

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: P394987

Luminaire Tested: **303-W2-LEDB2-3000-UNV-T2-DIM10-CS**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-7)
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-T2-DIM10-CS
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 2
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1069.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: General Diffuse

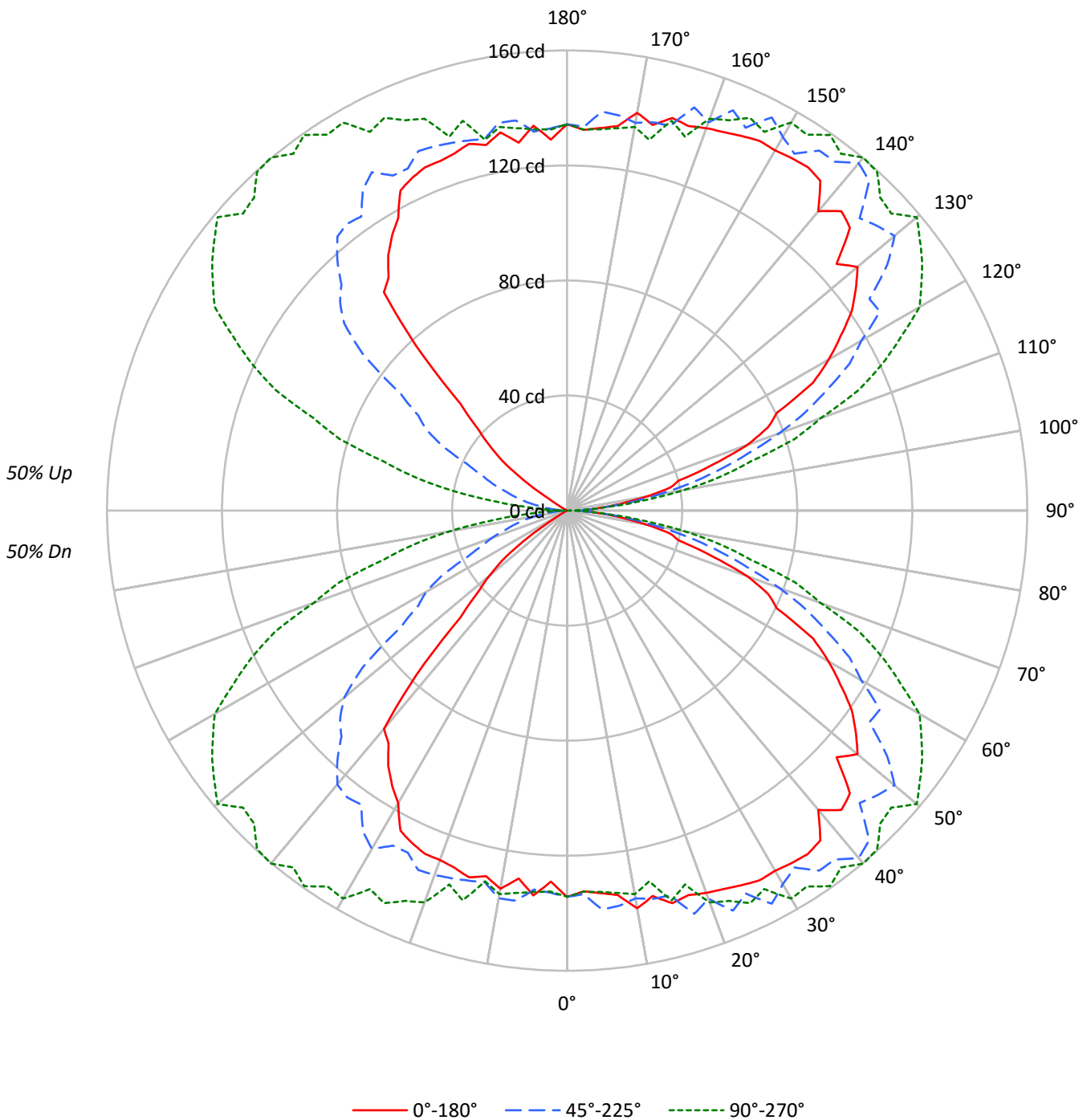
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	93	89	85	90	86	82	79	72	70	67	60	58	57	49	48	46	41
2	88	80	74	68	81	74	69	64	63	59	55	52	49	46	42	40	38	34
3	80	70	62	56	73	65	58	53	55	50	45	46	42	39	37	34	32	28
4	73	62	53	47	67	57	50	44	48	43	38	40	36	32	33	29	27	23
5	67	55	46	40	61	51	43	37	43	37	32	36	31	28	29	26	23	20
6	61	49	40	34	56	45	38	32	38	32	28	32	27	24	26	23	20	17
7	56	44	35	30	52	41	33	28	35	29	24	29	24	21	24	20	17	15
8	52	39	32	26	48	37	29	24	31	26	21	26	22	18	22	18	15	13
9	48	36	28	23	45	33	26	22	29	23	19	24	20	16	20	16	14	12
10	45	33	25	20	42	31	24	19	26	21	17	22	18	15	18	15	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18504	18504	18504
5°	18464	18408	18574
10°	19642	18943	18677
15°	20155	20012	18828
20°	20747	21260	18958
25°	21845	22894	19398
30°	23005	24787	18693
35°	24523	26810	18232
40°	24443	28813	17824
45°	27103	29987	10230
50°	28251	34017	7566
55°	29017	36200	4516
60°	28933	38991	689
65°	26244	39480	33
70°	26829	37746	40
75°	21400	35241	0
80°	22057	32928	79
85°	18654	22290	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	1.2
10°-20°	39.1	3.7
20°-30°	65.5	6.1
30°-40°	89.3	8.4
40°-50°	100.4	9.4
50°-60°	95.9	9.0
60°-70°	75.4	7.1
70°-80°	44.2	4.1
80°-90°	11.7	1.1
90°-100°	11.7	1.1
100°-110°	44.2	4.1
110°-120°	75.4	7.1
120°-130°	95.9	9.0
130°-140°	100.4	9.4
140°-150°	89.3	8.4
150°-160°	65.5	6.1
160°-170°	39.1	3.7
170°-180°	12.9	1.2
0°-30°	117.5	11.0
0°-40°	206.8	19.3
0°-60°	403.2	37.7
0°-90°	534.5	50.0
90°-120°	131.3	12.3
90°-150°	417.0	39.0
90°-180°	535.0	50.0
