

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: P395006

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

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-9)  
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  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 5  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1159.9 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
CIE Type: General Diffuse

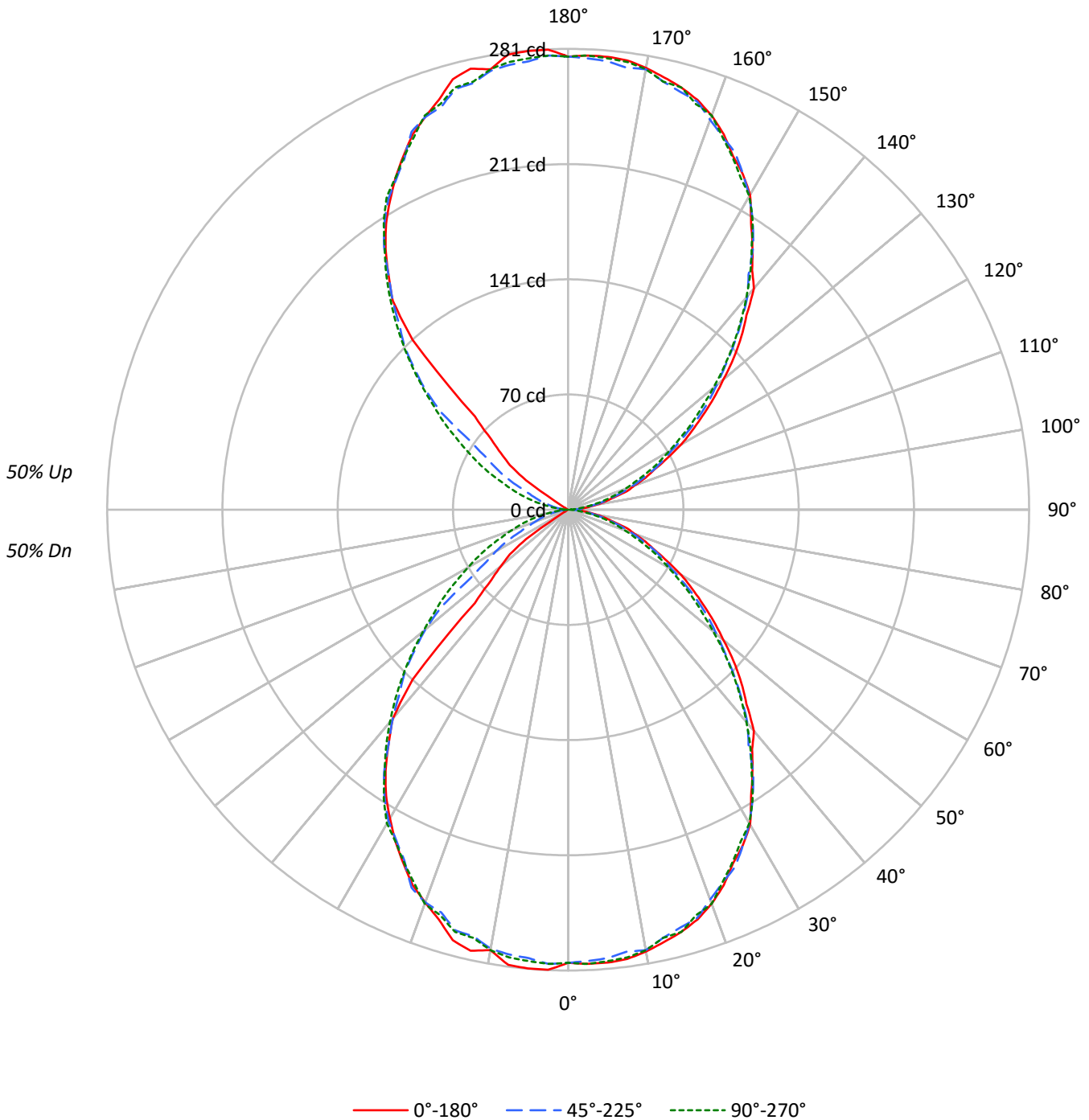
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	99	94	91	88	91	87	84	81	74	72	70	62	60	59	51	50	49	44
2	90	83	78	73	83	77	72	68	66	62	59	55	53	50	46	44	42	38
3	83	74	67	61	76	69	63	58	59	54	50	49	46	43	41	39	37	33
4	76	66	58	53	70	61	55	50	53	48	44	45	41	38	37	34	32	29
5	70	59	51	45	65	55	48	43	47	42	38	40	36	33	34	31	29	25
6	65	53	45	40	60	50	43	38	43	38	34	37	33	29	31	28	25	23
7	60	48	41	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°	38068	38068	38068
5°	38338	38214	38836
10°	38278	38152	38152
15°	38013	38013	38769
20°	37491	37491	37359
25°	36151	36029	36151
30°	35287	35144	34571
35°	32933	32781	32630
40°	31673	30396	29910
45°	29091	27707	15685
50°	26450	24714	11489
55°	24045	22123	7519
60°	21934	19454	496
65°	18941	17213	0
70°	17282	14784	0
75°	15225	12829	0
80°	14202	9918	0
85°	14069	7114	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.2	2.3
10°-20°	74.8	6.4
20°-30°	109.6	9.4
30°-40°	121.6	10.5
40°-50°	105.2	9.1
50°-60°	72.8	6.3
60°-70°	42.7	3.7
70°-80°	21.2	1.8
80°-90°	5.9	0.5
90°-100°	5.9	0.5
100°-110°	21.2	1.8
110°-120°	42.7	3.7
120°-130°	72.8	6.3
130°-140°	105.2	9.1
140°-150°	121.6	10.5
150°-160°	109.6	9.4
160°-170°	74.8	6.4
170°-180°	26.2	2.3
0°-30°	210.6	18.2
0°-40°	332.2	28.6
0°-60°	510.2	44.0
0°-90°	579.9	50.0
90°-120°	69.8	6.0
90°-150°	369.4	31.8
90°-180°	580.0	50.0
0°-180°	1159.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	276	276	276	276	276	
5°	277	274	276	274	281	26
15°	266	264	266	266	272	75
25°	238	240	237	236	238	110
35°	196	197	195	196	194	123
45°	149	143	142	141	80	115
55°	100	96	92	72	31	90
65°	58	57	53	33	0	59
75°	29	27	24	13	0	32
85°	9	8	4	3	0	9
90°	5	4	0	0	0	3
95°	9	8	4	3	0	9
105°	29	27	24	13	0	32
115°	58	57	53	33	0	59
125°	100	96	92	72	31	90
135°	149	143	142	141	80	115
145°	196	197	195	196	194	123
155°	238	240	237	236	238	110
165°	266	264	266	266	272	75
175°	277	274	276	274	281	26
180°	276	276	276	276	276	



