

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: P394976

Luminaire Tested: **303-A1-LEDB1-4000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

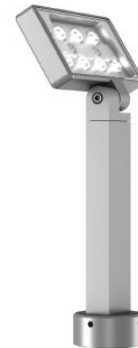
Test Information

Test Method: LM-79-2019
Report Number: P394976
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-LEDB1-4000-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

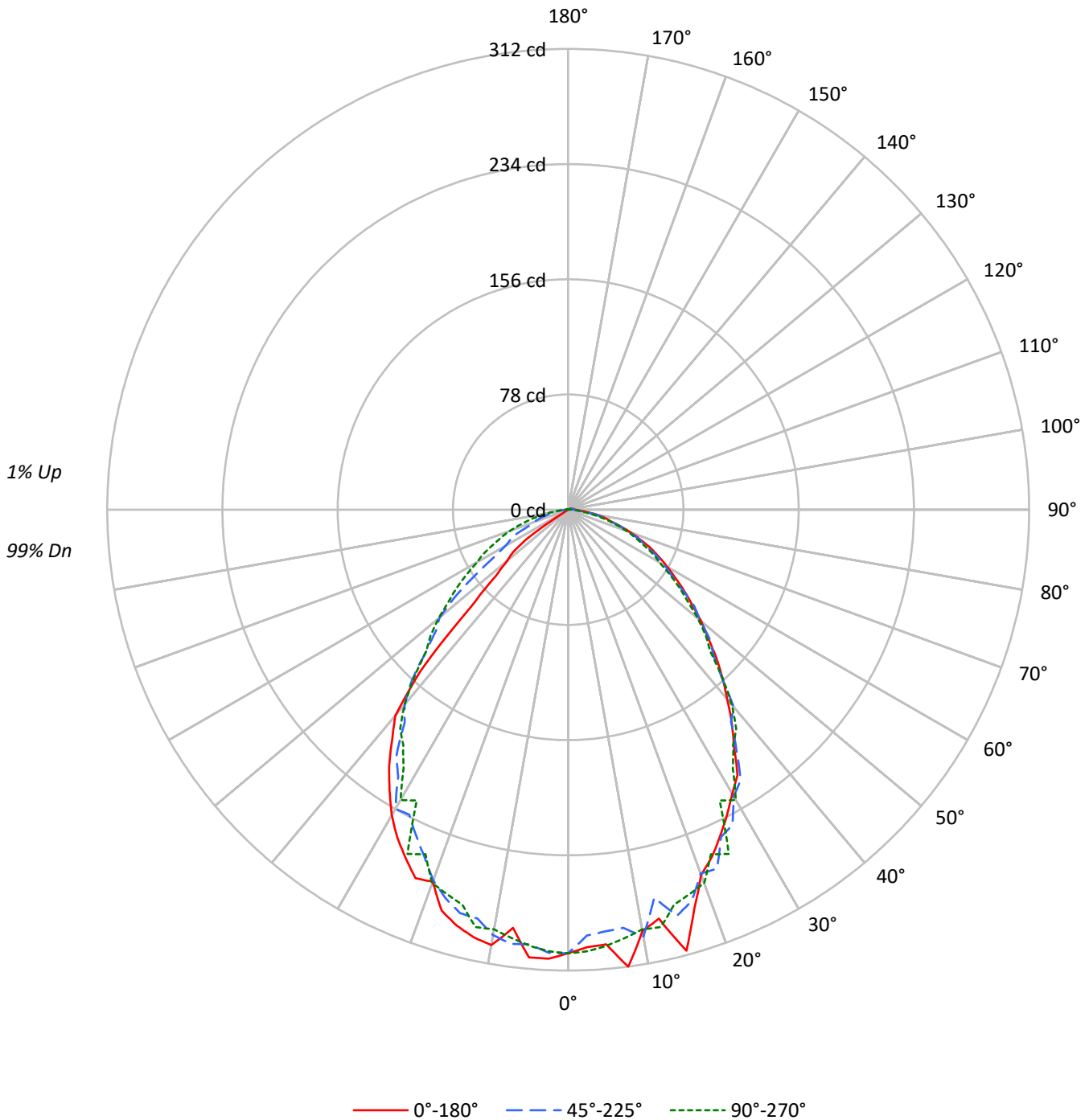
Lumens per Lamp: N/A
Luminaire Lumens: 603.6 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

