

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: SHAPER

Report Number: P34239

Luminaire Tested: **860-18-W-L2/835-UNV**

Test Date: 06/29/15

**Test Information**

Test Method: LM-79-08  
Report Number: P34239  
Test Lab: INNOVATION CENTER-P3  
Test Date: 06/29/15  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 860-18-W-L2/835-UNV  
Description: LUMIERE EON DIRECT WALL MOUNT SINGLE BAR LED WITH BLACK COVER PLATE & FROST GLASS  
Light Source: [12] COOPER LIGHTING 3500K LEDS  
12558151  
Ballast/Driver: [1] ROAL ELECTRONIC DRIVER  
RSLD035-7C

**Summary**

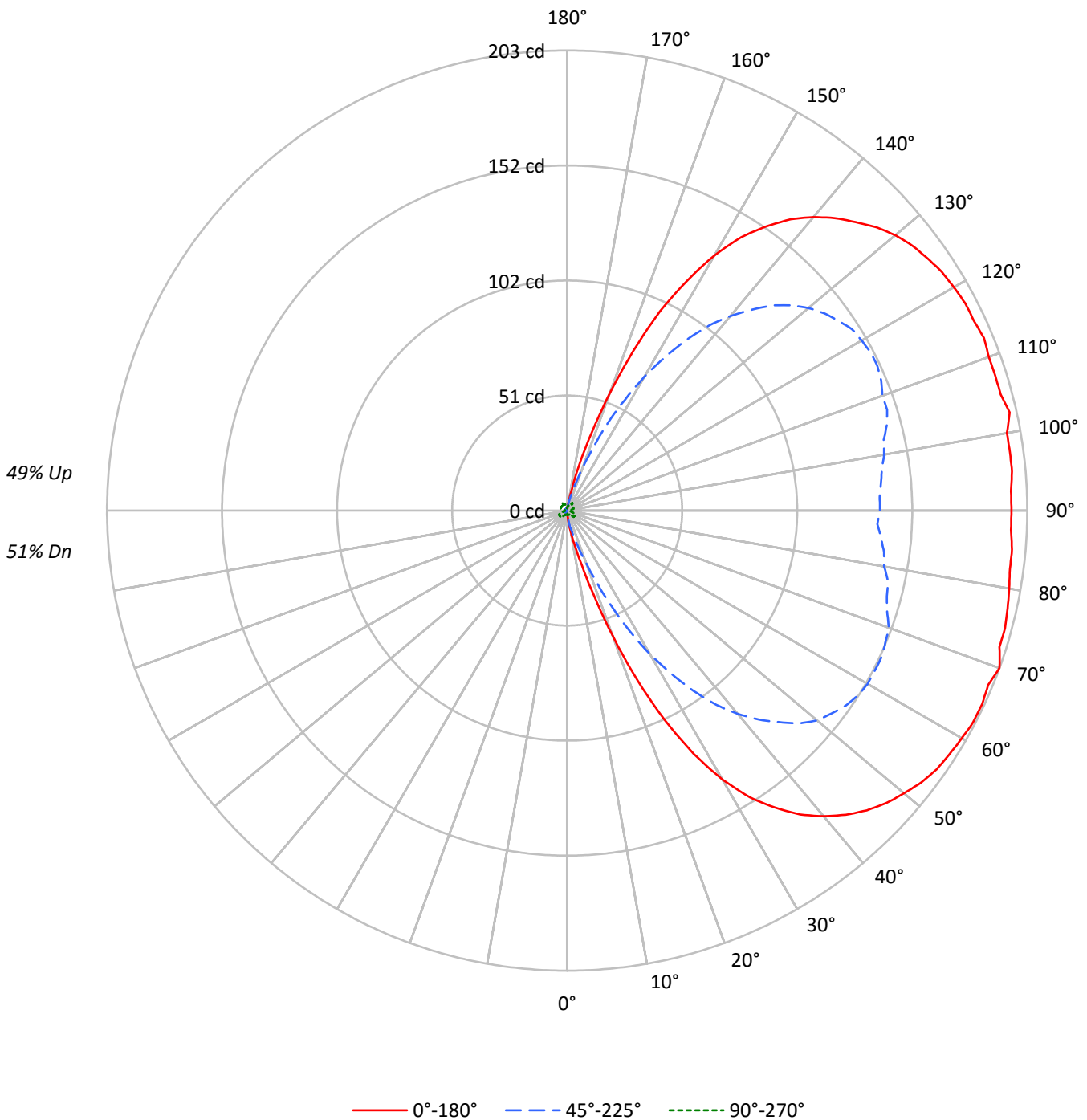
Lumens per Lamp: N/A  
Luminaire Lumens: 679.6 lumens  
Efficiency: N/A  
Efficacy: 44.1 lumens/watt  
Spacing Criteria (0/90/45): 11.48 / 3.46 / 9.19  
Luminous Opening: Rectangular w/ Sides (W: 1.5' x L: 0.33' x H: 1.5')  
CIE Type: General Diffuse

