

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: P27267

Luminaire Tested: **MPBL-2-LD4-UNV-1UP-HI-40**

Test Date: 01/08/16

Test Information

Test Method: LM-79-08
Report Number: P27267
Test Lab: INNOVATION CENTER-P2
Test Date: 01/08/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MPBL-2-LD4-UNV-1UP-HI-40
Description: FAILSAFE MPBL LED PATIENT BED LIGHT
Light Source: (42) 4000K NICHIA LEDS
2UT217042A8404A
Ballast/Driver: (1) OSRAM ELECTRONIC DRIVERS
OT25W

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2117.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.42' x H: 0.29')
CIE Type: Indirect

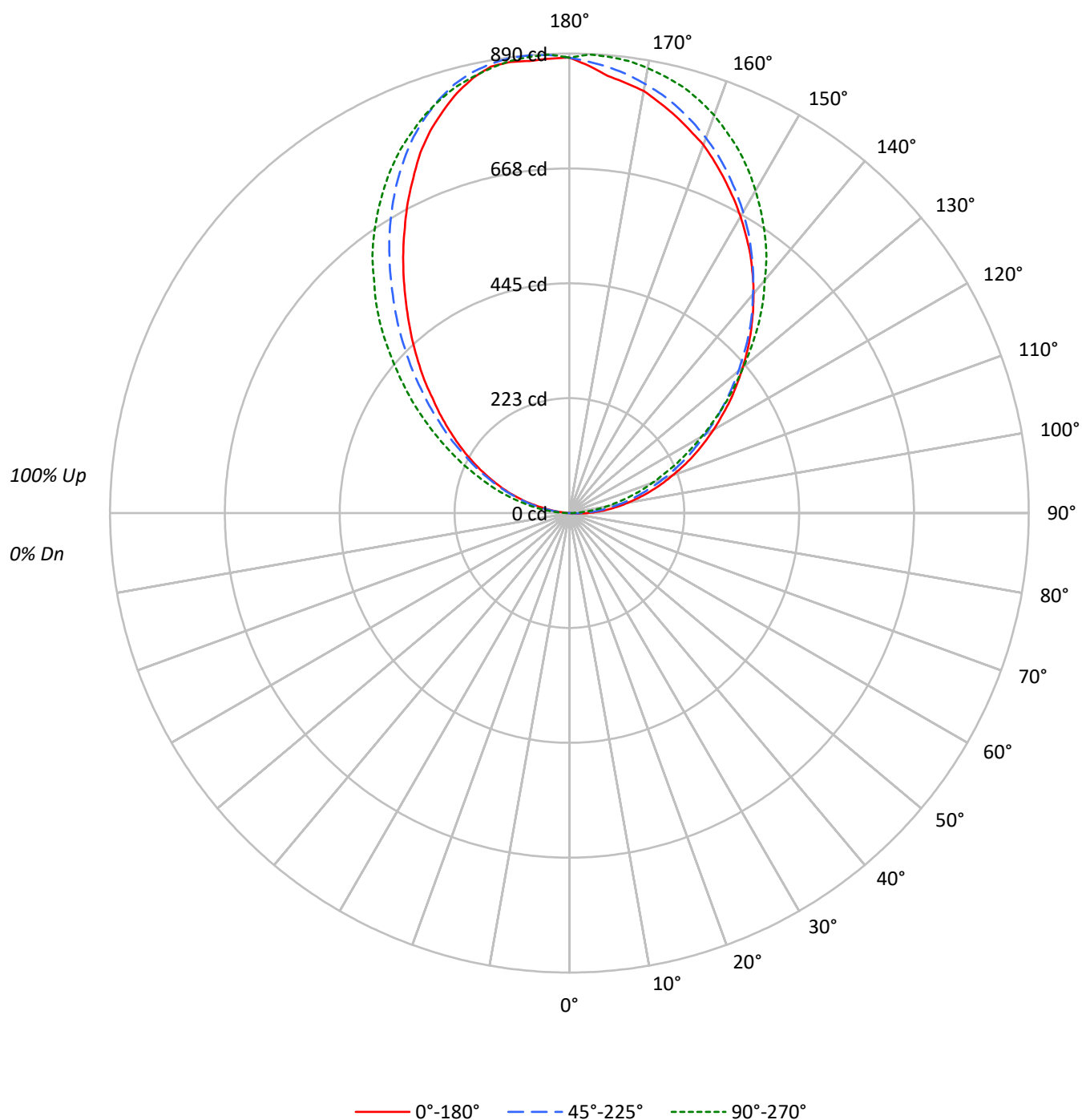
Input Watts (W): 22.6
Input Voltage (V): 120.13
Input Current (Ain): 0.18884
Voltage Rise (V): NR
Power Factor: 0.9976
Total Harmonic Distortion (THDi): 4.91%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

