

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: P394843

Luminaire Tested: **303-A1-LEDB1-2700-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394843
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-LEDB1-2700-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

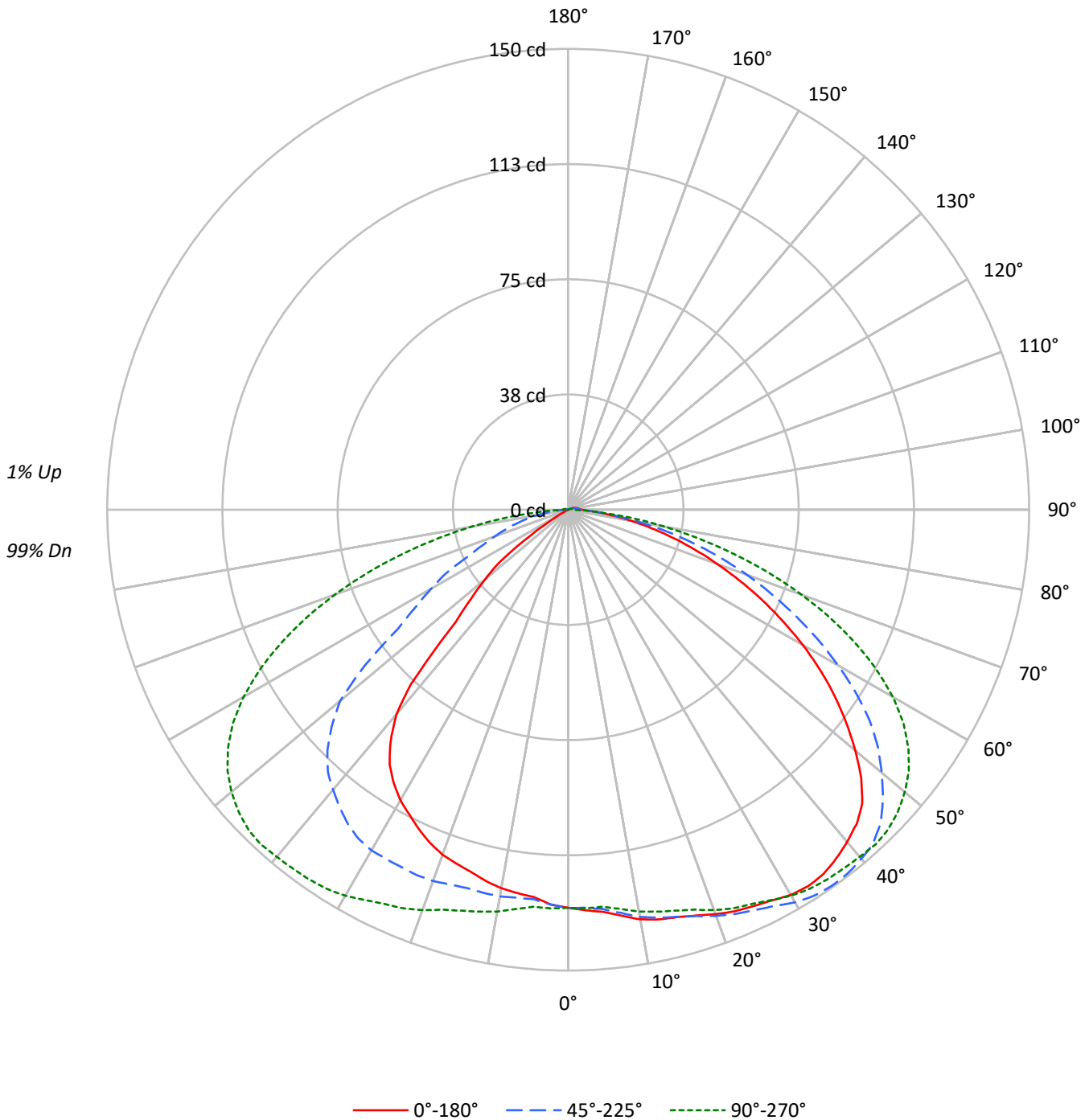
Lumens per Lamp: N/A
Luminaire Lumens: 492.8 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

