

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: P394854

Luminaire Tested: **303-A1-LEDB1-3500-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-A1-LEDB1-3500-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

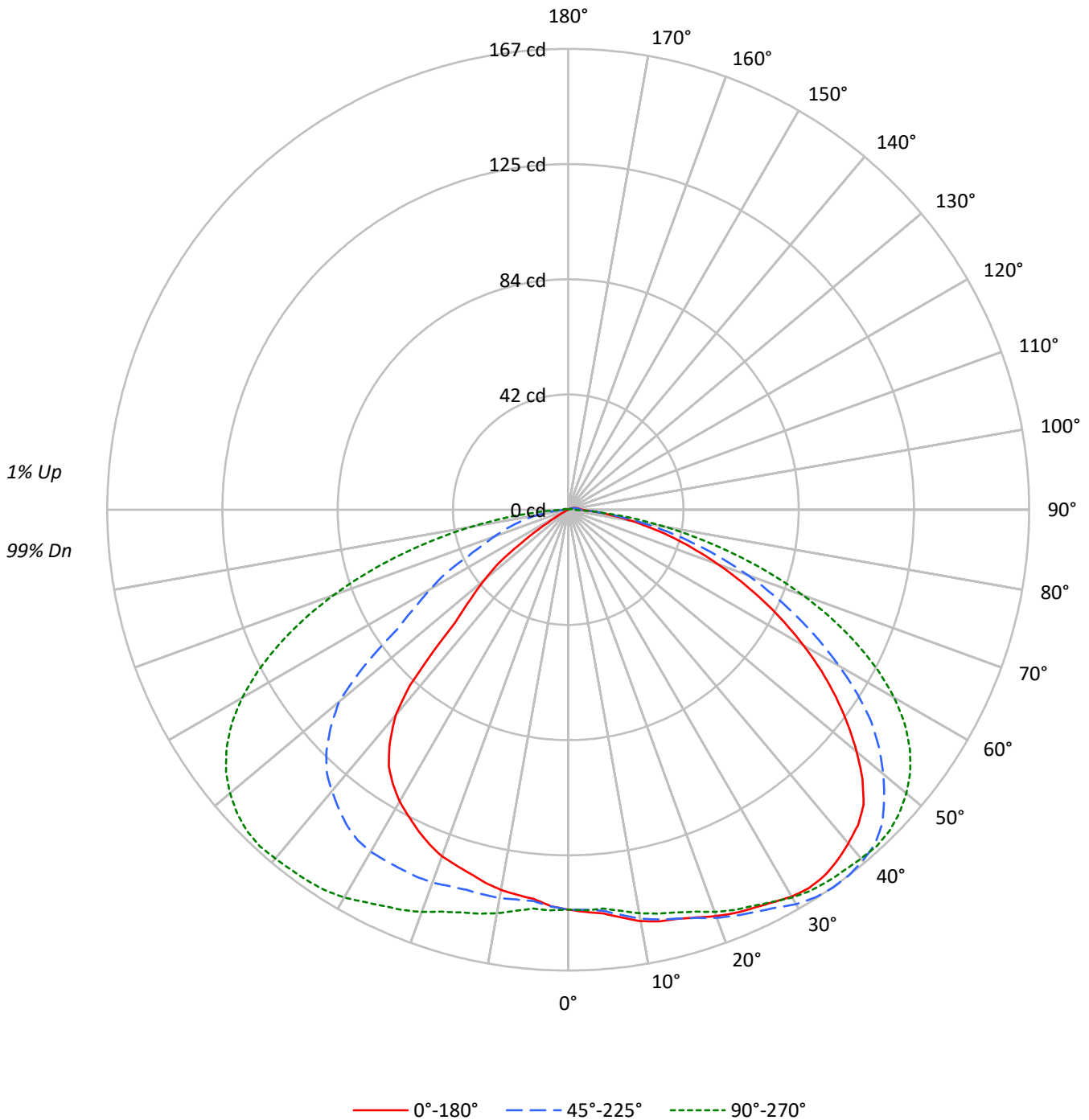
Lumens per Lamp: N/A
Luminaire Lumens: 551.1 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

