

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: P394860

Luminaire Tested: **303-A1-LEDB1-4000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394860
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-LEDB1-4000-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

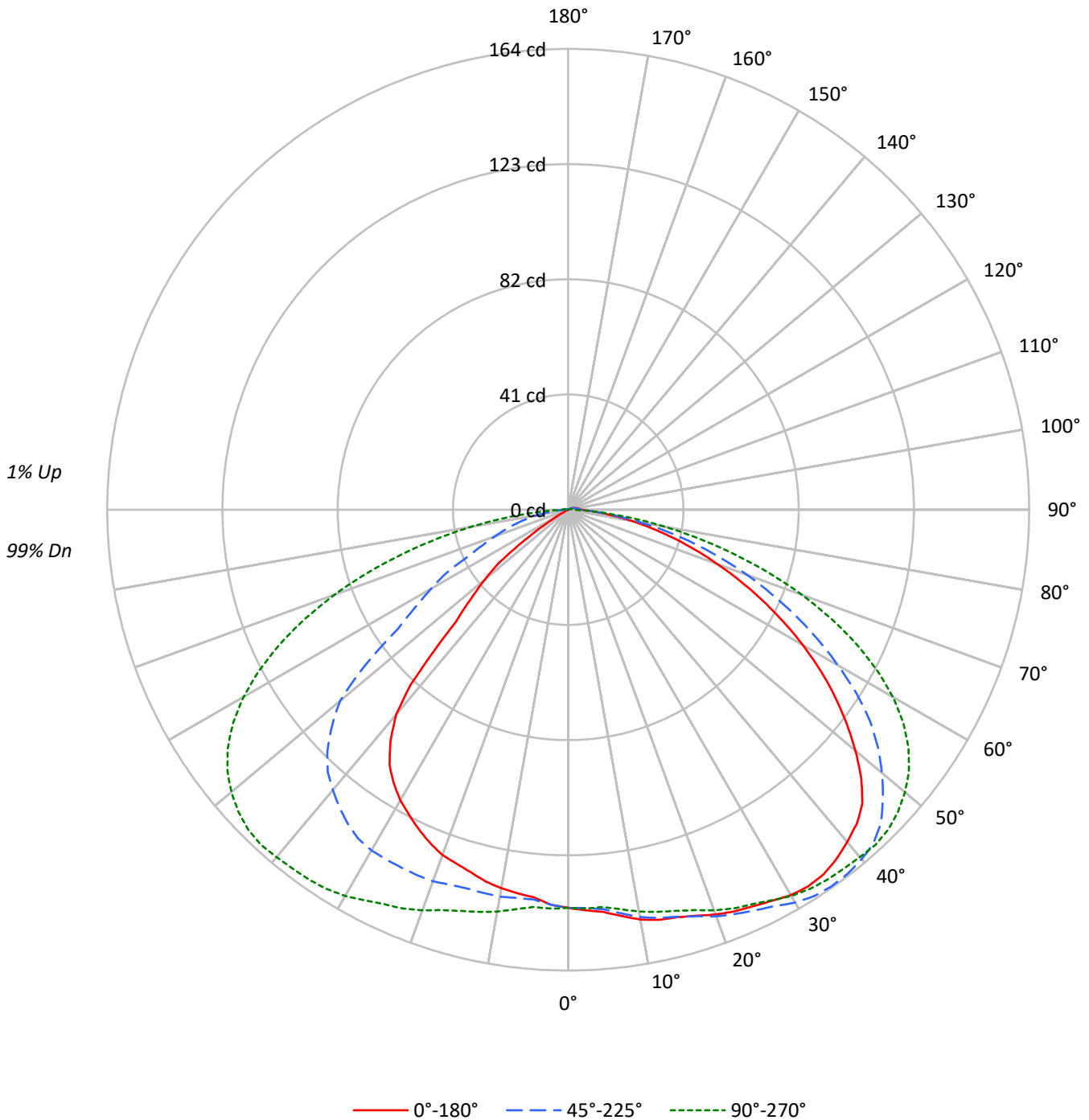
Lumens per Lamp: N/A
Luminaire Lumens: 539.1 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

Input Watts (W): 8.4
Input Voltage (V): 120
Input Current (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