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°	17856	17856	17856
5°	18097	17896	17436
10°	18784	18492	17355
15°	19336	19134	17195
20°	20189	20141	17220
25°	21174	21262	17070
30°	22415	22734	16904
35°	23563	24255	16484
40°	24413	25948	15042
45°	25155	27937	9631
50°	24735	29707	7177
55°	23806	31262	3844
60°	22439	32134	814
65°	20573	31886	0
70°	18364	30327	0
75°	15891	27112	45
80°	12910	22054	62
85°	9697	13448	102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	2.5
10°-20°	37.6	7.6
20°-30°	62.8	12.7
30°-40°	85.1	17.3
40°-50°	95.3	19.3
50°-60°	86.7	17.6
60°-70°	64.0	13.0
70°-80°	35.7	7.2
80°-90°	9.6	1.9
90°-100°	2.1	0.4
100°-110°	1.2	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°	112.8	22.9
0°-40°	197.9	40.2
0°-60°	379.9	77.1
0°-90°	489.1	99.3
90°-120°	3.7	0.7
90°-150°	3.7	0.7
90°-180°	4.0	0.8
0°-180°	492.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	131	130	130	127	127	13
15°	137	137	135	128	122	39
25°	142	144	142	128	115	66
35°	145	150	147	125	101	90
45°	135	144	147	111	52	103
55°	106	120	135	68	17	94
65°	70	82	103	36	0	69
75°	35	42	56	17	0	38
85°	10	10	11	4	0	10
90°	4	4	2	1	0	2
95°	4	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: P394843