0°-180°	1069.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	134	134	134	134	134	
5°	134	139	133	132	134	13
15°	141	138	140	133	132	40
25°	144	147	151	131	128	66
35°	146	153	159	125	108	90
45°	139	144	154	111	52	105
55°	121	128	151	70	19	107
65°	80	100	121	39	0	84
75°	40	55	66	19	0	47
85°	12	13	14	4	0	13
90°	6	3	1	0	0	4
95°	12	13	14	4	0	13
105°	40	55	66	19	0	47
115°	80	100	121	39	0	84
125°	121	128	151	70	19	107
135°	139	144	154	111	52	105
145°	146	153	159	125	108	90
155°	144	147	151	131	128	66
165°	141	138	140	133	132	40
175°	134	139	133	132	134	13
180°	134	134	134	134	134	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3
2.5°	132.5	140.0	138.1	135.0	132.3	133.5	134.6	138.3	133.0	134.5	132.6
5°	133.5	133.0	136.3	131.0	133.4	139.2	126.5	132.4	133.7	134.9	133.1
7.5°	134.8	136.2	137.1	141.0	132.9	138.6	137.2	138.0	142.6	136.1	134.1
10°	140.4	144.1	139.2	129.3	134.2	136.9	139.2	138.1	139.1	137.4	135.4
12.5°	137.3	138.7	140.6	142.2	138.1	138.3	136.8	138.7	150.6	138.8	132.0
15°	141.3	151.7	142.2	140.1	140.0	138.5	143.1	141.6	141.8	141.0	140.3
17.5°	140.2	143.9	143.8	141.5	137.8	147.0	145.4	143.4	154.1	143.4	136.3
20°	141.5	145.5	145.3	143.1	143.8	143.6	138.7	145.6	146.4	141.3	145.0
22.5°	142.4	150.5	145.2	134.4	145.3	150.6	149.5	149.5	148.6	148.3	146.9
25°	143.7	147.2	145.7	140.3	137.4	146.9	147.8	154.3	151.6	151.3	150.6
27.5°	144.9	147.4	147.7	145.7	148.9	154.1	154.3	151.8	154.4	153.8	148.4
30°	144.6	147.8	148.4	147.2	139.6	150.0	153.2	154.8	155.4	155.9	155.8
32.5°	145.3	153.4	150.3	143.3	146.3	147.1	155.2	159.9	161.0	158.1	155.0
35°	145.8	147.8	149.1	143.5	152.8	152.8	157.3	157.5	161.5	159.1	159.4
37.5°	144.6	146.9	144.7	148.4	147.1	152.9	160.5	157.5	159.7	162.1	156.4
40°	135.9	148.5	143.1	143.3	146.6	157.7	160.2	162.9	162.3	158.6	160.2
42.5°	141.2	145.5	144.5	144.7	144.9	155.4	157.3	161.9	158.8	162.6	159.6
45°	139.1	143.0	142.2	142.7	148.3	143.8	157.7	155.4	158.8	158.8	153.9
47.5°	127.0	143.4	139.4	140.6	145.7	146.4	155.9	154.8	162.3	159.0	152.9