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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	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°	19523	19523	19523
5°	19791	19580	19075
10°	20546	20219	18978
15°	21138	20932	18815
20°	22091	22029	18849
25°	23152	23259	18676
30°	24521	24865	18483
35°	25776	26534	18030
40°	26695	28394	16459
45°	27517	30556	10523
50°	27046	32491	7846
55°	26032	34200	4204
60°	24525	35136	890
65°	22494	34877	0
70°	20073	33180	0
75°	17381	29630	45
80°	14157	24122	62
85°	10616	14660	102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	2.5
10°-20°	41.2	7.6
20°-30°	68.7	12.7
30°-40°	93.1	17.3
40°-50°	104.2	19.3
50°-60°	94.9	17.6
60°-70°	70.0	13.0
70°-80°	39.0	7.2
80°-90°	10.5	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°	123.4	22.9
0°-40°	216.5	40.2
0°-60°	415.6	77.1
0°-90°	535.1	99.2
90°-120°	4.0	0.8
90°-150°	4.0	0.8
90°-180°	4.0	0.7
0°-180°	539.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	144	143	142	139	138	14
15°	150	150	148	140	134	43
25°	156	157	155	140	126	72
35°	158	164	161	137	111	99
45°	148	157	161	121	57	113
55°	116	131	148	74	19	103
65°	76	89	113	39	0	75
75°	38	46	61	19	0	41
85°	10	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°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
2.5°	142.7	142.5	143.7	143.8	143.2	142.6	142.0	143.0	143.1	141.9	143.6
5°	143.7	143.4	144.6	144.7	144.1	143.4	142.9	143.9	143.9	142.7	144.2
7.5°	145.8	145.4	146.8	146.8	146.3	145.9	145.1	146.1	146.0	144.9	146.3
10°	148.1	147.9	149.3	149.2	148.8	148.3	147.5	148.6	148.3	147.2	148.5
12.5°	149.5	149.4	150.7	150.6	150.3	149.9	149.1	150.2	149.8	148.8	150.1
15°	150.1	150.1	151.6	151.6	151.2	150.9	150.1	151.3	151.0	150.0	151.2
17.5°	151.5	151.5	153.1	152.9	152.7	152.5	151.7	153.0	152.6	151.7	152.8
20°	153.3	153.4	155.0	154.8	154.7	154.6	153.8	155.0	154.7	154.0	154.8
22.5°	154.7	154.7	156.4	156.2	156.1	156.1	155.3	156.7	156.4	155.7	156.6
25°	155.7	155.8	157.4	157.3	157.1	157.3	156.6	158.3	157.9	157.3	158.1
27.5°	156.9	157.0	158.6	158.6	158.6	158.9	158.3	159.8	159.5	159.0	159.5
30°	158.4	158.6	160.3	160.1	160.4	160.8	160.3	161.9	161.7	161.5	161.8
32.5°	158.9	159.2	161.1	161.0	161.4	162.0	161.5	163.3	163.0	163.0	163.4
35°	158.4	158.6	160.4	160.4	161.0	161.8	161.5	163.3	163.2	163.5	164.0
37.5°	156.7	157.1	158.7	158.8	159.5	160.6	160.5	162.6	162.7	163.3	163.8
40°	154.4	154.8	156.5	156.7	157.6	158.6	158.6	160.8	161.1	162.4	163.3
42°	152.3	152.8	154.2	154.4	155.4	156.5	156.7	159.0	159.4	161.2	162.5
42.5°	151.9	152.3	153.7	153.8	154.7	155.9	156.1	158.5	158.8	160.8	162.1
45°	148.0	148.1	149.6	149.8	150.9	151.7	152.0	154.1	154.8	157.4	158.9
47.5°	141.4	141.6	142.9	143.6	145.2	146.3	146.7	148.7	149.3	151.9	154.1
50°	133.4	133.7	135.0	135.8	137.3	138.8	140.1	142.5	142.9	145.7	147.8
52.5°	124.8	125.2	126.2	127.0	128.7	130.3	131.8	134.7	136.0	138.9	140.6
55°	115.8	116.2	116.9	117.6	119.2	120.9	122.7	125.7	127.3	131.1	132.7
57.5°	106.4	106.3	108.0	108.0	109.5	111.1	112.9	115.8	117.4	121.5	124.1
60°	96.4	96.7	97.7	97.8	99.6	101.2	103.0	105.5	106.9	110.9	113.9
62.5°	86.3	86.6	86.4	87.4	89.1	90.9	92.8	95.3	96.3	100.2	103.0
65°	76.1	76.4	76.6	77.1	78.7	80.4	82.3	84.5	86.2	89.3	91.8
67.5°	66.1	66.3	65.9	67.0	68.5	70.0	71.8	73.8	75.2	78.2	80.5
70°	56.4	56.6	56.7	57.2	58.4	59.9	61.5	62.8	64.6	67.7	69.2
72.5°	47.2	47.4	47.0	47.7	48.9	49.7	51.5	52.6	53.9	56.7	58.0
75°	38.5	38.6	38.7	38.9	40.2	40.4	42.0	42.7	43.8	46.1	47.1
77.5°	30.3	30.3	30.4	30.6	31.2	31.7	32.9	33.4	34.3	36.0	36.3
80°	22.7	22.8	22.8	22.9	23.5	23.6	24.6	24.7	25.4	26.2	27.1
82.5°	15.9	16.0	16.0	16.0	16.4	16.4	17.0	17.0	17.4	17.8	17.9
85°	10.4	10.4	10.5	10.4	10.5	10.5	10.9	10.7	10.8	11.1	10.8
87.5°	6.4	6.5	6.5	6.4	6.5	6.3	6.5	6.2	6.2	6.2	5.7
90°	4.7	4.8	4.7	4.8	4.8	4.7	4.6	4.4	4.3	4.1	3.9
92.5°	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.1	3.9	3.8	3.5
95°	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.7	3.6	3.5	3.2
97.5°	3.5	3.5	3.4	3.4	3.5	3.5	3.5	3.4	3.3	3.2	3.0
100°	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.0	2.9	2.8	2.7
102.5°	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.5	2.5	2.3
105°	2.4	2.5	2.4	2.4	2.3	2.3	2.3	2.2	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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CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T2-DIM10-EDGE

