

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: P395012

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

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395012  
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-LEDB2-3000-UNV-T5X-DIM10-CS-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 5 WITH EDGE GLOW  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1135.0 lumens  
Efficiency: N/A  
Efficacy: 73.2 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

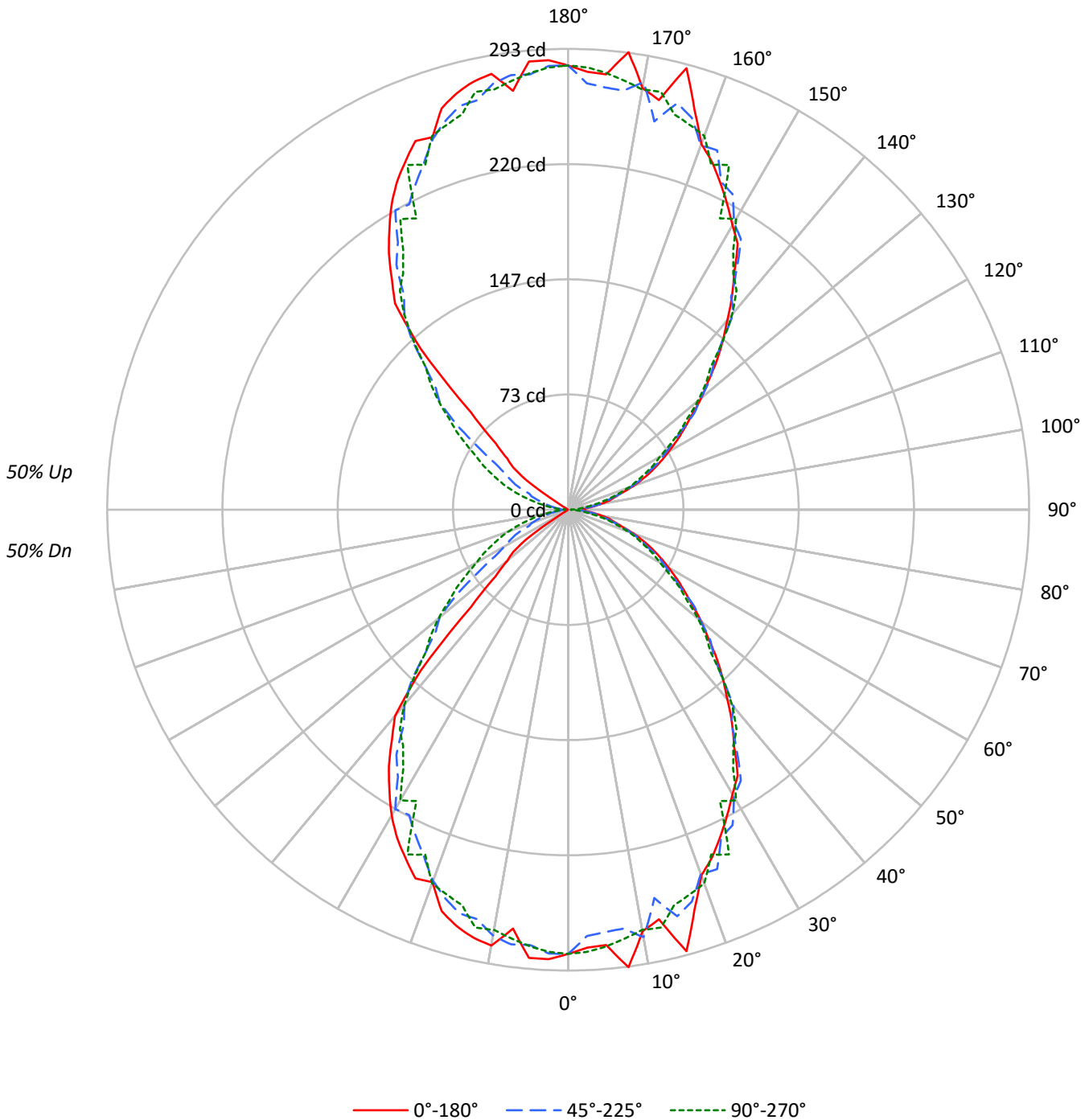
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	38909	38909	38909
5°	23452	28455	24144
10°	16655	22135	17218
15°	14028	17798	13231
20°	9923	14980	10108
25°	7908	12724	8447
30°	6373	10164	6849
35°	5063	8019	5471
40°	3972	6616	4321
45°	3133	4928	2053
50°	2441	3956	1119
55°	1895	3061	658
60°	1487	2305	0
65°	1154	1793	0
70°	844	1344	0
75°	573	881	0
80°	397	486	0
85°	225	214	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.6	2.3
10°-20°	74.4	6.6
20°-30°	107.4	9.5
30°-40°	117.1	10.3
40°-50°	98.2	8.6
50°-60°	68.4	6.0
60°-70°	43.2	3.8
70°-80°	23.8	2.1
80°-90°	8.5	0.8
90°-100°	8.5	0.8
100°-110°	23.8	2.1
110°-120°	43.2	3.8
120°-130°	68.4	6.0
130°-140°	98.2	8.6
140°-150°	117.1	10.3
150°-160°	107.4	9.5
160°-170°	74.4	6.6
170°-180°	26.6	2.3
0°-30°	208.4	18.4
0°-40°	325.4	28.7
0°-60°	492.0	43.3
0°-90°	567.5	50.0
90°-120°	75.5	6.7
90°-150°	359.1	31.6
90°-180°	568.0	50.0
0°-180°	1135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	282	282	282	282	282	
5°	278	270	279	278	286	27
15°	291	268	260	266	274	77
25°	229	230	242	229	245	105
35°	184	187	183	190	199	115
45°	133	131	128	128	87	103
55°	90	88	86	71	31	81
65°	59	55	53	36	0	58
75°	30	28	27	17	0	33
85°	12	10	6	5	0	12
90°	9	7	2	2	0	5
95°	12	10	6	5	0	12
105°	30	28	27	17	0	33
115°	59	55	53	36	0	58
125°	90	88	86	71	31	81
135°	133	131	128	128	87	103
145°	184	187	183	190	199	115
155°	229	230	242	229	245	105
165°	291	268	260	266	274	77
175°	278	270	279	278	286	27
180°	282	282	282	282	282	