Luminous Intensity Polar Plot





TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	82	0	0



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	3.0	0.1
90°-100°	42.7	2.0
100°-110°	128.1	6.1
110°-120°	221.6	10.5
120°-130°	307.7	14.5
130°-140°	368.9	17.4
140°-150°	385.1	18.2
150°-160°	341.5	16.1
160°-170°	235.2	11.1
170°-180°	83.3	3.9
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.0	0.1
90°-120°	392.4	18.5
90°-150°	1454.1	68.7
90°-180°	2114.0	99.9
0°-180°	2117.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	5	1	0	0	0	4
90°	35	22	1	2	3	19
95°	73	58	33	14	7	68
105°	162	144	119	94	89	172
115°	267	248	231	190	182	264
125°	380	365	367	308	287	340
135°	497	492	518	451	414	384
145°	611	615	660	608	560	382
155°	712	726	776	757	716	328
165°	796	813	854	860	842	224
175°	850	867	887	890	879	81
180°	882	882	882	882	882	



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
85°	5	5	5	4	4	4	3	2	2	1	1
87.5°	18	18	17	17	16	15	15	12	11	9	7
90°	35	35	34	33	33	32	31	28	27	25	22
92.5°	53	54	53	52	51	50	49	47	44	42	40
95°	73	73	73	71	70	69	67	66	63	61	58
97.5°	93	94	93	91	90	90	87	85	83	81	78
100°	115	116	115	114	113	111	109	108	104	102	99
102.5°	138	139	138	137	135	134	131	130	127	124	121
105°	162	162	162	161	159	158	155	154	150	148	144
107.5°	187	187	187	185	184	183	181	178	175	172	168
110°	212	213	212	211	209	208	206	204	200	197	194



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	239	239	238	237	235	234	232	230	227	223	220
115°	267	266	266	265	263	262	259	257	254	251	248
117.5°	294	294	294	292	290	290	287	285	282	278	275
120°	322	321	322	320	318	318	315	314	310	307	303
122.5°	350	350	351	349	347	347	344	343	339	338	335
125°	380	379	380	379	376	376	373	372	369	367	365
127.5°	409	409	410	408	406	406	403	403	400	397	396
130°	438	438	439	438	436	435	433	433	430	428	427
132.5°	468	468	469	468	466	466	463	464	462	460	459
135°	497	497	499	497	495	496	494	494	493	491	492
137.5°	526	528	527	527	525	525	523	524	523	522	523
140°	555	556	556	556	555	554	552	554	552	551	553
142.5°	583	583	584	585	583	583	582	583	581	582	585
145°	611	612	612	611	611	612	610	612	612	613	615
147.5°	637	637	639	638	639	639	638	639	639	642	645
150°	663	664	665	664	665	665	665	667	666	670	673
152.5°	688	689	689	689	690	690	690	691	693	696	700
155°	712	713	714	715	715	715	715	716	718	724	726
157.5°	736	737	737	738	739	739	740	741	743	747	751
160°	759	759	760	760	761	761	762	764	765	769	773
162.5°	777	776	776	778	780	780	781	782	785	790	794
165°	796	795	796	797	798	799	800	802	804	809	813
167.5°	813	814	813	815	817	817	818	819	822	826	830
170°	830	830	829	831	832	833	833	834	837	840	844
172.5°	840	840	840	842	843	844	844	846	849	853	857
175°	850	851	851	852	854	855	856	857	860	864	867
177.5°	867	867	866	867	868	868	868	868	871	873	875
180°	882	882	882	882	882	882	882	882	882	882	882



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
87.5°	5	3	2	1	1	1	0	0	0	0	0
90°	19	16	14	12	10	9	6	4	2	1	1
92.5°	36	34	32	28	27	26	24	21	19	16	14
95°	55	52	50	46	45	43	41	39	37	33	31
97.5°	74	71	68	66	63	62	59	57	56	52	50
100°	95	92	88	85	84	82	80	77	76	72	70
102.5°	117	114	111	107	106	104	102	99	99	94	92
105°	139	137	134	132	129	128	126	123	122	119	117
107.5°	164	161	159	155	154	153	151	148	146	145	143
110°	189	187	184	181	180	179	177	176	174	171	168



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	215	213	210	207	208	207	205	203	202	199	196
115°	243	241	238	237	235	234	235	235	237	231	229
117.5°	272	270	267	265	266	265	265	265	264	262	260
120°	301	300	297	296	297	297	297	297	298	296	294
122.5°	331	330	329	328	329	329	331	332	332	331	330
125°	362	362	361	360	362	362	365	366	367	367	365
127.5°	394	394	393	393	395	396	400	402	403	403	402
130°	425	426	427	427	429	430	435	438	440	440	440
132.5°	458	460	459	462	466	466	471	475	477	479	478
135°	491	494	493	496	500	501	507	511	513	518	516
137.5°	524	525	527	530	534	535	542	547	550	555	554
140°	554	557	559	564	567	569	577	582	585	589	590
142.5°	587	589	592	596	601	603	609	617	620	627	626
145°	618	621	624	629	633	635	643	649	653	660	660
147.5°	648	651	655	659	664	667	675	680	685	691	692
150°	676	680	684	689	694	697	704	710	715	721	723
152.5°	704	708	713	719	723	726	733	739	744	750	752
155°	730	735	739	745	749	752	759	764	770	776	778
157.5°	755	759	764	769	773	776	782	787	794	798	801
160°	777	782	786	793	795	798	804	808	814	820	822
162.5°	799	803	807	813	816	819	824	828	833	838	840
165°	818	822	826	831	834	836	842	843	849	854	855
167.5°	834	837	841	846	848	850	854	856	861	865	866
170°	848	851	854	858	860	862	865	867	871	875	875
172.5°	860	862	866	869	871	873	875	876	879	883	883
175°	870	872	875	877	879	880	882	882	885	887	887
177.5°	878	880	881	884	884	886	886	885	887	889	888
180°	882	882	882	882	882	882	882	882	882	882	882



