

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: P395007

Luminaire Tested: **303-W2-LEDB2-3000-UNV-T5X-DIM10-CS**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395007  
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-LEDB2-3000-UNV-T5X-DIM10-CS  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 5  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1193.0 lumens  
Efficiency: N/A  
Efficacy: 77.0 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

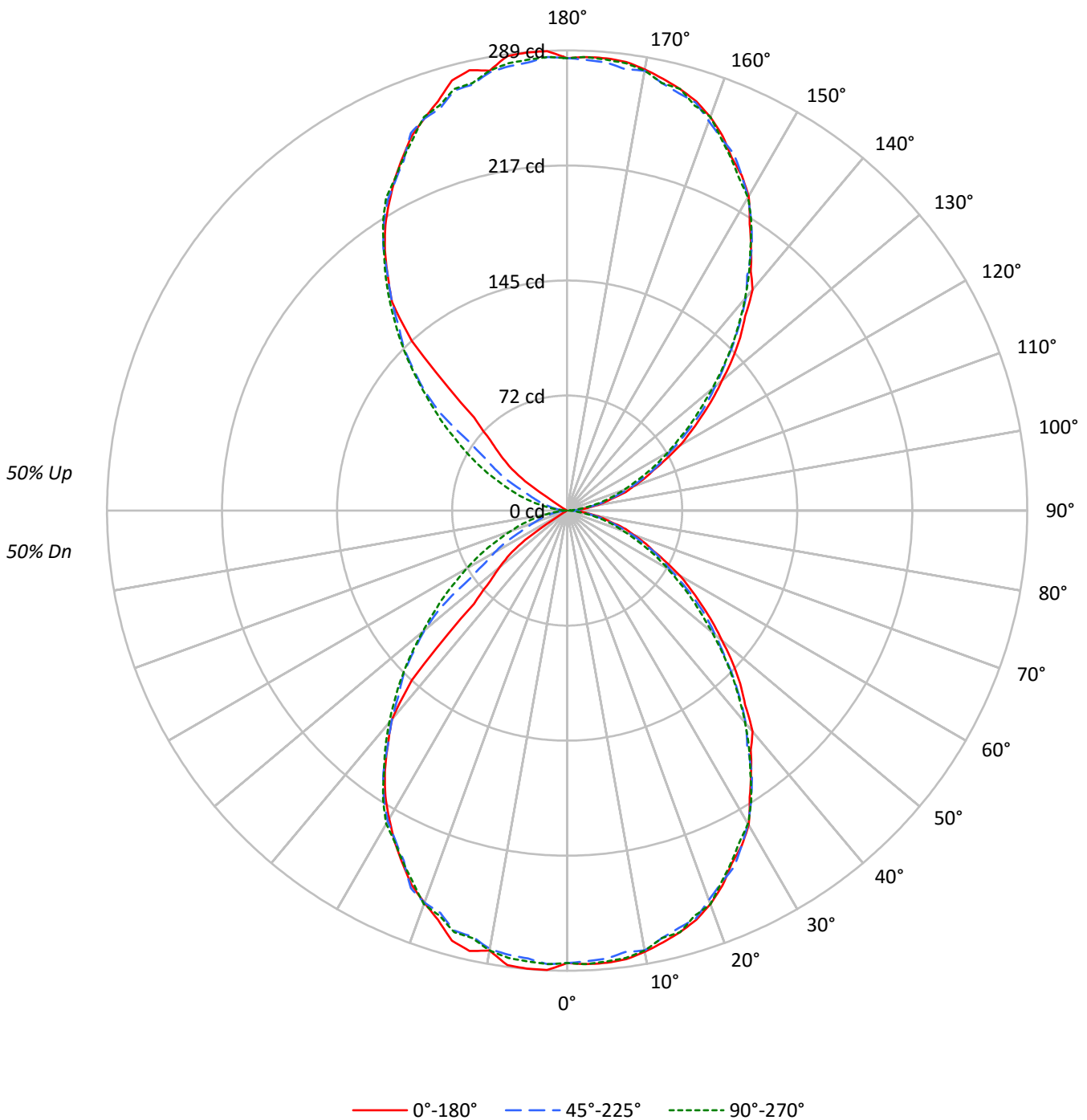
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	39157	39157	39157
5°	39431	39306	39942
10°	39369	39243	39243
15°	39097	39097	39882
20°	38561	38561	38429
25°	37184	37048	37184
30°	36289	36146	35557
35°	33875	33723	33572
40°	32590	31259	30774
45°	29929	28487	16133
50°	27200	25421	11832
55°	24742	22748	7735
60°	22568	20033	496
65°	19495	17702	0
70°	17765	15187	0
75°	15651	13202	0
80°	14599	10235	0
85°	14544	7272	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.9	2.3
10°-20°	76.9	6.4
20°-30°	112.7	9.4
30°-40°	125.1	10.5
40°-50°	108.2	9.1
50°-60°	74.9	6.3
60°-70°	43.9	3.7
70°-80°	21.8	1.8
80°-90°	6.0	0.5
90°-100°	6.0	0.5
100°-110°	21.8	1.8
110°-120°	43.9	3.7
120°-130°	74.9	6.3
130°-140°	108.2	9.1
140°-150°	125.1	10.5
150°-160°	112.7	9.4
160°-170°	76.9	6.4
170°-180°	26.9	2.3
0°-30°	216.6	18.2
0°-40°	341.7	28.6
0°-60°	524.8	44.0
0°-90°	596.5	50.0
90°-120°	71.7	6.0
90°-150°	379.9	31.8
90°-180°	597.0	50.0
0°-180°	1193.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	285	282	284	282	289	27
15°	274	271	274	273	280	77
25°	245	247	244	243	245	113
35°	201	202	200	201	200	126
45°	154	147	146	145	83	118
55°	103	98	95	74	32	93
65°	60	59	54	34	0	61
75°	29	28	25	14	0	32
85°	9	8	5	3	0	9
90°	6	4	0	0	0	3
95°	9	8	5	3	0	9
105°	29	28	25	14	0	32
115°	60	59	54	34	0	61
125°	103	98	95	74	32	93
135°	154	147	146	145	83	118
145°	201	202	200	201	200	126
155°	245	247	244	243	245	113
165°	274	271	274	273	280	77
175°	285	282	284	282	289	27
180°	284	284	284	284	284	



