

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: P394940

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

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394940
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-W1-LEDB2-3500-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, TWO LIGHTBARS, TYPE 5
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

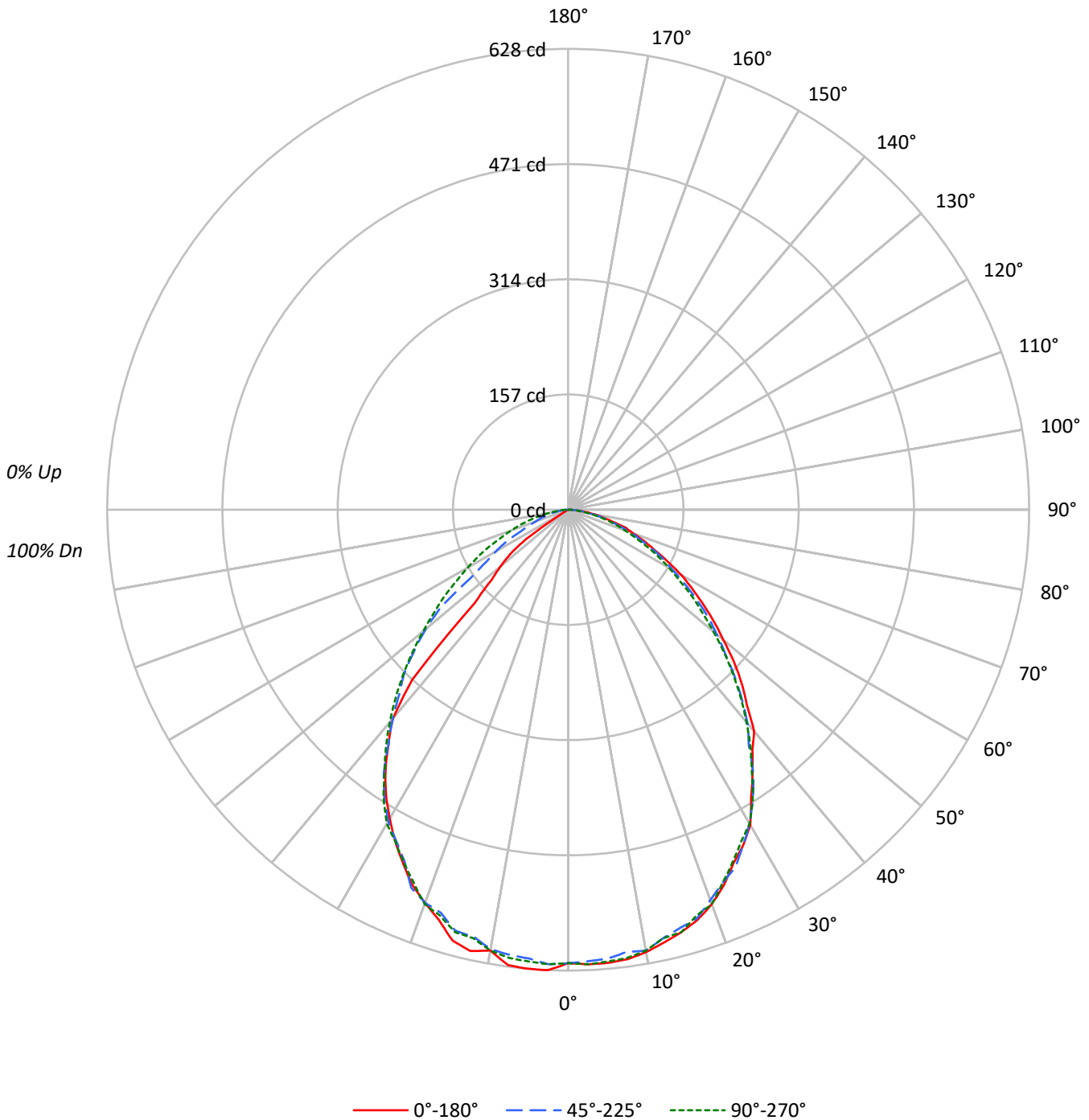
Lumens per Lamp: N/A
Luminaire Lumens: 1293.7 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