50°	131.8	138.7	130.3	136.8	142.9	148.6	153.1	156.7	156.4	153.0	158.7
52.5°	126.5	126.4	129.8	127.1	135.2	140.3	149.4	148.3	155.0	159.5	154.6
55°	120.8	119.4	123.4	111.9	129.3	128.3	144.5	155.2	156.3	142.7	150.7
57.5°	112.7	115.7	118.0	118.3	120.1	128.9	137.9	144.5	147.2	145.9	146.0
60°	105.0	103.7	109.6	106.5	114.7	118.2	134.8	133.8	140.7	140.3	141.5
62.5°	96.4	94.8	97.9	101.7	107.3	110.7	125.3	125.5	132.6	136.1	130.9
65°	80.5	85.8	88.8	91.1	97.3	99.9	111.4	113.1	119.5	121.5	121.1
67.5°	75.6	74.9	78.4	79.1	85.1	89.9	105.1	103.1	108.3	114.2	109.8
70°	66.6	65.1	68.0	69.1	74.9	78.5	86.2	90.0	95.2	97.9	93.7
72.5°	53.1	54.6	59.3	59.9	62.8	65.9	77.9	76.9	85.1	86.5	83.0
75°	40.2	44.9	47.7	48.0	51.4	54.8	63.6	65.4	72.3	69.1	66.2
77.5°	36.6	35.5	37.9	39.1	41.3	43.9	48.3	50.2	57.6	54.7	54.8
80°	27.8	26.6	28.4	28.4	30.9	32.4	35.1	37.3	40.8	40.1	41.5
82.5°	19.3	19.1	19.9	20.1	21.3	22.5	24.2	25.5	26.9	27.2	26.6
85°	11.8	11.9	12.9	12.8	12.5	12.8	13.4	14.2	14.4	14.5	14.1
87.5°	7.3	7.4	7.3	6.9	6.5	5.9	5.6	5.5	5.9	5.2	5.0
90°	5.7	5.3	5.3	4.8	4.2	3.3	2.6	1.7	1.5	0.6	0.6
92.5°	7.3	7.4	7.3	6.9	6.5	5.9	5.6	5.5	5.9	5.2	5.0
95°	11.8	11.9	12.9	12.8	12.5	12.8	13.4	14.2	14.4	14.5	14.1
97.5°	19.3	19.1	19.9	20.1	21.3	22.5	24.2	25.5	26.9	27.2	26.6
100°	27.8	26.6	28.4	28.4	30.9	32.4	35.1	37.3	40.8	40.1	41.5
102.5°	36.6	35.5	37.9	39.1	41.3	43.9	48.3	50.2	57.6	54.7	54.8
105°	40.2	44.9	47.7	48.0	51.4	54.8	63.6	65.4	72.3	69.1	66.2
107.5°	53.1	54.6	59.3	59.9	62.8	65.9	77.9	76.9	85.1	86.5	83.0
110°	66.6	65.1	68.0	69.1	74.9	78.5	86.2	90.0	95.2	97.9	93.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	75.6	74.9	78.4	79.1	85.1	89.9	105.1	103.1	108.3	114.2	109.8
115°	80.5	85.8	88.8	91.1	97.3	99.9	111.4	113.1	119.5	121.5	121.1
117.5°	96.4	94.8	97.9	101.7	107.3	110.7	125.3	125.5	132.6	136.1	130.9
120°	105.0	103.7	109.6	106.5	114.7	118.2	134.8	133.8	140.7	140.3	141.5
122.5°	112.7	115.7	118.0	118.3	120.1	128.9	137.9	144.5	147.2	145.9	146.0
125°	120.8	119.4	123.4	111.9	129.3	128.3	144.5	155.2	156.3	142.7	150.7