TEST NUMBER: P395007

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T5X-DIM10-CS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2
2.5°	285.1	279.6	279.6	283.3	286.9	283.3	287.9	283.3	285.1	282.4	285.1
5°	285.1	281.4	280.5	278.7	283.3	282.4	288.8	283.3	283.3	284.2	284.2
7.5°	284.2	280.5	279.6	278.7	277.8	279.6	290.6	285.1	282.4	283.3	283.3
10°	281.4	277.8	276.8	269.5	279.6	280.5	281.4	278.7	279.6	277.8	280.5
12.5°	277.8	275.0	271.3	275.9	274.1	275.0	276.8	286.9	276.8	275.0	275.0
15°	274.1	267.6	268.6	272.2	270.4	271.3	272.2	272.2	273.2	273.2	274.1
17.5°	269.5	265.8	264.0	264.0	267.6	268.6	267.6	274.1	267.6	268.6	266.7
20°	263.0	255.7	258.4	260.3	264.9	260.3	264.0	261.2	262.1	256.6	263.0
22.5°	254.8	246.5	247.4	248.3	252.0	252.9	256.6	252.9	254.8	249.2	252.9
25°	244.6	242.8	242.8	244.6	248.3	247.4	250.2	248.3	245.6	243.7	243.7
27.5°	237.3	233.6	233.6	229.0	236.4	237.3	238.2	238.2	231.8	234.5	234.5
30°	228.1	220.7	222.6	225.3	225.3	227.2	225.3	227.2	225.3	225.3	227.2
32.5°	213.4	209.7	209.7	211.5	213.4	215.2	217.1	214.3	213.4	214.3	215.2
35°	201.4	200.5	199.6	201.4	205.1	202.3	200.5	206.9	195.9	199.6	200.5
37.5°	189.5	188.5	187.6	185.8	187.6	185.8	187.6	186.7	184.9	187.6	187.6
40°	181.2	175.7	172.9	172.9	174.7	174.7	172.9	173.8	170.1	172.0	173.8
42.5°	165.5	166.5	163.7	162.8	160.9	160.9	160.0	160.0	160.0	157.3	160.0
45°	153.6	150.8	150.8	149.9	148.1	147.2	146.2	143.5	146.2	145.3	146.2
47.5°	140.7	139.8	137.0	136.1	136.1	133.4	131.5	131.5	130.6	130.6	132.4
50°	126.9	126.0	125.1	124.2	124.2	121.4	118.6	117.7	115.9	117.7	118.6
52.5°	115.0	114.0	111.3	112.2	112.2	110.4	105.8	104.8	106.7	105.8	105.8
55°	103.0	103.9	101.2	100.2	99.3	98.4	95.6	93.8	93.8	93.8	94.7
57.5°	92.0	92.0	90.1	89.2	87.4	86.5	85.5	82.8	82.8	81.9	82.8
60°	81.9	80.9	79.1	79.1	78.2	75.4	74.5	72.7	72.7	71.7	72.7
62.5°	69.9	68.1	69.9	68.1	68.1	67.1	66.2	64.4	61.6	61.6	63.5
65°	59.8	60.7	59.8	58.9	58.9	58.9	57.0	55.2	52.4	53.3	54.3
67.5°	52.4	52.4	51.5	50.6	51.5	49.7	47.8	46.9	45.1	45.1	45.1
70°	44.1	44.1	44.1	43.2	42.3	42.3	40.5	39.5	37.7	37.7	37.7
72.5°	38.6	36.8	35.9	34.9	34.9	34.0	33.1	32.2	30.4	31.3	31.3
75°	29.4	29.4	29.4	28.5	28.5	27.6	26.7	25.8	24.8	23.9	24.8
77.5°	23.9	23.9	23.9	23.0	23.0	21.2	20.2	20.2	18.4	18.4	18.4
80°	18.4	18.4	18.4	17.5	17.5	15.6	14.7	13.8	14.7	13.8	12.9
82.5°	12.9	12.9	12.9	12.0	12.0	12.0	10.1	10.1	8.3	8.3	8.3
85°	9.2	9.2	9.2	8.3	8.3	8.3	6.4	5.5	4.6	4.6	4.6
87.5°	6.4	6.4	6.4	6.4	5.5	4.6	3.7	2.8	2.8	1.8	1.8
90°	5.5	5.5	5.5	5.5	3.7	3.7	3.7	1.8	1.8	0.0	0.0
92.5°	6.4	6.4	6.4	6.4	5.5	4.6	3.7	2.8	2.8	1.8	1.8
95°	9.2	9.2	9.2	8.3	8.3	8.3	6.4	5.5	4.6	4.6	4.6
97.5°	12.9	12.9	12.9	12.0	12.0	12.0	10.1	10.1	8.3	8.3	8.3
100°	18.4	18.4	18.4	17.5	17.5	15.6	14.7	13.8	14.7	13.8	12.9
102.5°	23.9	23.9	23.9	23.0	23.0	21.2	20.2	20.2	18.4	18.4	18.4
105°	29.4	29.4	29.4	28.5	28.5	27.6	26.7	25.8	24.8	23.9	24.8
107.5°	38.6	36.8	35.9	34.9	34.9	34.0	33.1	32.2	30.4	31.3	31.3
110°	44.1	44.1	44.1	43.2	42.3	42.3	40.5	39.5	37.7	37.7	37.7



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CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T5X-DIM10-CS

