

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P395011

Luminaire Tested: **303-W2-LEDB2-2700-UNV-T5X-DIM10-CS-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P395011
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-W2-LEDB2-2700-UNV-T5X-DIM10-CS-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 5 WITH EDGE GLOW
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1103.5 lumens
Efficiency: N/A
Efficacy: 71.2 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: 1.52')
CIE Type: General Diffuse

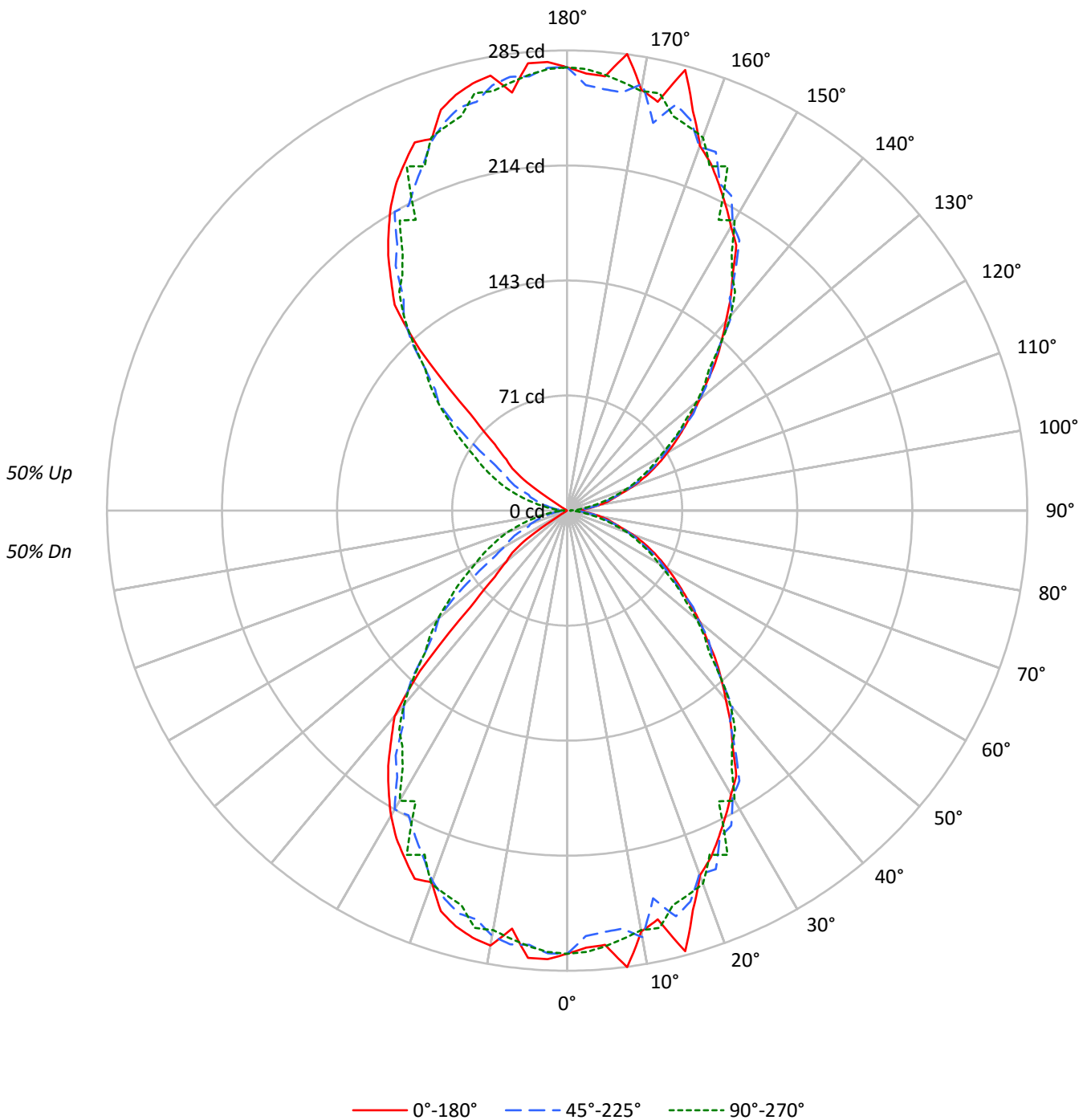
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	51	49	49	43
2	90	83	77	72	83	77	72	68	66	62	59	55	52	50	45	44	42	37
3	83	74	67	61	76	68	62	57	58	54	50	49	46	43	41	38	37	32
4	76	66	58	52	70	61	54	49	52	47	43	44	41	38	37	34	32	29
5	70	59	51	45	65	55	48	43	47	42	38	40	36	33	34	31	28	25
6	65	53	45	40	60	50	43	38	43	37	33	37	33	29	31	28	25	23
7	60	48	40	35	55	45	38	33	39	34	30	34	29	26	28	25	23	20
8	56	44	36	31	52	41	34	30	36	30	27	31	27	24	26	23	21	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19	17
10	49	37	30	25	45	35	28	24	30	25	22	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	37820	37820	37820
5°	22793	27658	23477
10°	16196	21524	16741
15°	13641	17299	12864
20°	9646	14566	9827
25°	7687	12372	8212
30°	6196	9878	6660
35°	4923	7796	5317
40°	3861	6432	4200
45°	3046	4793	1994
50°	2372	3845	1088
55°	1843	2976	639
60°	1445	2243	0
65°	1120	1746	0
70°	821	1304	0
75°	556	855	0
80°	386	473	0
85°	217	210	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	2.3
10°-20°	72.3	6.6
20°-30°	104.4	9.5
30°-40°	113.8	10.3
40°-50°	95.4	8.6
50°-60°	66.5	6.0
60°-70°	42.0	3.8
70°-80°	23.2	2.1
80°-90°	8.3	0.8
90°-100°	8.3	0.8
100°-110°	23.2	2.1
110°-120°	42.0	3.8
120°-130°	66.5	6.0
130°-140°	95.4	8.6
140°-150°	113.8	10.3
150°-160°	104.4	9.5
160°-170°	72.3	6.6
170°-180°	25.8	2.3
0°-30°	202.6	18.4
0°-40°	316.4	28.7
0°-60°	478.3	43.3
0°-90°	551.7	50.0
90°-120°	73.5	6.7
90°-150°	349.2	31.6
90°-180°	552.0	50.0
0°-180°	1103.5	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°	57	54	52	35	0	57
75°	30	28	26	16	0	32
85°	12	10	6	4	0	12
90°	9	7	2	2	0	5
95°	12	10	6	4	0	12
105°	30	28	26	16	0	32
115°	57	54	52	35	0	57
125°	88	86	84	69	30	79
135°	130	127	124	124	85	100
145°	179	182	178	185	193	112
155°	223	224	235	223	238	102
165°	283	260	253	258	266	74
175°	270	262	271	270	278	26
180°	274	274	274	274	274	



