

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P300536

Luminaire Tested: **ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P300536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1902-156-52)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB
Description: ML4 2700K, 900LM DIM-TO-WARM, 25 DEG ASYMM WW, WITH ROUND ASYMM WW, LINEAR SPREAD LENS, MATTE WHITE FLANGE, WHITE LENS FRAME
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 25.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 0.76 / 1.05
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

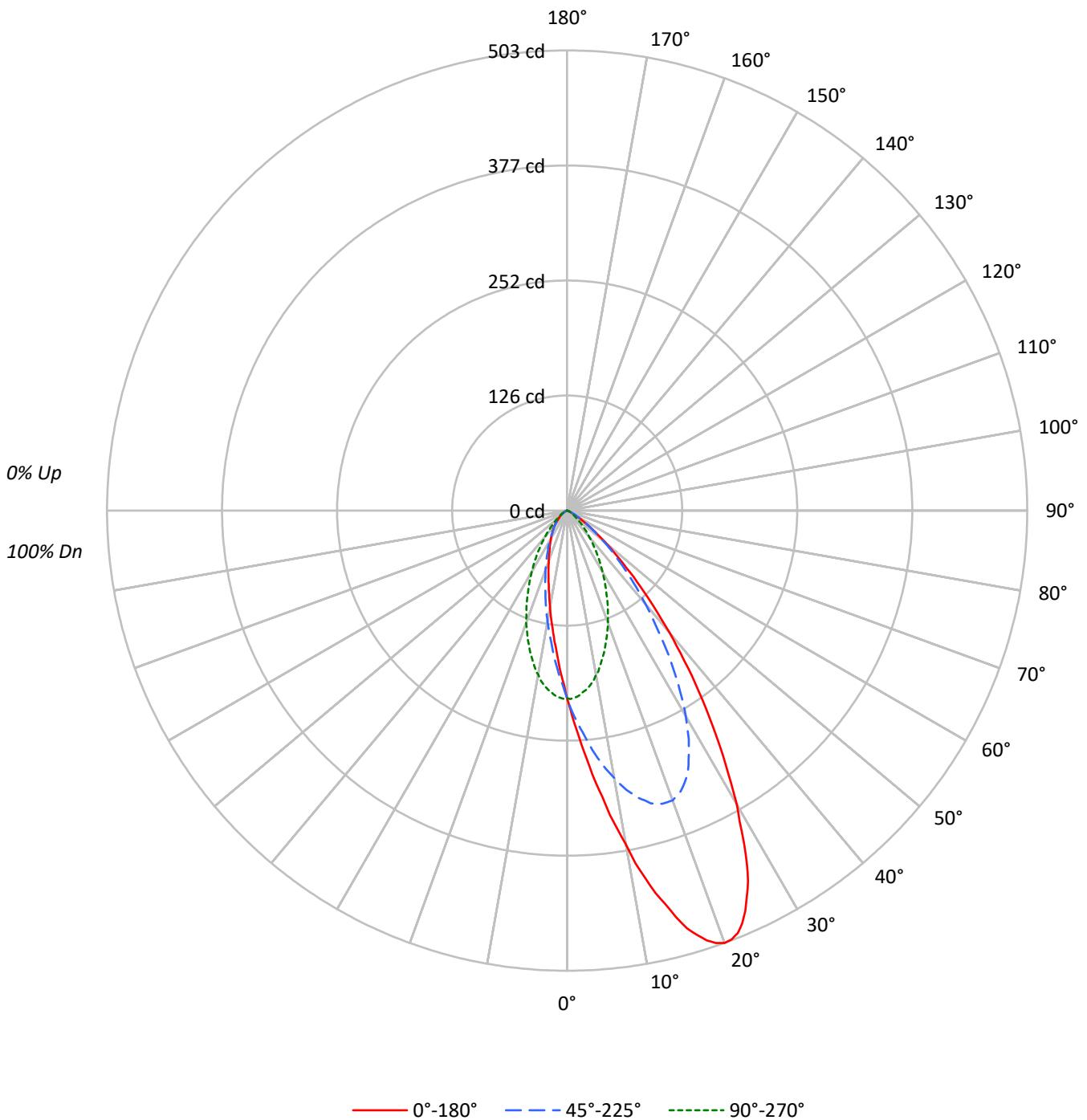
Input Watts (W): 11.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