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
2.5°	130.5	130.3	131.4	131.4	130.9	130.4	129.8	130.7	130.8	129.7	131.3
5°	131.4	131.1	132.2	132.2	131.7	131.1	130.6	131.5	131.5	130.5	131.8
7.5°	133.3	133.0	134.2	134.2	133.8	133.4	132.6	133.6	133.5	132.4	133.8
10°	135.4	135.2	136.4	136.4	136.0	135.6	134.8	135.8	135.6	134.6	135.7
12.5°	136.6	136.5	137.8	137.7	137.4	137.1	136.3	137.3	137.0	136.0	137.3
15°	137.3	137.3	138.6	138.6	138.2	138.0	137.3	138.3	138.1	137.2	138.2
17.5°	138.5	138.5	139.9	139.8	139.6	139.4	138.7	139.8	139.5	138.7	139.7
20°	140.1	140.2	141.7	141.5	141.5	141.4	140.6	141.7	141.5	140.7	141.5
22.5°	141.5	141.5	143.0	142.8	142.7	142.7	142.0	143.2	143.0	142.4	143.2
25°	142.4	142.4	143.9	143.8	143.6	143.8	143.2	144.7	144.3	143.8	144.5
27.5°	143.4	143.5	145.0	144.9	145.0	145.3	144.7	146.1	145.8	145.4	145.8
30°	144.8	144.9	146.6	146.4	146.6	147.0	146.6	148.0	147.8	147.6	147.9
32.5°	145.3	145.6	147.3	147.2	147.5	148.1	147.6	149.3	149.0	149.0	149.4
35°	144.8	145.0	146.6	146.6	147.2	147.9	147.6	149.3	149.2	149.5	150.0
37.5°	143.2	143.6	145.1	145.2	145.8	146.8	146.7	148.6	148.7	149.3	149.8
40°	141.2	141.5	143.1	143.2	144.0	145.0	145.0	147.0	147.3	148.4	149.3
42°	139.2	139.7	141.0	141.2	142.1	143.1	143.2	145.4	145.7	147.4	148.5
42.5°	138.9	139.2	140.5	140.6	141.5	142.5	142.7	144.9	145.2	147.0	148.2
45°	135.3	135.4	136.8	137.0	138.0	138.7	139.0	140.9	141.5	143.9	145.3
47.5°	129.3	129.5	130.6	131.3	132.7	133.8	134.1	135.9	136.4	138.9	140.8
50°	122.0	122.2	123.4	124.1	125.5	126.9	128.0	130.3	130.6	133.2	135.1
52.5°	114.1	114.5	115.3	116.1	117.7	119.1	120.4	123.1	124.3	127.0	128.5
55°	105.9	106.2	106.9	107.5	109.0	110.5	112.1	114.9	116.3	119.8	121.3
57.5°	97.3	97.2	98.7	98.7	100.1	101.6	103.2	105.9	107.3	111.1	113.5
60°	88.2	88.4	89.3	89.4	91.0	92.5	94.2	96.5	97.7	101.4	104.1
62.5°	78.9	79.1	79.0	79.9	81.5	83.1	84.9	87.1	88.1	91.6	94.2
65°	69.6	69.8	70.0	70.5	72.0	73.5	75.2	77.3	78.8	81.6	84.0
67.5°	60.4	60.6	60.3	61.2	62.6	64.0	65.6	67.5	68.8	71.5	73.6
70°	51.6	51.8	51.9	52.3	53.4	54.7	56.2	57.4	59.0	61.9	63.2
72.5°	43.2	43.4	43.0	43.6	44.7	45.4	47.1	48.1	49.3	51.9	53.0
75°	35.2	35.3	35.4	35.6	36.8	36.9	38.4	39.1	40.1	42.1	43.1
77.5°	27.7	27.7	27.8	28.0	28.5	29.0	30.0	30.5	31.4	32.9	33.2
80°	20.7	20.8	20.8	20.9	21.5	21.5	22.4	22.6	23.2	24.0	24.8
82.5°	14.6	14.7	14.7	14.7	15.0	15.0	15.6	15.6	15.9	16.3	16.4
85°	9.5	9.5	9.6	9.5	9.6	9.6	9.9	9.7	9.8	10.1	9.8
87.5°	5.8	5.9	5.9	5.8	5.9	5.7	5.9	5.6	5.6	5.6	5.2
90°	4.3	4.4	4.3	4.4	4.4	4.3	4.2	4.0	3.9	3.8	3.6
92.5°	3.8	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.6	3.5	3.2
95°	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.4	3.3	3.2	3.0
97.5°	3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.1	3.0	3.0	2.8
100°	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.6	2.5
102.5°	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.3	2.3	2.1
105°	2.2	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.0	1.9	1.8
107.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.7	1.6	1.6	1.5	1.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	1.6	1.6	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1
112.5°	1.3	1.3	1.3	1.2	1.2	1.1	1.0	0.9	0.8	0.8	0.8
115°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.5	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



