

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: P394912

Luminaire Tested: **303-A1-LEDB1-3500-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

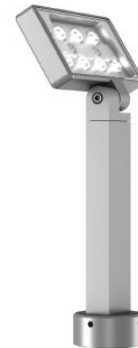
Test Information

Test Method: LM-79-2019
Report Number: P394912
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-LEDB1-3500-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

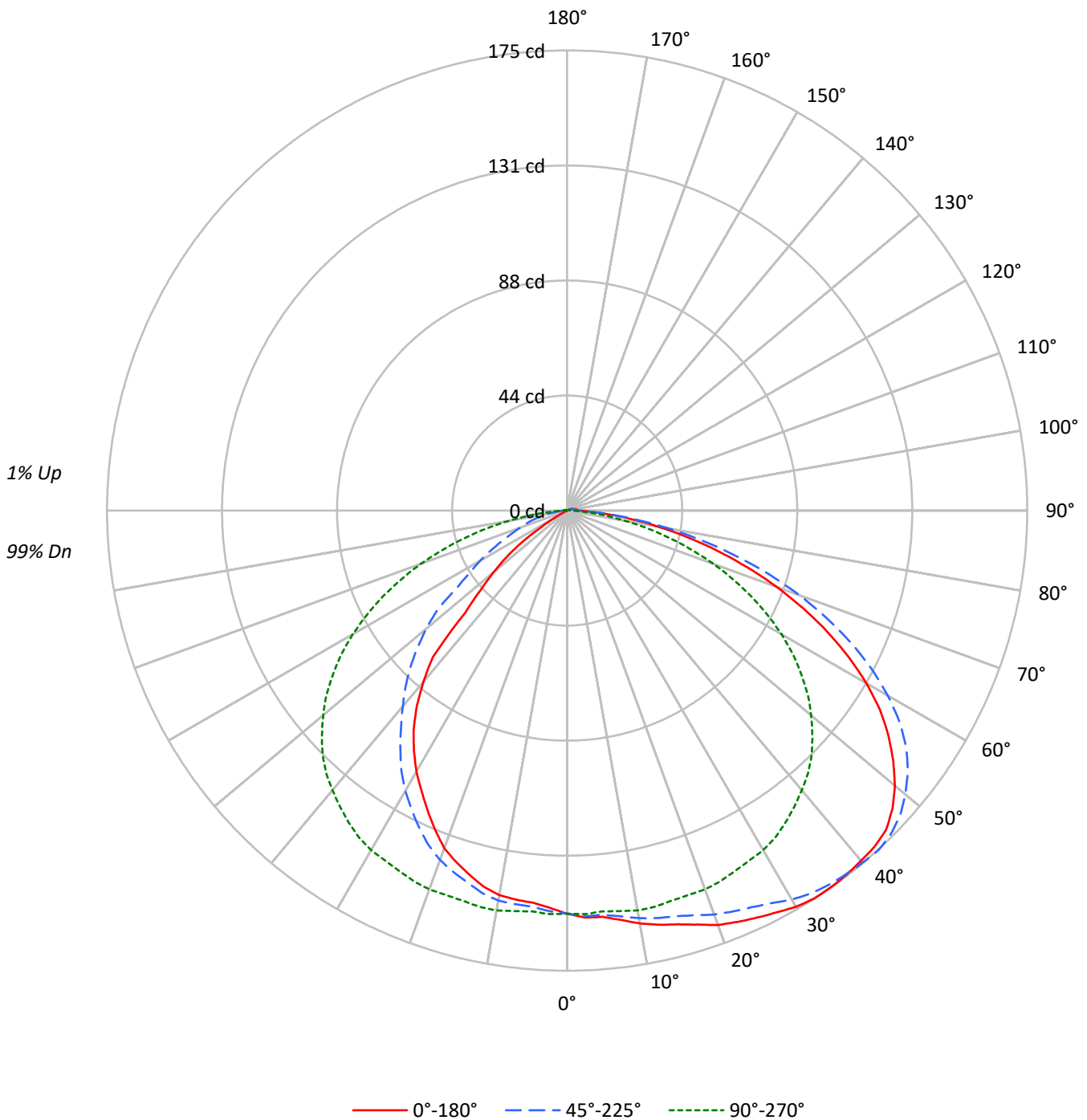
Lumens per Lamp: N/A
Luminaire Lumens: 525.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (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	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°	21121	21121	21121
5°	21361	21111	20618
10°	22114	21500	20601
15°	22941	21754	20195
20°	24166	22261	19684
25°	25397	22703	18691
30°	26936	23361	17740
35°	28461	23908	16566
40°	30066	24418	14696
45°	31904	24957	10170
50°	32987	25158	7400
55°	33540	25153	4743
60°	33429	24785	1247
65°	32307	23837	30
70°	30145	22220	36
75°	26726	19511	45
80°	21953	15438	62
85°	15516	9450	204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	2.8
10°-20°	43.4	8.3
20°-30°	69.2	13.2
30°-40°	88.8	16.9
40°-50°	97.0	18.5
50°-60°	89.6	17.1
60°-70°	68.5	13.0
70°-80°	39.4	7.5
80°-90°	10.8	2.1
90°-100°	2.1	0.4
100°-110°	1.3	0.2
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°	127.1	24.2
0°-40°	215.9	41.1
0°-60°	402.6	76.7
0°-90°	521.2	99.3
90°-120°	3.8	0.7
90°-150°	3.8	0.7
90°-180°	4.0	0.8
0°-180°	525.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	153	153	153	153	153	
5°	155	154	153	151	150	15
15°	163	160	154	146	143	46
25°	171	166	151	133	126	79
35°	175	174	145	111	102	110
45°	172	174	132	84	55	132
55°	149	158	109	51	21	133
65°	109	119	77	27	0	108
75°	59	66	40	13	0	63
85°	15	16	8	3	0	17
90°	4	4	1	1	0	3
95°	4	3	1	1	0	3
105°	2	2	1	1	0	3
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: P394912