Input Watts (W): 15.4  
Input Voltage (V): 120.0  
Input Current (A<sub>in</sub>): 0.135  
Voltage Rise (V): NR  
Power Factor: 0.9705  
Total Harmonic Distortion (THDi): 22.0  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: HR  
Ambient Temperature (°C): 24.9  
Test Distance: 25 FT

TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**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	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	93	86	80	75	85	79	74	69	66	62	58	53	50	47	42	40	37	32
2	82	72	64	57	75	66	59	52	54	49	44	44	39	35	34	30	27	22
3	74	61	52	45	67	56	48	41	46	39	34	37	32	27	28	24	21	16
4	66	53	43	36	60	48	40	33	40	33	27	31	26	22	24	20	16	12
5	60	46	37	30	55	42	34	27	35	28	22	27	22	18	21	16	13	9
6	55	41	31	25	50	37	29	23	31	24	19	24	19	15	18	14	11	7
7	51	36	27	21	46	33	25	19	27	21	16	22	16	12	16	12	9	6
8	47	33	24	18	42	30	22	16	24	18	13	19	14	10	15	11	7	5
9	43	30	21	16	39	27	19	14	22	16	12	18	13	9	13	9	6	4
10	40	27	19	14	36	25	17	12	20	14	10	16	11	8	12	8	6	3

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	22	22	22
5°	47	40	0
10°	122	37	0
15°	253	35	0
20°	512	34	0
25°	782	32	0
30°	946	32	0
35°	1013	46	0
40°	1036	46	0
45°	1035	61	0
50°	1021	61	0
55°	1006	62	0
60°	984	63	0
65°	966	65	0
70°	956	50	0
75°	935	35	0
80°	926	19	0
85°	928	20	0



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	2.3	0.3
20°-30°	11.8	1.7
30°-40°	28.0	4.1
40°-50°	44.2	6.5
50°-60°	57.4	8.4
60°-70°	65.5	9.6
70°-80°	67.8	10.0
80°-90°	66.3	9.8
90°-100°	66.3	9.8
100°-110°	67.3	9.9
110°-120°	64.3	9.5
120°-130°	55.9	8.2
130°-140°	42.6	6.3
140°-150°	26.6	3.9
150°-160°	10.9	1.6
160°-170°	1.8	0.3
170°-180°	0.1	0.0
0°-30°	14.4	2.1
0°-40°	42.4	6.2
0°-60°	144.0	21.2
0°-90°	343.7	50.6
90°-120°	198.0	29.1
90°-150°	323.0	47.5
90°-180°	336.0	49.4
0°-180°	679.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1	1	1	1	1	
5°	3	3	2	1	0	1
15°	25	13	2	1	0	9
25°	102	47	2	1	0	48
35°	160	97	3	1	0	100
45°	187	132	4	1	0	144
55°	199	150	4	1	0	178
65°	202	153	4	1	0	200
75°	200	146	2	1	0	211
85°	197	139	1	1	0	161
90°	196	138	1	1	0	107
95°	197	139	1	1	0	161
105°	198	146	3	1	0	210
115°	198	151	3	1	0	197
125°	194	146	3	0	0	174
135°	180	128	3	1	0	139
145°	153	92	4	1	0	96
155°	97	43	3	1	0	45
165°	22	8	2	1	0	8
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1	1	1	1	1	1	1	1	1	1	1
2.5°	1	1	1	1	2	1	2	2	2	2	2
5°	3	3	3	3	3	3	3	3	3	3	3
7.5°	6	6	6	6	6	6	6	5	5	5	4
10°	10	10	10	10	10	9	9	8	8	7	7
12.5°	16	16	15	15	15	14	14	13	11	10	9
15°	25	25	25	24	22	21	20	19	17	15	13
17.5°	39	39	37	36	34	32	31	28	25	21	18
20°	59	57	55	54	49	47	45	41	36	31	25
22.5°	81	80	77	73	68	66	63	57	50	43	35
25°	102	101	99	95	89	86	82	74	66	57	47
27.5°	121	120	118	114	108	104	100	91	80	70	60
30°	137	136	134	131	125	120	116	108	97	85	73
32.5°	150	149	146	144	138	135	131	122	111	99	85
35°	160	160	157	155	150	147	143	135	123	111	97
37.5°	169	168	166	164	159	156	153	145	134	122	108
40°	176	175	174	172	167	164	161	154	143	131	117
42.5°	182	182	179	177	173	171	167	161	151	138	125
45°	187	187	184	183	179	176	173	167	158	146	132
47.5°	191	189	189	186	183	180	177	171	163	152	139
50°	194	194	192	190	186	184	181	175	167	156	144
52.5°	197	197	195	192	189	186	183	178	170	159	147
55°	199	199	197	194	191	188	185	180	172	162	150
57.5°	200	201	198	196	192	190	187	181	174	164	152
60°	201	200	198	196	194	190	186	182	174	165	153
62.5°	202	201	200	198	193	191	186	182	175	165	153
65°	202	202	200	198	193	190	187	182	174	165	153
67.5°	201	201	199	196	194	190	187	182	173	164	152
70°	203	201	198	195	192	189	186	180	171	162	151
72.5°	200	200	198	194	192	188	185	179	171	161	148
75°	200	200	197	196	190	187	184	178	169	159	146
77.5°	199	199	197	195	189	186	183	176	168	157	145
80°	198	198	196	193	188	185	182	175	166	155	142
82.5°	197	198	195	193	186	183	180	174	165	153	141
85°	197	197	195	193	187	183	180	173	164	153	139
87.5°	196	197	194	191	185	183	180	173	164	152	137
90°	196	196	194	191	186	183	179	173	163	152	138
92.5°	196	196	194	191	186	183	180	173	163	152	138
95°	197	198	195	191	188	181	180	173	164	153	139
97.5°	197	197	195	192	187	183	181	175	165	154	140
100°	197	197	196	192	187	185	180	175	164	155	142
102.5°	200	198	196	193	187	184	182	176	167	157	143
105°	198	198	196	193	189	186	183	177	168	158	146
107.5°	198	200	197	194	189	187	183	177	170	160	148
110°	198	198	197	194	189	186	184	178	169	161	148