TEST NUMBER: P395011

CATALOG NUMBER: 303-W2-LEDB2-2700-UNV-T5X-DIM10-CS-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°	79.6	79.6	82.3	84.1	78.7	76.0	73.3	72.4	75.1	75.1	74.2
60°	71.5	74.2	74.2	73.3	67.1	68.9	64.4	67.1	65.3	65.3	65.3
62.5°	64.4	66.2	69.7	64.4	63.5	62.6	58.1	59.9	58.1	59.9	59.0
65°	57.2	59.0	59.9	58.1	56.3	53.6	52.8	51.0	52.8	51.9	51.9
67.5°	50.1	51.9	50.1	49.2	47.4	48.3	46.5	45.6	43.8	43.8	45.6
70°	42.9	44.7	43.8	43.8	42.0	41.1	38.4	37.6	36.7	38.4	39.3
72.5°	34.9	38.4	36.7	36.7	35.8	34.9	34.0	31.3	31.3	32.2	32.2
75°	29.5	33.1	33.1	30.4	30.4	27.7	27.7	27.7	25.9	25.9	25.9
77.5°	25.9	25.9	25.9	25.0	24.1	23.2	21.5	22.4	19.7	19.7	19.7
80°	20.6	20.6	20.6	19.7	18.8	19.7	17.0	17.0	15.2	15.2	14.3
82.5°	16.1	17.0	16.1	16.1	14.3	14.3	13.4	12.5	10.7	10.7	9.8
85°	11.6	12.5	12.5	12.5	11.6	9.8	9.8	8.0	6.3	6.3	6.3
87.5°	9.8	10.7	9.8	8.9	8.9	8.0	7.2	5.4	4.5	3.6	3.6
90°	8.9	10.7	8.9	8.9	7.2	7.2	5.4	5.4	3.6	1.8	1.8
92.5°	9.8	10.7	9.8	8.9	8.9	8.0	7.2	5.4	4.5	3.6	3.6
95°	11.6	12.5	12.5	12.5	11.6	9.8	9.8	8.0	6.3	6.3	6.3
97.5°	16.1	17.0	16.1	16.1	14.3	14.3	13.4	12.5	10.7	10.7	9.8
100°	20.6	20.6	20.6	19.7	18.8	19.7	17.0	17.0	15.2	15.2	14.3
102.5°	25.9	25.9	25.9	25.0	24.1	23.2	21.5	22.4	19.7	19.7	19.7
105°	29.5	33.1	33.1	30.4	30.4	27.7	27.7	27.7	25.9	25.9	25.9
107.5°	34.9	38.4	36.7	36.7	35.8	34.9	34.0	31.3	31.3	32.2	32.2
110°	42.9	44.7	43.8	43.8	42.0	41.1	38.4	37.6	36.7	38.4	39.3