TEST NUMBER: P395006

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3
2.5°	277.2	271.8	271.8	275.4	279.0	275.4	279.9	275.4	277.2	274.5	277.2
5°	277.2	273.6	272.7	270.9	275.4	274.5	280.8	275.4	275.4	276.3	276.3
7.5°	276.3	272.7	271.8	270.9	270.0	271.8	282.6	277.2	274.5	275.4	275.4
10°	273.6	270.0	269.1	262.0	271.8	272.7	273.6	270.9	271.8	270.0	272.7
12.5°	270.0	267.4	263.8	268.2	266.5	267.4	269.1	279.0	269.1	267.4	267.4
15°	266.5	260.2	261.1	264.7	262.9	263.8	264.7	264.7	265.6	265.6	266.5
17.5°	262.0	258.4	256.6	256.6	260.2	261.1	260.2	266.5	260.2	261.1	259.3
20°	255.7	248.6	251.3	253.0	257.5	253.0	256.6	253.9	254.8	249.5	255.7
22.5°	247.7	239.6	240.5	241.4	245.0	245.9	249.5	245.9	247.7	242.3	245.9
25°	237.8	236.1	236.1	237.8	241.4	240.5	243.2	241.4	238.7	237.0	237.0
27.5°	230.7	227.1	227.1	222.6	229.8	230.7	231.6	231.6	225.3	228.0	228.0
30°	221.8	214.6	216.4	219.1	219.1	220.9	219.1	220.9	219.1	219.1	220.9
32.5°	207.4	203.9	203.9	205.7	207.4	209.2	211.0	208.3	207.4	208.3	209.2
35°	195.8	194.9	194.0	195.8	199.4	196.7	194.9	201.2	190.5	194.0	194.9
37.5°	184.2	183.3	182.4	180.6	182.4	180.6	182.4	181.5	179.7	182.4	182.4
40°	176.1	170.8	168.1	168.1	169.9	169.9	168.1	169.0	165.4	167.2	169.0
42.5°	160.9	161.8	159.2	158.3	156.5	156.5	155.6	155.6	155.6	152.9	155.6
45°	149.3	146.6	146.6	145.7	144.0	143.1	142.2	139.5	142.2	141.3	142.2
47.5°	136.8	135.9	133.2	132.3	132.3	129.7	127.9	127.9	127.0	127.0	128.8
50°	123.4	122.5	121.6	120.7	120.7	118.0	115.3	114.5	112.7	114.5	115.3
52.5°	111.8	110.9	108.2	109.1	109.1	107.3	102.8	101.9	103.7	102.8	102.8
55°	100.1	101.0	98.4	97.5	96.6	95.7	93.0	91.2	91.2	91.2	92.1
57.5°	89.4	89.4	87.6	86.7	84.9	84.1	83.2	80.5	80.5	79.6	80.5
60°	79.6	78.7	76.9	76.9	76.0	73.3	72.4	70.6	70.6	69.7	70.6
62.5°	68.0	66.2	68.0	66.2	66.2	65.3	64.4	62.6	59.9	59.9	61.7
65°	58.1	59.0	58.1	57.2	57.2	57.2	55.4	53.6	51.0	51.9	52.8
67.5°	51.0	51.0	50.1	49.2	50.1	48.3	46.5	45.6	43.8	43.8	43.8
70°	42.9	42.9	42.9	42.0	41.1	41.1	39.3	38.4	36.7	36.7	36.7
72.5°	37.6	35.8	34.9	34.0	34.0	33.1	32.2	31.3	29.5	30.4	30.4
75°	28.6	28.6	28.6	27.7	27.7	26.8	25.9	25.0	24.1	23.2	24.1
77.5°	23.2	23.2	23.2	22.4	22.4	20.6	19.7	19.7	17.9	17.9	17.9
80°	17.9	17.9	17.9	17.0	17.0	15.2	14.3	13.4	14.3	13.4	12.5
82.5°	12.5	12.5	12.5	11.6	11.6	11.6	9.8	9.8	8.0	8.0	8.0
85°	8.9	8.9	8.9	8.0	8.0	8.0	6.3	5.4	4.5	4.5	4.5
87.5°	6.3	6.3	6.3	6.3	5.4	4.5	3.6	2.7	2.7	1.8	1.8
90°	5.4	5.4	5.4	5.4	3.6	3.6	3.6	1.8	1.8	0.0	0.0