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3
2.5°	154.9	153.2	152.4	153.4	152.6	154.3	153.7	153.4	153.4	154.5	154.4
5°	155.1	153.3	152.3	153.4	152.8	154.3	153.7	153.3	153.2	154.4	154.3
7.5°	157.0	155.0	154.0	155.2	154.5	155.9	155.2	154.8	154.7	155.9	155.6
10°	159.4	157.3	156.3	157.5	156.7	158.1	157.4	156.9	156.7	157.7	157.4
12.5°	161.3	159.1	158.3	159.4	158.5	159.8	159.2	158.4	158.3	159.1	158.7
15°	162.9	160.7	159.9	160.9	160.0	161.1	160.5	159.7	159.5	160.2	159.7
17.5°	165.1	162.9	162.0	163.2	162.3	162.9	162.3	161.6	161.5	162.0	161.3
20°	167.7	165.5	164.7	165.9	164.8	165.6	164.8	164.1	163.8	164.1	163.5
22.5°	169.3	167.2	166.7	167.9	166.8	167.4	166.8	166.0	165.8	166.0	165.0
25°	170.8	168.5	168.1	169.4	168.4	169.0	168.5	167.7	167.5	167.4	166.4
27.5°	172.3	170.0	169.7	171.1	170.2	170.8	170.4	169.8	169.5	169.3	168.3
30°	174.0	172.0	171.7	173.4	172.7	173.2	173.0	172.4	172.3	171.9	170.8
32.5°	174.9	173.1	173.1	174.8	174.5	175.1	175.0	174.5	174.3	173.9	172.6
35°	174.9	173.2	173.4	175.3	175.0	175.7	176.0	175.6	175.6	175.0	173.7
37.5°	174.5	173.1	173.5	175.4	175.2	176.0	176.6	176.3	176.4	175.8	174.3
40°	173.9	172.7	173.3	175.3	175.3	176.2	176.9	176.9	177.1	176.3	174.8
42.5°	173.2	172.1	172.9	174.9	175.0	175.9	177.3	177.3	177.5	176.7	175.2
45°	171.6	170.6	171.7	173.5	173.5	174.3	176.0	176.3	176.6	175.8	174.1
47.5°	167.8	167.0	168.3	170.2	170.7	171.5	173.5	173.8	174.3	173.4	171.7
50°	162.7	161.9	163.2	165.3	166.1	167.5	169.8	170.3	170.7	169.7	167.9
52.5°	156.3	155.9	157.1	159.3	160.6	162.0	164.5	165.5	166.2	165.4	163.3
55°	149.2	148.7	150.1	152.0	153.6	155.0	158.0	159.0	159.8	159.3	157.5
57.5°	141.0	140.6	142.0	143.7	145.4	146.7	150.0	151.1	151.9	151.5	150.0
60°	131.4	131.1	132.5	134.6	136.1	137.3	140.6	141.7	142.7	142.3	140.9
62.5°	120.8	120.6	122.0	123.6	125.5	126.6	129.9	131.1	132.1	131.4	130.6
65°	109.3	109.1	110.5	112.5	113.9	114.9	118.2	120.0	120.3	120.3	119.2
67.5°	97.1	97.0	98.3	100.1	101.5	102.4	105.4	107.2	107.6	107.7	106.8
70°	84.7	84.5	85.8	87.6	88.3	89.4	92.1	93.8	94.1	93.9	93.8
72.5°	71.9	71.8	72.9	74.2	75.4	76.1	78.5	79.9	80.1	80.2	80.4
75°	59.2	59.7	60.0	61.8	62.3	62.7	64.8	65.9	66.0	66.1	66.3
77.5°	46.9	46.8	47.6	49.2	49.4	49.7	51.3	52.1	52.2	52.3	52.4
80°	35.2	35.7	35.6	36.6	36.7	37.1	38.3	38.8	38.8	39.2	39.1
82.5°	24.4	24.9	24.7	25.5	25.5	25.6	26.4	26.6	26.5	26.8	26.8
85°	15.2	15.5	15.3	15.8	15.6	15.7	16.1	16.1	15.9	16.1	15.9
87.5°	8.3	8.4	8.2	8.7	8.6	8.3	8.4	8.2	8.0	8.0	7.8
90°	4.5	4.6	4.7	4.7	4.6	4.5	4.5	4.3	4.2	4.2	4.0
92.5°	4.0	4.0	4.1	4.1	4.1	4.0	4.0	3.9	3.8	3.7	3.6
95°	3.6	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.3
97.5°	3.3	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0
100°	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7
102.5°	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.3
105°	2.5	2.5	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.1	1.9
107.5°	2.2	2.2	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5
110°	1.8	1.9	1.9	1.8	1.7	1.6	1.5	1.3	1.3	1.2	1.1



