

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: P394849

Luminaire Tested: **303-A1-LEDB1-3000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394849  
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-LEDB1-3000-UNV-T2-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

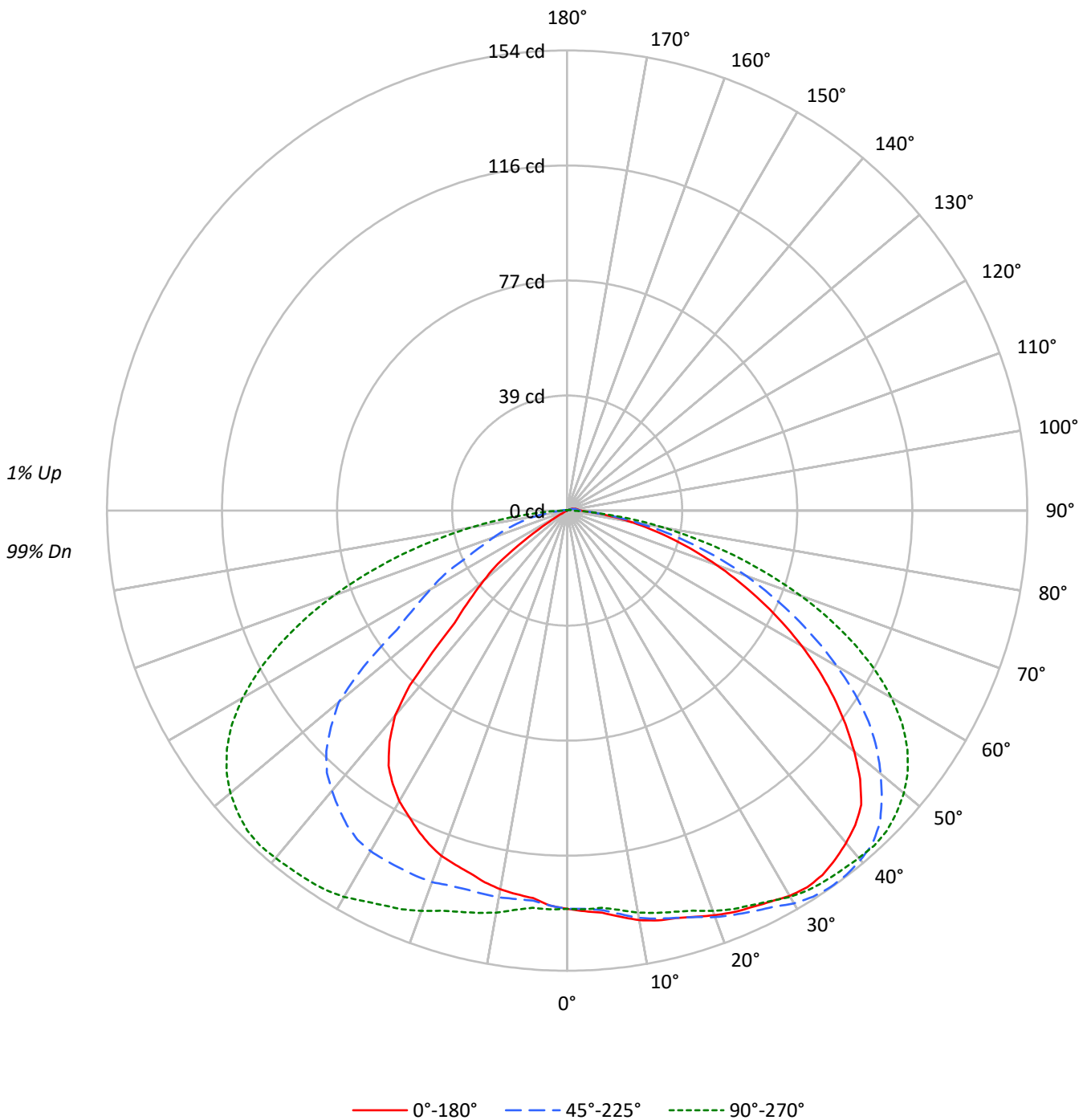
Lumens per Lamp: N/A  
Luminaire Lumens: 506.9 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')  
CIE Type: Direct