TEST NUMBER: P395012

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	278.7	278.7	267.6	283.3	276.8	271.3	293.4	278.7	282.4	278.7	281.4
5°	277.8	276.8	281.4	282.4	275.9	269.5	273.2	283.3	281.4	283.3	278.7
7.5°	293.4	275.9	278.7	279.6	272.2	268.6	271.3	269.5	278.7	275.0	275.0
10°	272.2	263.0	270.4	275.9	275.0	275.9	286.0	271.3	275.9	270.4	271.3
12.5°	266.7	258.4	271.3	270.4	263.0	252.9	272.2	266.7	262.1	269.5	272.2
15°	290.6	264.0	266.7	269.5	257.5	267.6	266.7	254.8	275.9	259.4	260.3
17.5°	266.7	257.5	259.4	258.4	252.9	261.2	266.7	255.7	260.3	251.1	256.6
20°	247.4	249.2	252.0	250.2	242.8	246.5	252.0	252.9	252.0	241.9	252.9
22.5°	239.1	241.9	239.1	246.5	235.4	247.4	243.7	243.7	243.7	240.0	237.3
25°	229.0	232.7	229.9	231.8	224.4	229.9	233.6	229.9	234.5	227.2	241.9
27.5°	218.9	214.3	218.0	221.6	219.8	226.2	222.6	213.4	226.2	221.6	208.8
30°	208.8	205.1	213.4	216.1	208.8	210.6	213.4	209.7	215.2	206.0	213.4
32.5°	200.5	194.1	201.4	203.3	196.8	204.2	199.6	198.7	203.3	188.5	195.0
35°	183.9	188.5	190.4	185.8	184.9	186.7	191.3	178.4	191.3	181.2	183.0
37.5°	171.1	176.6	175.7	172.9	172.0	170.1	172.0	159.1	174.7	167.4	175.7
40°	157.3	151.8	161.9	148.1	151.8	163.7	162.8	153.6	163.7	160.9	161.9
42.5°	145.3	144.4	151.8	138.9	138.0	144.4	141.6	141.6	149.0	139.8	145.3
45°	133.4	132.4	137.0	126.9	126.0	130.6	133.4	128.8	130.6	126.9	127.8
47.5°	120.5	125.1	124.2	120.5	110.4	122.3	111.3	111.3	117.7	117.7	118.6
50°	110.4	115.0	110.4	110.4	105.8	109.4	104.8	99.3	106.7	108.5	107.6
52.5°	99.3	99.3	102.1	99.3	95.6	101.2	90.1	91.1	96.6	96.6	95.6
55°	90.1	93.8	92.9	90.1	89.2	88.3	83.7	85.5	84.6	87.4	86.5
57.5°	81.9	81.9	84.6	86.5	80.9	78.2	75.4	74.5	77.3	77.3	76.3
60°	73.6	76.3	76.3	75.4	69.0	70.8	66.2	69.0	67.1	67.1	67.1
62.5°	66.2	68.1	71.7	66.2	65.3	64.4	59.8	61.6	59.8	61.6	60.7
65°	58.9	60.7	61.6	59.8	57.9	55.2	54.3	52.4	54.3	53.3	53.3
67.5°	51.5	53.3	51.5	50.6	48.7	49.7	47.8	46.9	45.1	45.1	46.9
70°	44.1	46.0	45.1	45.1	43.2	42.3	39.5	38.6	37.7	39.5	40.5
72.5°	35.9	39.5	37.7	37.7	36.8	35.9	34.9	32.2	32.2	33.1	33.1
75°	30.4	34.0	34.0	31.3	31.3	28.5	28.5	28.5	26.7	26.7	26.7
77.5°	26.7	26.7	26.7	25.8	24.8	23.9	22.1	23.0	20.2	20.2	20.2
80°	21.2	21.2	21.2	20.2	19.3	20.2	17.5	17.5	15.6	15.6	14.7
82.5°	16.6	17.5	16.6	16.6	14.7	14.7	13.8	12.9	11.0	11.0	10.1
85°	12.0	12.9	12.9	12.9	12.0	10.1	10.1	8.3	6.4	6.4	6.4
87.5°	10.1	11.0	10.1	9.2	9.2	8.3	7.4	5.5	4.6	3.7	3.7
90°	9.2	11.0	9.2	9.2	7.4	7.4	5.5	5.5	3.7	1.8	1.8