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	199	198	197	194	190	185	184	179	171	162	150
115°	198	198	196	194	188	187	184	180	172	162	151
117.5°	198	198	196	194	189	187	184	179	171	163	151
120°	197	197	195	193	189	187	184	179	170	162	150
122.5°	196	196	194	192	188	184	184	178	170	161	149
125°	194	194	192	190	186	184	181	175	167	159	146
127.5°	192	191	190	189	184	181	180	174	166	156	143
130°	189	188	187	185	181	179	176	170	162	152	139
132.5°	185	185	183	181	177	175	172	166	157	148	134
135°	180	180	178	178	171	170	167	161	153	141	128
137.5°	175	176	174	171	167	165	162	155	146	135	120
140°	169	169	168	165	160	158	155	148	137	127	112
142.5°	162	162	160	157	153	150	147	139	129	116	103
145°	153	153	152	149	143	140	136	128	118	106	92
147.5°	143	142	140	137	132	128	124	116	105	94	80
150°	130	129	127	123	118	115	111	101	91	80	68
152.5°	114	114	112	108	102	98	94	86	76	66	55
155°	97	95	93	89	84	80	77	69	61	52	43
157.5°	76	76	72	70	64	62	58	53	44	37	30
160°	55	54	52	50	45	43	40	34	30	24	20
162.5°	36	36	35	31	28	27	25	22	19	16	13
165°	22	21	20	18	17	16	15	13	11	10	8
167.5°	10	11	11	10	10	9	9	8	7	6	5
170°	4	4	4	5	5	5	4	4	4	4	3
172.5°	1	1	2	2	2	2	2	2	2	2	2
175°	1	1	1	1	1	1	1	1	1	1	1
177.5°	0	0	0	0	1	1	1	1	1	1	1
180°	1	1	1	1	1	1	1	1	1	1	1