Input Watts (W): 8.4
Input Voltage (V): 120
Input Current (A_{in}): 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



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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					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	101	101	101	99								
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	89	87	84	82								
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68								
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56								
4	81	69	59	53	79	67	59	52	65	57	51	62	56	50	60	54	50	47								
5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	47	43	40								
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	37	33	31								
8	58	45	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27								
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24								
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	21								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19964	19964	19964
5°	20232	20021	19502
10°	21004	20678	19408
15°	21617	21400	19237
20°	22581	22522	19267
25°	23672	23784	19092
30°	25063	25429	18901
35°	26346	27128	18437
40°	27300	29027	16823
45°	28130	31239	10765
50°	27655	33218	8029
55°	26616	34964	4294
60°	25084	35927	916
65°	22997	35648	0
70°	20535	33931	0
75°	17788	30308	45
80°	14469	24673	62
85°	10820	15023	102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	2.5
10°-20°	42.1	7.6
20°-30°	70.2	12.7
30°-40°	95.2	17.3
40°-50°	106.6	19.3
50°-60°	97.0	17.6
60°-70°	71.6	13.0
70°-80°	39.9	7.2
80°-90°	10.7	1.9
90°-100°	2.3	0.4
100°-110°	1.4	0.3
110°-120°	0.4	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°	126.2	22.9
0°-40°	221.3	40.2
0°-60°	424.9	77.1
0°-90°	547.0	99.3
90°-120°	4.1	0.7
90°-150°	4.1	0.7
90°-180°	4.0	0.7
0°-180°	551.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	145	145	145	145	145	
5°	147	146	145	142	142	14
15°	154	153	151	143	137	44
25°	159	161	158	144	128	74
35°	162	167	164	140	113	101
45°	151	161	165	124	58	116
55°	118	134	151	76	19	106
65°	78	91	116	40	0	77
75°	39	47	63	20	0	42
85°	11	11	12	5	0	11
90°	5	4	2	1	0	3
95°	4	4	1	1	0	3
105°	2	2	1	1	0	3
115°	1	1	1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	145.9	145.7	146.9	147.0	146.4	145.8	145.2	146.2	146.3	145.1	146.8
5°	146.9	146.6	147.8	147.9	147.3	146.6	146.1	147.1	147.1	145.9	147.4
7.5°	149.1	148.7	150.1	150.1	149.6	149.2	148.3	149.4	149.3	148.1	149.6
10°	151.4	151.2	152.6	152.5	152.1	151.6	150.8	151.9	151.6	150.5	151.8
12.5°	152.8	152.7	154.1	154.0	153.7	153.3	152.4	153.6	153.2	152.1	153.5
15°	153.5	153.5	155.0	155.0	154.6	154.3	153.5	154.7	154.4	153.4	154.6
17.5°	154.9	154.9	156.5	156.3	156.1	155.9	155.1	156.4	156.0	155.1	156.2