Luminous Intensity Polar Plot





TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

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	102	102	102	100					100			
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92					92			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84					84			
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64					64			
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58					58			
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54					54			
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50					50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46					46			
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43					43			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	79916	79916	79916
5°	109961	77873	57916
10°	146859	72044	42751
15°	185649	63766	31883
20°	208670	54345	24476
25°	200012	43874	19356
30°	167002	34661	15755
35°	126113	26650	13325
40°	88547	19338	10687
45°	56785	13783	8270
50°	33962	9097	6671
55°	18351	6117	5437
60°	8576	4678	3898
65°	3690	3690	2767
70°	1140	2280	2280
75°	1506	1506	0
80°	0	0	0
85°	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	7.1
10°-20°	59.4	21.1
20°-30°	81.3	28.9
30°-40°	65.7	23.4
40°-50°	36.0	12.8
50°-60°	14.0	5.0
60°-70°	3.9	1.4
70°-80°	0.9	0.3
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	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°	160.5	57.1
0°-40°	226.2	80.5
0°-60°	276.2	98.3
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	205	205	205	205	205	
5°	281	253	199	161	148	30
15°	460	328	158	92	79	130
25°	465	313	102	51	45	209
35°	265	194	56	28	28	165
45°	103	86	25	14	15	81
55°	27	27	9	7	8	26
65°	4	5	4	3	3	4
75°	1	1	1	1	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	205	205	205	205	205	205	205	205	205	205	205
1°	218	218	217	219	217	217	218	216	217	216	216
2°	233	230	232	233	232	231	231	228	228	226	225
3°	248	246	245	247	244	245	243	241	240	237	234
4°	264	261	261	261	260	258	257	253	252	247	243
5°	281	278	278	279	275	273	270	266	264	258	253
6°	299	296	294	295	289	286	285	279	275	269	263
7°	315	312	311	312	305	303	299	294	287	280	272
8°	336	331	328	328	320	317	315	307	299	290	281
9°	353	348	345	346	336	333	329	319	311	300	289
10°	371	367	365	363	353	349	344	332	323	311	297
11°	393	387	381	379	369	365	359	346	335	319	305
12°	411	405	399	397	386	380	374	358	346	329	312
13°	429	421	418	414	400	394	387	371	356	336	318
14°	443	439	432	429	414	408	400	381	366	344	324
15°	460	454	447	443	428	420	412	392	374	350	328
16°	475	467	461	455	440	430	423	401	381	356	333
17°	485	480	472	466	449	440	431	409	387	360	335
18°	494	488	481	475	456	447	437	414	391	364	337
19°	500	494	486	480	462	452	442	418	394	365	337
20°	503	496	489	482	464	454	443	420	395	365	337
21°	502	495	488	481	464	454	443	419	394	364	334
22°	498	492	484	477	460	450	439	416	390	360	331
23°	490	484	477	470	454	444	434	411	386	356	326
24°	479	473	466	460	445	434	425	403	378	349	320
25°	465	460	454	449	433	422	414	392	369	340	313
26°	451	443	439	434	420	410	401	382	359	331	303
27°	433	427	421	417	403	394	387	367	346	320	293
28°	412	406	402	398	385	377	370	352	333	309	283
29°	389	386	383	377	368	360	352	338	318	295	271
30°	371	364	360	357	347	341	334	320	303	280	259
31°	348	343	340	338	329	322	316	302	287	267	247
32°	327	323	318	317	307	302	298	285	271	251	233
33°	306	301	297	297	289	284	278	267	254	236	220
34°	285	280	277	275	270	264	260	250	238	223	206
35°	265	260	259	256	250	247	240	233	222	207	194
36°	246	242	239	238	233	228	225	216	206	194	180
37°	227	224	223	219	214	211	208	201	191	181	167
38°	208	206	204	202	197	194	193	185	177	167	155
39°	190	188	187	187	182	179	178	171	164	154	144
40°	174	171	171	171	167	164	163	158	152	143	133
41°	156	156	155	155	153	150	149	144	139	131	123
42°	142	141	141	139	139	136	136	132	128	120	113
43°	128	127	127	127	126	124	123	121	117	111	103
44°	115	114	113	114	114	113	111	110	106	101	95