92.5°	10.1	11.0	10.1	9.2	9.2	8.3	7.4	5.5	4.6	3.7	3.7
95°	12.0	12.9	12.9	12.9	12.0	10.1	10.1	8.3	6.4	6.4	6.4
97.5°	16.6	17.5	16.6	16.6	14.7	14.7	13.8	12.9	11.0	11.0	10.1
100°	21.2	21.2	21.2	20.2	19.3	20.2	17.5	17.5	15.6	15.6	14.7
102.5°	26.7	26.7	26.7	25.8	24.8	23.9	22.1	23.0	20.2	20.2	20.2
105°	30.4	34.0	34.0	31.3	31.3	28.5	28.5	28.5	26.7	26.7	26.7
107.5°	35.9	39.5	37.7	37.7	36.8	35.9	34.9	32.2	32.2	33.1	33.1
110°	44.1	46.0	45.1	45.1	43.2	42.3	39.5	38.6	37.7	39.5	40.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	51.5	53.3	51.5	50.6	48.7	49.7	47.8	46.9	45.1	45.1	46.9
115°	58.9	60.7	61.6	59.8	57.9	55.2	54.3	52.4	54.3	53.3	53.3
117.5°	66.2	68.1	71.7	66.2	65.3	64.4	59.8	61.6	59.8	61.6	60.7
120°	73.6	76.3	76.3	75.4	69.0	70.8	66.2	69.0	67.1	67.1	67.1
122.5°	81.9	81.9	84.6	86.5	80.9	78.2	75.4	74.5	77.3	77.3	76.3
125°	90.1	93.8	92.9	90.1	89.2	88.3	83.7	85.5	84.6	87.4	86.5
127.5°	99.3	99.3	102.1	99.3	95.6	101.2	90.1	91.1	96.6	96.6	95.6
130°	110.4	115.0	110.4	110.4	105.8	109.4	104.8	99.3	106.7	108.5	107.6
132.5°	120.5	125.1	124.2	120.5	110.4	122.3	111.3	111.3	117.7	117.7	118.6
135°	133.4	132.4	137.0	126.9	126.0	130.6	133.4	128.8	130.6	126.9	127.8
137.5°	145.3	144.4	151.8	138.9	138.0	144.4	141.6	141.6	149.0	139.8	145.3
140°	157.3	151.8	161.9	148.1	151.8	163.7	162.8	153.6	163.7	160.9	161.9
142.5°	171.1	176.6	175.7	172.9	172.0	170.1	172.0	159.1	174.7	167.4	175.7
145°	183.9	188.5	190.4	185.8	184.9	186.7	191.3	178.4	191.3	181.2	183.0
147.5°	200.5	194.1	201.4	203.3	196.8	204.2	199.6	198.7	203.3	188.5	195.0
150°	208.8	205.1	213.4	216.1	208.8	210.6	213.4	209.7	215.2	206.0	213.4
152.5°	218.9	214.3	218.0	221.6	219.8	226.2	222.6	213.4	226.2	221.6	208.8
155°	229.0	232.7	229.9	231.8	224.4	229.9	233.6	229.9	234.5	227.2	241.9
157.5°	239.1	241.9	239.1	246.5	235.4	247.4	243.7	243.7	243.7	240.0	237.3
160°	247.4	249.2	252.0	250.2	242.8	246.5	252.0	252.9	252.0	241.9	252.9
162.5°	266.7	257.5	259.4	258.4	252.9	261.2	266.7	255.7	260.3	251.1	256.6
165°	290.6	264.0	266.7	269.5	257.5	267.6	266.7	254.8	275.9	259.4	260.3
167.5°	266.7	258.4	271.3	270.4	263.0	252.9	272.2	266.7	262.1	269.5	272.2
170°	272.2	263.0	270.4	275.9	275.0	275.9	286.0	271.3	275.9	270.4	271.3
172.5°	293.4	275.9	278.7	279.6	272.2	268.6	271.3	269.5	278.7	275.0	275.0
175°	277.8	276.8	281.4	282.4	275.9	269.5	273.2	283.3	281.4	283.3	278.7
177.5°	278.7	278.7	267.6	283.3	276.8	271.3	293.4	278.7	282.4	278.7	281.4
180°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	276.8	277.8	275.9	294.3	282.4	280.5	284.2	284.2	285.1	286.0
