

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P394901

Luminaire Tested: **303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

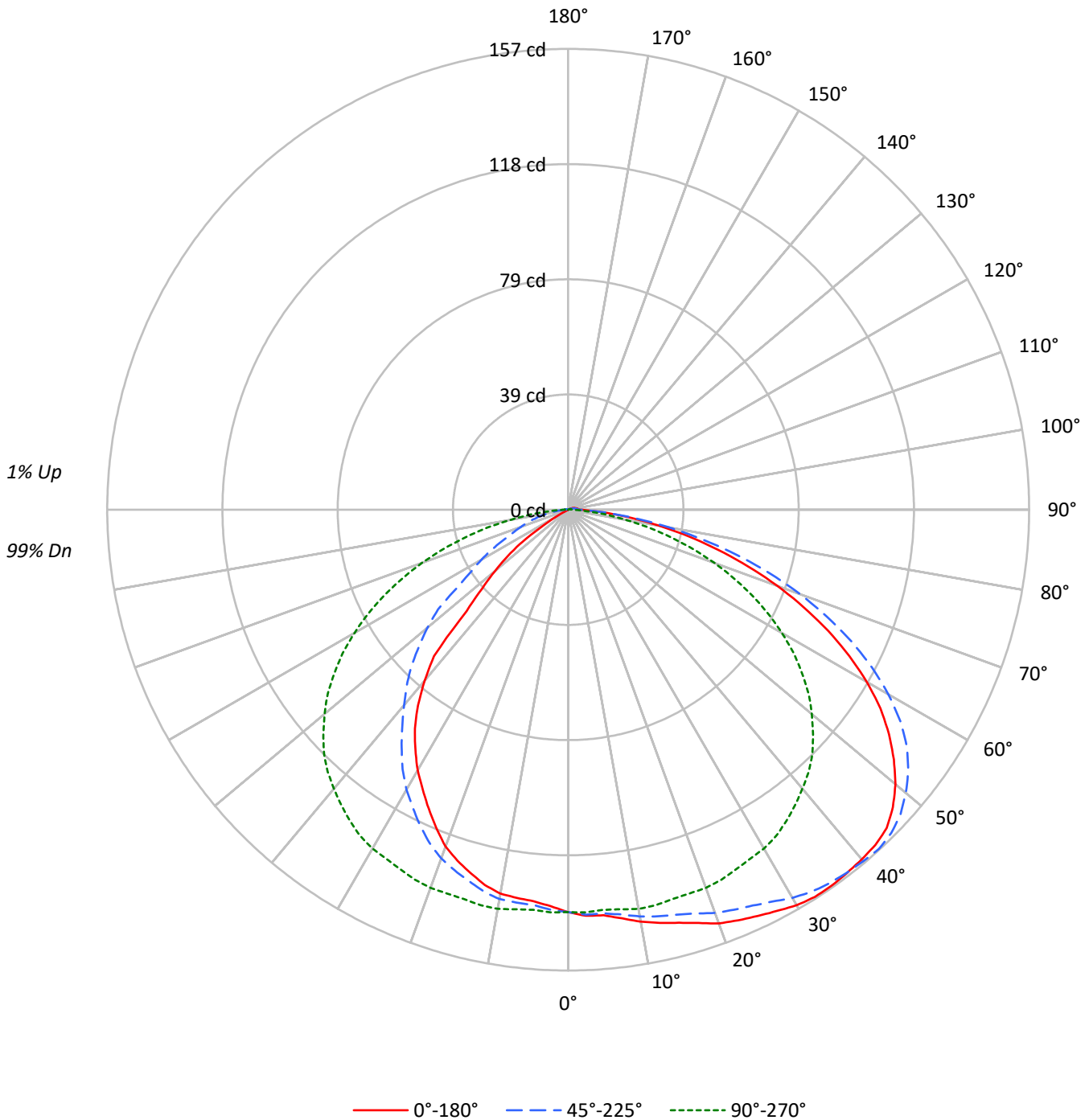
Lumens per Lamp: N/A
Luminaire Lumens: 469.4 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