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
45°	103	103	101	101	102	102	100	98	96	91	86
46°	90	91	91	90	92	91	90	90	86	82	78
47°	80	81	81	80	82	80	81	80	77	74	71
48°	71	71	71	71	72	72	72	71	69	68	64
49°	64	63	63	63	64	64	64	63	63	60	58
50°	56	56	55	56	56	56	56	56	56	53	51
51°	49	48	49	49	50	49	49	50	49	48	45
52°	42	42	42	43	44	43	43	44	44	42	40
53°	36	37	37	37	38	38	38	38	38	37	35
54°	32	32	32	32	33	33	33	33	34	32	31
55°	27	27	27	28	28	29	29	29	29	28	27
56°	23	23	23	24	24	24	25	25	25	24	23
57°	19	20	20	20	21	21	21	22	22	21	20
58°	16	16	16	17	18	18	18	19	18	18	17
59°	13	14	14	14	14	15	15	16	16	15	15
60°	11	11	11	11	12	13	13	13	13	13	12
61°	9	9	9	9	10	10	10	11	11	11	10
62°	7	7	7	8	8	8	8	9	9	9	9
63°	6	6	6	6	6	7	7	7	7	7	7
64°	5	5	5	5	5	5	6	6	6	6	6
65°	4	4	4	4	4	4	4	5	5	5	5
66°	3	3	3	3	3	3	3	4	4	4	4
67°	2	2	2	2	3	3	3	3	3	3	3
68°	2	2	2	2	2	2	2	2	2	2	2
69°	1	1	2	2	2	2	2	2	2	2	2
70°	1	1	1	1	1	1	1	1	2	2	2
71°	1	1	1	1	1	1	1	1	1	1	1
72°	1	1	1	1	1	1	1	1	1	1	1
73°	1	1	1	1	1	1	1	1	1	1	1
74°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
76°	1	1	1	1	1	1	1	1	1	1	1
77°	1	1	1	1	1	1	1	1	1	1	1
78°	0	0	0	0	1	1	1	1	1	1	1
79°	0	0	0	0	0	0	0	0	0	1	1
80°	0	0	0	0	0	0	0	0	0	0	0
81°	0	0	0	0	0	0	0	0	0	0	0
82°	0	0	0	0	0	0	0	0	0	0	0
83°	0	0	0	0	0	0	0	0	0	0	0
84°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
86°	0	0	0	0	0	0	0	0	0	0	0
87°	0	0	0	0	0	0	0	0	0	0	0
88°	0	0	0	0	0	0	0	0	0	0	0
89°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

90°	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	205	205	205	205	205	205	205	205	205	205	205
1°	214	213	213	210	210	210	207	206	206	206	204
2°	222	219	219	215	214	214	210	208	206	205	202
3°	231	227	225	219	218	217	212	209	206	204	199
4°	239	234	230	223	222	220	214	209	205	202	197
5°	247	241	236	227	225	222	215	209	204	199	194
6°	255	247	241	231	228	225	216	209	203	197	190
7°	263	253	246	234	230	226	216	208	201	194	186
8°	270	259	249	236	232	227	216	207	198	191	182
9°	276	263	253	238	233	228	215	204	195	187	178
10°	283	268	256	240	234	228	214	202	192	182	173
11°	288	272	258	241	234	226	212	199	188	179	167
12°	294	276	259	241	233	226	210	196	184	173	162
13°	299	278	260	240	232	224	207	192	180	168	157
14°	302	280	261	240	231	222	204	189	175	163	152
15°	306	282	260	238	229	219	201	184	170	158	146
16°	308	283	260	236	226	216	197	180	165	152	140
17°	309	283	258	234	223	212	192	175	160	147	135
18°	309	282	256	230	219	208	188	170	155	141	129
19°	309	280	253	227	215	204	183	165	149	136	123
20°	307	277	250	223	211	199	178	159	144	131	118
21°	304	274	245	218	206	193	172	153	138	124	113
22°	301	270	240	212	200	188	166	147	132	119	107
23°	295	265	235	207	195	182	161	142	127	114	102
24°	290	258	229	201	189	176	155	136	121	108	97
25°	283	252	222	195	183	170	149	130	115	102	91
26°	275	245	216	188	176	163	143	124	110	97	87
27°	266	236	208	181	169	157	137	119	104	92	82
28°	257	228	200	174	162	151	130	113	98	87	77
29°	247	219	192	166	156	143	124	107	93	82	72
30°	236	210	184	160	148	137	118	102	88	77	69
31°	224	200	176	152	141	130	112	96	84	73	64
32°	213	190	167	144	134	123	106	91	78	68	60
33°	201	180	157	137	126	117	100	85	73	64	56
34°	189	170	148	129	120	110	94	80	68	60	52
35°	178	159	140	121	112	103	88	75	64	56	49
36°	166	149	131	114	105	96	82	70	60	52	45
37°	155	139	123	106	99	90	77	65	56	48	42
38°	143	130	114	99	92	84	71	61	52	45	39
39°	134	120	105	92	85	78	66	56	48	41	36
40°	123	111	98	86	79	72	61	52	44	38	34
41°	113	102	91	79	73	67	57	48	41	35	31
42°	104	94	83	72	67	61	52	44	38	32	29
43°	96	87	77	66	61	56	48	40	34	30	26
44°	87	79	69	61	56	51	44	37	31	27	24