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CATALOG NUMBER: 303-W2-LEDB2-2700-UNV-T5X-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	50.1	51.9	50.1	49.2	47.4	48.3	46.5	45.6	43.8	43.8	45.6
115°	57.2	59.0	59.9	58.1	56.3	53.6	52.8	51.0	52.8	51.9	51.9
117.5°	64.4	66.2	69.7	64.4	63.5	62.6	58.1	59.9	58.1	59.9	59.0
120°	71.5	74.2	74.2	73.3	67.1	68.9	64.4	67.1	65.3	65.3	65.3
122.5°	79.6	79.6	82.3	84.1	78.7	76.0	73.3	72.4	75.1	75.1	74.2
125°	87.6	91.2	90.3	87.6	86.7	85.8	81.4	83.2	82.3	84.9	84.1
127.5°	96.6	96.6	99.3	96.6	93.0	98.4	87.6	88.5	93.9	93.9	93.0
130°	107.3	111.8	107.3	107.3	102.8	106.4	101.9	96.6	103.7	105.5	104.6
132.5°	117.1	121.6	120.7	117.1	107.3	118.9	108.2	108.2	114.5	114.5	115.3
135°	129.7	128.8	133.2	123.4	122.5	127.0	129.7	125.2	127.0	123.4	124.3
137.5°	141.3	140.4	147.5	135.0	134.1	140.4	137.7	137.7	144.9	135.9	141.3
140°	152.9	147.5	157.4	144.0	147.5	159.2	158.3	149.3	159.2	156.5	157.4
142.5°	166.3	171.7	170.8	168.1	167.2	165.4	167.2	154.7	169.9	162.7	170.8
145°	178.8	183.3	185.1	180.6	179.7	181.5	186.0	173.5	186.0	176.1	177.9
147.5°	194.9	188.7	195.8	197.6	191.4	198.5	194.0	193.1	197.6	183.3	189.6
150°	203.0	199.4	207.4	210.1	203.0	204.8	207.4	203.9	209.2	200.3	207.4
152.5°	212.8	208.3	211.9	215.5	213.7	220.0	216.4	207.4	220.0	215.5	203.0
155°	222.6	226.2	223.5	225.3	218.2	223.5	227.1	223.5	228.0	220.9	235.2
157.5°	232.5	235.2	232.5	239.6	228.9	240.5	237.0	237.0	237.0	233.4	230.7
160°	240.5	242.3	245.0	243.2	236.1	239.6	245.0	245.9	245.0	235.2	245.9
162.5°	259.3	250.4	252.2	251.3	245.9	253.9	259.3	248.6	253.0	244.1	249.5
165°	282.6	256.6	259.3	262.0	250.4	260.2	259.3	247.7	268.2	252.2	253.0
167.5°	259.3	251.3	263.8	262.9	255.7	245.9	264.7	259.3	254.8	262.0	264.7
170°	264.7	255.7	262.9	268.2	267.4	268.2	278.1	263.8	268.2	262.9	263.8
172.5°	285.2	268.2	270.9	271.8	264.7	261.1	263.8	262.0	270.9	267.4	267.4
175°	270.0	269.1	273.6	274.5	268.2	262.0	265.6	275.4	273.6	275.4	270.9
177.5°	270.9	270.9	260.2	275.4	269.1	263.8	285.2	270.9	274.5	270.9	273.6
180°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5