Input Watts (W): 8.2
Input Voltage (V): 120
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: 24 FT



TEST NUMBER: P394901
CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

Luminous Intensity Polar Plot





TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90		92	90	87		89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	74		80	76	72		77	73	70	68
3	89	78	70	63	86	76	69	62	73	67	61		70	65	60		68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		48	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34		46	39	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		40	34	29	28
9	55	41	33	27	53	41	33	27	39	32	27		38	31	27		37	31	26	25
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18889	18889	18889
5°	19103	18876	18442
10°	19769	19230	18423
15°	20519	19445	18054
20°	21615	19908	17595
25°	22705	20301	16713
30°	24087	20886	15867
35°	25451	21382	14808
40°	26885	21832	13140
45°	28521	22319	9092
50°	29500	22499	6610
55°	29988	22492	4249
60°	29893	22151	1119
65°	28879	21309	30
70°	26942	19855	36
75°	23882	17429	45
80°	19645	13784	62
85°	13883	8481	204



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	2.8
10°-20°	38.8	8.3
20°-30°	61.8	13.2
30°-40°	79.4	16.9
40°-50°	86.7	18.5
50°-60°	80.1	17.1
60°-70°	61.2	13.0
70°-80°	35.2	7.5
80°-90°	9.7	2.1
90°-100°	1.9	0.4
100°-110°	1.1	0.2
110°-120°	0.3	0.1
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°	113.7	24.2
0°-40°	193.1	41.1
0°-60°	360.0	76.7
0°-90°	466.0	99.3
90°-120°	3.4	0.7
90°-150°	3.4	0.7
90°-180°	3.0	0.6
0°-180°	469.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	139	138	137	135	134	13
15°	146	143	137	131	128	41
25°	153	149	135	119	112	71
35°	156	155	130	99	91	98
45°	153	156	118	76	49	118
55°	133	141	97	46	19	119
65°	98	107	69	24	0	96
75°	53	59	36	12	0	56
85°	14	14	7	3	0	15
90°	4	4	1	1	0	3
95°	3	3	1	1	0	3
105°	2	2	1	1	0	2
115°	1	0	0	0	0	1
125°	0	0	0	0	0	0
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