20°	156.7	156.8	158.5	158.3	158.2	158.1	157.2	158.5	158.2	157.4	158.3
22.5°	158.2	158.2	159.9	159.7	159.6	159.6	158.8	160.2	159.9	159.2	160.1
25°	159.2	159.3	160.9	160.8	160.6	160.8	160.1	161.8	161.4	160.8	161.6
27.5°	160.4	160.5	162.2	162.1	162.2	162.5	161.8	163.4	163.1	162.6	163.1
30°	161.9	162.1	163.9	163.7	164.0	164.4	163.9	165.5	165.3	165.1	165.4
32.5°	162.5	162.8	164.7	164.6	165.0	165.6	165.1	167.0	166.6	166.6	167.1
35°	161.9	162.2	164.0	164.0	164.6	165.4	165.1	167.0	166.9	167.2	167.7
37.5°	160.2	160.6	162.3	162.4	163.1	164.2	164.1	166.2	166.3	167.0	167.5
40°	157.9	158.3	160.0	160.2	161.1	162.2	162.2	164.4	164.7	166.0	167.0
42°	155.7	156.2	157.7	157.9	158.9	160.0	160.2	162.6	163.0	164.8	166.1
42.5°	155.3	155.7	157.1	157.2	158.2	159.4	159.6	162.0	162.4	164.4	165.7
45°	151.3	151.4	153.0	153.2	154.3	155.1	155.4	157.6	158.3	160.9	162.5
47.5°	144.6	144.8	146.1	146.8	148.4	149.6	150.0	152.0	152.6	155.3	157.5
50°	136.4	136.7	138.0	138.8	140.4	141.9	143.2	145.7	146.1	149.0	151.1
52.5°	127.6	128.0	129.0	129.8	131.6	133.2	134.7	137.7	139.0	142.0	143.7
55°	118.4	118.8	119.5	120.2	121.9	123.6	125.4	128.5	130.1	134.0	135.7
57.5°	108.8	108.7	110.4	110.4	112.0	113.6	115.4	118.4	120.0	124.2	126.9
60°	98.6	98.9	99.9	100.0	101.8	103.5	105.3	107.9	109.3	113.4	116.4
62.5°	88.2	88.5	88.3	89.4	91.1	92.9	94.9	97.4	98.5	102.4	105.3
65°	77.8	78.1	78.3	78.8	80.5	82.2	84.1	86.4	88.1	91.3	93.9
67.5°	67.6	67.8	67.4	68.5	70.0	71.6	73.4	75.5	76.9	80.0	82.3
70°	57.7	57.9	58.0	58.5	59.7	61.2	62.9	64.2	66.0	69.2	70.7
72.5°	48.3	48.5	48.1	48.8	50.0	50.8	52.7	53.8	55.1	58.0	59.3
75°	39.4	39.5	39.6	39.8	41.1	41.3	42.9	43.7	44.8	47.1	48.2
77.5°	31.0	31.0	31.1	31.3	31.9	32.4	33.6	34.1	35.1	36.8	37.1
80°	23.2	23.3	23.3	23.4	24.0	24.1	25.1	25.3	26.0	26.8	27.7
82.5°	16.3	16.4	16.4	16.4	16.8	16.8	17.4	17.4	17.8	18.2	18.3
85°	10.6	10.6	10.7	10.6	10.7	10.7	11.1	10.9	11.0	11.3	11.0
87.5°	6.5	6.6	6.6	6.5	6.6	6.4	6.6	6.3	6.3	6.3	5.8
90°	4.8	4.9	4.8	4.9	4.9	4.8	4.7	4.5	4.4	4.2	4.0
92.5°	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.2	4.0	3.9	3.6
95°	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.8	3.7	3.6	3.3
97.5°	3.6	3.6	3.5	3.5	3.6	3.6	3.6	3.5	3.4	3.3	3.1
100°	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.0	2.9	2.8
102.5°	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.7	2.6	2.6	2.4
105°	2.5	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.1	2.0
107.5°	2.2	2.2	2.1	2.1	2.1	2.0	1.9	1.8	1.8	1.7	1.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	1.8	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.3	1.3	1.2
112.5°	1.4	1.4	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.9
115°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.6	0.7
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