TEST NUMBER: P394912

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	1.5	1.5	1.5	1.4	1.3	1.2	1.1	0.9	0.9	0.8	0.7
115°	1.0	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3
2.5°	153.5	154.0	154.0	153.7	153.6	153.7	153.5	154.0	153.6	152.8	153.3
5°	153.3	153.9	153.7	153.5	153.1	153.3	153.1	153.5	153.0	152.2	152.6
7.5°	154.6	155.3	154.8	154.7	154.1	154.3	154.0	154.2	153.6	152.8	153.1
10°	156.3	157.2	156.4	156.2	155.2	155.5	155.0	155.0	154.4	153.5	153.6
12.5°	157.5	158.4	157.3	157.0	155.8	156.0	155.2	155.0	154.3	153.2	153.2
15°	158.5	159.3	158.0	157.5	156.0	156.1	155.0	154.5	153.6	152.3	152.0
17.5°	160.0	160.8	159.2	158.6	156.6	156.5	155.2	154.3	153.3	151.8	151.2
20°	162.0	162.8	160.9	160.1	157.7	157.6	155.9	154.6	153.3	151.5	150.5
22.5°	163.4	164.2	162.0	161.1	158.3	157.9	156.0	154.2	152.5	150.5	148.9
25°	164.8	165.5	162.9	161.8	158.5	157.9	155.6	153.3	151.2	148.8	146.9
27.5°	166.6	167.1	164.1	162.8	159.0	158.2	155.3	152.4	150.0	147.0	144.6
30°	168.9	169.4	166.0	164.4	160.0	158.9	155.4	152.1	149.1	145.6	142.5
32.5°	170.7	170.9	167.3	165.4	160.4	158.9	155.0	150.8	147.4	143.4	139.6
35°	171.8	171.6	167.6	165.4	160.0	158.1	153.7	148.8	144.8	140.4	135.9
37.5°	172.3	172.0	167.7	165.2	159.2	156.8	151.8	146.4	141.9	136.8	131.5
40°	172.9	172.2	167.5	164.7	158.2	155.3	149.9	143.9	138.8	133.3	127.3
42.5°	173.1	172.2	167.1	164.0	156.9	153.7	147.7	141.1	135.6	129.6	123.1
45°	172.1	170.7	165.4	161.9	154.5	150.7	144.4	137.3	131.5	125.2	118.2
47.5°	169.4	167.6	162.3	158.4	150.7	146.7	140.1	132.5	126.5	120.0	112.7
50°	165.8	163.6	158.2	154.1	146.1	141.8	135.0	127.3	121.1	114.5	107.0
52.5°	161.2	158.8	153.1	148.8	140.7	136.2	129.3	121.5	115.5	108.6	101.0
55°	155.2	152.6	146.9	142.4	134.3	129.7	122.9	114.9	108.7	102.1	94.6
57.5°	148.3	145.0	139.4	134.6	126.7	122.1	115.4	107.7	101.9	95.2	87.8
60°	139.5	136.2	130.5	125.8	118.0	113.5	107.1	100.0	94.1	87.7	80.7
62.5°	129.3	126.2	120.7	115.4	108.6	104.0	98.0	91.4	85.9	79.8	73.3
65°	118.1	115.0	110.2	105.1	98.4	94.0	88.5	82.3	77.3	71.6	65.6
67.5°	105.8	102.9	98.5	93.7	87.5	84.0	78.5	72.8	68.2	63.2	57.8
70°	92.8	90.0	86.3	81.6	76.5	72.5	68.2	63.1	59.2	54.8	49.9
72.5°	79.2	76.7	73.4	69.4	64.5	61.8	57.6	53.2	49.6	45.9	41.9
75°	65.3	63.1	60.4	57.0	52.8	50.6	47.0	43.3	40.3	37.3	33.9
77.5°	51.6	49.8	47.6	45.4	41.4	39.5	36.7	33.7	31.4	28.9	26.3
80°	38.2	36.8	35.1	33.1	30.5	28.9	26.7	24.4	22.4	20.9	19.3
82.5°	25.8	24.8	23.6	22.2	20.4	19.1	17.6	15.9	14.6	13.7	12.6
85°	15.3	14.6	13.8	12.8	11.6	10.9	9.9	8.8	7.8	7.4	7.0
87.5°	7.7	7.0	6.5	6.2	5.2	4.8	4.2	3.6	3.3	3.0	3.0
90°	3.8	3.5	3.2	2.9	2.6	2.3	1.9	1.6	1.4	1.4	1.5
92.5°	3.4	3.2	2.9	2.7	2.4	2.0	1.7	1.3	1.3	1.3	1.3
95°	3.1	2.9	2.7	2.4	2.1	1.8	1.4	1.2	1.2	1.2	1.2
97.5°	2.9	2.6	2.4	2.1	1.8	1.5	1.3	1.2	1.1	1.1	1.1
100°	2.5	2.3	2.1	1.8	1.5	1.3	1.2	1.1	1.1	1.1	1.1
102.5°	2.2	2.0	1.8	1.5	1.2	1.2	1.1	1.0	1.0	1.0	1.0
105°	1.8	1.6	1.4	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9
107.5°	1.4	1.2	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.8
110°	1.0	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.7