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°	18366	18366	18366
5°	18607	18407	17932
10°	19311	19021	17855
15°	19885	19686	17688
20°	20765	20707	17725
25°	21769	21877	17561
30°	23050	23392	17384
35°	24230	24949	16956
40°	25104	26705	15474
45°	25881	28734	9910
50°	25424	30559	7380
55°	24481	32164	3956
60°	23075	33029	840
65°	21164	32780	0
70°	18898	31191	0
75°	16343	27887	45
80°	13284	22675	62
85°	9902	13812	102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.8	2.5
10°-20°	38.7	7.6
20°-30°	64.6	12.7
30°-40°	87.5	17.3
40°-50°	98.0	19.3
50°-60°	89.2	17.6
60°-70°	65.8	13.0
70°-80°	36.7	7.2
80°-90°	9.8	1.9
90°-100°	2.1	0.4
100°-110°	1.3	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°	116.0	22.9
0°-40°	203.6	40.2
0°-60°	390.8	77.1
0°-90°	503.1	99.3
90°-120°	3.8	0.7
90°-150°	3.8	0.7
90°-180°	4.0	0.8
0°-180°	506.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	133	133	133	133	133	
5°	135	134	133	131	130	13
15°	141	141	139	131	126	40
25°	146	148	146	132	118	68
35°	149	154	151	128	104	93
45°	139	148	151	114	53	106
55°	109	123	139	70	18	97
65°	72	84	106	37	0	71
75°	36	43	58	18	0	39
85°	10	10	11	4	0	10
90°	4	4	2	1	0	3
95°	4	3	1	1	0	3
105°	2	2	1	1	0	2
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