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CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	145.5	146.7	145.1	145.8	145.9	145.0	145.2	145.2	145.3	146.2	145.0
5°	146.2	147.3	145.7	146.3	146.3	145.2	145.3	145.2	145.1	146.0	144.5
7.5°	148.2	149.3	147.7	148.1	147.9	146.8	147.0	146.8	146.6	147.3	145.7
10°	150.4	151.6	150.0	150.3	150.1	148.8	149.0	148.8	148.5	149.0	147.3
12.5°	152.0	153.2	151.7	152.0	151.7	150.4	150.5	150.4	149.9	150.3	148.5
15°	153.3	154.4	153.1	153.2	152.8	151.6	151.7	151.7	151.1	151.3	149.6
17.5°	155.0	156.2	154.9	154.8	154.7	153.4	153.5	153.5	152.7	153.1	151.3
20°	157.3	158.6	157.3	157.1	157.0	155.8	155.7	155.9	155.1	155.4	153.6
22.5°	159.2	160.3	159.4	159.0	158.7	157.6	157.6	157.8	157.0	157.1	155.4
25°	160.7	161.9	160.9	160.4	160.2	159.1	159.2	159.5	158.4	158.5	157.0
27.5°	162.5	163.5	162.8	162.2	161.8	160.8	160.8	161.2	160.2	160.1	158.6
30°	164.9	165.8	165.3	164.3	163.9	162.9	163.1	163.5	162.3	162.1	160.7
32.5°	166.7	167.7	167.2	166.3	165.8	164.8	164.7	165.0	163.6	163.4	162.1
35°	167.6	168.8	168.5	167.4	167.0	165.9	165.6	165.9	164.3	163.9	162.6
37.5°	168.1	169.5	169.4	168.5	168.1	166.9	166.5	166.6	164.6	164.0	162.6
40°	168.3	169.6	169.9	169.1	169.0	168.0	167.4	167.4	165.0	164.0	162.4
42°	167.9	169.5	170.1	169.6	169.8	168.9	168.1	167.9	165.3	164.2	162.3
42.5°	167.7	169.2	170.0	169.6	169.9	169.1	168.2	168.0	165.4	164.1	162.2
45°	165.3	167.3	168.5	168.8	169.2	168.7	167.8	167.5	164.6	162.9	160.9
47.5°	161.0	163.2	164.9	166.0	166.9	167.0	166.2	166.0	162.7	160.6	158.2
50°	155.3	157.8	160.0	161.7	163.4	164.3	163.6	163.4	159.9	157.5	154.7
52.5°	148.4	151.1	153.3	156.2	158.8	160.3	160.1	159.8	156.2	153.4	150.3
55°	140.2	143.0	145.9	149.2	152.5	154.9	155.0	154.9	151.1	148.0	144.8
57.5°	131.2	133.7	136.9	140.6	145.0	148.0	148.4	148.3	144.6	141.2	137.3
60°	121.3	123.5	126.7	130.7	135.5	139.1	140.0	140.2	136.4	133.0	129.4
62.5°	110.5	112.8	115.8	119.7	124.7	128.8	130.0	130.5	126.7	123.3	119.4
65°	98.9	101.2	104.4	108.0	113.0	117.3	118.6	119.1	115.6	112.5	109.1
67.5°	86.8	89.0	92.1	95.6	100.4	104.6	106.0	106.7	103.5	100.5	97.4
70°	74.7	76.5	79.4	82.7	87.2	90.5	92.5	93.2	90.4	87.7	85.0
72.5°	62.7	64.1	66.8	69.6	73.5	76.5	78.4	79.1	76.6	74.4	72.3
75°	50.8	52.1	54.3	56.7	59.9	63.1	64.1	64.8	62.6	60.8	59.2
77.5°	39.5	40.3	42.2	44.1	46.6	48.4	49.8	50.5	48.7	47.3	46.1
80°	28.9	29.3	30.8	32.0	33.9	35.0	36.1	36.5	35.8	34.3	33.6
82.5°	19.4	19.5	20.5	21.1	22.1	23.3	23.5	23.7	23.1	22.2	22.0
85°	11.5	11.3	12.0	12.0	12.2	12.9	12.8	12.8	12.4	12.2	12.1
87.5°	5.9	5.6	5.8	5.6	5.4	5.4	5.1	5.0	4.8	4.8	4.9
90°	3.7	3.5	3.5	3.2	2.8	2.5	2.2	1.9	1.7	1.7	1.8
92.5°	3.4	3.2	3.2	2.9	2.6	2.3	2.0	1.7	1.5	1.5	1.6
95°	3.2	3.0	3.0	2.7	2.4	2.1	1.7	1.5	1.4	1.4	1.5
97.5°	2.9	2.8	2.7	2.4	2.1	1.8	1.6	1.4	1.4	1.3	1.4
100°	2.6	2.4	2.4	2.1	1.8	1.6	1.5	1.3	1.3	1.2	1.3
102.5°	2.2	2.1	2.0	1.8	1.6	1.5	1.4	1.3	1.2	1.2	1.2
105°	1.8	1.7	1.7	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.1
107.5°	1.5	1.4	1.3	1.3	1.3	1.3	1.1	1.0	1.0	1.0	1.0