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	63	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°	41375	41375	41375
5°	40684	40898	41896
10°	40162	40173	41522
15°	43530	39202	41051
20°	37914	39062	38620
25°	36207	38620	38690
30°	34366	35551	36951
35°	31829	32131	34384
40°	28925	30276	31449
45°	26364	25811	17272
50°	23803	23766	10908
55°	21558	21265	7486
60°	19666	18806	0
65°	18208	17207	0
70°	16016	15802	0
75°	13228	13266	0
80°	12224	10131	0
85°	8983	7148	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	4.7
10°-20°	79.1	13.1
20°-30°	114.2	18.9
30°-40°	124.5	20.6
40°-50°	104.4	17.3
50°-60°	72.7	12.0
60°-70°	45.4	7.5
70°-80°	24.0	4.0
80°-90°	7.1	1.2
90°-100°	2.0	0.3
100°-110°	1.3	0.2
110°-120°	0.6	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°	221.6	36.7
0°-40°	346.1	57.3
0°-60°	523.1	86.7
0°-90°	599.6	99.4
90°-120°	3.9	0.6
90°-150°	3.9	0.6
90°-180°	4.0	0.7
0°-180°	603.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	295	287	296	295	304	29
15°	309	285	277	283	292	81
25°	244	244	257	244	260	112
35°	196	199	195	202	211	123
45°	142	139	136	136	93	109
55°	96	94	92	75	33	86
65°	62	58	56	38	0	61
75°	29	28	27	17	0	32
85°	9	8	6	4	0	10
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: P394976

CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3
2.5°	296.4	296.4	284.6	301.3	294.4	288.5	312.0	296.4	300.3	296.4	299.3
5°	295.4	294.4	299.3	300.3	293.4	286.6	290.5	301.3	299.3	301.3	296.4
7.5°	312.0	293.4	296.4	297.3	289.5	285.6	288.5	286.6	296.4	292.5	292.5
10°	289.5	279.7	287.6	293.4	292.5	293.4	304.2	288.5	293.4	287.6	288.5
12.5°	283.6	274.8	288.5	287.6	279.7	269.0	289.5	283.6	278.8	286.6	289.5
15°	309.1	280.7	283.6	286.6	273.9	284.6	283.6	270.9	293.4	275.8	276.8
17.5°	283.6	273.9	275.8	274.8	269.0	277.8	283.6	271.9	276.8	267.0	272.9
20°	263.1	265.1	268.0	266.0	258.2	262.1	268.0	269.0	268.0	257.2	269.0
22.5°	254.3	257.2	254.3	262.1	250.4	263.1	259.2	259.2	259.2	255.3	252.4
25°	243.5	247.5	244.5	246.5	238.7	244.5	248.4	244.5	249.4	241.6	257.2
27.5°	232.8	227.9	231.8	235.7	233.8	240.6	236.7	226.9	240.6	235.7	222.0
30°	222.0	218.1	226.9	229.9	222.0	224.0	226.9	223.0	228.9	219.1	226.9
32.5°	213.2	206.4	214.2	216.2	209.3	217.1	212.2	211.3	216.2	200.5	207.4
35°	195.6	200.5	202.5	197.6	196.6	198.6	203.4	189.8	203.4	192.7	194.6
37.5°	181.9	187.8	186.8	183.9	182.9	180.9	182.9	169.2	185.8	178.0	186.8
40°	167.3	161.4	172.1	157.5	161.4	174.1	173.1	163.3	174.1	171.2	172.1
42.5°	154.5	153.6	161.4	147.7	146.7	153.6	150.6	150.6	158.5	148.7	154.5
45°	141.8	140.8	145.7	135.0	134.0	138.9	141.8	136.9	138.9	135.0	136.0
47.5°	128.1	133.0	132.0	128.1	117.4	130.1	118.4	118.4	125.2	125.2	126.2
50°	117.4	122.3	117.4	117.4	112.5	116.4	111.5	105.6	113.5	115.4	114.4
52.5°	105.6	105.6	108.6	105.6	101.7	107.6	95.9	96.8	102.7	102.7	101.7
55°	95.9	99.8	98.8	95.9	94.9	93.9	89.0	91.0	90.0	92.9	91.9
57.5°	86.1	87.1	90.0	91.9	86.1	83.1	80.2	79.2	82.2	82.2	81.2
60°	77.3	80.2	80.2	79.2	73.4	75.3	69.4	72.4	70.4	71.4	71.4
62.5°	69.4	71.4	75.3	69.4	68.5	67.5	62.6	64.6	62.6	65.5	64.6
65°	61.6	63.6	64.6	62.6	60.6	57.7	56.7	54.8	56.7	56.7	55.8
67.5°	52.8	54.8	53.8	52.8	50.9	51.8	49.9	48.9	46.9	46.9	48.9
70°	45.0	46.9	46.0	46.0	44.0	43.0	41.1	40.1	39.1	41.1	42.1
72.5°	36.2	40.1	38.1	38.1	37.2	36.2	35.2	33.3	33.3	34.2	34.2
75°	29.3	33.3	33.3	31.3	31.3	28.4	28.4	28.4	27.4	27.4	27.4
77.5°	25.4	25.4	25.4	24.5	23.5	23.5	21.5	22.5	20.5	20.5	20.5
80°	19.6	19.6	19.6	18.6	17.6	18.6	16.6	16.6	15.6	15.6	14.7
82.5°	13.7	14.7	13.7	13.7	12.7	12.7	11.7	11.7	10.8	10.8	9.8
85°	8.8	9.8	9.8	9.8	8.8	7.8	7.8	6.8	5.9	5.9	5.9
87.5°	6.8	6.8	5.9	5.9	5.9	4.9	4.9	3.9	2.9	2.9	2.9
90°	4.9	5.9	4.9	4.9	3.9	3.9	2.9	2.9	2.0	1.0	1.0
92.5°	3.9	4.9	4.9	3.9	3.9	3.9	2.9	2.0	2.0	1.0	1.0
95°	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.0	1.0	1.0	1.0
97.5°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.0	1.0	1.0	1.0
100°	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	1.0	1.0	1.0
102.5°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	1.0	1.0	1.0
105°	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
107.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0