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1	1	1	1	1	1	1	1	1	1	1
2.5°	2	2	2	2	2	2	2	2	2	2	2
5°	3	3	3	2	2	2	2	2	2	2	2
7.5°	4	4	3	3	3	3	2	2	2	2	2
10°	6	5	5	4	4	3	3	2	2	2	2
12.5°	8	7	6	5	4	4	3	3	2	2	2
15°	11	9	7	6	5	5	4	3	2	2	2
17.5°	15	12	9	7	6	6	4	3	2	2	1
20°	21	16	12	9	8	7	5	4	3	2	1
22.5°	29	22	16	11	9	8	6	4	3	2	1
25°	38	29	21	15	12	10	6	4	3	2	1
27.5°	49	38	28	19	15	12	7	5	3	2	1
30°	60	46	35	24	19	14	8	5	3	2	1
32.5°	72	57	43	30	23	18	10	6	4	3	1
35°	83	67	51	36	29	22	12	6	4	3	1
37.5°	93	77	60	43	35	27	14	7	5	3	1
40°	102	85	67	50	41	32	17	8	5	3	1
42.5°	110	93	75	56	46	37	20	9	5	3	1
45°	117	101	82	62	52	42	23	10	5	4	1
47.5°	124	107	89	69	58	47	27	11	8	4	1
50°	130	113	95	74	63	52	30	13	8	4	1
52.5°	133	117	99	79	68	56	34	15	8	4	1
55°	136	121	104	84	72	61	37	17	9	4	1
57.5°	139	124	106	87	76	64	40	18	9	4	1
60°	140	124	108	89	78	67	43	20	10	4	1
62.5°	140	125	109	90	80	69	45	22	10	4	1
65°	140	126	109	91	80	71	47	23	10	4	1
67.5°	139	125	108	90	81	71	48	24	11	3	1
70°	137	123	107	89	79	70	49	25	10	3	1
72.5°	135	121	104	87	77	68	48	24	10	2	1
75°	134	117	101	83	74	65	46	24	10	2	1
77.5°	131	115	98	79	71	62	43	23	9	1	1
80°	128	111	94	76	67	58	40	22	5	1	1
82.5°	125	108	91	72	63	54	37	19	5	1	1
85°	123	106	88	69	60	51	33	17	5	1	1
87.5°	122	105	86	67	58	49	32	16	5	1	1
90°	122	104	86	66	57	48	31	15	5	1	1
92.5°	123	105	86	67	58	49	32	16	5	1	1
95°	123	106	88	69	60	51	33	17	5	1	1
97.5°	125	108	91	72	63	54	36	19	5	1	1
100°	127	111	94	75	66	57	40	21	9	1	1
102.5°	130	114	97	79	70	61	43	23	10	2	1
105°	132	117	100	83	73	64	45	23	10	3	1
107.5°	135	119	103	85	76	67	47	25	10	3	1
110°	136	121	105	87	78	68	47	24	11	3	1





TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	137	123	106	88	78	68	46	23	11	3	1
115°	138	123	107	88	78	68	45	22	11	3	1
117.5°	138	123	107	87	77	66	43	21	11	3	1
120°	137	122	105	86	75	63	41	19	11	3	1
122.5°	135	120	103	83	72	60	38	17	11	3	1
125°	133	117	99	79	68	57	35	16	9	3	1
127.5°	129	114	96	75	64	53	32	14	8	3	1
130°	125	109	91	70	59	49	29	12	7	3	1
132.5°	119	103	85	65	54	44	25	11	7	3	1
135°	112	96	78	59	49	39	22	10	7	3	1
137.5°	105	88	71	53	43	34	18	9	7	3	1
140°	97	80	64	45	37	29	16	8	6	3	1
142.5°	88	72	56	40	32	24	13	7	5	4	1
145°	78	63	48	32	25	19	10	7	5	4	1
147.5°	67	53	39	26	19	15	8	5	5	4	1
150°	56	43	31	20	15	12	7	4	4	3	1
152.5°	45	34	24	15	12	9	6	4	4	3	1
155°	33	25	18	12	9	8	5	3	3	3	1
157.5°	24	17	13	9	7	6	4	3	3	3	1
160°	16	12	9	7	6	5	4	3	2	3	1
162.5°	10	8	6	5	4	4	3	2	2	3	1
165°	7	6	5	4	3	3	2	2	2	2	2
167.5°	5	4	3	3	3	3	2	2	2	2	2
170°	3	3	2	2	2	2	2	2	2	2	1
172.5°	2	2	2	2	2	2	2	2	2	2	1
175°	1	1	1	1	2	2	1	1	1	1	1
177.5°	1	1	1	1	1	1	1	1	1	1	1
180°	1	1	1	1	1	1	1	1	1	1	1



