

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: P394965

Luminaire Tested: **303-A1-LEDB1-3000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-12)
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-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

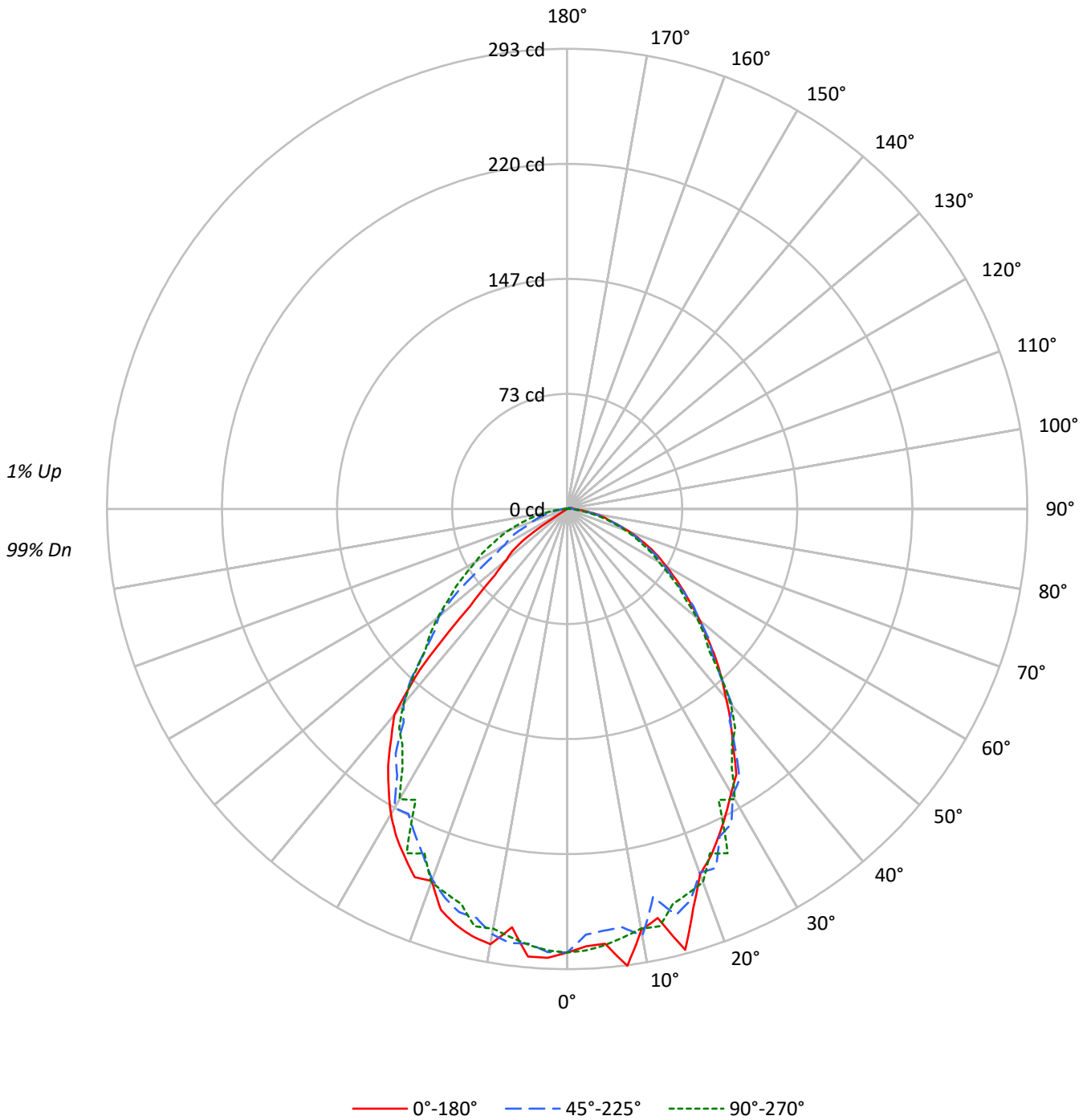
Lumens per Lamp: N/A
Luminaire Lumens: 567.5 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

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	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					99			
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86					86			
2	102	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65					65			
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57					57			
5	80	69	61	55	78	68	60	54	65	59	54	64	58	53	62	57	52	50					50			
6	75	63	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45					45			
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40					40			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37					37			
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33					33			
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38909	38909	38909
5°	38260	38456	39390
10°	37762	37778	39039
15°	40924	36865	38601
20°	35651	36724	36314
25°	34051	36322	36370
30°	32323	33436	34738
35°	29926	30216	32334
40°	27196	28482	29582
45°	24802	24255	16250
50°	22383	22353	10259
55°	20254	20016	7036
60°	18495	17674	0
65°	17114	16159	0
70°	15055	14826	0
75°	12460	12491	0
80°	11475	9511	0
85°	8473	6664	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	4.7
10°-20°	74.4	13.1
20°-30°	107.4	18.9
30°-40°	117.1	20.6
40°-50°	98.2	17.3
50°-60°	68.3	12.0
60°-70°	42.7	7.5
70°-80°	22.6	4.0
80°-90°	6.7	1.2
90°-100°	1.8	0.3
100°-110°	1.2	0.2
110°-120°	0.5	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°	208.4	36.7
0°-40°	325.4	57.3
0°-60°	491.9	86.7
0°-90°	563.9	99.4
90°-120°	3.6	0.6
90°-150°	3.6	0.6
90°-180°	4.0	0.7
0°-180°	567.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	282	282	282	282	282	
5°	278	270	279	278	286	27
15°	291	268	260	266	274	77
25°	229	230	242	229	245	105
35°	184	187	183	190	199	115
45°	133	131	128	128	87	103
55°	90	88	86	71	31	81
65°	58	54	52	36	0	57
75°	28	27	26	16	0	31
85°	8	7	6	4	0	9
90°	5	4	1	1	0	3
95°	4	3	1	1	0	3
105°	3	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