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	52.4	52.4	51.5	50.6	51.5	49.7	47.8	46.9	45.1	45.1	45.1
115°	59.8	60.7	59.8	58.9	58.9	58.9	57.0	55.2	52.4	53.3	54.3
117.5°	69.9	68.1	69.9	68.1	68.1	67.1	66.2	64.4	61.6	61.6	63.5
120°	81.9	80.9	79.1	79.1	78.2	75.4	74.5	72.7	72.7	71.7	72.7
122.5°	92.0	92.0	90.1	89.2	87.4	86.5	85.5	82.8	82.8	81.9	82.8
125°	103.0	103.9	101.2	100.2	99.3	98.4	95.6	93.8	93.8	93.8	94.7
127.5°	115.0	114.0	111.3	112.2	112.2	110.4	105.8	104.8	106.7	105.8	105.8
130°	126.9	126.0	125.1	124.2	124.2	121.4	118.6	117.7	115.9	117.7	118.6
132.5°	140.7	139.8	137.0	136.1	136.1	133.4	131.5	131.5	130.6	130.6	132.4
135°	153.6	150.8	150.8	149.9	148.1	147.2	146.2	143.5	146.2	145.3	146.2
137.5°	165.5	166.5	163.7	162.8	160.9	160.9	160.0	160.0	160.0	157.3	160.0
140°	181.2	175.7	172.9	172.9	174.7	174.7	172.9	173.8	170.1	172.0	173.8
142.5°	189.5	188.5	187.6	185.8	187.6	185.8	187.6	186.7	184.9	187.6	187.6
145°	201.4	200.5	199.6	201.4	205.1	202.3	200.5	206.9	195.9	199.6	200.5
147.5°	213.4	209.7	209.7	211.5	213.4	215.2	217.1	214.3	213.4	214.3	215.2
150°	228.1	220.7	222.6	225.3	225.3	227.2	225.3	227.2	225.3	225.3	227.2
152.5°	237.3	233.6	233.6	229.0	236.4	237.3	238.2	238.2	231.8	234.5	234.5
155°	244.6	242.8	242.8	244.6	248.3	247.4	250.2	248.3	245.6	243.7	243.7
157.5°	254.8	246.5	247.4	248.3	252.0	252.9	256.6	252.9	254.8	249.2	252.9
160°	263.0	255.7	258.4	260.3	264.9	260.3	264.0	261.2	262.1	256.6	263.0
162.5°	269.5	265.8	264.0	264.0	267.6	268.6	267.6	274.1	267.6	268.6	266.7
165°	274.1	267.6	268.6	272.2	270.4	271.3	272.2	272.2	273.2	273.2	274.1
167.5°	277.8	275.0	271.3	275.9	274.1	275.0	276.8	286.9	276.8	275.0	275.0
170°	281.4	277.8	276.8	269.5	279.6	280.5	281.4	278.7	279.6	277.8	280.5
172.5°	284.2	280.5	279.6	278.7	277.8	279.6	290.6	285.1	282.4	283.3	283.3
175°	285.1	281.4	280.5	278.7	283.3	282.4	288.8	283.3	283.3	284.2	284.2
177.5°	285.1	279.6	279.6	283.3	286.9	283.3	287.9	283.3	285.1	282.4	285.1
180°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2
2.5°	283.3	283.3	283.3	285.1	285.1	276.8	286.0	286.0	282.4	288.8
5°	285.1	282.4	285.1	281.4	282.4	280.5	283.3	283.3	280.5	288.8
7.5°	283.3	284.2	281.4	284.2	281.4	280.5	288.8	283.3	283.3	287.9