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	138.5	137.0	136.3	137.2	136.4	138.0	137.4	137.2	137.2	138.1	138.1
5°	138.7	137.1	136.2	137.2	136.6	138.0	137.4	137.1	137.0	138.1	138.0
7.5°	140.4	138.6	137.7	138.8	138.1	139.4	138.8	138.4	138.3	139.4	139.1
10°	142.5	140.7	139.8	140.8	140.1	141.4	140.7	140.3	140.1	141.0	140.7
12.5°	144.2	142.3	141.5	142.5	141.7	142.9	142.4	141.6	141.5	142.3	141.9
15°	145.7	143.7	143.0	143.9	143.1	144.0	143.5	142.8	142.6	143.2	142.8
17.5°	147.6	145.7	144.9	145.9	145.1	145.7	145.1	144.5	144.4	144.9	144.2
20°	150.0	148.0	147.3	148.3	147.4	148.1	147.4	146.7	146.5	146.7	146.2
22.5°	151.4	149.5	149.1	150.1	149.1	149.7	149.1	148.4	148.3	148.4	147.5
25°	152.7	150.7	150.3	151.5	150.6	151.1	150.7	150.0	149.8	149.7	148.8
27.5°	154.1	152.0	151.7	153.0	152.2	152.7	152.4	151.8	151.6	151.4	150.5
30°	155.6	153.8	153.5	155.0	154.4	154.9	154.7	154.2	154.1	153.7	152.7
32.5°	156.4	154.8	154.8	156.3	156.0	156.6	156.5	156.0	155.9	155.5	154.3
35°	156.4	154.9	155.0	156.7	156.5	157.1	157.4	157.0	157.0	156.5	155.3
37.5°	156.0	154.8	155.1	156.8	156.7	157.4	157.9	157.6	157.7	157.2	155.9
40°	155.5	154.4	155.0	156.7	156.7	157.6	158.2	158.2	158.4	157.6	156.3
42.5°	154.9	153.9	154.6	156.4	156.5	157.3	158.5	158.5	158.7	158.0	156.7
45°	153.4	152.5	153.5	155.1	155.1	155.9	157.4	157.6	157.9	157.2	155.7
47.5°	150.0	149.3	150.5	152.2	152.6	153.3	155.1	155.4	155.9	155.0	153.5
50°	145.5	144.8	145.9	147.8	148.5	149.8	151.8	152.3	152.6	151.7	150.1
52.5°	139.8	139.4	140.5	142.4	143.6	144.9	147.1	148.0	148.6	147.9	146.0
55°	133.4	133.0	134.2	135.9	137.3	138.6	141.3	142.2	142.9	142.4	140.8
57.5°	126.1	125.7	127.0	128.5	130.0	131.2	134.1	135.1	135.8	135.5	134.1
60°	117.5	117.2	118.5	120.4	121.7	122.8	125.7	126.7	127.6	127.2	126.0
62.5°	108.0	107.8	109.1	110.5	112.2	113.2	116.2	117.2	118.1	117.5	116.8
65°	97.7	97.6	98.8	100.6	101.8	102.7	105.7	107.3	107.6	107.6	106.6
67.5°	86.8	86.7	87.9	89.5	90.8	91.6	94.2	95.9	96.2	96.3	95.5
70°	75.7	75.6	76.7	78.3	79.0	79.9	82.4	83.9	84.1	84.0	83.9
72.5°	64.3	64.2	65.2	66.3	67.4	68.0	70.2	71.4	71.6	71.7	71.9
75°	52.9	53.4	53.6	55.3	55.7	56.1	57.9	58.9	59.0	59.1	59.3
77.5°	41.9	41.8	42.6	44.0	44.2	44.4	45.9	46.6	46.7	46.8	46.9
80°	31.5	31.9	31.8	32.7	32.8	33.2	34.2	34.7	34.7	35.1	35.0
82.5°	21.8	22.3	22.1	22.8	22.8	22.9	23.6	23.8	23.7	24.0	24.0
85°	13.6	13.9	13.7	14.1	13.9	14.0	14.4	14.4	14.2	14.4	14.2
87.5°	7.4	7.5	7.3	7.8	7.7	7.4	7.5	7.3	7.2	7.2	7.0
90°	4.0	4.1	4.2	4.2	4.1	4.0	4.0	3.8	3.8	3.8	3.6
92.5°	3.6	3.6	3.7	3.7	3.7	3.6	3.6	3.5	3.4	3.3	3.2
95°	3.2	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0
97.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7
100°	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4
102.5°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1
105°	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	1.9	1.9	1.7
107.5°	2.0	2.0	2.0	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