TEST NUMBER: P394912

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.6	0.6
115°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	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: P394912

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3
2.5°	152.8	154.4	153.2	152.6	153.2	152.7	152.5	153.7	152.1	151.5	151.2
5°	151.9	153.5	152.3	151.5	152.2	151.4	151.2	152.4	150.8	150.1	149.7
7.5°	152.3	153.8	152.5	151.6	152.3	151.2	151.0	152.0	150.5	149.7	149.4
10°	152.7	154.0	152.6	151.5	152.3	150.9	150.6	151.5	150.0	149.0	148.6
12.5°	152.1	153.1	151.6	150.3	151.1	149.3	149.0	149.6	148.1	147.0	146.6
15°	150.8	151.5	149.8	148.4	149.2	147.0	146.4	146.9	145.4	144.1	143.7
17.5°	149.7	150.2	148.2	146.6	147.2	144.7	144.1	144.3	142.7	141.2	140.6
20°	148.8	148.9	146.7	144.8	145.2	142.5	141.4	141.4	139.9	138.2	137.4
22.5°	146.8	146.4	144.2	141.9	142.0	139.0	137.7	137.4	135.6	133.7	133.0
25°	144.3	143.3	140.6	138.2	137.8	134.6	133.1	132.5	130.8	128.6	127.7
27.5°	141.5	139.9	136.9	134.1	133.4	129.8	128.1	127.2	125.4	123.0	122.2
30°	138.9	136.6	133.2	130.0	128.8	125.0	123.1	121.9	120.2	117.7	116.8
32.5°	135.4	132.4	128.4	124.8	123.3	119.3	117.3	115.8	114.1	111.7	111.1
35°	131.1	127.4	122.9	118.9	117.0	112.8	110.6	109.0	107.5	105.1	104.4
37.5°	126.4	122.0	117.0	112.7	110.3	106.0	103.8	102.1	100.7	98.5	97.7
40°	121.7	116.8	111.2	106.5	103.8	99.5	97.2	95.5	94.2	91.6	90.4
42.5°	117.0	111.5	105.4	100.4	97.5	93.2	91.0	89.2	87.1	84.2	82.5
45°	111.6	105.5	99.2	94.1	90.9	86.7	84.4	81.8	79.5	76.2	73.6
47.5°	105.8	99.3	92.8	87.6	84.3	80.1	77.1	73.9	71.1	66.8	57.8
50°	99.8	93.1	86.4	81.5	77.9	73.3	69.9	65.9	58.2	51.8	47.9
52.5°	93.6	86.8	80.2	75.4	71.4	66.5	62.4	52.9	47.7	43.7	40.3
55°	87.4	80.6	74.1	69.4	64.9	59.6	51.1	44.5	40.6	37.0	33.5
57.5°	80.9	74.2	67.9	63.1	58.1	49.5	43.7	38.2	34.6	30.5	26.5
60°	74.1	67.8	62.0	56.7	50.3	42.2	38.2	32.5	28.6	22.7	18.0
62.5°	67.2	61.3	55.5	50.4	42.9	36.6	32.5	26.8	21.0	16.8	12.4
65°	60.1	54.7	49.2	42.6	37.1	31.6	27.1	21.4	16.5	12.3	8.8
67.5°	52.9	48.0	43.3	36.9	32.1	27.2	22.6	17.5	13.3	10.4	7.7
70°	46.0	41.4	37.1	31.8	27.4	23.2	19.1	15.0	11.6	9.0	6.7
72.5°	38.4	34.8	31.0	26.6	23.0	19.5	16.1	12.7	9.8	7.7	5.7
75°	31.5	28.3	25.4	21.7	18.9	15.8	13.1	10.4	8.1	6.3	4.7
77.5°	24.5	22.0	19.8	16.9	14.5	12.4	10.3	8.1	6.4	5.0	3.7
80°	17.8	16.0	14.3	12.2	10.7	9.0	7.6	6.0	4.8	3.7	2.8
82.5°	11.8	10.5	9.4	8.1	7.1	6.1	5.2	4.2	3.3	2.6	2.0
85°	6.6	6.0	5.3	4.6	4.2	3.6	3.1	2.6	2.1	1.7	1.3
87.5°	3.0	2.8	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9
90°	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.2	1.1	0.9	0.7
92.5°	1.4	1.4	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.8	0.7
95°	1.3	1.3	1.4	1.4	1.3	1.2	1.2	1.0	0.9	0.7	0.6
97.5°	1.2	1.2	1.2	1.2	1.2	1.1	1.1	0.9	0.8	0.7	0.5
100°	1.1	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.4
102.5°	1.0	0.9	1.0	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4
105°	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3
107.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.3	0.3
110°	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2