TEST NUMBER: P394854

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	1.1	1.1	1.1	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8
112.5°	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.7	0.7
115°	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.6
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: P394854

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	145.7	144.5	144.4	144.0	144.7	143.5	143.9	142.8	142.8	142.8	143.1
5°	145.0	143.7	143.5	142.9	143.5	142.1	142.4	141.2	140.9	140.8	141.0
7.5°	146.0	144.5	144.3	143.4	143.8	142.3	142.5	141.2	140.5	140.4	140.6
10°	147.4	145.8	145.4	144.3	144.6	142.9	142.9	141.3	140.5	140.0	140.1
12.5°	148.4	146.8	146.2	144.7	144.9	143.1	142.8	140.9	139.8	139.2	139.1
15°	149.4	147.5	146.9	145.1	145.2	143.2	142.6	140.4	138.9	137.9	137.7
17.5°	151.1	149.1	148.3	146.2	146.0	144.0	143.0	140.4	138.5	137.2	136.8
20°	153.2	151.2	150.3	147.9	147.5	145.1	143.8	140.8	138.5	136.9	136.2
22.5°	155.0	152.9	151.8	149.2	148.5	145.6	143.9	140.5	137.7	135.8	134.6
25°	156.2	154.2	152.9	149.9	149.0	145.9	143.6	139.9	136.5	134.1	132.5
27.5°	157.8	155.7	154.2	151.0	149.7	146.2	143.4	139.0	135.2	132.2	130.2
30°	159.8	157.4	156.0	152.1	150.5	146.5	143.1	138.4	133.9	130.6	128.0
32.5°	161.0	158.5	156.6	152.5	150.4	146.0	142.0	136.6	131.5	127.7	125.0
35°	161.1	158.6	156.3	151.8	149.3	144.2	139.7	133.8	128.3	124.1	121.0
37.5°	161.0	157.8	155.3	150.4	147.2	141.7	136.6	130.3	124.4	119.9	116.5
40°	160.4	157.1	154.0	148.4	144.6	138.8	133.1	126.5	120.0	114.5	110.1
42°	160.0	156.2	152.5	146.6	142.3	136.3	130.2	123.1	115.5	109.2	104.1
42.5°	159.6	155.9	151.9	146.1	141.8	135.5	129.4	122.0	114.2	107.7	102.3
45°	157.7	153.3	148.9	142.5	137.5	130.9	123.9	115.3	106.5	98.1	88.4
47.5°	154.7	149.7	144.5	137.7	132.1	124.9	116.6	106.8	94.1	77.6	66.0
50°	150.7	145.2	139.2	131.9	126.1	117.7	108.4	91.8	71.6	62.3	55.7
52.5°	145.7	139.6	133.0	125.5	118.3	109.1	93.4	72.3	60.3	53.5	47.5
55°	139.8	133.2	126.0	117.9	109.6	95.9	75.6	61.4	52.2	46.5	40.4
57.5°	132.3	125.5	117.8	109.2	98.0	78.1	65.7	53.9	45.1	39.2	30.5
60°	123.7	116.8	108.6	99.4	81.9	67.4	57.6	47.2	36.5	26.1	18.6
62.5°	114.0	107.1	98.8	86.4	71.0	59.3	50.2	37.6	25.4	19.5	13.6
65°	103.6	96.7	88.2	74.1	62.3	51.8	40.1	29.8	20.3	15.4	10.2
67.5°	92.2	85.7	77.3	64.6	54.2	44.2	33.5	25.0	16.9	12.8	8.9
70°	80.3	74.4	66.7	55.7	46.4	37.7	28.4	21.3	14.6	11.1	7.7
72.5°	68.0	62.9	56.5	46.8	39.0	31.6	23.9	17.9	12.3	9.4	6.6
75°	55.5	51.3	46.0	38.1	31.7	25.8	19.5	14.7	10.2	7.7	5.5
77.5°	43.3	39.9	35.9	29.7	24.7	19.9	15.3	11.7	8.1	6.1	4.4
80°	31.6	29.1	26.2	21.8	18.1	14.9	11.4	8.6	6.1	4.7	3.4
82.5°	20.7	19.1	17.2	14.4	12.1	10.1	7.7	6.1	4.3	3.3	2.5
85°	11.5	10.7	9.7	8.2	7.0	6.0	4.7	3.8	2.8	2.2	1.7
87.5°	4.8	4.5	4.2	3.8	3.3	3.0	2.4	2.0	1.6	1.3	1.0
90°	1.9	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.1	0.9	0.7
92.5°	1.7	1.7	1.7	1.7	1.6	1.5	1.3	1.2	1.0	0.8	0.6
95°	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.1	0.9	0.8	0.6
97.5°	1.4	1.5	1.5	1.5	1.4	1.3	1.1	0.9	0.7	0.5	0.4
100°	1.3	1.3	1.3	1.3	1.3	1.1	1.0	0.8	0.7	0.5	0.3
102.5°	1.2	1.2	1.2	1.2	1.1	1.0	0.8	0.7	0.5	0.3	0.3
105°	1.0	1.0	1.0	1.0	0.9	0.9	0.7	0.6	0.4	0.3	0.2
107.5°	0.9	0.9	0.8	0.9	0.8	0.7	0.6	0.4	0.3	0.2	0.2