10°	281.4	281.4	279.6	278.7	279.6	281.4	286.0	281.4	278.7	280.5
12.5°	277.8	278.7	280.5	276.8	274.1	278.7	280.5	278.7	273.2	283.3
15°	277.8	275.0	275.0	272.2	273.2	275.0	276.8	275.0	273.2	279.6
17.5°	269.5	268.6	268.6	266.7	264.9	270.4	275.0	269.5	269.5	269.5
20°	263.0	264.0	264.9	261.2	262.1	260.3	264.0	263.0	264.0	262.1
22.5°	257.5	255.7	255.7	255.7	256.6	256.6	256.6	255.7	246.5	254.8
25°	245.6	247.4	248.3	244.6	242.8	247.4	248.3	242.8	246.5	244.6
27.5°	235.4	235.4	238.2	235.4	233.6	231.8	241.0	237.3	231.8	234.5
30°	224.4	225.3	228.1	224.4	225.3	227.2	228.1	225.3	226.2	223.5
32.5°	215.2	212.5	217.1	213.4	214.3	214.3	215.2	212.5	209.7	212.5
35°	199.6	202.3	202.3	198.7	201.4	199.6	201.4	199.6	200.5	199.6
37.5°	188.5	184.9	189.5	186.7	184.9	185.8	188.5	183.9	186.7	184.9
40°	172.0	172.9	175.7	172.0	171.1	169.2	172.9	172.9	168.3	171.1
42.5°	162.8	158.2	161.9	159.1	156.4	160.0	159.1	152.7	139.8	144.4
45°	146.2	144.4	147.2	141.6	145.3	142.6	137.0	101.2	85.5	82.8
47.5°	130.6	128.8	133.4	129.7	130.6	126.9	92.9	68.1	65.3	65.3
50°	120.5	117.7	120.5	115.9	116.8	89.2	72.7	57.0	55.2	55.2
52.5°	106.7	106.7	108.5	103.9	100.2	66.2	61.6	48.7	47.8	46.0
55°	94.7	94.7	95.6	93.8	74.5	57.0	52.4	38.6	33.1	32.2
57.5°	81.9	82.8	83.7	80.9	60.7	48.7	40.5	11.0	5.5	4.6
60°	71.7	71.7	72.7	65.3	52.4	39.5	20.2	3.7	1.8	1.8
62.5°	63.5	62.5	63.5	53.3	44.1	23.0	15.6	1.8	0.0	0.0
65°	53.3	53.3	54.3	44.1	34.0	17.5	12.0	0.9	0.0	0.0
67.5°	45.1	45.1	46.0	37.7	26.7	14.7	10.1	0.9	0.0	0.0
70°	37.7	37.7	37.7	31.3	22.1	12.0	8.3	0.9	0.0	0.0
72.5°	30.4	30.4	30.4	25.8	18.4	10.1	6.4	0.0	0.0	0.0
75°	24.8	24.8	23.9	20.2	13.8	8.3	5.5	0.0	0.0	0.0
77.5°	18.4	18.4	19.3	15.6	11.0	5.5	3.7	0.0	0.0	0.0
80°	12.9	12.9	12.9	11.0	8.3	4.6	2.8	0.0	0.0	0.0
82.5°	8.3	8.3	9.2	7.4	5.5	2.8	1.8	0.0	0.0	0.0
85°	4.6	4.6	4.6	3.7	2.8	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°	4.6	4.6	4.6	3.7	2.8	1.8	0.9	0.0	0.0	0.0
97.5°	8.3	8.3	9.2	7.4	5.5	2.8	1.8	0.0	0.0	0.0
100°	12.9	12.9	12.9	11.0	8.3	4.6	2.8	0.0	0.0	0.0
102.5°	18.4	18.4	19.3	15.6	11.0	5.5	3.7	0.0	0.0	0.0
105°	24.8	24.8	23.9	20.2	13.8	8.3	5.5	0.0	0.0	0.0
107.5°	30.4	30.4	30.4	25.8	18.4	10.1	6.4	0.0	0.0	0.0
110°	37.7	37.7	37.7	31.3	22.1	12.0	8.3	0.9	0.0	0.0