TEST NUMBER: P394849

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T2-DIM10-EDGE

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	134.2	134.0	135.1	135.2	134.6	134.1	133.5	134.5	134.6	133.4	135.0
5°	135.1	134.8	135.9	136.0	135.5	134.8	134.4	135.3	135.3	134.2	135.6
7.5°	137.1	136.8	138.0	138.0	137.6	137.2	136.4	137.4	137.3	136.2	137.6
10°	139.2	139.1	140.3	140.3	139.9	139.4	138.7	139.7	139.4	138.4	139.6
12.5°	140.5	140.4	141.7	141.6	141.4	141.0	140.2	141.3	140.9	139.9	141.2
15°	141.2	141.2	142.6	142.6	142.2	141.9	141.2	142.3	142.0	141.1	142.2
17.5°	142.5	142.5	143.9	143.8	143.6	143.4	142.6	143.8	143.5	142.6	143.7
20°	144.1	144.2	145.8	145.6	145.5	145.4	144.6	145.8	145.5	144.8	145.6
22.5°	145.5	145.5	147.1	146.9	146.8	146.8	146.0	147.3	147.1	146.4	147.2
25°	146.4	146.5	148.0	147.9	147.7	147.9	147.2	148.8	148.4	147.9	148.6
27.5°	147.5	147.6	149.2	149.1	149.2	149.5	148.8	150.3	150.0	149.5	150.0
30°	148.9	149.1	150.7	150.6	150.8	151.2	150.7	152.2	152.0	151.8	152.1
32.5°	149.5	149.7	151.5	151.4	151.8	152.3	151.8	153.6	153.2	153.2	153.7
35°	148.9	149.2	150.8	150.8	151.4	152.1	151.8	153.6	153.5	153.8	154.2
37.5°	147.3	147.7	149.3	149.4	150.0	151.0	150.9	152.9	152.9	153.6	154.1
40°	145.2	145.6	147.2	147.3	148.2	149.2	149.2	151.2	151.5	152.7	153.6
42°	143.2	143.7	145.0	145.2	146.1	147.2	147.3	149.5	149.9	151.6	152.8
42.5°	142.8	143.2	144.5	144.6	145.5	146.6	146.8	149.0	149.4	151.2	152.4
45°	139.2	139.2	140.7	140.9	141.9	142.6	142.9	144.9	145.6	148.0	149.5
47.5°	133.0	133.2	134.4	135.0	136.5	137.6	138.0	139.8	140.3	142.8	144.9
50°	125.4	125.7	126.9	127.7	129.1	130.5	131.7	134.0	134.4	137.0	139.0
52.5°	117.4	117.7	118.6	119.4	121.0	122.5	123.9	126.6	127.8	130.6	132.2
55°	108.9	109.3	109.9	110.5	112.1	113.7	115.3	118.2	119.7	123.2	124.8
57.5°	100.1	100.0	101.5	101.5	103.0	104.5	106.1	108.9	110.4	114.2	116.7
60°	90.7	91.0	91.9	92.0	93.6	95.2	96.8	99.2	100.5	104.3	107.1
62.5°	81.1	81.4	81.2	82.2	83.8	85.4	87.3	89.6	90.6	94.2	96.8
65°	71.6	71.8	72.0	72.5	74.0	75.6	77.3	79.5	81.0	84.0	86.4
67.5°	62.2	62.4	62.0	63.0	64.4	65.9	67.5	69.4	70.7	73.6	75.7
70°	53.1	53.3	53.3	53.8	54.9	56.3	57.8	59.0	60.7	63.6	65.0
72.5°	44.4	44.6	44.2	44.9	46.0	46.7	48.5	49.5	50.7	53.3	54.5
75°	36.2	36.3	36.4	36.6	37.8	38.0	39.5	40.2	41.2	43.3	44.3
77.5°	28.5	28.5	28.6	28.8	29.3	29.8	30.9	31.4	32.3	33.8	34.1
80°	21.3	21.4	21.4	21.5	22.1	22.2	23.1	23.3	23.9	24.6	25.5
82.5°	15.0	15.1	15.1	15.1	15.5	15.5	16.0	16.0	16.4	16.7	16.8
85°	9.7	9.7	9.8	9.7	9.8	9.8	10.2	10.0	10.1	10.4	10.1
87.5°	6.0	6.1	6.1	6.0	6.1	5.9	6.1	5.8	5.8	5.8	5.3
90°	4.4	4.5	4.4	4.5	4.5	4.4	4.3	4.1	4.0	3.9	3.7
92.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.7	3.6	3.3
95°	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.5	3.4	3.3	3.0
97.5°	3.3	3.3	3.2	3.2	3.3	3.3	3.3	3.2	3.1	3.0	2.9
100°	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.6
102.5°	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.4	2.4	2.2
105°	2.3	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.0	1.9	1.8
107.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.7	1.7	1.7	1.6	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	1.7	1.7	1.7	1.6	1.6	1.5	1.4	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	0.6	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



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**CANDELA DISTRIBUTION (continued):**

