

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: P394957

Luminaire Tested: **303-W1-LEDB1-2700-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394957
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-W1-LEDB1-2700-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

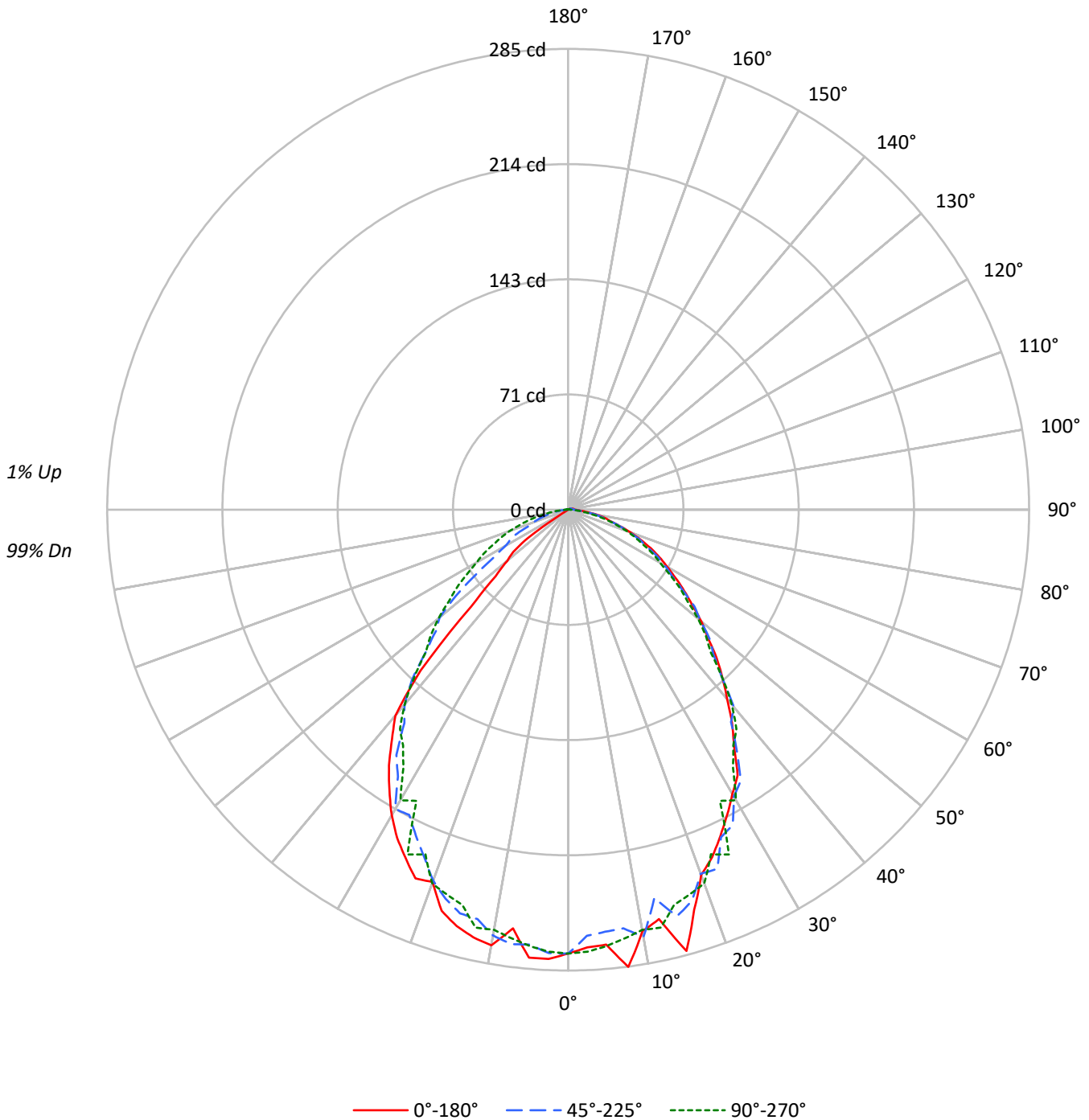
Lumens per Lamp: N/A
Luminaire Lumens: 551.8 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
CIE Type: Direct