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	1	1	0	1	1	1	1	1	1	1
90°	1	1	1	1	1	1	2	2	2	2	2
92.5°	12	10	7	7	6	3	2	2	2	2	2
95°	30	28	24	24	23	19	17	16	14	13	11
97.5°	48	46	43	42	42	38	36	33	31	30	28
100°	68	66	62	61	61	57	56	55	52	51	48
102.5°	90	87	83	82	81	79	75	74	73	73	70
105°	114	111	105	105	104	99	97	97	94	94	92
107.5°	138	136	131	129	127	124	120	119	116	116	114
110°	164	161	157	156	153	149	145	143	140	139	137



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	193	189	184	182	180	174	170	168	164	163	161
115°	224	220	216	212	209	204	198	194	190	188	186
117.5°	255	251	245	243	239	233	227	222	217	213	212
120°	289	285	278	276	272	265	258	252	246	243	240
122.5°	325	321	313	310	305	298	290	283	277	273	268
125°	361	357	348	345	340	333	322	315	308	302	299
127.5°	399	394	386	382	377	367	357	350	342	336	331
130°	436	432	423	419	414	404	393	385	376	367	363
132.5°	475	471	462	458	453	443	432	422	414	405	398
135°	513	511	502	500	493	482	471	461	451	441	434
137.5°	552	549	541	539	532	522	510	500	490	479	471
140°	588	587	579	577	572	560	549	538	528	517	508
142.5°	625	624	618	616	610	600	589	578	568	557	548
145°	659	659	654	653	648	638	628	618	608	597	588
147.5°	692	692	689	688	684	676	666	657	648	635	628
150°	722	724	722	722	719	711	703	695	686	675	668
152.5°	752	753	754	754	751	745	738	731	723	712	706
155°	778	779	781	782	780	775	769	764	757	748	742
157.5°	801	802	805	806	805	803	798	794	789	783	777
160°	822	823	828	829	828	827	824	821	816	812	808
162.5°	840	842	847	847	848	847	845	843	840	837	834
165°	855	857	862	862	863	864	863	861	860	857	855
167.5°	866	868	872	874	874	875	875	875	874	872	871
170°	875	876	880	881	882	883	883	884	883	883	882
172.5°	881	882	886	887	888	889	889	889	889	888	887
175°	884	885	888	889	890	891	891	890	890	889	889
177.5°	886	885	888	889	889	890	889	889	888	887	887
180°	882	882	882	882	882	882	882	882	882	882	882



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0
87.5°	1	1	1	1	1	1	2	2
90°	2	2	2	2	2	2	3	3
92.5°	3	3	3	3	3	3	3	3
95°	11	10	9	9	9	7	8	7
97.5°	27	26	27	27	26	24	25	24
100°	48	45	46	46	45	44	44	43
102.5°	69	68	67	68	67	66	66	65
105°	91	90	91	91	91	89	90	89
107.5°	113	114	114	114	114	113	114	112
110°	136	136	136	136	136	136	136	135



TEST NUMBER: P27267

CATALOG NUMBER: MPBL-2-LD4-UNV-1UP-HI-40

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	160	159	159	159	159	159	159	158
115°	184	183	184	183	183	183	183	182
117.5°	210	209	209	208	209	208	208	207
120°	237	236	236	235	235	234	234	233
122.5°	266	264	264	262	262	261	261	260
125°	296	292	293	290	291	289	289	287
127.5°	327	323	322	321	320	318	318	317
130°	358	354	353	351	351	347	348	346
132.5°	392	387	386	384	383	380	380	381
135°	428	422	420	418	417	413	413	414
137.5°	464	458	456	453	452	447	447	449
140°	501	494	493	489	488	483	483	484
142.5°	540	533	531	528	526	521	521	521
145°	580	572	572	567	564	559	559	560
147.5°	620	612	609	606	604	599	598	599
150°	660	652	651	647	644	639	638	638
152.5°	698	691	690	686	683	678	678	678
155°	735	729	727	724	721	716	717	716
157.5°	771	765	764	761	757	755	755	755
160°	803	798	797	795	793	789	789	788
162.5°	830	826	824	822	820	817	817	816
165°	852	849	847	845	844	841	841	842
167.5°	870	867	867	865	864	862	863	863
170°	881	879	879	878	878	877	877	878
172.5°	886	884	883	882	881	880	881	881
175°	887	884	883	882	880	879	879	879
177.5°	885	883	883	882	881	880	880	881
180°	882	882	882	882	882	882	882	882

(END OF REPORT)