110°	1.6	1.7	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	1.3	1.3	1.3	1.3	1.2	1.1	1.0	0.8	0.8	0.7	0.6
115°	0.9	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	137.3	137.7	137.7	137.4	137.3	137.4	137.3	137.7	137.3	136.6	137.1
5°	137.1	137.6	137.4	137.3	136.9	137.1	136.9	137.3	136.8	136.1	136.4
7.5°	138.2	138.9	138.4	138.3	137.8	138.0	137.7	137.9	137.3	136.6	136.9
10°	139.8	140.6	139.8	139.7	138.8	139.0	138.6	138.6	138.1	137.3	137.3
12.5°	140.8	141.6	140.7	140.4	139.3	139.5	138.8	138.6	138.0	137.0	137.0
15°	141.7	142.4	141.3	140.8	139.5	139.6	138.6	138.1	137.3	136.2	135.9
17.5°	143.1	143.8	142.4	141.8	140.0	139.9	138.8	138.0	137.1	135.7	135.2
20°	144.9	145.6	143.9	143.2	141.0	140.9	139.4	138.2	137.1	135.5	134.6
22.5°	146.1	146.8	144.9	144.0	141.5	141.2	139.5	137.9	136.4	134.6	133.1
25°	147.4	148.0	145.7	144.7	141.7	141.2	139.1	137.1	135.2	133.1	131.4
27.5°	149.0	149.4	146.7	145.6	142.2	141.5	138.9	136.3	134.1	131.4	129.3
30°	151.0	151.5	148.4	147.0	143.1	142.1	139.0	136.0	133.3	130.2	127.4
32.5°	152.6	152.8	149.6	147.9	143.4	142.1	138.6	134.8	131.8	128.2	124.8
35°	153.6	153.4	149.9	147.9	143.1	141.4	137.4	133.1	129.5	125.5	121.5
37.5°	154.1	153.8	150.0	147.7	142.4	140.2	135.7	130.9	126.9	122.3	117.6
40°	154.6	154.0	149.8	147.3	141.5	138.9	134.0	128.7	124.1	119.2	113.8
42.5°	154.8	154.0	149.4	146.6	140.3	137.4	132.1	126.2	121.2	115.9	110.1
45°	153.9	152.6	147.9	144.8	138.1	134.7	129.1	122.8	117.6	111.9	105.7
47.5°	151.5	149.9	145.1	141.6	134.7	131.2	125.3	118.5	113.1	107.3	100.8
50°	148.3	146.3	141.5	137.8	130.6	126.8	120.7	113.8	108.3	102.4	95.7
52.5°	144.1	142.0	136.9	133.1	125.8	121.8	115.6	108.6	103.3	97.1	90.3
55°	138.8	136.4	131.4	127.3	120.1	116.0	109.9	102.7	97.2	91.3	84.6
57.5°	132.6	129.7	124.6	120.4	113.3	109.2	103.2	96.3	91.1	85.1	78.5
60°	124.7	121.8	116.7	112.5	105.5	101.5	95.8	89.4	84.1	78.4	72.2
62.5°	115.6	112.8	107.9	103.2	97.1	93.0	87.6	81.7	76.8	71.4	65.5
65°	105.6	102.8	98.5	94.0	88.0	84.1	79.1	73.6	69.1	64.0	58.7
67.5°	94.6	92.0	88.1	83.8	78.2	75.1	70.2	65.1	61.0	56.5	51.7
70°	83.0	80.5	77.2	73.0	68.4	64.8	61.0	56.4	52.9	49.0	44.6
72.5°	70.8	68.6	65.6	62.1	57.7	55.3	51.5	47.6	44.4	41.0	37.5
75°	58.4	56.4	54.0	51.0	47.2	45.2	42.0	38.7	36.0	33.4	30.3
77.5°	46.1	44.5	42.6	40.6	37.0	35.3	32.8	30.1	28.1	25.8	23.5
80°	34.2	32.9	31.4	29.6	27.3	25.8	23.9	21.8	20.0	18.7	17.3
82.5°	23.1	22.2	21.1	19.9	18.2	17.1	15.7	14.2	13.1	12.2	11.3
85°	13.7	13.1	12.3	11.4	10.4	9.7	8.9	7.9	7.0	6.6	6.3
87.5°	6.9	6.3	5.8	5.5	4.6	4.3	3.8	3.2	3.0	2.7	2.7
90°	3.4	3.1	2.9	2.6	2.3	2.1	1.7	1.4	1.3	1.3	1.3
92.5°	3.0	2.9	2.6	2.4	2.1	1.8	1.5	1.2	1.2	1.2	1.2
95°	2.8	2.6	2.4	2.1	1.9	1.6	1.3	1.1	1.1	1.1	1.1
97.5°	2.6	2.3	2.1	1.9	1.6	1.3	1.2	1.1	1.0	1.0	1.0
100°	2.2	2.1	1.9	1.6	1.3	1.2	1.1	1.0	1.0	1.0	1.0
102.5°	2.0	1.8	1.6	1.3	1.1	1.1	1.0	0.9	0.9	0.9	0.9
105°	1.6	1.4	1.3	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8
107.5°	1.3	1.1	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.7
110°	0.9	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.6