127.5°	126.5	126.4	129.8	127.1	135.2	140.3	149.4	148.3	155.0	159.5	154.6
130°	131.8	138.7	130.3	136.8	142.9	148.6	153.1	156.7	156.4	153.0	158.7
132.5°	127.0	143.4	139.4	140.6	145.7	146.4	155.9	154.8	162.3	159.0	152.9
135°	139.1	143.0	142.2	142.7	148.3	143.8	157.7	155.4	158.8	158.8	153.9
137.5°	141.2	145.5	144.5	144.7	144.9	155.4	157.3	161.9	158.8	162.6	159.6
140°	135.9	148.5	143.1	143.3	146.6	157.7	160.2	162.9	162.3	158.6	160.2
142.5°	144.6	146.9	144.7	148.4	147.1	152.9	160.5	157.5	159.7	162.1	156.4
145°	145.8	147.8	149.1	143.5	152.8	152.8	157.3	157.5	161.5	159.1	159.4
147.5°	145.3	153.4	150.3	143.3	146.3	147.1	155.2	159.9	161.0	158.1	155.0
150°	144.6	147.8	148.4	147.2	139.6	150.0	153.2	154.8	155.4	155.9	155.8
152.5°	144.9	147.4	147.7	145.7	148.9	154.1	154.3	151.8	154.4	153.8	148.4
155°	143.7	147.2	145.7	140.3	137.4	146.9	147.8	154.3	151.6	151.3	150.6
157.5°	142.4	150.5	145.2	134.4	145.3	150.6	149.5	149.5	148.6	148.3	146.9
160°	141.5	145.5	145.3	143.1	143.8	143.6	138.7	145.6	146.4	141.3	145.0
162.5°	140.2	143.9	143.8	141.5	137.8	147.0	145.4	143.4	154.1	143.4	136.3
165°	141.3	151.7	142.2	140.1	140.0	138.5	143.1	141.6	141.8	141.0	140.3
167.5°	137.3	138.7	140.6	142.2	138.1	138.3	136.8	138.7	150.6	138.8	132.0
170°	140.4	144.1	139.2	129.3	134.2	136.9	139.2	138.1	139.1	137.4	135.4
172.5°	134.8	136.2	137.1	141.0	132.9	138.6	137.2	138.0	142.6	136.1	134.1
175°	133.5	133.0	136.3	131.0	133.4	139.2	126.5	132.4	133.7	134.9	133.1
177.5°	132.5	140.0	138.1	135.0	132.3	133.5	134.6	138.3	133.0	134.5	132.6
180°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3
2.5°	136.0	134.4	131.8	134.3	133.0	127.5	131.2	139.0	133.7	129.1
5°	136.2	134.2	131.5	133.3	132.3	132.0	132.9	134.1	132.5	134.3
7.5°	137.2	133.7	131.7	133.6	136.8	134.2	130.0	136.9	130.9	129.0
10°	138.6	134.7	132.3	129.8	136.9	129.3	129.8	131.6	130.3	133.5
12.5°	136.3	136.4	133.2	134.6	132.3	126.9	125.4	130.9	130.2	130.2
15°	142.6	138.1	138.0	135.9	133.2	134.4	129.2	130.2	129.7	132.0