5°	275.0	276.8	285.1	286.0	277.8	292.5	283.3	288.8	284.2	286.0
7.5°	272.2	275.0	270.4	289.7	278.7	286.0	281.4	286.0	281.4	268.6
10°	267.6	265.8	266.7	292.5	275.0	273.2	279.6	277.8	286.9	281.4
12.5°	259.4	268.6	267.6	281.4	266.7	275.9	266.7	264.0	282.4	278.7
15°	251.1	263.0	263.0	271.3	265.8	259.4	263.0	270.4	268.6	274.1
17.5°	251.1	250.2	249.2	264.0	259.4	252.0	264.9	263.0	269.5	267.6
20°	248.3	241.9	241.9	256.6	251.1	250.2	275.9	254.8	262.1	252.0
22.5°	233.6	242.8	248.3	255.7	239.1	237.3	250.2	248.3	252.0	253.8
25°	232.7	209.7	233.6	238.2	229.0	234.5	250.2	240.0	236.4	244.6
27.5°	223.5	224.4	224.4	233.6	218.9	225.3	240.0	225.3	230.8	235.4
30°	213.4	214.3	205.1	227.2	219.8	214.3	219.8	219.8	216.1	224.4
32.5°	201.4	203.3	194.1	205.1	201.4	200.5	207.9	210.6	206.0	211.5
35°	183.0	175.7	189.5	196.8	190.4	181.2	196.8	195.9	198.7	198.7
37.5°	156.4	171.1	170.1	183.9	171.1	172.0	181.2	182.1	183.9	183.9
40°	155.4	150.8	163.7	167.4	161.9	163.7	170.1	165.5	159.1	171.1
42.5°	140.7	141.6	141.6	152.7	147.2	148.1	148.1	138.9	141.6	138.9
45°	133.4	129.7	133.4	137.0	127.8	128.8	128.8	104.8	91.1	87.4
47.5°	115.9	116.8	119.6	120.5	114.0	112.2	96.6	66.2	57.0	62.5
50°	109.4	110.4	107.6	113.1	106.7	94.7	66.2	52.4	48.7	50.6
52.5°	97.5	92.9	97.5	97.5	90.1	63.5	57.0	41.4	39.5	44.1
55°	84.6	89.2	88.3	87.4	70.8	48.7	50.6	35.9	31.3	31.3
57.5°	78.2	78.2	78.2	77.3	55.2	44.1	40.5	15.6	4.6	3.7
60°	69.9	65.3	69.9	65.3	46.0	38.6	22.1	1.8	0.0	0.0
62.5°	61.6	60.7	61.6	53.3	41.4	24.8	14.7	0.9	0.0	0.0
65°	53.3	53.3	54.3	46.0	35.9	16.6	12.0	0.0	0.0	0.0
67.5°	46.9	46.0	46.9	39.5	26.7	15.6	10.1	0.0	0.0	0.0
70°	39.5	40.5	40.5	33.1	24.8	12.9	8.3	0.9	0.0	0.0
72.5°	33.1	34.0	33.1	28.5	20.2	11.0	7.4	0.9	0.0	0.0
75°	26.7	27.6	26.7	23.0	16.6	8.3	5.5	0.9	0.0	0.0
77.5°	21.2	21.2	21.2	18.4	12.9	8.3	4.6	0.9	0.0	0.0
80°	15.6	16.6	15.6	13.8	10.1	6.4	3.7	0.0	0.0	0.0
82.5°	11.0	11.0	11.0	9.2	7.4	4.6	2.8	0.0	0.0	0.0
85°	6.4	7.4	7.4	6.4	4.6	2.8	1.8	0.0	0.0	0.0
87.5°	3.7	3.7	3.7	3.7	2.8	2.8	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°	3.7	3.7	3.7	3.7	2.8	2.8	0.9	0.0	0.0	0.0
95°	6.4	7.4	7.4	6.4	4.6	2.8	1.8	0.0	0.0	0.0
97.5°	11.0	11.0	11.0	9.2	7.4	4.6	2.8	0.0	0.0	0.0
100°	15.6	16.6	15.6	13.8	10.1	6.4	3.7	0.0	0.0	0.0
102.5°	21.2	21.2	21.2	18.4	12.9	8.3	4.6	0.9	0.0	0.0
105°	26.7	27.6	26.7	23.0	16.6	8.3	5.5	0.9	0.0	0.0
107.5°	33.1	34.0	33.1	28.5	20.2	11.0	7.4	0.9	0.0	0.0
110°	39.5	40.5	40.5	33.1	24.8	12.9	8.3	0.9	0.0	0.0