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°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
2.5°	142.3	143.5	141.9	142.6	142.7	141.8	142.0	142.0	142.1	143.0	141.8
5°	143.0	144.1	142.5	143.1	143.1	142.0	142.1	142.0	141.9	142.8	141.3
7.5°	145.0	146.0	144.5	144.9	144.7	143.6	143.8	143.6	143.4	144.1	142.5
10°	147.1	148.3	146.7	147.0	146.8	145.5	145.7	145.5	145.2	145.7	144.1
12.5°	148.7	149.8	148.4	148.7	148.4	147.1	147.2	147.1	146.6	147.0	145.2
15°	149.9	151.0	149.7	149.8	149.5	148.3	148.4	148.4	147.8	148.0	146.3
17.5°	151.6	152.8	151.5	151.4	151.3	150.0	150.1	150.1	149.4	149.7	148.0
20°	153.9	155.1	153.9	153.7	153.6	152.4	152.3	152.5	151.7	152.0	150.2
22.5°	155.7	156.8	155.9	155.5	155.2	154.1	154.1	154.3	153.6	153.7	152.0
25°	157.2	158.4	157.4	156.9	156.7	155.6	155.7	156.0	154.9	155.0	153.6
27.5°	158.9	159.9	159.2	158.6	158.3	157.3	157.3	157.7	156.7	156.6	155.1
30°	161.3	162.2	161.7	160.7	160.3	159.3	159.5	159.9	158.7	158.6	157.2
32.5°	163.0	164.0	163.5	162.7	162.2	161.2	161.1	161.4	160.0	159.8	158.6
35°	163.9	165.1	164.8	163.7	163.3	162.3	162.0	162.3	160.7	160.3	159.0
37.5°	164.4	165.8	165.7	164.8	164.4	163.2	162.9	163.0	161.0	160.4	159.0
40°	164.6	165.9	166.2	165.4	165.3	164.3	163.7	163.7	161.4	160.4	158.8
42°	164.2	165.8	166.4	165.9	166.1	165.2	164.4	164.2	161.7	160.6	158.7
42.5°	164.0	165.5	166.3	165.9	166.2	165.4	164.5	164.3	161.8	160.5	158.6
45°	161.7	163.6	164.8	165.1	165.5	165.0	164.1	163.8	161.0	159.3	157.4
47.5°	157.5	159.6	161.3	162.4	163.2	163.3	162.6	162.4	159.1	157.1	154.7
50°	151.9	154.3	156.5	158.2	159.8	160.7	160.0	159.8	156.4	154.1	151.3
52.5°	145.2	147.8	149.9	152.8	155.3	156.8	156.6	156.3	152.8	150.0	147.0
55°	137.1	139.9	142.7	145.9	149.2	151.5	151.6	151.5	147.8	144.8	141.6
57.5°	128.3	130.8	133.9	137.5	141.8	144.8	145.2	145.1	141.4	138.1	134.3
60°	118.6	120.8	123.9	127.8	132.5	136.1	136.9	137.1	133.4	130.1	126.6
62.5°	108.1	110.3	113.3	117.1	122.0	126.0	127.2	127.6	123.9	120.6	116.8
65°	96.7	99.0	102.1	105.6	110.5	114.7	116.0	116.5	113.1	110.0	106.7
67.5°	84.9	87.1	90.1	93.5	98.2	102.3	103.7	104.4	101.2	98.3	95.3
70°	73.1	74.8	77.7	80.9	85.3	88.5	90.5	91.2	88.4	85.8	83.1
72.5°	61.3	62.7	65.3	68.1	71.9	74.8	76.7	77.4	74.9	72.8	70.7
75°	49.7	51.0	53.1	55.5	58.6	61.7	62.7	63.4	61.2	59.5	57.9
77.5°	38.6	39.4	41.3	43.1	45.6	47.3	48.7	49.4	47.6	46.3	45.1
80°	28.3	28.7	30.1	31.3	33.2	34.2	35.3	35.7	35.0	33.5	32.9
82.5°	19.0	19.1	20.1	20.6	21.6	22.8	23.0	23.2	22.6	21.7	21.5
85°	11.2	11.1	11.7	11.7	11.9	12.6	12.5	12.5	12.1	11.9	11.8
87.5°	5.8	5.5	5.7	5.5	5.3	5.3	5.0	4.9	4.7	4.7	4.8
90°	3.6	3.4	3.4	3.1	2.7	2.4	2.2	1.9	1.7	1.7	1.8
92.5°	3.3	3.1	3.1	2.8	2.5	2.2	2.0	1.7	1.5	1.5	1.6
95°	3.1	2.9	2.9	2.6	2.3	2.1	1.7	1.5	1.4	1.4	1.5
97.5°	2.8	2.7	2.6	2.3	2.1	1.8	1.6	1.4	1.4	1.3	1.4
100°	2.5	2.3	2.3	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: P394860