TEST NUMBER: P394912

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	0.6	0.5	0.5	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: P394912

CATALOG NUMBER: 303-A1-LEDB1-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	153.3	153.3	153.3	153.3	153.3
2.5°	151.9	152.6	151.1	151.9	151.2
5°	150.3	151.1	149.6	150.4	149.7
7.5°	149.9	150.6	149.1	149.9	149.2
10°	149.1	149.9	148.4	149.0	148.5
12.5°	147.0	147.9	146.2	146.9	146.5
15°	144.0	144.7	143.1	143.6	143.4
17.5°	140.6	141.5	139.8	140.1	140.2
20°	137.3	138.0	136.2	136.5	136.6
22.5°	132.5	133.2	131.3	131.5	131.3
25°	127.0	127.5	125.8	125.8	125.7
27.5°	121.4	121.9	120.1	120.0	120.0
30°	116.0	116.3	114.9	114.6	114.6
32.5°	110.0	110.2	109.0	108.5	108.4
35°	103.5	103.6	102.4	101.8	101.8
37.5°	96.7	96.1	94.6	93.9	93.9
40°	88.7	87.9	86.2	85.2	85.0
42.5°	80.2	78.9	77.1	75.9	75.6
45°	70.2	62.2	57.4	55.4	54.7
47.5°	51.5	48.6	46.3	45.0	44.5
50°	42.3	40.0	38.1	37.0	36.5
52.5°	35.2	32.8	31.2	29.6	29.0
55°	28.3	25.5	23.7	22.0	21.1
57.5°	19.0	15.1	13.0	11.3	11.3
60°	11.9	8.8	6.5	5.0	4.9
62.5°	7.0	3.8	1.5	0.4	0.2
65°	4.7	2.5	1.2	0.4	0.1
67.5°	4.2	2.3	1.1	0.4	0.1
70°	3.7	2.0	1.0	0.3	0.1
72.5°	3.2	1.8	0.9	0.3	0.2
75°	2.7	1.5	0.8	0.3	0.1
77.5°	2.2	1.3	0.7	0.3	0.1
80°	1.7	1.0	0.6	0.2	0.1
82.5°	1.3	0.8	0.5	0.2	0.2
85°	0.9	0.6	0.4	0.2	0.2
87.5°	0.7	0.5	0.3	0.2	0.2
90°	0.6	0.4	0.3	0.2	0.1
92.5°	0.5	0.4	0.3	0.2	0.2
95°	0.5	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: P394912

CATALOG NUMBER: 303-A1-LEDB1-3500-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)