17.5°	144.7	140.7	138.2	137.5	134.0	129.9	128.9	129.3	129.0	130.2
20°	150.4	141.9	140.2	139.0	134.8	134.9	128.5	128.0	124.7	129.3
22.5°	146.9	146.1	140.3	140.4	135.3	131.2	127.7	126.4	122.6	129.2
25°	152.9	145.0	143.3	141.9	131.2	130.8	126.6	124.9	124.2	127.6
27.5°	153.3	146.8	145.0	138.2	131.3	128.0	122.9	121.7	116.4	125.5
30°	167.5	153.4	139.6	143.8	135.8	131.7	122.9	120.0	113.1	117.5
32.5°	159.1	150.2	142.6	144.2	132.2	129.0	119.8	118.3	109.1	113.3
35°	165.5	154.3	148.2	142.6	124.8	125.7	115.8	110.2	110.7	108.4
37.5°	166.9	156.4	147.9	138.1	125.7	121.5	108.1	104.6	102.7	102.0
40°	159.5	154.6	143.4	140.5	124.3	116.1	99.8	97.3	90.2	99.1
42.5°	160.4	153.6	143.2	133.5	118.3	109.5	96.9	85.7	79.0	77.8
45°	156.8	151.8	136.9	128.3	111.0	101.8	79.6	58.4	51.5	52.5
47.5°	155.1	139.6	137.3	122.9	107.1	90.6	61.9	49.9	43.8	42.1
50°	152.9	146.3	124.4	118.0	101.2	69.7	48.2	39.2	34.6	35.3
52.5°	153.5	143.8	128.2	111.7	89.7	58.1	45.6	32.6	29.3	28.3
55°	145.6	134.6	122.6	104.3	70.5	50.8	38.8	25.6	20.5	18.8
57.5°	140.4	130.6	115.6	95.0	61.3	43.7	29.2	10.8	7.6	7.4
60°	137.3	126.0	107.8	84.4	56.6	36.8	17.8	6.1	3.2	2.5
62.5°	129.3	114.8	95.2	70.7	49.2	24.7	13.7	2.9	0.2	0.2
65°	114.5	104.4	82.8	60.4	38.6	20.0	10.0	1.7	0.1	0.1
67.5°	104.1	87.8	76.3	53.8	31.9	16.6	9.1	1.7	0.0	0.0
70°	91.3	85.3	66.2	45.9	27.9	13.9	7.5	1.4	0.1	0.1
72.5°	78.4	70.4	58.4	39.5	22.8	11.8	6.2	1.4	0.2	0.2
75°	63.9	59.7	46.2	30.8	19.0	9.7	5.0	1.1	0.1	0.0
77.5°	49.2	46.4	37.4	25.4	15.2	7.8	4.0	0.8	0.0	0.0
80°	39.0	34.5	26.5	17.4	11.0	5.6	2.8	0.6	0.1	0.1
82.5°	25.6	21.9	17.9	12.3	7.5	3.6	1.9	0.3	0.0	0.1
85°	13.4	11.8	9.9	6.5	4.2	2.1	1.1	0.3	0.0	0.0
87.5°	5.0	4.1	3.5	2.4	1.6	0.8	0.4	0.1	0.0	0.0
90°	0.6	0.7	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
92.5°	5.0	4.1	3.5	2.4	1.6	0.8	0.4	0.1	0.0	0.0
95°	13.4	11.8	9.9	6.5	4.2	2.1	1.1	0.3	0.0	0.0
97.5°	25.6	21.9	17.9	12.3	7.5	3.6	1.9	0.3	0.0	0.1
100°	39.0	34.5	26.5	17.4	11.0	5.6	2.8	0.6	0.1	0.1
102.5°	49.2	46.4	37.4	25.4	15.2	7.8	4.0	0.8	0.0	0.0