TEST NUMBER: P394965

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	278.7	278.7	267.6	283.3	276.8	271.3	293.4	278.7	282.4	278.7	281.4
5°	277.8	276.8	281.4	282.4	275.9	269.5	273.2	283.3	281.4	283.3	278.7
7.5°	293.4	275.9	278.7	279.6	272.2	268.6	271.3	269.5	278.7	275.0	275.0
10°	272.2	263.0	270.4	275.9	275.0	275.9	286.0	271.3	275.9	270.4	271.3
12.5°	266.7	258.4	271.3	270.4	263.0	252.9	272.2	266.7	262.1	269.5	272.2
15°	290.6	264.0	266.7	269.5	257.5	267.6	266.7	254.8	275.9	259.4	260.3
17.5°	266.7	257.5	259.4	258.4	252.9	261.2	266.7	255.7	260.3	251.1	256.6
20°	247.4	249.2	252.0	250.2	242.8	246.5	252.0	252.9	252.0	241.9	252.9
22.5°	239.1	241.9	239.1	246.5	235.4	247.4	243.7	243.7	243.7	240.0	237.3
25°	229.0	232.7	229.9	231.8	224.4	229.9	233.6	229.9	234.5	227.2	241.9
27.5°	218.9	214.3	218.0	221.6	219.8	226.2	222.6	213.4	226.2	221.6	208.8
30°	208.8	205.1	213.4	216.1	208.8	210.6	213.4	209.7	215.2	206.0	213.4
32.5°	200.5	194.1	201.4	203.3	196.8	204.2	199.6	198.7	203.3	188.5	195.0
35°	183.9	188.5	190.4	185.8	184.9	186.7	191.3	178.4	191.3	181.2	183.0
37.5°	171.1	176.6	175.7	172.9	172.0	170.1	172.0	159.1	174.7	167.4	175.7
40°	157.3	151.8	161.9	148.1	151.8	163.7	162.8	153.6	163.7	160.9	161.9
42.5°	145.3	144.4	151.8	138.9	138.0	144.4	141.6	141.6	149.0	139.8	145.3
45°	133.4	132.4	137.0	126.9	126.0	130.6	133.4	128.8	130.6	126.9	127.8
47.5°	120.5	125.1	124.2	120.5	110.4	122.3	111.3	111.3	117.7	117.7	118.6
50°	110.4	115.0	110.4	110.4	105.8	109.4	104.8	99.3	106.7	108.5	107.6
52.5°	99.3	99.3	102.1	99.3	95.6	101.2	90.1	91.1	96.6	96.6	95.6
55°	90.1	93.8	92.9	90.1	89.2	88.3	83.7	85.5	84.6	87.4	86.5
57.5°	80.9	81.9	84.6	86.5	80.9	78.2	75.4	74.5	77.3	77.3	76.3
60°	72.7	75.4	75.4	74.5	69.0	70.8	65.3	68.1	66.2	67.1	67.1
62.5°	65.3	67.1	70.8	65.3	64.4	63.5	58.9	60.7	58.9	61.6	60.7
65°	57.9	59.8	60.7	58.9	57.0	54.3	53.3	51.5	53.3	53.3	52.4
67.5°	49.7	51.5	50.6	49.7	47.8	48.7	46.9	46.0	44.1	44.1	46.0
70°	42.3	44.1	43.2	43.2	41.4	40.5	38.6	37.7	36.8	38.6	39.5
72.5°	34.0	37.7	35.9	35.9	34.9	34.0	33.1	31.3	31.3	32.2	32.2
75°	27.6	31.3	31.3	29.4	29.4	26.7	26.7	26.7	25.8	25.8	25.8
77.5°	23.9	23.9	23.9	23.0	22.1	22.1	20.2	21.2	19.3	19.3	19.3
80°	18.4	18.4	18.4	17.5	16.6	17.5	15.6	15.6	14.7	14.7	13.8
82.5°	12.9	13.8	12.9	12.9	12.0	12.0	11.0	11.0	10.1	10.1	9.2
85°	8.3	9.2	9.2	9.2	8.3	7.4	7.4	6.4	5.5	5.5	5.5
87.5°	6.4	6.4	5.5	5.5	5.5	4.6	4.6	3.7	2.8	2.8	2.8
90°	4.6	5.5	4.6	4.6	3.7	3.7	2.8	2.8	1.8	0.9	0.9
92.5°	3.7	4.6	4.6	3.7	3.7	3.7	2.8	1.8	1.8	0.9	0.9
95°	3.7	3.7	3.7	3.7	3.7	2.8	2.8	1.8	0.9	0.9	0.9
97.5°	3.7	3.7	3.7	3.7	2.8	2.8	2.8	1.8	0.9	0.9	0.9
100°	2.8	2.8	2.8	2.8	2.8	2.8	1.8	1.8	0.9	0.9	0.9
102.5°	2.8	2.8	2.8	2.8	2.8	1.8	1.8	1.8	0.9	0.9	0.9
105°	2.8	2.8	2.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
107.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9
110°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P394965