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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99				
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86				
2	102	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75				
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65				
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57				
5	80	69	61	55	78	68	60	54	65	59	54	63	58	53	62	57	52	50				
6	75	63	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45				
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40				
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37				
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33				
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	37820	37820	37820
5°	37186	37380	38302
10°	36722	36734	37956
15°	39798	35832	37530
20°	34657	35707	35305
25°	33099	35316	35359
30°	31425	32496	33778
35°	29096	29374	31423
40°	26435	27690	28752
45°	24114	23591	15785
50°	21755	21730	9975
55°	19692	19460	6834
60°	17961	17199	0
65°	16641	15727	0
70°	14628	14413	0
75°	12099	12104	0
80°	11164	9235	0
85°	8166	6542	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	4.7
10°-20°	72.3	13.1
20°-30°	104.4	18.9
30°-40°	113.8	20.6
40°-50°	95.4	17.3
50°-60°	66.4	12.0
60°-70°	41.5	7.5
70°-80°	22.0	4.0
80°-90°	6.5	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°	202.6	36.7
0°-40°	316.4	57.3
0°-60°	478.3	86.7
0°-90°	548.2	99.4
90°-120°	3.5	0.6
90°-150°	3.6	0.6
90°-180°	4.0	0.7
0°-180°	551.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	274	274	274	274	274	
5°	270	262	271	270	278	26
15°	283	260	253	258	266	74
25°	223	224	235	223	238	102
35°	179	182	178	185	193	112
45°	130	127	124	124	85	100
55°	88	86	84	69	30	79
65°	56	53	51	35	0	55
75°	27	26	25	15	0	30
85°	8	7	5	4	0	9
90°	4	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: P394957

CATALOG NUMBER: 303-W1-LEDB1-2700-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	270.9	270.9	260.2	275.4	269.1	263.8	285.2	270.9	274.5	270.9	273.6
5°	270.0	269.1	273.6	274.5	268.2	262.0	265.6	275.4	273.6	275.4	270.9
7.5°	285.2	268.2	270.9	271.8	264.7	261.1	263.8	262.0	270.9	267.4	267.4
10°	264.7	255.7	262.9	268.2	267.4	268.2	278.1	263.8	268.2	262.9	263.8
12.5°	259.3	251.3	263.8	262.9	255.7	245.9	264.7	259.3	254.8	262.0	264.7
15°	282.6	256.6	259.3	262.0	250.4	260.2	259.3	247.7	268.2	252.2	253.0
17.5°	259.3	250.4	252.2	251.3	245.9	253.9	259.3	248.6	253.0	244.1	249.5
20°	240.5	242.3	245.0	243.2	236.1	239.6	245.0	245.9	245.0	235.2	245.9
22.5°	232.5	235.2	232.5	239.6	228.9	240.5	237.0	237.0	237.0	233.4	230.7
25°	222.6	226.2	223.5	225.3	218.2	223.5	227.1	223.5	228.0	220.9	235.2
27.5°	212.8	208.3	211.9	215.5	213.7	220.0	216.4	207.4	220.0	215.5	203.0
30°	203.0	199.4	207.4	210.1	203.0	204.8	207.4	203.9	209.2	200.3	207.4
32.5°	194.9	188.7	195.8	197.6	191.4	198.5	194.0	193.1	197.6	183.3	189.6
35°	178.8	183.3	185.1	180.6	179.7	181.5	186.0	173.5	186.0	176.1	177.9
37.5°	166.3	171.7	170.8	168.1	167.2	165.4	167.2	154.7	169.9	162.7	170.8
40°	152.9	147.5	157.4	144.0	147.5	159.2	158.3	149.3	159.2	156.5	157.4
42.5°	141.3	140.4	147.5	135.0	134.1	140.4	137.7	137.7	144.9	135.9	141.3
45°	129.7	128.8	133.2	123.4	122.5	127.0	129.7	125.2	127.0	123.4	124.3
47.5°	117.1	121.6	120.7	117.1	107.3	118.9	108.2	108.2	114.5	114.5	115.3
50°	107.3	111.8	107.3	107.3	102.8	106.4	101.9	96.6	103.7	105.5	104.6
52.5°	96.6	96.6	99.3	96.6	93.0	98.4	87.6	88.5	93.9	93.9	93.0
55°	87.6	91.2	90.3	87.6	86.7	85.8	81.4	83.2	82.3	84.9	84.1
57.5°	78.7	79.6	82.3	84.1	78.7	76.0	73.3	72.4	75.1	75.1	74.2
60°	70.6	73.3	73.3	72.4	67.1	68.9	63.5	66.2	64.4	65.3	65.3
62.5°	63.5	65.3	68.9	63.5	62.6	61.7	57.2	59.0	57.2	59.9	59.0
65°	56.3	58.1	59.0	57.2	55.4	52.8	51.9	50.1	51.9	51.9	51.0
67.5°	48.3	50.1	49.2	48.3	46.5	47.4	45.6	44.7	42.9	42.9	44.7
70°	41.1	42.9	42.0	42.0	40.2	39.3	37.6	36.7	35.8	37.6	38.4
72.5°	33.1	36.7	34.9	34.9	34.0	33.1	32.2	30.4	30.4	31.3	31.3
75°	26.8	30.4	30.4	28.6	28.6	25.9	25.9	25.9	25.0	25.0	25.0
77.5°	23.2	23.2	23.2	22.4	21.5	21.5	19.7	20.6	18.8	18.8	18.8
80°	17.9	17.9	17.9	17.0	16.1	17.0	15.2	15.2	14.3	14.3	13.4
82.5°	12.5	13.4	12.5	12.5	11.6	11.6	10.7	10.7	9.8	9.8	8.9
85°	8.0	8.9	8.9	8.9	8.0	7.2	7.2	6.3	5.4	5.4	5.4
87.5°	6.3	6.3	5.4	5.4	5.4	4.5	4.5	3.6	2.7	2.7	2.7
90°	4.5	5.4	4.5	4.5	3.6	3.6	2.7	2.7	1.8	0.9	0.9
92.5°	3.6	4.5	4.5	3.6	3.6	3.6	2.7	1.8	1.8	0.9	0.9
95°	3.6	3.6	3.6	3.6	3.6	2.7	2.7	1.8	0.9	0.9	0.9
97.5°	3.6	3.6	3.6	3.6	2.7	2.7	2.7	1.8	0.9	0.9	0.9
100°	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	0.9	0.9	0.9
102.5°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	0.9	0.9	0.9
105°	2.7	2.7	2.7	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