92.5°	6.3	6.3	6.3	6.3	5.4	4.5	3.6	2.7	2.7	1.8	1.8
95°	8.9	8.9	8.9	8.0	8.0	8.0	6.3	5.4	4.5	4.5	4.5
97.5°	12.5	12.5	12.5	11.6	11.6	11.6	9.8	9.8	8.0	8.0	8.0
100°	17.9	17.9	17.9	17.0	17.0	15.2	14.3	13.4	14.3	13.4	12.5
102.5°	23.2	23.2	23.2	22.4	22.4	20.6	19.7	19.7	17.9	17.9	17.9
105°	28.6	28.6	28.6	27.7	27.7	26.8	25.9	25.0	24.1	23.2	24.1
107.5°	37.6	35.8	34.9	34.0	34.0	33.1	32.2	31.3	29.5	30.4	30.4
110°	42.9	42.9	42.9	42.0	41.1	41.1	39.3	38.4	36.7	36.7	36.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	51.0	51.0	50.1	49.2	50.1	48.3	46.5	45.6	43.8	43.8	43.8
115°	58.1	59.0	58.1	57.2	57.2	57.2	55.4	53.6	51.0	51.9	52.8
117.5°	68.0	66.2	68.0	66.2	66.2	65.3	64.4	62.6	59.9	59.9	61.7
120°	79.6	78.7	76.9	76.9	76.0	73.3	72.4	70.6	70.6	69.7	70.6
122.5°	89.4	89.4	87.6	86.7	84.9	84.1	83.2	80.5	80.5	79.6	80.5
125°	100.1	101.0	98.4	97.5	96.6	95.7	93.0	91.2	91.2	91.2	92.1
127.5°	111.8	110.9	108.2	109.1	109.1	107.3	102.8	101.9	103.7	102.8	102.8
130°	123.4	122.5	121.6	120.7	120.7	118.0	115.3	114.5	112.7	114.5	115.3
132.5°	136.8	135.9	133.2	132.3	132.3	129.7	127.9	127.9	127.0	127.0	128.8
135°	149.3	146.6	146.6	145.7	144.0	143.1	142.2	139.5	142.2	141.3	142.2
137.5°	160.9	161.8	159.2	158.3	156.5	156.5	155.6	155.6	155.6	152.9	155.6
140°	176.1	170.8	168.1	168.1	169.9	169.9	168.1	169.0	165.4	167.2	169.0
142.5°	184.2	183.3	182.4	180.6	182.4	180.6	182.4	181.5	179.7	182.4	182.4
145°	195.8	194.9	194.0	195.8	199.4	196.7	194.9	201.2	190.5	194.0	194.9
147.5°	207.4	203.9	203.9	205.7	207.4	209.2	211.0	208.3	207.4	208.3	209.2
150°	221.8	214.6	216.4	219.1	219.1	220.9	219.1	220.9	219.1	219.1	220.9
152.5°	230.7	227.1	227.1	222.6	229.8	230.7	231.6	231.6	225.3	228.0	228.0
155°	237.8	236.1	236.1	237.8	241.4	240.5	243.2	241.4	238.7	237.0	237.0
157.5°	247.7	239.6	240.5	241.4	245.0	245.9	249.5	245.9	247.7	242.3	245.9
160°	255.7	248.6	251.3	253.0	257.5	253.0	256.6	253.9	254.8	249.5	255.7
162.5°	262.0	258.4	256.6	256.6	260.2	261.1	260.2	266.5	260.2	261.1	259.3
165°	266.5	260.2	261.1	264.7	262.9	263.8	264.7	264.7	265.6	265.6	266.5
167.5°	270.0	267.4	263.8	268.2	266.5	267.4	269.1	279.0	269.1	267.4	267.4
170°	273.6	270.0	269.1	262.0	271.8	272.7	273.6	270.9	271.8	270.0	272.7
172.5°	276.3	272.7	271.8	270.9	270.0	271.8	282.6	277.2	274.5	275.4	275.4
175°	277.2	273.6	272.7	270.9	275.4	274.5	280.8	275.4	275.4	276.3	276.3
177.5°	277.2	271.8	271.8	275.4	279.0	275.4	279.9	275.4	277.2	274.5	277.2