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
115°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9
117.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
120°	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.0	0.0
122.5°	0.9	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: P394965

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	276.8	277.8	275.9	294.3	282.4	280.5	284.2	284.2	285.1	286.0
5°	275.0	276.8	285.1	286.0	277.8	292.5	283.3	288.8	284.2	286.0
7.5°	272.2	275.0	270.4	289.7	278.7	286.0	281.4	286.0	281.4	268.6
10°	267.6	265.8	266.7	292.5	275.0	273.2	279.6	277.8	286.9	281.4
12.5°	259.4	268.6	267.6	281.4	266.7	275.9	266.7	264.0	282.4	278.7
15°	251.1	263.0	263.0	271.3	265.8	259.4	263.0	270.4	268.6	274.1
17.5°	251.1	250.2	249.2	264.0	259.4	252.0	264.9	263.0	269.5	267.6
20°	248.3	241.9	241.9	256.6	251.1	250.2	275.9	254.8	262.1	252.0
22.5°	233.6	242.8	248.3	255.7	239.1	237.3	250.2	248.3	252.0	253.8
25°	232.7	209.7	233.6	238.2	229.0	234.5	250.2	240.0	236.4	244.6
27.5°	223.5	224.4	224.4	233.6	218.9	225.3	240.0	225.3	230.8	235.4
30°	213.4	214.3	205.1	227.2	219.8	214.3	219.8	219.8	216.1	224.4
32.5°	201.4	203.3	194.1	205.1	201.4	200.5	207.9	210.6	206.0	211.5
35°	183.0	175.7	189.5	196.8	190.4	181.2	196.8	195.9	198.7	198.7
37.5°	156.4	171.1	170.1	183.9	171.1	172.0	181.2	182.1	183.9	183.9
40°	155.4	150.8	163.7	167.4	161.9	163.7	170.1	165.5	159.1	171.1
42.5°	140.7	141.6	141.6	152.7	147.2	148.1	148.1	138.9	141.6	138.9
45°	133.4	129.7	133.4	137.0	127.8	128.8	128.8	104.8	91.1	87.4
47.5°	115.9	116.8	119.6	120.5	114.0	112.2	96.6	66.2	57.0	62.5
50°	109.4	110.4	107.6	113.1	106.7	94.7	66.2	52.4	48.7	50.6
52.5°	97.5	92.9	97.5	97.5	90.1	63.5	57.0	41.4	39.5	44.1
55°	84.6	89.2	88.3	87.4	70.8	48.7	50.6	35.9	31.3	31.3
57.5°	78.2	78.2	78.2	77.3	55.2	44.1	40.5	15.6	4.6	3.7
60°	69.9	65.3	69.9	65.3	46.0	38.6	22.1	1.8	0.0	0.0
62.5°	61.6	60.7	61.6	53.3	41.4	24.8	14.7	0.9	0.0	0.0
65°	53.3	53.3	54.3	46.0	35.9	16.6	12.0	0.0	0.0	0.0
67.5°	46.0	45.1	46.9	39.5	26.7	15.6	10.1	0.0	0.0	0.0
70°	38.6	39.5	39.5	32.2	23.9	12.9	8.3	0.9	0.0	0.0
72.5°	32.2	33.1	32.2	27.6	19.3	11.0	7.4	0.9	0.0	0.0
75°	25.8	26.7	25.8	22.1	15.6	8.3	5.5	0.9	0.0	0.0
77.5°	20.2	20.2	20.2	17.5	12.0	7.4	4.6	0.9	0.0	0.0
80°	14.7	15.6	14.7	12.9	9.2	5.5	3.7	0.0	0.0	0.0
82.5°	10.1	10.1	10.1	8.3	6.4	3.7	2.8	0.0	0.0	0.0
85°	5.5	6.4	6.4	5.5	3.7	1.8	1.8	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	1.8	1.8	0.9	0.0	0.0	0.0
90°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
92.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
95°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
97.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
100°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
102.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
105°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
107.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
110°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394965
 CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	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
122.5°	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
127.5°	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
132.5°	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
137.5°	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
142.5°	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
147.5°	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
152.5°	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
157.5°	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
162.5°	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
167.5°	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
172.5°	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
177.5°	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

(END OF REPORT)