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
45°	80	73	63	55	51	47	40	34	29	25	22
46°	72	66	58	50	46	42	36	30	26	22	20
47°	66	60	52	45	42	38	32	27	23	21	18
48°	59	54	47	41	38	34	29	25	21	18	16
49°	53	48	42	37	34	31	26	22	19	17	15
50°	48	43	38	33	30	28	23	20	17	15	14
51°	43	39	34	29	27	24	21	18	15	13	12
52°	38	34	30	25	24	21	18	16	14	12	11
53°	33	30	26	23	21	19	16	14	12	11	10
54°	29	27	23	20	18	17	14	12	11	10	9
55°	25	23	20	17	16	14	13	11	10	9	8
56°	22	20	17	15	14	13	11	10	9	8	8
57°	19	17	15	13	12	11	10	9	8	8	7
58°	16	15	13	11	10	10	9	8	7	7	7
59°	14	12	11	9	9	8	8	7	7	6	6
60°	12	10	9	8	8	7	7	7	6	6	6
61°	9	9	8	7	7	7	6	6	6	5	5
62°	8	7	6	6	6	6	6	5	5	5	5
63°	6	6	5	5	5	5	5	5	5	4	4
64°	5	5	5	5	5	4	4	4	4	4	4
65°	4	4	4	4	4	4	4	4	4	4	4
66°	4	3	3	3	3	3	3	3	3	3	3
67°	3	3	3	3	3	3	3	3	3	3	3
68°	2	2	2	2	2	2	3	3	3	3	3
69°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
71°	1	1	1	1	2	2	2	2	2	2	2
72°	1	1	1	1	1	1	1	1	1	1	1
73°	1	1	1	1	1	1	1	1	1	1	1
74°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
76°	1	1	1	1	1	1	1	1	1	1	1
77°	1	1	1	1	1	1	1	1	1	1	1
78°	1	1	1	1	1	1	1	1	1	1	1
79°	1	1	1	1	1	1	1	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
81°	0	0	0	0	0	0	0	0	0	0	0
82°	0	0	0	0	0	0	0	0	0	0	0
83°	0	0	0	0	0	0	0	0	0	0	0
84°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
86°	0	0	0	0	0	0	0	0	0	0	0
87°	0	0	0	0	0	0	0	0	0	0	0
88°	0	0	0	0	0	0	0	0	0	0	0
89°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	205	205	205	205	205	205	205	205	205	205	205
1°	201	202	200	200	198	198	198	197	195	195	195
2°	198	197	195	194	192	190	189	188	186	184	184
3°	195	193	190	189	186	183	182	180	178	175	174
4°	191	188	184	182	180	177	174	172	169	167	166
5°	187	184	179	177	174	170	167	164	161	158	157
6°	183	179	173	171	167	163	160	156	153	150	148
7°	178	173	167	165	161	156	153	148	144	142	139
8°	173	167	161	158	154	150	146	141	137	135	132
9°	168	162	155	152	148	142	139	134	130	127	123
10°	163	156	149	146	142	136	133	127	123	120	116
11°	158	150	143	139	135	129	126	121	117	113	110
12°	152	144	136	133	129	124	119	114	110	107	104
13°	146	138	130	127	123	117	112	108	104	100	97
14°	141	132	125	121	117	111	106	103	98	95	92
15°	135	127	119	115	111	105	101	97	92	89	87
16°	129	121	113	109	106	100	95	91	87	84	82
17°	124	115	108	104	100	94	90	86	82	79	77
18°	118	110	102	99	95	89	85	81	77	75	72
19°	113	104	97	93	90	84	80	77	73	70	68
20°	107	99	92	88	85	79	76	72	69	66	64
21°	101	94	87	83	80	75	71	68	65	62	60
22°	96	88	82	79	76	71	67	64	61	59	57
23°	92	84	78	74	71	67	63	60	58	56	54
24°	87	79	73	70	67	63	60	57	54	52	51
25°	82	75	69	66	63	59	56	53	51	49	48
26°	78	70	65	62	60	56	53	50	48	47	45
27°	73	67	61	58	56	52	50	47	46	44	43
28°	68	62	57	55	53	49	46	44	43	42	41
29°	64	58	54	51	49	46	44	42	40	39	38
30°	61	55	50	48	46	43	41	39	38	37	36
31°	57	51	47	45	43	40	38	37	36	35	34
32°	53	48	44	42	41	38	36	34	33	33	32
33°	50	45	41	39	38	35	34	32	31	31	30
34°	47	42	38	37	35	33	31	30	29	29	29
35°	43	39	36	34	33	31	30	28	28	27	27
36°	40	36	33	32	31	29	28	27	26	26	25
37°	37	33	31	30	29	27	26	25	24	24	24
38°	35	31	29	28	27	25	24	23	23	23	22
39°	32	29	27	26	25	23	22	22	21	21	21
40°	30	27	25	24	23	22	21	20	20	20	20
41°	27	25	23	22	21	20	19	19	19	19	19
42°	25	23	21	20	20	19	18	18	18	18	18
43°	23	21	20	19	18	17	17	17	16	16	17
44°	21	19	18	17	17	16	16	15	15	15	15