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	133.8	134.9	133.4	134.1	134.2	133.4	133.5	133.5	133.6	134.5	133.4
5°	134.5	135.5	134.0	134.6	134.6	133.5	133.6	133.5	133.4	134.3	132.9
7.5°	136.3	137.3	135.8	136.2	136.0	135.0	135.2	135.0	134.8	135.5	134.0
10°	138.3	139.4	138.0	138.2	138.0	136.9	137.0	136.9	136.6	137.0	135.5
12.5°	139.8	140.9	139.5	139.8	139.5	138.3	138.4	138.3	137.9	138.2	136.6
15°	141.0	142.0	140.8	140.9	140.5	139.4	139.5	139.5	139.0	139.2	137.6
17.5°	142.6	143.7	142.5	142.4	142.3	141.1	141.2	141.2	140.4	140.8	139.2
20°	144.7	145.9	144.7	144.5	144.4	143.3	143.2	143.4	142.6	142.9	141.3
22.5°	146.4	147.4	146.6	146.2	146.0	144.9	144.9	145.1	144.4	144.5	142.9
25°	147.8	148.9	148.0	147.5	147.3	146.3	146.4	146.7	145.7	145.8	144.4
27.5°	149.5	150.4	149.7	149.2	148.8	147.9	147.9	148.3	147.3	147.2	145.9
30°	151.7	152.5	152.0	151.1	150.7	149.8	150.0	150.4	149.3	149.1	147.8
32.5°	153.3	154.2	153.8	152.9	152.5	151.6	151.5	151.8	150.5	150.3	149.1
35°	154.1	155.2	155.0	154.0	153.6	152.6	152.3	152.6	151.1	150.7	149.5
37.5°	154.6	155.9	155.8	155.0	154.6	153.5	153.1	153.2	151.4	150.8	149.5
40°	154.8	156.0	156.3	155.5	155.4	154.5	154.0	154.0	151.8	150.8	149.4
42°	154.4	155.9	156.4	156.0	156.2	155.3	154.6	154.4	152.0	151.0	149.3
42.5°	154.2	155.6	156.4	156.0	156.3	155.5	154.7	154.5	152.1	150.9	149.2
45°	152.0	153.9	155.0	155.2	155.6	155.2	154.3	154.1	151.4	149.8	148.0
47.5°	148.1	150.1	151.7	152.7	153.5	153.6	152.9	152.7	149.6	147.7	145.5
50°	142.8	145.1	147.2	148.7	150.3	151.1	150.5	150.3	147.1	144.9	142.3
52.5°	136.5	139.0	141.0	143.7	146.0	147.4	147.2	147.0	143.7	141.1	138.2
55°	128.9	131.5	134.2	137.2	140.3	142.5	142.6	142.5	139.0	136.1	133.2
57.5°	120.7	123.0	125.9	129.3	133.4	136.1	136.5	136.4	133.0	129.9	126.3
60°	111.6	113.6	116.5	120.2	124.6	127.9	128.8	128.9	125.4	122.3	119.0
62.5°	101.6	103.7	106.5	110.1	114.7	118.5	119.6	120.0	116.5	113.4	109.8
65°	91.0	93.1	96.0	99.3	103.9	107.9	109.1	109.5	106.3	103.5	100.3
67.5°	79.8	81.9	84.7	87.9	92.3	96.2	97.5	98.1	95.2	92.4	89.6
70°	68.7	70.4	73.0	76.1	80.2	83.2	85.1	85.7	83.1	80.7	78.2
72.5°	57.7	59.0	61.4	64.0	67.6	70.4	72.1	72.7	70.4	68.4	66.5
75°	46.7	47.9	49.9	52.1	55.1	58.0	59.0	59.6	57.6	55.9	54.4
77.5°	36.3	37.1	38.8	40.6	42.9	44.5	45.8	46.4	44.8	43.5	42.4
80°	26.6	26.9	28.3	29.4	31.2	32.2	33.2	33.6	32.9	31.5	30.9
82.5°	17.8	17.9	18.9	19.4	20.3	21.4	21.6	21.8	21.2	20.4	20.2
85°	10.6	10.4	11.0	11.0	11.2	11.9	11.8	11.8	11.4	11.2	11.1
87.5°	5.4	5.2	5.3	5.2	5.0	5.0	4.7	4.6	4.4	4.4	4.5
90°	3.4	3.2	3.2	2.9	2.6	2.3	2.0	1.7	1.6	1.6	1.7
92.5°	3.1	2.9	2.9	2.7	2.4	2.1	1.8	1.6	1.4	1.4	1.5
95°	2.9	2.8	2.8	2.5	2.2	1.9	1.6	1.4	1.3	1.3	1.4
97.5°	2.7	2.6	2.5	2.2	1.9	1.7	1.5	1.3	1.3	1.2	1.3
100°	2.4	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.2	1.1	1.2
102.5°	2.0	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.1	1.1	1.1
105°	1.7	1.6	1.6	1.4	1.3	1.3	1.2	1.1	1.0	1.0	1.0
107.5°	1.4	1.3	1.2	1.2	1.2	1.2	1.0	0.9	0.9	0.9	0.9