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CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
2.5°	130.1	131.2	129.7	130.4	130.5	129.7	129.8	129.8	129.9	130.7	129.7
5°	130.7	131.7	130.3	130.8	130.8	129.8	129.9	129.8	129.7	130.5	129.2
7.5°	132.5	133.5	132.1	132.4	132.2	131.3	131.4	131.3	131.1	131.7	130.3
10°	134.5	135.6	134.1	134.4	134.2	133.1	133.2	133.1	132.8	133.2	131.7
12.5°	135.9	137.0	135.6	135.9	135.6	134.5	134.6	134.5	134.0	134.4	132.8
15°	137.1	138.1	136.9	137.0	136.6	135.6	135.6	135.6	135.1	135.3	133.8
17.5°	138.6	139.7	138.5	138.4	138.3	137.2	137.3	137.3	136.5	136.9	135.3
20°	140.7	141.8	140.7	140.5	140.4	139.3	139.2	139.4	138.7	139.0	137.3
22.5°	142.4	143.3	142.5	142.2	141.9	140.9	140.9	141.1	140.4	140.5	139.0
25°	143.7	144.8	143.9	143.4	143.2	142.3	142.4	142.6	141.6	141.7	140.4
27.5°	145.3	146.2	145.6	145.0	144.7	143.8	143.8	144.1	143.2	143.2	141.8
30°	147.4	148.3	147.8	146.9	146.6	145.7	145.8	146.2	145.1	144.9	143.7
32.5°	149.1	150.0	149.5	148.7	148.3	147.4	147.3	147.5	146.3	146.1	144.9
35°	149.9	150.9	150.7	149.7	149.3	148.3	148.1	148.3	146.9	146.6	145.4
37.5°	150.3	151.6	151.5	150.7	150.3	149.2	148.9	149.0	147.2	146.6	145.4
40°	150.5	151.6	151.9	151.2	151.1	150.2	149.7	149.7	147.5	146.6	145.2
42°	150.1	151.6	152.1	151.6	151.8	151.0	150.3	150.1	147.8	146.8	145.1
42.5°	150.0	151.3	152.0	151.6	151.9	151.2	150.4	150.2	147.9	146.7	145.0
45°	147.8	149.6	150.7	150.9	151.3	150.8	150.0	149.8	147.2	145.7	143.9
47.5°	144.0	145.9	147.4	148.4	149.2	149.3	148.6	148.4	145.5	143.6	141.5
50°	138.9	141.1	143.1	144.6	146.1	146.9	146.3	146.1	143.0	140.8	138.3
52.5°	132.7	135.1	137.1	139.7	142.0	143.3	143.2	142.9	139.7	137.2	134.4
55°	125.4	127.9	130.5	133.4	136.4	138.5	138.6	138.5	135.1	132.3	129.5
57.5°	117.3	119.5	122.4	125.7	129.7	132.3	132.7	132.6	129.3	126.3	122.8
60°	108.5	110.4	113.3	116.9	121.2	124.4	125.2	125.4	122.0	118.9	115.7
62.5°	98.8	100.9	103.5	107.0	111.5	115.2	116.2	116.7	113.3	110.2	106.8
65°	88.4	90.5	93.4	96.6	101.0	104.9	106.0	106.5	103.4	100.6	97.6
67.5°	77.6	79.6	82.4	85.5	89.8	93.5	94.8	95.4	92.5	89.9	87.1
70°	66.8	68.4	71.0	73.9	78.0	80.9	82.7	83.3	80.8	78.4	76.0
72.5°	56.1	57.3	59.7	62.2	65.7	68.4	70.1	70.7	68.5	66.5	64.6
75°	45.4	46.6	48.6	50.7	53.6	56.4	57.3	57.9	56.0	54.4	52.9
77.5°	35.3	36.0	37.7	39.4	41.7	43.3	44.5	45.2	43.5	42.3	41.2
80°	25.8	26.2	27.5	28.6	30.3	31.3	32.3	32.6	32.0	30.7	30.0
82.5°	17.3	17.4	18.3	18.9	19.8	20.8	21.0	21.2	20.7	19.9	19.7
85°	10.3	10.1	10.7	10.7	10.9	11.5	11.4	11.4	11.1	10.9	10.8
87.5°	5.3	5.0	5.2	5.0	4.8	4.8	4.6	4.5	4.3	4.3	4.4
90°	3.3	3.1	3.1	2.9	2.5	2.2	2.0	1.7	1.5	1.5	1.6
92.5°	3.0	2.9	2.9	2.6	2.3	2.1	1.8	1.5	1.3	1.3	1.4
95°	2.9	2.7	2.7	2.4	2.1	1.9	1.5	1.3	1.3	1.3	1.3
97.5°	2.6	2.5	2.4	2.1	1.9	1.6	1.4	1.3	1.3	1.2	1.3
100°	2.3	2.1	2.1	1.9	1.6	1.4	1.3	1.2	1.2	1.1	1.2
102.5°	2.0	1.9	1.8	1.6	1.4	1.3	1.3	1.2	1.1	1.1	1.1
105°	1.6	1.5	1.5	1.3	1.3	1.3	1.2	1.1	1.0	1.0	1.0
107.5°	1.3	1.3	1.2	1.2	1.2	1.2	1.0	0.9	0.9	0.9	0.9