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CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
120°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0
122.5°	1.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3
2.5°	294.4	295.4	293.4	313.0	300.3	298.3	302.2	302.2	303.2	304.2
5°	292.5	294.4	303.2	304.2	295.4	311.0	301.3	307.1	302.2	304.2
7.5°	289.5	292.5	287.6	308.1	296.4	304.2	299.3	304.2	299.3	285.6
10°	284.6	282.7	283.6	311.0	292.5	290.5	297.3	295.4	305.2	299.3
12.5°	275.8	285.6	284.6	299.3	283.6	293.4	283.6	280.7	300.3	296.4
15°	267.0	279.7	279.7	288.5	282.7	275.8	279.7	287.6	285.6	291.5
17.5°	267.0	266.0	265.1	280.7	275.8	268.0	281.7	279.7	286.6	284.6
20°	264.1	257.2	257.2	272.9	267.0	266.0	293.4	270.9	278.8	268.0
22.5°	248.4	258.2	264.1	271.9	254.3	252.4	266.0	264.1	268.0	270.0
25°	247.5	223.0	248.4	253.3	243.5	249.4	266.0	255.3	251.4	260.2
27.5°	237.7	238.7	238.7	248.4	232.8	239.6	255.3	239.6	245.5	250.4
30°	226.9	227.9	218.1	241.6	233.8	227.9	233.8	233.8	229.9	238.7
32.5°	214.2	216.2	206.4	218.1	214.2	213.2	221.1	224.0	219.1	225.0
35°	194.6	186.8	201.5	209.3	202.5	192.7	209.3	208.3	211.3	211.3
37.5°	166.3	181.9	180.9	195.6	181.9	182.9	192.7	193.7	195.6	195.6
40°	165.3	160.4	174.1	178.0	172.1	174.1	180.9	176.1	169.2	181.9
42.5°	149.6	150.6	150.6	162.4	156.5	157.5	157.5	147.7	150.6	147.7
45°	141.8	137.9	141.8	145.7	136.0	136.9	136.9	111.5	96.8	92.9
47.5°	123.2	124.2	127.2	128.1	121.3	119.3	102.7	70.4	60.6	66.5
50°	116.4	117.4	114.4	120.3	113.5	100.7	70.4	55.8	51.8	53.8
52.5°	103.7	98.8	103.7	103.7	95.9	67.5	60.6	44.0	42.1	46.9
55°	90.0	94.9	93.9	92.9	75.3	51.8	53.8	38.1	33.3	33.3
57.5°	83.1	83.1	83.1	82.2	58.7	46.9	43.0	16.6	4.9	3.9
60°	74.3	69.4	74.3	69.4	48.9	41.1	23.5	2.0	0.0	0.0
62.5°	65.5	64.6	65.5	56.7	44.0	26.4	15.6	1.0	0.0	0.0
65°	56.7	56.7	57.7	48.9	38.1	17.6	12.7	0.0	0.0	0.0
67.5°	48.9	47.9	49.9	42.1	28.4	16.6	10.8	0.0	0.0	0.0
70°	41.1	42.1	42.1	34.2	25.4	13.7	8.8	1.0	0.0	0.0
72.5°	34.2	35.2	34.2	29.3	20.5	11.7	7.8	1.0	0.0	0.0
75°	27.4	28.4	27.4	23.5	16.6	8.8	5.9	1.0	0.0	0.0
77.5°	21.5	21.5	21.5	18.6	12.7	7.8	4.9	1.0	0.0	0.0
80°	15.6	16.6	15.6	13.7	9.8	5.9	3.9	0.0	0.0	0.0
82.5°	10.8	10.8	10.8	8.8	6.8	3.9	2.9	0.0	0.0	0.0
85°	5.9	6.8	6.8	5.9	3.9	2.0	2.0	0.0	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	2.0	2.0	1.0	0.0	0.0	0.0
90°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
92.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
97.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
100°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
102.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
105°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394976

CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.0	1.0	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)