TEST NUMBER: P394849

CATALOG NUMBER: 303-A1-LEDB1-3000-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	0.6	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: P394849

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T2-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	134.0	132.9	132.8	132.4	133.1	132.0	132.3	131.3	131.3	131.3	131.6
5°	133.4	132.2	132.0	131.4	132.0	130.7	131.0	129.9	129.6	129.5	129.7
7.5°	134.3	132.9	132.7	131.9	132.3	130.9	131.1	129.9	129.2	129.1	129.3
10°	135.6	134.1	133.7	132.7	133.0	131.4	131.4	130.0	129.2	128.8	128.9
12.5°	136.5	135.0	134.5	133.1	133.3	131.6	131.3	129.6	128.6	128.0	127.9
15°	137.4	135.7	135.1	133.4	133.5	131.7	131.2	129.1	127.7	126.8	126.6
17.5°	139.0	137.1	136.4	134.5	134.3	132.4	131.5	129.1	127.4	126.2	125.8
20°	140.9	139.1	138.2	136.0	135.7	133.4	132.3	129.5	127.4	125.9	125.3
22.5°	142.6	140.6	139.6	137.2	136.6	133.9	132.3	129.2	126.6	124.9	123.8
25°	143.7	141.8	140.6	137.9	137.0	134.2	132.1	128.7	125.5	123.3	121.9
27.5°	145.1	143.2	141.8	138.9	137.7	134.5	131.9	127.8	124.3	121.6	119.7
30°	147.0	144.8	143.5	139.9	138.4	134.7	131.6	127.3	123.1	120.1	117.7
32.5°	148.1	145.8	144.0	140.3	138.3	134.3	130.6	125.6	120.9	117.4	115.0
35°	148.2	145.9	143.8	139.6	137.3	132.6	128.5	123.1	118.0	114.1	111.3
37.5°	148.1	145.1	142.8	138.3	135.4	130.3	125.6	119.8	114.4	110.3	107.1
40°	147.5	144.5	141.6	136.5	133.0	127.7	122.4	116.3	110.4	105.3	101.3
42°	147.2	143.7	140.3	134.8	130.9	125.4	119.7	113.2	106.2	100.4	95.7
42.5°	146.8	143.4	139.7	134.4	130.4	124.6	119.0	112.2	105.0	99.1	94.1
45°	145.0	141.0	136.9	131.1	126.5	120.4	114.0	106.0	97.9	90.2	81.3
47.5°	142.3	137.7	132.9	126.6	121.5	114.9	107.2	98.2	86.5	71.4	60.7
50°	138.6	133.5	128.0	121.3	116.0	108.2	99.7	84.4	65.9	57.3	51.2
52.5°	134.0	128.4	122.3	115.4	108.8	100.3	85.9	66.5	55.5	49.2	43.7
55°	128.6	122.5	115.9	108.4	100.8	88.2	69.5	56.5	48.0	42.8	37.2
57.5°	121.7	115.4	108.3	100.4	90.1	71.8	60.4	49.6	41.5	36.1	28.1
60°	113.8	107.4	99.9	91.4	75.3	62.0	53.0	43.4	33.6	24.0	17.1
62.5°	104.8	98.5	90.9	79.5	65.3	54.5	46.2	34.6	23.4	17.9	12.5
65°	95.3	88.9	81.1	68.2	57.3	47.6	36.9	27.4	18.7	14.2	9.4
67.5°	84.8	78.8	71.1	59.4	49.8	40.7	30.8	23.0	15.5	11.8	8.2
70°	73.9	68.4	61.3	51.2	42.7	34.7	26.1	19.6	13.4	10.2	7.1
72.5°	62.5	57.8	52.0	43.0	35.9	29.1	22.0	16.5	11.3	8.6	6.1
75°	51.0	47.2	42.3	35.0	29.2	23.7	17.9	13.5	9.4	7.1	5.1
77.5°	39.8	36.7	33.0	27.3	22.7	18.3	14.1	10.8	7.4	5.6	4.0
80°	29.1	26.8	24.1	20.0	16.6	13.7	10.5	7.9	5.6	4.3	3.1
82.5°	19.0	17.6	15.8	13.2	11.1	9.3	7.1	5.6	4.0	3.0	2.3
85°	10.6	9.8	8.9	7.5	6.4	5.5	4.3	3.5	2.6	2.0	1.6
87.5°	4.4	4.1	3.9	3.5	3.0	2.8	2.2	1.8	1.5	1.2	0.9
90°	1.7	1.8	1.7	1.7	1.6	1.5	1.3	1.2	1.0	0.8	0.6
92.5°	1.6	1.6	1.6	1.6	1.5	1.4	1.2	1.1	0.9	0.7	0.6
95°	1.5	1.5	1.5	1.5	1.4	1.3	1.2	1.0	0.8	0.7	0.6
97.5°	1.3	1.4	1.4	1.4	1.3	1.2	1.0	0.8	0.6	0.5	0.4
100°	1.2	1.2	1.2	1.2	1.2	1.0	0.9	0.7	0.6	0.5	0.3
102.5°	1.1	1.1	1.1	1.1	1.0	0.9	0.7	0.6	0.5	0.3	0.3
105°	0.9	0.9	0.9	0.9	0.8	0.8	0.6	0.6	0.4	0.3	0.2
107.5°	0.8	0.8	0.7	0.8	0.7	0.6	0.6	0.4	0.3	0.2	0.2