180°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3
2.5°	275.4	275.4	275.4	277.2	277.2	269.1	278.1	278.1	274.5	280.8
5°	277.2	274.5	277.2	273.6	274.5	272.7	275.4	275.4	272.7	280.8
7.5°	275.4	276.3	273.6	276.3	273.6	272.7	280.8	275.4	275.4	279.9
10°	273.6	273.6	271.8	270.9	271.8	273.6	278.1	273.6	270.9	272.7
12.5°	270.0	270.9	272.7	269.1	266.5	270.9	272.7	270.9	265.6	275.4
15°	270.0	267.4	267.4	264.7	265.6	267.4	269.1	267.4	265.6	271.8
17.5°	262.0	261.1	261.1	259.3	257.5	262.9	267.4	262.0	262.0	262.0
20°	255.7	256.6	257.5	253.9	254.8	253.0	256.6	255.7	256.6	254.8
22.5°	250.4	248.6	248.6	248.6	249.5	249.5	249.5	248.6	239.6	247.7
25°	238.7	240.5	241.4	237.8	236.1	240.5	241.4	236.1	239.6	237.8
27.5°	228.9	228.9	231.6	228.9	227.1	225.3	234.3	230.7	225.3	228.0
30°	218.2	219.1	221.8	218.2	219.1	220.9	221.8	219.1	220.0	217.3
32.5°	209.2	206.6	211.0	207.4	208.3	208.3	209.2	206.6	203.9	206.6
35°	194.0	196.7	196.7	193.1	195.8	194.0	195.8	194.0	194.9	194.0
37.5°	183.3	179.7	184.2	181.5	179.7	180.6	183.3	178.8	181.5	179.7
40°	167.2	168.1	170.8	167.2	166.3	164.5	168.1	168.1	163.6	166.3
42.5°	158.3	153.8	157.4	154.7	152.0	155.6	154.7	148.4	135.9	140.4
45°	142.2	140.4	143.1	137.7	141.3	138.6	133.2	98.4	83.2	80.5
47.5°	127.0	125.2	129.7	126.1	127.0	123.4	90.3	66.2	63.5	63.5
50°	117.1	114.5	117.1	112.7	113.6	86.7	70.6	55.4	53.6	53.6
52.5°	103.7	103.7	105.5	101.0	97.5	64.4	59.9	47.4	46.5	44.7
55°	92.1	92.1	93.0	91.2	72.4	55.4	51.0	37.6	32.2	31.3
57.5°	79.6	80.5	81.4	78.7	59.0	47.4	39.3	10.7	5.4	4.5
60°	69.7	69.7	70.6	63.5	51.0	38.4	19.7	3.6	1.8	1.8
62.5°	61.7	60.8	61.7	51.9	42.9	22.4	15.2	1.8	0.0	0.0
65°	51.9	51.9	52.8	42.9	33.1	17.0	11.6	0.9	0.0	0.0
67.5°	43.8	43.8	44.7	36.7	25.9	14.3	9.8	0.9	0.0	0.0
70°	36.7	36.7	36.7	30.4	21.5	11.6	8.0	0.9	0.0	0.0
72.5°	29.5	29.5	29.5	25.0	17.9	9.8	6.3	0.0	0.0	0.0
75°	24.1	24.1	23.2	19.7	13.4	8.0	5.4	0.0	0.0	0.0
77.5°	17.9	17.9	18.8	15.2	10.7	5.4	3.6	0.0	0.0	0.0
80°	12.5	12.5	12.5	10.7	8.0	4.5	2.7	0.0	0.0	0.0
82.5°	8.0	8.0	8.9	7.2	5.4	2.7	1.8	0.0	0.0	0.0
85°	4.5	4.5	4.5	3.6	2.7	1.8	0.9	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0
95°	4.5	4.5	4.5	3.6	2.7	1.8	0.9	0.0	0.0	0.0
97.5°	8.0	8.0	8.9	7.2	5.4	2.7	1.8	0.0	0.0	0.0
100°	12.5	12.5	12.5	10.7	8.0	4.5	2.7	0.0	0.0	0.0
102.5°	17.9	17.9	18.8	15.2	10.7	5.4	3.6	0.0	0.0	0.0
105°	24.1	24.1	23.2	19.7	13.4	8.0	5.4	0.0	0.0	0.0
107.5°	29.5	29.5	29.5	25.0	17.9	9.8	6.3	0.0	0.0	0.0
110°	36.7	36.7	36.7	30.4	21.5	11.6	8.0	0.9	0.0	0.0