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
45°	19	18	17	16	16	15	15	14	14	14	14
46°	18	16	15	15	14	14	14	13	13	13	14
47°	16	15	14	14	13	13	13	12	12	13	13
48°	15	14	13	13	12	12	12	12	12	12	12
49°	14	13	12	12	11	11	11	11	11	11	11
50°	12	11	11	11	10	10	10	10	10	10	10
51°	11	10	10	10	10	9	9	9	9	9	10
52°	10	9	9	9	9	9	9	9	9	9	9
53°	9	9	8	8	8	8	8	8	8	8	8
54°	9	8	8	8	7	7	7	7	7	8	8
55°	8	7	7	7	7	7	7	7	7	7	7
56°	7	7	7	7	6	6	6	6	6	7	7
57°	7	6	6	6	6	6	6	6	6	6	6
58°	6	6	6	6	6	5	5	5	5	6	6
59°	6	5	5	5	5	5	5	5	5	5	5
60°	5	5	5	5	5	5	5	5	5	5	5
61°	5	5	4	4	4	4	4	4	4	4	4
62°	5	4	4	4	4	4	4	4	4	4	4
63°	4	4	4	4	4	4	4	4	4	4	4
64°	4	4	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	3	3	3	3	3	3	3
66°	3	3	3	3	3	3	3	3	3	3	3
67°	3	3	3	3	3	2	2	2	2	2	2
68°	3	2	2	2	2	2	2	2	2	2	2
69°	2	2	2	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2	2	2	2
71°	2	2	2	2	2	2	1	1	1	1	1
72°	1	1	1	1	1	1	1	1	1	1	1
73°	1	1	1	1	1	1	1	1	1	1	1
74°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
76°	1	1	1	1	1	1	1	1	0	0	0
77°	1	1	1	1	1	0	0	0	0	0	0
78°	1	0	0	0	0	0	0	0	0	0	0
79°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
81°	0	0	0	0	0	0	0	0	0	0	0
82°	0	0	0	0	0	0	0	0	0	0	0
83°	0	0	0	0	0	0	0	0	0	0	0
84°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
86°	0	0	0	0	0	0	0	0	0	0	0
87°	0	0	0	0	0	0	0	0	0	0	0
88°	0	0	0	0	0	0	0	0	0	0	0
89°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	205	205	205	205	205	205	205	205
1°	192	193	194	193	190	192	191	191
2°	182	181	181	182	180	179	179	180
3°	171	171	171	172	169	170	168	169
4°	162	161	162	161	158	158	157	157
5°	153	152	152	151	148	148	148	148
6°	145	143	143	142	139	139	138	139
7°	136	135	134	133	131	130	130	130
8°	128	126	127	125	123	122	122	123
9°	121	118	118	118	115	115	114	115
10°	113	112	111	111	108	109	107	108
11°	107	105	104	104	102	102	100	101
12°	100	99	98	98	96	95	95	94
13°	94	92	93	92	90	89	89	89
14°	89	87	87	86	85	84	83	83
15°	83	82	82	81	79	79	78	79
16°	78	77	77	76	75	74	74	74
17°	74	73	73	72	70	70	69	70
18°	70	68	68	68	66	66	65	66
19°	66	65	64	64	63	62	62	62
20°	62	61	61	60	59	59	58	59
21°	58	58	57	57	56	56	55	56
22°	55	54	54	54	53	53	53	53
23°	52	51	51	51	50	50	50	50
24°	49	49	49	48	48	47	47	47
25°	47	46	46	46	45	45	45	45
26°	44	43	44	44	43	43	43	43
27°	42	41	41	41	41	40	41	41
28°	40	39	39	39	39	38	39	39
29°	38	37	37	37	37	37	37	37
30°	35	35	35	35	35	35	35	35
31°	34	33	34	33	33	33	33	34
32°	32	32	32	32	32	32	32	32
33°	30	30	30	30	30	30	30	31
34°	28	28	28	29	29	29	29	29
35°	27	27	27	27	27	27	28	28
36°	25	25	26	26	26	26	26	26
37°	24	24	24	24	25	25	25	25
38°	22	23	23	23	23	23	24	24
39°	21	21	22	22	22	22	22	22
40°	20	20	21	21	21	21	21	21
41°	19	19	19	19	19	19	20	20
42°	18	18	18	18	18	18	19	19
43°	17	17	17	17	17	17	17	18
44°	16	16	16	16	16	16	16	16