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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°	45.6	44.7	45.6	38.4	25.9	15.2	9.8	0.0	0.0	0.0
70°	38.4	39.3	39.3	32.2	24.1	12.5	8.0	0.9	0.0	0.0
72.5°	32.2	33.1	32.2	27.7	19.7	10.7	7.2	0.9	0.0	0.0
75°	25.9	26.8	25.9	22.4	16.1	8.0	5.4	0.9	0.0	0.0
77.5°	20.6	20.6	20.6	17.9	12.5	8.0	4.5	0.9	0.0	0.0
80°	15.2	16.1	15.2	13.4	9.8	6.3	3.6	0.0	0.0	0.0
82.5°	10.7	10.7	10.7	8.9	7.2	4.5	2.7	0.0	0.0	0.0
85°	6.3	7.2	7.2	6.3	4.5	2.7	1.8	0.0	0.0	0.0
87.5°	3.6	3.6	3.6	3.6	2.7	2.7	0.9	0.0	0.0	0.0
90°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
92.5°	3.6	3.6	3.6	3.6	2.7	2.7	0.9	0.0	0.0	0.0
95°	6.3	7.2	7.2	6.3	4.5	2.7	1.8	0.0	0.0	0.0
97.5°	10.7	10.7	10.7	8.9	7.2	4.5	2.7	0.0	0.0	0.0
100°	15.2	16.1	15.2	13.4	9.8	6.3	3.6	0.0	0.0	0.0
102.5°	20.6	20.6	20.6	17.9	12.5	8.0	4.5	0.9	0.0	0.0
105°	25.9	26.8	25.9	22.4	16.1	8.0	5.4	0.9	0.0	0.0
107.5°	32.2	33.1	32.2	27.7	19.7	10.7	7.2	0.9	0.0	0.0
110°	38.4	39.3	39.3	32.2	24.1	12.5	8.0	0.9	0.0	0.0



TEST NUMBER: P395011

CATALOG NUMBER: 303-W2-LEDB2-2700-UNV-T5X-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	45.6	44.7	45.6	38.4	25.9	15.2	9.8	0.0	0.0	0.0
115°	51.9	51.9	52.8	44.7	34.9	16.1	11.6	0.0	0.0	0.0
117.5°	59.9	59.0	59.9	51.9	40.2	24.1	14.3	0.9	0.0	0.0
120°	68.0	63.5	68.0	63.5	44.7	37.6	21.5	1.8	0.0	0.0
122.5°	76.0	76.0	76.0	75.1	53.6	42.9	39.3	15.2	4.5	3.6
125°	82.3	86.7	85.8	84.9	68.9	47.4	49.2	34.9	30.4	30.4
127.5°	94.8	90.3	94.8	94.8	87.6	61.7	55.4	40.2	38.4	42.9
130°	106.4	107.3	104.6	110.0	103.7	92.1	64.4	51.0	47.4	49.2
132.5°	112.7	113.6	116.2	117.1	110.9	109.1	93.9	64.4	55.4	60.8
135°	129.7	126.1	129.7	133.2	124.3	125.2	125.2	101.9	88.5	84.9
137.5°	136.8	137.7	137.7	148.4	143.1	144.0	144.0	135.0	137.7	135.0
140°	151.1	146.6	159.2	162.7	157.4	159.2	165.4	160.9	154.7	166.3
142.5°	152.0	166.3	165.4	178.8	166.3	167.2	176.1	177.0	178.8	178.8
145°	177.9	170.8	184.2	191.4	185.1	176.1	191.4	190.5	193.1	193.1
147.5°	195.8	197.6	188.7	199.4	195.8	194.9	202.1	204.8	200.3	205.7
150°	207.4	208.3	199.4	220.9	213.7	208.3	213.7	213.7	210.1	218.2
152.5°	217.3	218.2	218.2	227.1	212.8	219.1	233.4	219.1	224.4	228.9
155°	226.2	203.9	227.1	231.6	222.6	228.0	243.2	233.4	229.8	237.8
157.5°	227.1	236.1	241.4	248.6	232.5	230.7	243.2	241.4	245.0	246.8
160°	241.4	235.2	235.2	249.5	244.1	243.2	268.2	247.7	254.8	245.0
162.5°	244.1	243.2	242.3	256.6	252.2	245.0	257.5	255.7	262.0	260.2
165°	244.1	255.7	255.7	263.8	258.4	252.2	255.7	262.9	261.1	266.5
167.5°	252.2	261.1	260.2	273.6	259.3	268.2	259.3	256.6	274.5	270.9
170°	260.2	258.4	259.3	284.3	267.4	265.6	271.8	270.0	279.0	273.6
172.5°	264.7	267.4	262.9	281.7	270.9	278.1	273.6	278.1	273.6	261.1
175°	267.4	269.1	277.2	278.1	270.0	284.3	275.4	280.8	276.3	278.1
177.5°	269.1	270.0	268.2	286.1	274.5	272.7	276.3	276.3	277.2	278.1
180°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5

(END OF REPORT)