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CATALOG NUMBER: 303-W1-LEDB1-2700-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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	269.1	270.0	268.2	286.1	274.5	272.7	276.3	276.3	277.2	278.1
5°	267.4	269.1	277.2	278.1	270.0	284.3	275.4	280.8	276.3	278.1
7.5°	264.7	267.4	262.9	281.7	270.9	278.1	273.6	278.1	273.6	261.1
10°	260.2	258.4	259.3	284.3	267.4	265.6	271.8	270.0	279.0	273.6
12.5°	252.2	261.1	260.2	273.6	259.3	268.2	259.3	256.6	274.5	270.9
15°	244.1	255.7	255.7	263.8	258.4	252.2	255.7	262.9	261.1	266.5
17.5°	244.1	243.2	242.3	256.6	252.2	245.0	257.5	255.7	262.0	260.2
20°	241.4	235.2	235.2	249.5	244.1	243.2	268.2	247.7	254.8	245.0
22.5°	227.1	236.1	241.4	248.6	232.5	230.7	243.2	241.4	245.0	246.8
25°	226.2	203.9	227.1	231.6	222.6	228.0	243.2	233.4	229.8	237.8
27.5°	217.3	218.2	218.2	227.1	212.8	219.1	233.4	219.1	224.4	228.9
30°	207.4	208.3	199.4	220.9	213.7	208.3	213.7	213.7	210.1	218.2
32.5°	195.8	197.6	188.7	199.4	195.8	194.9	202.1	204.8	200.3	205.7
35°	177.9	170.8	184.2	191.4	185.1	176.1	191.4	190.5	193.1	193.1
37.5°	152.0	166.3	165.4	178.8	166.3	167.2	176.1	177.0	178.8	178.8
40°	151.1	146.6	159.2	162.7	157.4	159.2	165.4	160.9	154.7	166.3
42.5°	136.8	137.7	137.7	148.4	143.1	144.0	144.0	135.0	137.7	135.0
45°	129.7	126.1	129.7	133.2	124.3	125.2	125.2	101.9	88.5	84.9
47.5°	112.7	113.6	116.2	117.1	110.9	109.1	93.9	64.4	55.4	60.8
50°	106.4	107.3	104.6	110.0	103.7	92.1	64.4	51.0	47.4	49.2
52.5°	94.8	90.3	94.8	94.8	87.6	61.7	55.4	40.2	38.4	42.9
55°	82.3	86.7	85.8	84.9	68.9	47.4	49.2	34.9	30.4	30.4
57.5°	76.0	76.0	76.0	75.1	53.6	42.9	39.3	15.2	4.5	3.6
60°	68.0	63.5	68.0	63.5	44.7	37.6	21.5	1.8	0.0	0.0
62.5°	59.9	59.0	59.9	51.9	40.2	24.1	14.3	0.9	0.0	0.0
65°	51.9	51.9	52.8	44.7	34.9	16.1	11.6	0.0	0.0	0.0
67.5°	44.7	43.8	45.6	38.4	25.9	15.2	9.8	0.0	0.0	0.0
70°	37.6	38.4	38.4	31.3	23.2	12.5	8.0	0.9	0.0	0.0
72.5°	31.3	32.2	31.3	26.8	18.8	10.7	7.2	0.9	0.0	0.0
75°	25.0	25.9	25.0	21.5	15.2	8.0	5.4	0.9	0.0	0.0
77.5°	19.7	19.7	19.7	17.0	11.6	7.2	4.5	0.9	0.0	0.0
80°	14.3	15.2	14.3	12.5	8.9	5.4	3.6	0.0	0.0	0.0
82.5°	9.8	9.8	9.8	8.0	6.3	3.6	2.7	0.0	0.0	0.0
85°	5.4	6.3	6.3	5.4	3.6	1.8	1.8	0.0	0.0	0.0
87.5°	2.7	2.7	2.7	2.7	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: P394957

CATALOG NUMBER: 303-W1-LEDB1-2700-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)