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.5	0.5	0.5
115°	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	136.6	138.1	137.0	136.4	137.0	136.5	136.4	137.4	136.0	135.5	135.2
5°	135.8	137.3	136.2	135.5	136.1	135.4	135.2	136.3	134.8	134.2	133.9
7.5°	136.2	137.5	136.4	135.6	136.2	135.2	135.0	135.9	134.6	133.9	133.6
10°	136.5	137.7	136.4	135.5	136.2	134.9	134.7	135.5	134.1	133.2	132.9
12.5°	136.0	136.9	135.6	134.4	135.1	133.5	133.2	133.8	132.4	131.4	131.1
15°	134.8	135.5	133.9	132.7	133.4	131.4	130.9	131.4	130.0	128.8	128.5
17.5°	133.9	134.3	132.5	131.1	131.6	129.4	128.8	129.0	127.6	126.3	125.7
20°	133.1	133.1	131.2	129.5	129.8	127.4	126.4	126.4	125.1	123.6	122.9
22.5°	131.3	130.9	128.9	126.9	127.0	124.3	123.1	122.9	121.2	119.5	118.9
25°	129.0	128.1	125.7	123.6	123.2	120.4	119.0	118.5	117.0	115.0	114.2
27.5°	126.5	125.1	122.4	119.9	119.3	116.1	114.5	113.7	112.1	110.0	109.3
30°	124.2	122.1	119.1	116.2	115.2	111.8	110.1	109.0	107.5	105.2	104.4
32.5°	121.1	118.4	114.8	111.6	110.2	106.7	104.9	103.5	102.0	99.9	99.3
35°	117.2	113.9	109.9	106.3	104.6	100.9	98.9	97.5	96.1	94.0	93.4
37.5°	113.0	109.1	104.6	100.8	98.6	94.8	92.8	91.3	90.0	88.1	87.4
40°	108.8	104.4	99.4	95.2	92.8	89.0	86.9	85.4	84.2	81.9	80.8
42.5°	104.6	99.7	94.2	89.8	87.2	83.3	81.4	79.8	77.9	75.3	73.8
45°	99.8	94.3	88.7	84.1	81.3	77.5	75.5	73.1	71.1	68.1	65.8
47.5°	94.6	88.8	83.0	78.3	75.4	71.6	68.9	66.1	63.6	59.7	51.7
50°	89.2	83.2	77.3	72.9	69.7	65.5	62.5	58.9	52.0	46.3	42.8
52.5°	83.7	77.6	71.7	67.4	63.8	59.5	55.8	47.3	42.7	39.1	36.0
55°	78.1	72.1	66.3	62.1	58.0	53.3	45.7	39.8	36.3	33.1	30.0
57.5°	72.3	66.3	60.7	56.4	52.0	44.3	39.1	34.2	30.9	27.3	23.7
60°	66.3	60.6	55.4	50.7	45.0	37.7	34.2	29.1	25.6	20.3	16.1
62.5°	60.1	54.8	49.6	45.1	38.4	32.7	29.1	24.0	18.8	15.0	11.1
65°	53.7	48.9	44.0	38.1	33.2	28.3	24.2	19.1	14.8	11.0	7.9
67.5°	47.3	42.9	38.7	33.0	28.7	24.3	20.2	15.6	11.9	9.3	6.9
70°	41.1	37.0	33.2	28.4	24.5	20.7	17.1	13.4	10.4	8.0	6.0
72.5°	34.3	31.1	27.7	23.8	20.6	17.4	14.4	11.4	8.8	6.9	5.1
75°	28.2	25.3	22.7	19.4	16.9	14.1	11.7	9.3	7.2	5.6	4.2
77.5°	21.9	19.7	17.7	15.1	13.0	11.1	9.2	7.2	5.7	4.5	3.3
80°	15.9	14.3	12.8	10.9	9.6	8.0	6.8	5.4	4.3	3.3	2.5
82.5°	10.6	9.4	8.4	7.2	6.3	5.5	4.6	3.8	3.0	2.3	1.8