TEST NUMBER: P394843

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	1.0	1.0	1.0	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7
112.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6
115°	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5
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: P394843

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
2.5°	130.3	129.2	129.1	128.8	129.4	128.3	128.7	127.7	127.7	127.7	128.0
5°	129.7	128.5	128.3	127.8	128.3	127.1	127.3	126.3	126.0	125.9	126.1
7.5°	130.5	129.2	129.0	128.2	128.6	127.2	127.4	126.3	125.6	125.5	125.7
10°	131.8	130.4	130.0	129.0	129.3	127.8	127.8	126.3	125.6	125.2	125.3
12.5°	132.7	131.3	130.7	129.4	129.6	128.0	127.7	126.0	125.0	124.5	124.4
15°	133.6	131.9	131.4	129.7	129.8	128.0	127.5	125.5	124.2	123.3	123.1
17.5°	135.1	133.3	132.6	130.7	130.5	128.8	127.9	125.5	123.8	122.7	122.3
20°	137.0	135.2	134.4	132.2	131.9	129.7	128.6	125.9	123.8	122.4	121.8
22.5°	138.6	136.7	135.7	133.4	132.8	130.2	128.7	125.6	123.1	121.4	120.4
25°	139.7	137.9	136.7	134.0	133.2	130.5	128.4	125.1	122.1	119.9	118.5
27.5°	141.1	139.2	137.9	135.0	133.9	130.7	128.2	124.3	120.9	118.2	116.4
30°	142.9	140.7	139.5	136.0	134.6	131.0	128.0	123.8	119.7	116.8	114.5
32.5°	144.0	141.7	140.0	136.4	134.5	130.5	127.0	122.1	117.6	114.2	111.8
35°	144.0	141.8	139.8	135.7	133.5	128.9	124.9	119.6	114.7	111.0	108.2
37.5°	144.0	141.1	138.9	134.5	131.6	126.7	122.1	116.5	111.2	107.2	104.2
40°	143.4	140.5	137.7	132.7	129.3	124.1	119.0	113.1	107.3	102.4	98.4
42°	143.1	139.7	136.4	131.1	127.2	121.9	116.4	110.1	103.3	97.6	93.1
42.5°	142.7	139.4	135.8	130.6	126.8	121.2	115.7	109.1	102.1	96.3	91.5
45°	141.0	137.1	133.1	127.4	122.9	117.0	110.8	103.1	95.2	87.7	79.0
47.5°	138.3	133.9	129.2	123.1	118.1	111.7	104.3	95.5	84.1	69.4	59.0
50°	134.7	129.8	124.5	117.9	112.8	105.2	96.9	82.1	64.0	55.7	49.8
52.5°	130.3	124.8	118.9	112.2	105.8	97.6	83.5	64.6	53.9	47.8	42.5
55°	125.0	119.1	112.7	105.4	98.0	85.8	67.6	54.9	46.7	41.6	36.1
57.5°	118.3	112.2	105.3	97.6	87.6	69.8	58.7	48.2	40.3	35.1	27.3
60°	110.6	104.4	97.1	88.9	73.2	60.3	51.5	42.2	32.6	23.3	16.6
62.5°	101.9	95.8	88.3	77.3	63.5	53.0	44.9	33.6	22.7	17.4	12.2
65°	92.6	86.5	78.9	66.3	55.7	46.3	35.9	26.6	18.2	13.8	9.1
67.5°	82.4	76.6	69.1	57.8	48.5	39.5	30.0	22.4	15.1	11.4	8.0
70°	71.8	66.5	59.6	49.8	41.5	33.7	25.4	19.0	13.1	9.9	6.9
72.5°	60.8	56.2	50.5	41.8	34.9	28.3	21.4	16.0	11.0	8.4	5.9
75°	49.6	45.9	41.1	34.1	28.3	23.1	17.4	13.1	9.1	6.9	4.9
77.5°	38.7	35.7	32.1	26.6	22.1	17.8	13.7	10.5	7.2	5.5	3.9
80°	28.3	26.0	23.4	19.5	16.2	13.3	10.2	7.7	5.5	4.2	3.0
82.5°	18.5	17.1	15.4	12.9	10.8	9.0	6.9	5.5	3.8	3.0	2.2
85°	10.3	9.6	8.7	7.3	6.3	5.4	4.2	3.4	2.5	2.0	1.5
87.5°	4.3	4.0	3.8	3.4	3.0	2.7	2.1	1.8	1.4	1.2	0.9
90°	1.7	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.0	0.8	0.6
92.5°	1.5	1.5	1.5	1.5	1.4	1.3	1.2	1.1	0.9	0.7	0.5
95°	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.0	0.8	0.7	0.5
97.5°	1.3	1.3	1.3	1.3	1.3	1.2	1.0	0.8	0.6	0.4	0.4
100°	1.2	1.2	1.2	1.2	1.2	1.0	0.9	0.7	0.6	0.4	0.3
102.5°	1.1	1.1	1.1	1.1	1.0	0.9	0.7	0.6	0.4	0.3	0.3
105°	0.9	0.9	0.9	0.9	0.8	0.8	0.6	0.5	0.4	0.3	0.2
107.5°	0.8	0.8	0.7	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2