TEST NUMBER: P394849

CATALOG NUMBER: 303-A1-LEDB1-3000-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	0.6	0.5	0.4	0.2	0.2	0.2
112.5°	0.6	0.6	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: P394849

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T2-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
0°	133.3	133.3	133.3	133.3	133.3
2.5°	131.1	131.4	131.5	131.5	132.3
5°	129.0	129.6	129.4	129.5	130.2
7.5°	128.4	128.9	128.6	128.8	129.5
10°	127.9	128.3	127.9	127.9	128.7
12.5°	126.9	127.2	126.5	126.5	127.4
15°	125.4	125.6	124.8	124.8	125.6
17.5°	124.4	124.5	123.4	123.4	124.3
20°	123.5	123.5	122.3	122.2	123.0
22.5°	122.0	121.8	120.3	120.0	120.8
25°	119.7	119.2	117.6	117.3	118.1
27.5°	117.3	116.6	114.8	114.4	115.1
30°	115.0	114.0	112.0	111.7	112.3
32.5°	111.9	110.7	108.4	108.1	108.6
35°	108.1	106.6	104.2	103.7	104.2
37.5°	103.2	100.8	97.9	97.1	97.6
40°	96.7	93.8	90.2	89.0	89.5
42°	90.1	85.9	80.8	78.4	78.7
42.5°	88.0	82.9	76.5	73.6	73.8
45°	67.5	59.0	55.1	53.1	53.3
47.5°	52.5	48.1	45.4	43.8	44.1
50°	44.1	40.0	37.6	36.2	36.4
52.5°	37.3	33.5	31.2	29.7	29.2
55°	30.7	25.8	22.3	19.3	17.6
57.5°	17.0	12.0	9.8	8.6	7.9
60°	10.3	7.0	5.1	3.9	3.3
62.5°	6.7	3.9	2.0	0.7	0.2
65°	4.8	2.5	1.2	0.4	0.0
67.5°	4.2	2.2	1.1	0.3	0.0
70°	3.8	2.0	0.9	0.3	0.0
72.5°	3.2	1.7	0.8	0.3	0.0
75°	2.9	1.5	0.7	0.3	0.1
77.5°	2.3	1.3	0.6	0.2	0.1
80°	1.8	1.0	0.6	0.2	0.1
82.5°	1.4	0.8	0.5	0.2	0.1
85°	1.0	0.6	0.4	0.2	0.1
87.5°	0.6	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: P394849

CATALOG NUMBER: 303-A1-LEDB1-3000-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)