105°	63.9	59.7	46.2	30.8	19.0	9.7	5.0	1.1	0.1	0.0
107.5°	78.4	70.4	58.4	39.5	22.8	11.8	6.2	1.4	0.2	0.2
110°	91.3	85.3	66.2	45.9	27.9	13.9	7.5	1.4	0.1	0.1



TEST NUMBER: P394987

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	104.1	87.8	76.3	53.8	31.9	16.6	9.1	1.7	0.0	0.0
115°	114.5	104.4	82.8	60.4	38.6	20.0	10.0	1.7	0.1	0.1
117.5°	129.3	114.8	95.2	70.7	49.2	24.7	13.7	2.9	0.2	0.2
120°	137.3	126.0	107.8	84.4	56.6	36.8	17.8	6.1	3.2	2.5
122.5°	140.4	130.6	115.6	95.0	61.3	43.7	29.2	10.8	7.6	7.4
125°	145.6	134.6	122.6	104.3	70.5	50.8	38.8	25.6	20.5	18.8
127.5°	153.5	143.8	128.2	111.7	89.7	58.1	45.6	32.6	29.3	28.3
130°	152.9	146.3	124.4	118.0	101.2	69.7	48.2	39.2	34.6	35.3
132.5°	155.1	139.6	137.3	122.9	107.1	90.6	61.9	49.9	43.8	42.1
135°	156.8	151.8	136.9	128.3	111.0	101.8	79.6	58.4	51.5	52.5
137.5°	160.4	153.6	143.2	133.5	118.3	109.5	96.9	85.7	79.0	77.8
140°	159.5	154.6	143.4	140.5	124.3	116.1	99.8	97.3	90.2	99.1
142.5°	166.9	156.4	147.9	138.1	125.7	121.5	108.1	104.6	102.7	102.0
145°	165.5	154.3	148.2	142.6	124.8	125.7	115.8	110.2	110.7	108.4
147.5°	159.1	150.2	142.6	144.2	132.2	129.0	119.8	118.3	109.1	113.3
150°	167.5	153.4	139.6	143.8	135.8	131.7	122.9	120.0	113.1	117.5
152.5°	153.3	146.8	145.0	138.2	131.3	128.0	122.9	121.7	116.4	125.5
155°	152.9	145.0	143.3	141.9	131.2	130.8	126.6	124.9	124.2	127.6
157.5°	146.9	146.1	140.3	140.4	135.3	131.2	127.7	126.4	122.6	129.2
160°	150.4	141.9	140.2	139.0	134.8	134.9	128.5	128.0	124.7	129.3
162.5°	144.7	140.7	138.2	137.5	134.0	129.9	128.9	129.3	129.0	130.2
165°	142.6	138.1	138.0	135.9	133.2	134.4	129.2	130.2	129.7	132.0
167.5°	136.3	136.4	133.2	134.6	132.3	126.9	125.4	130.9	130.2	130.2
170°	138.6	134.7	132.3	129.8	136.9	129.3	129.8	131.6	130.3	133.5
172.5°	137.2	133.7	131.7	133.6	136.8	134.2	130.0	136.9	130.9	129.0
175°	136.2	134.2	131.5	133.3	132.3	132.0	132.9	134.1	132.5	134.3
177.5°	136.0	134.4	131.8	134.3	133.0	127.5	131.2	139.0	133.7	129.1
180°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3

(END OF REPORT)