85°	5.9	5.4	4.7	4.1	3.8	3.2	2.8	2.3	1.9	1.5	1.2
87.5°	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8
90°	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.1	1.0	0.8	0.6
92.5°	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.0	0.9	0.7	0.6
95°	1.2	1.2	1.3	1.3	1.2	1.1	1.1	0.9	0.8	0.6	0.5
97.5°	1.1	1.1	1.1	1.1	1.1	1.0	1.0	0.8	0.7	0.6	0.4
100°	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4
102.5°	0.9	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.4
105°	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.3
107.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3
110°	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
115°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	137.1	137.1	137.1	137.1	137.1
2.5°	135.8	136.4	135.1	135.8	135.2
5°	134.4	135.1	133.8	134.5	133.9
7.5°	134.0	134.7	133.3	134.0	133.4
10°	133.3	134.0	132.7	133.2	132.8
12.5°	131.4	132.2	130.7	131.4	131.0
15°	128.8	129.4	128.0	128.4	128.2
17.5°	125.7	126.5	125.0	125.3	125.4
20°	122.8	123.4	121.8	122.1	122.1
22.5°	118.5	119.1	117.4	117.6	117.4
25°	113.6	114.0	112.5	112.5	112.4
27.5°	108.6	109.0	107.4	107.3	107.3
30°	103.7	104.0	102.7	102.5	102.5
32.5°	98.4	98.5	97.5	97.0	96.9
35°	92.5	92.6	91.6	91.0	91.0
37.5°	86.5	85.9	84.6	84.0	84.0
40°	79.3	78.6	77.1	76.2	76.0
42.5°	71.7	70.5	68.9	67.9	67.6
45°	62.8	55.6	51.3	49.5	48.9
47.5°	46.0	43.5	41.4	40.2	39.8
50°	37.8	35.8	34.1	33.1	32.6
52.5°	31.5	29.3	27.9	26.5	25.9
55°	25.3	22.8	21.2	19.7	18.9
57.5°	17.0	13.5	11.6	10.1	10.1
60°	10.6	7.9	5.8	4.5	4.4
62.5°	6.3	3.4	1.3	0.4	0.2
65°	4.2	2.2	1.1	0.4	0.1
67.5°	3.8	2.1	1.0	0.4	0.1
70°	3.3	1.8	0.9	0.3	0.1
72.5°	2.9	1.6	0.8	0.3	0.2
75°	2.4	1.3	0.7	0.3	0.1
77.5°	2.0	1.2	0.6	0.3	0.1
80°	1.5	0.9	0.5	0.2	0.1
82.5°	1.2	0.7	0.4	0.2	0.2
85°	0.8	0.5	0.4	0.2	0.2
87.5°	0.6	0.4	0.3	0.2	0.2
90°	0.5	0.4	0.3	0.2	0.1
92.5°	0.4	0.4	0.3	0.2	0.2
95°	0.4	0.3	0.2	0.2	0.2
97.5°	0.4	0.3	0.2	0.2	0.2
100°	0.3	0.2	0.2	0.2	0.2
102.5°	0.2	0.2	0.2	0.2	0.2
105°	0.2	0.2	0.2	0.2	0.2
107.5°	0.2	0.2	0.2	0.2	0.2
110°	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P394901

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
112.5°	0.2	0.2	0.2	0.2	0.2
115°	0.2	0.2	0.2	0.2	0.2
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)