

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: P394969

Luminaire Tested: **303-W1-LEDB2-3500-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394969  
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-W1-LEDB2-3500-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, TWO LIGHTBARS, TYPE 5 WITH EDGE GLOW  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

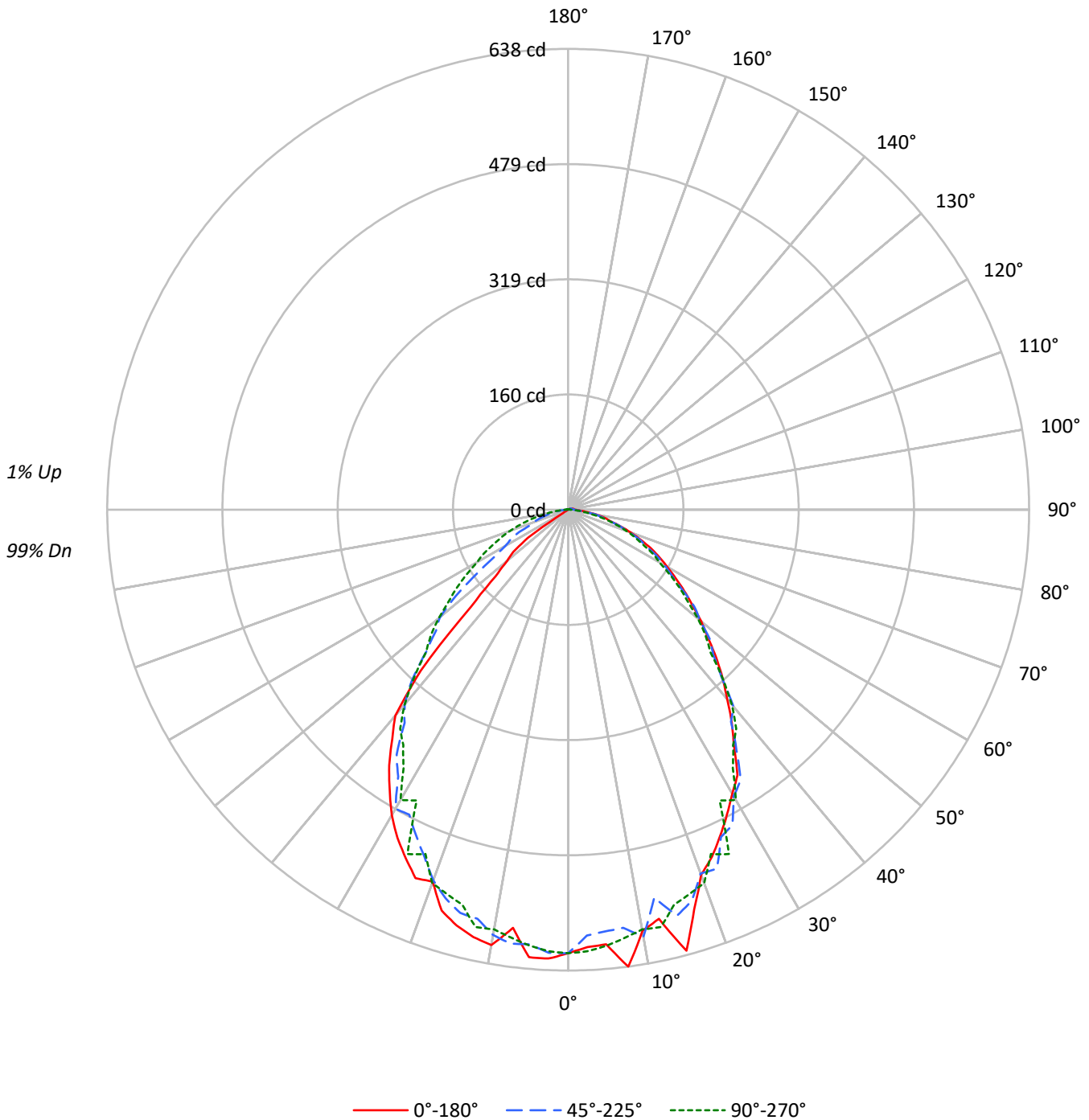
Lumens per Lamp: N/A  
Luminaire Lumens: 1234.1 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')  
CIE Type: Direct

Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (Ain): 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: 24 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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99					99			
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86					86			
2	102	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65					65			
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57					57			
5	80	69	61	55	78	68	60	54	65	59	54	64	58	53	62	57	52	50					50			
6	75	63	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45					45			
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40					40			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37					37			
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33					33			
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31					31			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	42299	42299	42299
5°	41681	41809	42923
10°	41238	41079	42631
15°	44786	40081	42235
20°	39100	39934	39827
25°	37435	39491	39991
30°	35621	36350	38289
35°	33084	32858	35730
40°	30149	30962	32793
45°	27591	26381	18077
50°	25007	24306	11461
55°	22761	21752	7897
60°	20900	19228	0
65°	19534	17578	0
70°	17384	16140	0
75°	14657	13556	0
80°	13968	10338	0
85°	11165	7269	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.8	4.7
10°-20°	161.8	13.1
20°-30°	233.6	18.9
30°-40°	254.6	20.6
40°-50°	213.4	17.3
50°-60°	148.6	12.0
60°-70°	92.8	7.5
70°-80°	49.1	4.0
80°-90°	14.6	1.2
90°-100°	4.0	0.3
100°-110°	2.7	0.2
110°-120°	1.1	0.1
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	453.1	36.7
0°-40°	707.7	57.3
0°-60°	1069.7	86.7
0°-90°	1226.2	99.4
90°-120°	7.8	0.6
90°-150°	7.9	0.6
90°-180°	8.0	0.6
0°-180°	1234.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	614	614	614	614	614	
5°	604	586	606	604	622	59
15°	632	582	566	578	596	167
25°	498	500	526	498	532	229
35°	400	406	398	414	432	251
45°	290	284	278	278	190	223
55°	196	192	188	154	68	176
65°	126	118	114	78	0	124
75°	60	58	56	34	0	66
85°	18	16	12	8	0	20
90°	10	8	2	2	0	6
95°	8	6	2	2	0	6
105°	6	4	2	2	0	6
115°	2	2	2	0	0	3
125°	0	0	0	0	0	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P394969

CATALOG NUMBER: 303-W1-LEDB2-3500-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	614	614	614	614	614	614	614	614	614	614	614
2.5°	606	606	582	616	602	590	638	606	614	606	612
5°	604	602	612	614	600	586	594	616	612	616	606
7.5°	638	600	606	608	592	584	590	586	606	598	598
10°	592	572	588	600	598	600	622	590	600	588	590
12.5°	580	562	590	588	572	550	592	580	570	586	592
15°	632	574	580	586	560	582	580	554	600	564	566
17.5°	580	560	564	562	550	568	580	556	566	546	558
20°	538	542	548	544	528	536	548	550	548	526	550
22.5°	520	526	520	536	512	538	530	530	530	522	516
25°	498	506	500	504	488	500	508	500	510	494	526
27.5°	476	466	474	482	478	492	484	464	492	482	454
30°	454	446	464	470	454	458	464	456	468	448	464
32.5°	436	422	438	442	428	444	434	432	442	410	424
35°	400	410	414	404	402	406	416	388	416	394	398
37.5°	372	384	382	376	374	370	374	346	380	364	382
40°	342	330	352	322	330	356	354	334	356	350	352
42.5°	316	314	330	302	300	314	308	308	324	304	316
45°	290	288	298	276	274	284	290	280	284	276	278
47.5°	262	272	270	262	240	266	242	242	256	256	258
50°	240	250	240	240	230	238	228	216	232	236	234
52.5°	216	216	222	216	208	220	196	198	210	210	208
55°	196	204	202	196	194	192	182	186	184	190	188
57.5°	176	178	184	188	176	170	164	162	168	168	166
60°	158	164	164	162	150	154	142	148	144	146	146
62.5°	142	146	154	142	140	138	128	132	128	134	132
65°	126	130	132	128	124	118	116	112	116	116	114
67.5°	108	112	110	108	104	106	102	100	96	96	100
70°	92	96	94	94	90	88	84	82	80	84	86
72.5°	74	82	78	78	76	74	72	68	68	70	70
75°	60	68	68	64	64	58	58	58	56	56	56
77.5°	52	52	52	50	48	48	44	46	42	42	42
80°	40	40	40	38	36	38	34	34	32	32	30
82.5°	28	30	28	28	26	26	24	24	22	22	20
85°	18	20	20	20	18	16	16	14	12	12	12
87.5°	14	14	12	12	12	10	10	8	6	6	6
90°	10	12	10	10	8	8	6	6	4	2	2
92.5°	8	10	10	8	8	8	6	4	4	2	2
95°	8	8	8	8	8	6	6	4	2	2	2
97.5°	8	8	8	8	6	6	6	4	2	2	2
100°	6	6	6	6	6	6	4	4	2	2	2
102.5°	6	6	6	6	6	4	4	4	2	2	2
105°	6	6	6	4	4	4	4	4	2	2	2
107.5°	4	4	4	4	4	4	4	2	2	2	2
110°	4	4	4	4	4	4	2	2	2	2	2