TEST NUMBER: P395006

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

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	43.8	43.8	44.7	36.7	25.9	14.3	9.8	0.9	0.0	0.0
115°	51.9	51.9	52.8	42.9	33.1	17.0	11.6	0.9	0.0	0.0
117.5°	61.7	60.8	61.7	51.9	42.9	22.4	15.2	1.8	0.0	0.0
120°	69.7	69.7	70.6	63.5	51.0	38.4	19.7	3.6	1.8	1.8
122.5°	79.6	80.5	81.4	78.7	59.0	47.4	39.3	10.7	5.4	4.5
125°	92.1	92.1	93.0	91.2	72.4	55.4	51.0	37.6	32.2	31.3
127.5°	103.7	103.7	105.5	101.0	97.5	64.4	59.9	47.4	46.5	44.7
130°	117.1	114.5	117.1	112.7	113.6	86.7	70.6	55.4	53.6	53.6
132.5°	127.0	125.2	129.7	126.1	127.0	123.4	90.3	66.2	63.5	63.5
135°	142.2	140.4	143.1	137.7	141.3	138.6	133.2	98.4	83.2	80.5
137.5°	158.3	153.8	157.4	154.7	152.0	155.6	154.7	148.4	135.9	140.4
140°	167.2	168.1	170.8	167.2	166.3	164.5	168.1	168.1	163.6	166.3
142.5°	183.3	179.7	184.2	181.5	179.7	180.6	183.3	178.8	181.5	179.7
145°	194.0	196.7	196.7	193.1	195.8	194.0	195.8	194.0	194.9	194.0
147.5°	209.2	206.6	211.0	207.4	208.3	208.3	209.2	206.6	203.9	206.6
150°	218.2	219.1	221.8	218.2	219.1	220.9	221.8	219.1	220.0	217.3
152.5°	228.9	228.9	231.6	228.9	227.1	225.3	234.3	230.7	225.3	228.0
155°	238.7	240.5	241.4	237.8	236.1	240.5	241.4	236.1	239.6	237.8
157.5°	250.4	248.6	248.6	248.6	249.5	249.5	249.5	248.6	239.6	247.7
160°	255.7	256.6	257.5	253.9	254.8	253.0	256.6	255.7	256.6	254.8
162.5°	262.0	261.1	261.1	259.3	257.5	262.9	267.4	262.0	262.0	262.0
165°	270.0	267.4	267.4	264.7	265.6	267.4	269.1	267.4	265.6	271.8
167.5°	270.0	270.9	272.7	269.1	266.5	270.9	272.7	270.9	265.6	275.4
170°	273.6	273.6	271.8	270.9	271.8	273.6	278.1	273.6	270.9	272.7
172.5°	275.4	276.3	273.6	276.3	273.6	272.7	280.8	275.4	275.4	279.9
175°	277.2	274.5	277.2	273.6	274.5	272.7	275.4	275.4	272.7	280.8
177.5°	275.4	275.4	275.4	277.2	277.2	269.1	278.1	278.1	274.5	280.8
180°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3

(END OF REPORT)