TEST NUMBER: P394854

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
110°	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.4	0.2	0.2	0.2
112.5°	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2
115°	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
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: P394854

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	144.9	144.9	144.9	144.9	144.9
2.5°	142.5	142.9	143.0	143.0	143.8
5°	140.3	140.9	140.7	140.8	141.6
7.5°	139.6	140.2	139.8	140.0	140.8
10°	139.1	139.5	139.1	139.1	139.9
12.5°	138.0	138.3	137.5	137.5	138.5
15°	136.4	136.6	135.7	135.7	136.6
17.5°	135.3	135.4	134.2	134.2	135.1
20°	134.3	134.3	133.0	132.9	133.7
22.5°	132.6	132.4	130.8	130.5	131.3
25°	130.1	129.6	127.9	127.5	128.4
27.5°	127.5	126.8	124.8	124.4	125.2
30°	125.0	124.0	121.8	121.4	122.1
32.5°	121.7	120.4	117.9	117.5	118.1
35°	117.5	115.9	113.3	112.7	113.3
37.5°	112.2	109.6	106.5	105.6	106.1
40°	105.1	102.0	98.1	96.8	97.3
42°	98.0	93.4	87.8	85.2	85.6
42.5°	95.7	90.1	83.2	80.0	80.2
45°	73.4	64.2	59.9	57.7	57.9
47.5°	57.1	52.3	49.4	47.6	47.9
50°	48.0	43.5	40.9	39.4	39.6
52.5°	40.6	36.4	33.9	32.3	31.7
55°	33.4	28.0	24.2	21.0	19.1
57.5°	18.5	13.1	10.7	9.3	8.6
60°	11.2	7.6	5.5	4.2	3.6
62.5°	7.3	4.2	2.2	0.8	0.2
65°	5.2	2.7	1.3	0.4	0.0
67.5°	4.6	2.4	1.2	0.3	0.0
70°	4.1	2.2	1.0	0.3	0.0
72.5°	3.5	1.9	0.9	0.3	0.0
75°	3.1	1.6	0.8	0.3	0.1
77.5°	2.5	1.4	0.7	0.2	0.1
80°	2.0	1.1	0.6	0.2	0.1
82.5°	1.5	0.9	0.5	0.2	0.1
85°	1.1	0.7	0.4	0.2	0.1
87.5°	0.7	0.5	0.3	0.1	0.1
90°	0.6	0.4	0.2	0.1	0.1
92.5°	0.5	0.4	0.2	0.1	0.1
95°	0.4	0.3	0.1	0.1	0.0
97.5°	0.3	0.2	0.1	0.1	0.1
100°	0.2	0.2	0.1	0.1	0.1
102.5°	0.2	0.1	0.1	0.1	0.1
105°	0.2	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P394854

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
110°	0.2	0.1	0.1	0.1	0.1
112.5°	0.2	0.2	0.1	0.1	0.1
115°	0.1	0.1	0.1	0.1	0.1
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)