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1	1	1	1	1	1	1	1	1	1	1
2.5°	2	2	2	2	2	2	1	1	1	1	1
5°	2	2	1	1	1	1	1	1	1	1	1
7.5°	2	1	1	1	1	1	1	1	1	1	1
10°	1	1	1	1	1	1	1	1	1	1	1
12.5°	1	1	1	1	1	1	1	1	1	1	1
15°	1	1	1	1	1	1	1	1	1	1	1
17.5°	1	1	1	1	1	1	1	1	1	1	1
20°	1	1	1	1	1	1	1	1	1	1	1
22.5°	1	1	1	1	1	1	1	1	1	1	0
25°	1	1	1	1	1	1	1	1	1	1	1
27.5°	1	1	1	1	1	1	1	1	1	1	1
30°	1	1	1	1	1	1	1	1	1	1	0
32.5°	1	1	1	1	1	1	1	1	1	1	1
35°	1	1	1	1	1	1	1	1	1	1	0
37.5°	1	1	1	1	1	1	1	1	1	1	1
40°	1	1	1	1	1	1	1	1	1	1	0
42.5°	1	1	1	1	1	1	1	1	1	0	0
45°	1	1	1	1	1	1	1	1	1	1	0
47.5°	1	1	1	1	1	1	1	1	1	1	0
50°	1	1	1	1	1	1	1	1	1	0	0
52.5°	1	1	1	1	1	1	1	1	1	1	0
55°	1	1	1	1	1	1	1	1	1	0	0
57.5°	1	1	1	1	1	1	1	1	1	1	0
60°	1	1	1	1	1	1	1	1	1	0	0
62.5°	1	1	1	1	1	1	1	1	1	1	0
65°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	0
70°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
85°	1	1	1	1	1	1	1	1	1	1	1
87.5°	1	1	1	1	1	1	1	1	1	1	1
90°	1	1	1	1	1	1	1	1	1	1	1
92.5°	1	1	1	1	1	1	1	1	1	1	1
95°	1	1	1	1	1	1	1	1	1	1	1
97.5°	1	1	1	1	1	1	1	1	1	1	1
100°	1	1	1	1	1	1	1	1	1	1	1
102.5°	1	1	1	1	1	1	1	1	1	1	1
105°	1	1	1	1	1	1	1	1	1	1	1
107.5°	1	1	1	1	1	1	1	1	1	1	0
110°	1	1	1	1	1	1	1	1	1	1	0



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1	1	1	1	1	1	1	1	1	0	0
115°	1	1	1	1	1	1	1	1	1	0	0
117.5°	1	1	1	1	1	1	1	1	1	1	0
120°	1	1	1	1	1	1	1	1	0	0	0
122.5°	1	1	1	1	1	1	1	1	1	0	0
125°	1	1	1	1	1	1	1	1	0	0	0
127.5°	1	1	1	1	1	1	1	1	1	0	0
130°	1	1	1	1	1	1	1	1	0	0	0
132.5°	1	1	1	1	1	1	1	1	1	0	0
135°	1	1	1	1	1	1	1	1	1	0	0
137.5°	1	1	1	1	1	1	1	1	0	0	0
140°	1	1	1	1	1	1	1	1	1	0	0
142.5°	1	1	1	1	1	1	1	1	1	0	0
145°	1	1	1	1	1	1	1	1	1	0	0
147.5°	1	1	1	1	1	1	1	1	1	1	0
150°	1	1	1	1	1	1	1	1	1	0	0
152.5°	1	1	1	1	1	1	1	1	1	0	0
155°	1	1	1	1	1	1	1	1	1	0	0
157.5°	1	1	1	1	1	1	1	1	1	1	0
160°	1	1	1	1	1	1	1	1	1	1	0
162.5°	1	1	1	1	1	1	1	1	1	1	0
165°	1	1	1	1	1	1	1	1	1	1	0
167.5°	1	1	1	1	1	1	1	1	1	1	0
170°	1	1	1	1	1	1	1	1	1	1	0
172.5°	1	1	1	1	1	1	1	1	1	1	0
175°	1	1	1	1	1	1	1	1	1	1	0
177.5°	1	1	1	1	1	1	1	1	1	1	1
180°	1	1	1	1	1	1	1	1	1	1	1



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1	1	1	1	1	1	1	1
2.5°	1	0	0	0	0	0	0	0
5°	1	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°	1	0	0	0	0	0	0	0
80°	1	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	0	0	0	0	0	0	0
90°	1	0	0	0	0	0	0	0
92.5°	1	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0
97.5°	1	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



TEST NUMBER: P34239

CATALOG NUMBER: 860-18-W-L2/835-UNV

**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°	1	1	1	1	1	1	1	1

(END OF REPORT)