
10°	2277	2261	2256	2251	2240	2233	2225	2224
12.5°	2186	2163	2157	2151	2140	2138	2125	2124
15°	2086	2068	2061	2056	2043	2039	2025	2022
17.5°	1993	1970	1962	1957	1942	1938	1924	1920
20°	1893	1870	1860	1855	1839	1835	1824	1818
22.5°	1791	1768	1756	1753	1737	1733	1723	1717
25°	1686	1668	1656	1653	1637	1633	1622	1616
27.5°	1594	1570	1563	1555	1539	1535	1523	1517
30°	1498	1474	1466	1459	1444	1435	1428	1422
32.5°	1402	1382	1376	1369	1356	1342	1335	1329
35°	1308	1283	1281	1271	1263	1251	1238	1237
37.5°	1214	1195	1189	1183	1172	1160	1147	1147
40°	1121	1103	1097	1087	1080	1068	1057	1056
42.5°	1028	1011	1007	1000	989	978	971	966
45°	938	921	916	910	900	889	877	878
47.5°	844	831	827	821	808	803	794	791
50°	756	744	740	734	723	714	710	706
52.5°	672	659	656	650	641	634	629	633
55°	590	578	575	570	564	556	551	548
57.5°	510	501	498	489	486	480	476	480
60°	436	427	425	417	414	409	406	410
62.5°	366	358	356	349	348	343	339	344
65°	301	294	293	286	286	281	278	282
67.5°	241	236	235	229	229	225	223	227
70°	188	182	183	178	180	178	176	179
72.5°	144	143	142	138	139	137	135	138
75°	106	105	104	101	101	99	98	101
77.5°	72	71	70	67	68	66	65	67
80°	44	43	43	40	41	40	38	40
82.5°	22	22	21	20	20	19	19	20
85°	12	12	12	13	13	13	13	13
87.5°	9	9	9	9	9	9	10	10
90°	4	5	5	5	6	7	8	8
92.5°	4	4	4	5	5	6	6	6
95°	2	3	3	3	3	3	3	4
97.5°	1	1	1	1	1	1	1	1
100°	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0
105°	1	0	0	0	0	0	0	0
107.5°	1	1	0	0	0	0	0	0
110°	1	1	0	0	0	0	0	0



TEST NUMBER: P27391

CATALOG NUMBER: MPBL-4-LD4-UNV-2DN-HI-40

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	1	1	1	1	0	0	0	0
115°	1	1	1	1	1	0	0	0
117.5°	2	2	2	2	1	1	1	0
120°	2	2	2	2	1	1	1	0
122.5°	3	2	2	2	2	1	1	1
125°	3	2	2	2	2	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)