TEST NUMBER: P395012

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

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	46.9	46.0	46.9	39.5	26.7	15.6	10.1	0.0	0.0	0.0
115°	53.3	53.3	54.3	46.0	35.9	16.6	12.0	0.0	0.0	0.0
117.5°	61.6	60.7	61.6	53.3	41.4	24.8	14.7	0.9	0.0	0.0
120°	69.9	65.3	69.9	65.3	46.0	38.6	22.1	1.8	0.0	0.0
122.5°	78.2	78.2	78.2	77.3	55.2	44.1	40.5	15.6	4.6	3.7
125°	84.6	89.2	88.3	87.4	70.8	48.7	50.6	35.9	31.3	31.3
127.5°	97.5	92.9	97.5	97.5	90.1	63.5	57.0	41.4	39.5	44.1
130°	109.4	110.4	107.6	113.1	106.7	94.7	66.2	52.4	48.7	50.6
132.5°	115.9	116.8	119.6	120.5	114.0	112.2	96.6	66.2	57.0	62.5
135°	133.4	129.7	133.4	137.0	127.8	128.8	128.8	104.8	91.1	87.4
137.5°	140.7	141.6	141.6	152.7	147.2	148.1	148.1	138.9	141.6	138.9
140°	155.4	150.8	163.7	167.4	161.9	163.7	170.1	165.5	159.1	171.1
142.5°	156.4	171.1	170.1	183.9	171.1	172.0	181.2	182.1	183.9	183.9
145°	183.0	175.7	189.5	196.8	190.4	181.2	196.8	195.9	198.7	198.7
147.5°	201.4	203.3	194.1	205.1	201.4	200.5	207.9	210.6	206.0	211.5
150°	213.4	214.3	205.1	227.2	219.8	214.3	219.8	219.8	216.1	224.4
152.5°	223.5	224.4	224.4	233.6	218.9	225.3	240.0	225.3	230.8	235.4
155°	232.7	209.7	233.6	238.2	229.0	234.5	250.2	240.0	236.4	244.6
157.5°	233.6	242.8	248.3	255.7	239.1	237.3	250.2	248.3	252.0	253.8
160°	248.3	241.9	241.9	256.6	251.1	250.2	275.9	254.8	262.1	252.0
162.5°	251.1	250.2	249.2	264.0	259.4	252.0	264.9	263.0	269.5	267.6
165°	251.1	263.0	263.0	271.3	265.8	259.4	263.0	270.4	268.6	274.1
167.5°	259.4	268.6	267.6	281.4	266.7	275.9	266.7	264.0	282.4	278.7
170°	267.6	265.8	266.7	292.5	275.0	273.2	279.6	277.8	286.9	281.4
172.5°	272.2	275.0	270.4	289.7	278.7	286.0	281.4	286.0	281.4	268.6
175°	275.0	276.8	285.1	286.0	277.8	292.5	283.3	288.8	284.2	286.0
177.5°	276.8	277.8	275.9	294.3	282.4	280.5	284.2	284.2	285.1	286.0
180°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4

(END OF REPORT)