TEST NUMBER: P395007

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T5X-DIM10-CS

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	45.1	45.1	46.0	37.7	26.7	14.7	10.1	0.9	0.0	0.0
115°	53.3	53.3	54.3	44.1	34.0	17.5	12.0	0.9	0.0	0.0
117.5°	63.5	62.5	63.5	53.3	44.1	23.0	15.6	1.8	0.0	0.0
120°	71.7	71.7	72.7	65.3	52.4	39.5	20.2	3.7	1.8	1.8
122.5°	81.9	82.8	83.7	80.9	60.7	48.7	40.5	11.0	5.5	4.6
125°	94.7	94.7	95.6	93.8	74.5	57.0	52.4	38.6	33.1	32.2
127.5°	106.7	106.7	108.5	103.9	100.2	66.2	61.6	48.7	47.8	46.0
130°	120.5	117.7	120.5	115.9	116.8	89.2	72.7	57.0	55.2	55.2
132.5°	130.6	128.8	133.4	129.7	130.6	126.9	92.9	68.1	65.3	65.3
135°	146.2	144.4	147.2	141.6	145.3	142.6	137.0	101.2	85.5	82.8
137.5°	162.8	158.2	161.9	159.1	156.4	160.0	159.1	152.7	139.8	144.4
140°	172.0	172.9	175.7	172.0	171.1	169.2	172.9	172.9	168.3	171.1
142.5°	188.5	184.9	189.5	186.7	184.9	185.8	188.5	183.9	186.7	184.9
145°	199.6	202.3	202.3	198.7	201.4	199.6	201.4	199.6	200.5	199.6
147.5°	215.2	212.5	217.1	213.4	214.3	214.3	215.2	212.5	209.7	212.5
150°	224.4	225.3	228.1	224.4	225.3	227.2	228.1	225.3	226.2	223.5
152.5°	235.4	235.4	238.2	235.4	233.6	231.8	241.0	237.3	231.8	234.5
155°	245.6	247.4	248.3	244.6	242.8	247.4	248.3	242.8	246.5	244.6
157.5°	257.5	255.7	255.7	255.7	256.6	256.6	256.6	255.7	246.5	254.8
160°	263.0	264.0	264.9	261.2	262.1	260.3	264.0	263.0	264.0	262.1
162.5°	269.5	268.6	268.6	266.7	264.9	270.4	275.0	269.5	269.5	269.5
165°	277.8	275.0	275.0	272.2	273.2	275.0	276.8	275.0	273.2	279.6
167.5°	277.8	278.7	280.5	276.8	274.1	278.7	280.5	278.7	273.2	283.3
170°	281.4	281.4	279.6	278.7	279.6	281.4	286.0	281.4	278.7	280.5
172.5°	283.3	284.2	281.4	284.2	281.4	280.5	288.8	283.3	283.3	287.9
175°	285.1	282.4	285.1	281.4	282.4	280.5	283.3	283.3	280.5	288.8
177.5°	283.3	283.3	283.3	285.1	285.1	276.8	286.0	286.0	282.4	288.8
180°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2

(END OF REPORT)