CATALOG NUMBER: 303-A1-LEDB1-4000-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: P394860

CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
2.5°	142.5	141.3	141.2	140.8	141.5	140.4	140.7	139.7	139.7	139.7	140.0
5°	141.8	140.6	140.4	139.8	140.4	139.0	139.3	138.1	137.8	137.7	137.9
7.5°	142.8	141.3	141.1	140.3	140.7	139.2	139.4	138.1	137.4	137.3	137.5
10°	144.2	142.6	142.2	141.1	141.4	139.8	139.8	138.2	137.4	136.9	137.0
12.5°	145.2	143.6	143.0	141.5	141.7	140.0	139.7	137.8	136.7	136.2	136.1
15°	146.1	144.3	143.7	141.9	142.0	140.1	139.5	137.3	135.9	134.9	134.7
17.5°	147.8	145.8	145.1	143.0	142.8	140.8	139.9	137.3	135.5	134.2	133.8
20°	149.8	147.9	147.0	144.7	144.3	141.9	140.7	137.7	135.5	133.9	133.2
22.5°	151.6	149.6	148.5	145.9	145.2	142.4	140.7	137.4	134.7	132.8	131.7
25°	152.8	150.8	149.6	146.6	145.7	142.7	140.5	136.8	133.5	131.2	129.6
27.5°	154.3	152.3	150.8	147.7	146.4	143.0	140.3	136.0	132.2	129.3	127.3
30°	156.3	154.0	152.6	148.8	147.2	143.3	140.0	135.4	131.0	127.7	125.2
32.5°	157.5	155.0	153.2	149.2	147.1	142.8	138.9	133.6	128.6	124.9	122.3
35°	157.6	155.1	152.9	148.5	146.0	141.0	136.6	130.9	125.5	121.4	118.4
37.5°	157.5	154.3	151.9	147.1	144.0	138.6	133.6	127.4	121.7	117.3	113.9
40°	156.9	153.7	150.6	145.2	141.4	135.8	130.2	123.7	117.4	112.0	107.7
42°	156.5	152.8	149.2	143.4	139.2	133.3	127.3	120.4	113.0	106.8	101.8
42.5°	156.1	152.5	148.6	142.9	138.7	132.5	126.6	119.3	111.7	105.3	100.1
45°	154.2	149.9	145.6	139.4	134.5	128.0	121.2	112.8	104.2	96.0	86.5
47.5°	151.3	146.4	141.3	134.7	129.2	122.2	114.0	104.5	92.0	75.9	64.6
50°	147.4	142.0	136.2	129.0	123.3	115.1	106.0	89.8	70.0	60.9	54.5
52.5°	142.5	136.5	130.1	122.8	115.7	106.7	91.4	70.7	59.0	52.3	46.5
55°	136.7	130.3	123.2	115.3	107.2	93.8	73.9	60.1	51.1	45.5	39.5
57.5°	129.4	122.8	115.2	106.8	95.9	76.4	64.3	52.7	44.1	38.3	29.8
60°	121.0	114.2	106.2	97.2	80.1	65.9	56.3	46.2	35.7	25.5	18.2
62.5°	111.5	104.8	96.6	84.5	69.4	58.0	49.1	36.8	24.8	19.1	13.3