TEST NUMBER: P394969

CATALOG NUMBER: 303-W1-LEDB2-3500-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4	4	2	2	2	2	2	2	2	2	2
115°	2	2	2	2	2	2	2	2	2	0	2
117.5°	2	2	2	2	2	2	2	2	2	0	0
120°	2	2	2	2	0	0	2	2	2	0	0
122.5°	2	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: 303-W1-LEDB2-3500-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	614	614	614	614	614	614	614	614	614	614
2.5°	602	604	600	640	614	610	618	618	620	622
5°	598	602	620	622	604	636	616	628	618	622
7.5°	592	598	588	630	606	622	612	622	612	584
10°	582	578	580	636	598	594	608	604	624	612
12.5°	564	584	582	612	580	600	580	574	614	606
15°	546	572	572	590	578	564	572	588	584	596
17.5°	546	544	542	574	564	548	576	572	586	582
20°	540	526	526	558	546	544	600	554	570	548
22.5°	508	528	540	556	520	516	544	540	548	552
25°	506	456	508	518	498	510	544	522	514	532
27.5°	486	488	488	508	476	490	522	490	502	512
30°	464	466	446	494	478	466	478	478	470	488
32.5°	438	442	422	446	438	436	452	458	448	460
35°	398	382	412	428	414	394	428	426	432	432
37.5°	340	372	370	400	372	374	394	396	400	400
40°	338	328	356	364	352	356	370	360	346	372
42.5°	306	308	308	332	320	322	322	302	308	302
45°	290	282	290	298	278	280	280	228	198	190
47.5°	252	254	260	262	248	244	210	144	124	136
50°	238	240	234	246	232	206	144	114	106	110
52.5°	212	202	212	212	196	138	124	90	86	96
55°	184	194	192	190	154	106	110	78	68	68
57.5°	170	170	170	168	120	96	88	34	10	8
60°	152	142	152	142	100	84	48	4	0	0
62.5°	134	132	134	116	90	54	32	2	0	0
65°	116	116	118	100	78	36	26	0	0	0
67.5°	100	98	102	86	58	34	22	0	0	0
70°	84	86	86	70	52	28	18	2	0	0
72.5°	70	72	70	60	42	24	16	2	0	0
75°	56	58	56	48	34	18	12	2	0	0
77.5°	44	44	44	38	26	16	10	2	0	0
80°	32	34	32	28	20	12	8	0	0	0
82.5°	22	22	22	18	14	8	6	0	0	0
85°	12	14	14	12	8	4	4	0	0	0
87.5°	6	6	6	6	4	4	2	0	0	0
90°	2	2	2	2	2	2	0	0	0	0
92.5°	2	2	2	2	2	2	0	0	0	0
95°	2	2	2	2	2	2	0	0	0	0
97.5°	2	2	2	2	2	2	0	0	0	0
100°	2	2	2	2	2	2	0	0	0	0
102.5°	2	2	2	2	2	2	0	0	0	0
105°	2	2	2	2	2	0	0	0	0	0
107.5°	2	2	2	2	2	0	0	0	0	0
110°	2	2	2	2	2	0	0	0	0	0





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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2	2	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)