TEST NUMBER: P394843

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
110°	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.2	0.2	0.2
112.5°	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2
115°	0.5	0.4	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: P394843

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	129.6	129.6	129.6	129.6	129.6
2.5°	127.4	127.8	127.9	127.9	128.6
5°	125.5	126.0	125.8	125.9	126.6
7.5°	124.8	125.4	125.0	125.2	125.9
10°	124.4	124.7	124.4	124.4	125.1
12.5°	123.4	123.7	122.9	122.9	123.8
15°	122.0	122.1	121.3	121.3	122.1
17.5°	121.0	121.1	120.0	120.0	120.8
20°	120.1	120.1	118.9	118.8	119.5
22.5°	118.6	118.4	117.0	116.7	117.4
25°	116.3	115.9	114.4	114.0	114.8
27.5°	114.0	113.4	111.6	111.2	111.9
30°	111.8	110.9	108.9	108.6	109.2
32.5°	108.8	107.7	105.4	105.1	105.6
35°	105.1	103.6	101.3	100.8	101.3
37.5°	100.3	98.0	95.2	94.4	94.9
40°	94.0	91.2	87.7	86.6	87.0
42°	87.6	83.5	78.5	76.2	76.5
42.5°	85.6	80.6	74.4	71.5	71.7
45°	65.6	57.4	53.6	51.6	51.8
47.5°	51.1	46.8	44.2	42.6	42.8
50°	42.9	38.9	36.6	35.2	35.4
52.5°	36.3	32.5	30.3	28.9	28.3
55°	29.9	25.0	21.6	18.8	17.1
57.5°	16.5	11.7	9.6	8.3	7.7
60°	10.0	6.8	4.9	3.8	3.2
62.5°	6.5	3.8	2.0	0.7	0.2
65°	4.6	2.4	1.2	0.4	0.0
67.5°	4.1	2.1	1.1	0.3	0.0
70°	3.7	2.0	0.9	0.3	0.0
72.5°	3.1	1.7	0.8	0.3	0.0
75°	2.8	1.4	0.7	0.3	0.1
77.5°	2.2	1.3	0.6	0.2	0.1
80°	1.8	1.0	0.5	0.2	0.1
82.5°	1.3	0.8	0.4	0.2	0.1
85°	1.0	0.6	0.4	0.2	0.1
87.5°	0.6	0.4	0.3	0.1	0.1
90°	0.5	0.4	0.2	0.1	0.1
92.5°	0.4	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: P394843

CATALOG NUMBER: 303-A1-LEDB1-2700-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)