65°	101.3	94.6	86.3	72.5	60.9	50.7	39.2	29.1	19.9	15.1	10.0
67.5°	90.2	83.8	75.6	63.2	53.0	43.2	32.8	24.5	16.5	12.5	8.7
70°	78.5	72.8	65.2	54.5	45.4	36.9	27.8	20.8	14.3	10.9	7.5
72.5°	66.5	61.5	55.3	45.8	38.1	30.9	23.4	17.5	12.0	9.2	6.5
75°	54.3	50.2	45.0	37.3	31.0	25.2	19.1	14.4	10.0	7.5	5.4
77.5°	42.4	39.0	35.1	29.0	24.2	19.5	15.0	11.4	7.9	6.0	4.3
80°	30.9	28.5	25.6	21.3	17.7	14.6	11.2	8.4	6.0	4.6	3.3
82.5°	20.2	18.7	16.8	14.1	11.8	9.9	7.5	6.0	4.2	3.2	2.4
85°	11.2	10.5	9.5	8.0	6.8	5.9	4.6	3.7	2.7	2.2	1.7
87.5°	4.7	4.4	4.1	3.7	3.2	2.9	2.3	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: P394860

CATALOG NUMBER: 303-A1-LEDB1-4000-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: P394860

CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	141.7	141.7	141.7	141.7	141.7
2.5°	139.4	139.8	139.9	139.9	140.7
5°	137.2	137.8	137.6	137.7	138.5
7.5°	136.5	137.1	136.7	136.9	137.7
10°	136.1	136.4	136.1	136.1	136.8
12.5°	135.0	135.3	134.5	134.5	135.5
15°	133.4	133.6	132.7	132.7	133.6
17.5°	132.3	132.4	131.3	131.3	132.1
20°	131.4	131.4	130.1	130.0	130.8
22.5°	129.7	129.5	127.9	127.6	128.4
25°	127.3	126.8	125.1	124.7	125.6
27.5°	124.7	124.0	122.1	121.7	122.5
30°	122.3	121.3	119.1	118.7	119.4
32.5°	119.0	117.8	115.3	114.9	115.5
35°	114.9	113.4	110.8	110.2	110.8
37.5°	109.7	107.2	104.2	103.3	103.8
40°	102.8	99.8	96.0	94.7	95.2
42°	95.9	91.4	85.9	83.3	83.7
42.5°	93.6	88.1	81.4	78.2	78.4
45°	71.8	62.8	58.6	56.4	56.6
47.5°	55.8	51.2	48.3	46.6	46.9
50°	46.9	42.5	40.0	38.5	38.7
52.5°	39.7	35.6	33.2	31.6	31.0
55°	32.7	27.4	23.7	20.5	18.7
57.5°	18.1	12.8	10.5	9.1	8.4
60°	11.0	7.4	5.4	4.1	3.5
62.5°	7.1	4.1	2.2	0.8	0.2
65°	5.1	2.6	1.3	0.4	0.0
67.5°	4.5	2.3	1.2	0.3	0.0
70°	4.0	2.2	1.0	0.3	0.0
72.5°	3.4	1.9	0.9	0.3	0.0
75°	3.0	1.6	0.8	0.3	0.1
77.5°	2.4	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: P394860

CATALOG NUMBER: 303-A1-LEDB1-4000-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)