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	102	102	102	100					100			
1	110	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89					87				
2	102	95	89	84	99	93	87	83	89	85	81	86	83	79	83	80	77					75				
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68					66				
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60					58				
5	81	69	61	55	79	68	60	54	66	59	54	64	58	53	62	57	53					51				
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47					45				
7	70	57	49	44	68	56	49	43	55	48	43	54	47	43	52	47	43					41				
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	39					37				
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35					33				
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32					31				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	42574	42574	42574
5°	42875	42737	43428
10°	42811	42671	42671
15°	42507	42507	43363
20°	41934	41934	41787
25°	40438	40286	40438
30°	39456	39296	38660
35°	36836	36667	36499
40°	35432	33993	33454
45°	32540	30981	17537
50°	29580	27651	12861
55°	26904	24742	8407
60°	24525	21769	551
65°	21191	19235	0
70°	18934	16517	0
75°	16503	14373	0
80°	14282	11108	0
85°	11066	7904	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	4.5
10°-20°	167.3	12.9
20°-30°	245.1	18.9
30°-40°	272.0	21.0
40°-50°	235.4	18.2
50°-60°	162.8	12.6
60°-70°	95.0	7.3
70°-80°	46.5	3.6
80°-90°	11.1	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	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°	471.0	36.4
0°-40°	743.0	57.4
0°-60°	1141.1	88.2
0°-90°	1293.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1293.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	618	618	618	618	618	
5°	620	614	618	614	628	59
15°	596	590	596	594	608	168
25°	532	538	530	528	532	246
35°	438	440	436	438	434	275
45°	334	320	318	316	180	257
55°	224	214	206	162	70	201
65°	130	126	118	74	0	131
75°	62	58	54	30	0	68
85°	14	14	10	6	0	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	618	618	618	618	618	618	618	618	618	618	618
2.5°	620	608	608	616	624	616	626	616	620	614	620
5°	620	612	610	606	616	614	628	616	616	618	618
7.5°	618	610	608	606	604	608	632	620	614	616	616
10°	612	604	602	586	608	610	612	606	608	604	610
12.5°	604	598	590	600	596	598	602	624	602	598	598
15°	596	582	584	592	588	590	592	592	594	594	596
17.5°	586	578	574	574	582	584	582	596	582	584	580
20°	572	556	562	566	576	566	574	568	570	558	572
22.5°	554	536	538	540	548	550	558	550	554	542	550
25°	532	528	528	532	540	538	544	540	534	530	530
27.5°	516	508	508	498	514	516	518	518	504	510	510
30°	496	480	484	490	490	494	490	494	490	490	494
32.5°	464	456	456	460	464	468	472	466	464	466	468
35°	438	436	434	438	446	440	436	450	426	434	436
37.5°	412	410	408	404	408	404	408	406	402	408	408
40°	394	382	376	376	380	380	376	378	370	374	378
42.5°	360	362	356	354	350	350	348	348	348	342	348
45°	334	328	328	326	322	320	318	312	318	316	318
47.5°	306	304	298	296	296	290	286	286	284	284	288
50°	276	274	272	270	270	264	258	256	252	256	258
52.5°	250	248	242	244	244	240	230	228	232	230	230
55°	224	226	220	218	216	214	208	204	204	204	206
57.5°	200	200	196	194	190	188	186	180	180	178	180
60°	178	176	172	172	170	164	162	158	158	156	158
62.5°	152	148	152	148	148	146	142	138	134	134	138
65°	130	132	130	128	128	126	122	118	114	116	118
67.5°	112	112	110	108	110	106	102	100	98	98	98
70°	94	94	94	92	90	90	86	84	82	82	82
72.5°	82	78	76	74	74	72	70	68	66	68	68
75°	62	62	62	60	60	58	56	54	54	52	54
77.5°	48	48	48	46	46	44	42	42	40	40	40
80°	36	36	36	34	34	32	30	28	30	30	28
82.5°	24	24	24	22	22	22	20	20	18	18	18
85°	14	14	14	14	14	14	12	10	10	10	10
87.5°	8	8	8	8	8	6	6	4	4	4	4
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	618	618	618	618	618	618	618	618	618	618
2.5°	616	616	616	620	620	602	622	622	614	628
5°	620	614	620	612	614	610	616	616	610	628
7.5°	616	618	612	618	612	610	628	616	616	626
10°	612	612	608	606	608	612	622	612	606	610
12.5°	604	606	610	602	596	606	610	606	594	616
15°	604	598	598	592	594	598	602	598	594	608
17.5°	586	584	584	580	576	588	598	586	586	586
20°	572	574	576	568	570	566	574	572	574	570
22.5°	560	556	556	556	558	558	558	556	536	554
25°	534	538	540	532	528	538	540	528	536	532
27.5°	512	512	518	512	508	504	524	516	504	510
30°	488	490	496	488	490	494	496	490	492	486
32.5°	468	462	472	464	466	466	468	462	456	462
35°	434	440	440	432	438	434	438	434	436	434
37.5°	410	402	412	406	402	404	410	400	406	402
40°	374	376	382	374	372	368	376	376	366	372
42.5°	354	344	352	346	340	348	346	332	304	314
45°	318	314	320	308	316	310	298	220	186	180
47.5°	284	280	290	282	284	276	202	148	142	142
50°	262	256	262	252	254	194	158	124	120	120
52.5°	232	232	236	226	218	144	134	106	104	100
55°	206	206	208	204	162	124	114	84	72	70
57.5°	178	180	182	176	132	106	88	24	12	10
60°	156	156	158	142	114	86	44	8	4	4
62.5°	138	136	138	116	96	50	34	4	0	0
65°	116	116	118	96	74	38	26	2	0	0
67.5°	98	98	100	82	58	32	22	2	0	0
70°	82	82	82	68	48	26	18	2	0	0
72.5°	66	66	66	56	40	22	14	0	0	0
75°	54	54	52	44	30	18	12	0	0	0
77.5°	40	40	42	34	24	12	8	0	0	0
80°	28	28	28	24	18	10	6	0	0	0
82.5°	18	18	20	16	12	6	4	0	0	0
85°	10	10	10	8	6	4	2	0	0	0
87.5°	4	4	4	4	2	2	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)