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
45°	15	15	15	15	15	15	15	15
46°	14	14	14	14	14	14	14	14
47°	13	13	13	13	13	13	13	13
48°	12	12	12	12	12	12	12	12
49°	11	12	12	12	12	12	12	12
50°	11	11	11	11	11	11	11	11
51°	10	10	10	10	10	10	10	10
52°	9	9	9	9	10	9	10	9
53°	9	9	9	9	9	9	9	9
54°	8	8	8	8	8	8	8	8
55°	7	8	8	8	8	8	8	8
56°	7	7	7	7	7	7	7	7
57°	6	6	7	7	7	7	7	7
58°	6	6	6	6	6	6	6	6
59°	5	6	6	6	6	6	6	6
60°	5	5	5	5	5	5	5	5
61°	5	5	5	5	5	5	5	5
62°	4	4	4	4	5	4	5	4
63°	4	4	4	4	4	4	4	4
64°	3	4	4	4	4	4	4	4
65°	3	3	3	3	3	3	3	3
66°	3	3	3	3	3	3	3	3
67°	3	3	3	3	3	3	3	3
68°	2	2	2	2	2	2	2	2
69°	2	2	2	2	2	2	2	2
70°	2	2	2	2	2	2	2	2
71°	1	1	1	1	1	1	1	1
72°	1	1	1	1	1	1	1	1
73°	1	1	1	1	1	1	1	1
74°	1	1	1	1	1	1	1	1
75°	0	0	0	0	0	0	0	0
76°	0	0	0	0	0	0	0	0
77°	0	0	0	0	0	0	0	0
78°	0	0	0	0	0	0	0	0
79°	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0
81°	0	0	0	0	0	0	0	0
82°	0	0	0	0	0	0	0	0
83°	0	0	0	0	0	0	0	0
84°	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0
86°	0	0	0	0	0	0	0	0
87°	0	0	0	0	0	0	0	0
88°	0	0	0	0	0	0	0	0
89°	0	0	0	0	0	0	0	0



TEST NUMBER: P300536

CATALOG NUMBER: ML4D09_27D2WE - TIR50AWW25 - TL45R6GMWWB

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
90°	0	0	0	0	0	0	0	0

(END OF REPORT)