

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: G3-2001-660-12

Luminaire Tested: **303-W1-LEDB1-3500-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: G3-2001-660-12
Test Lab: INNOVATION CENTER (G3)
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-W1-LEDB1-3500-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

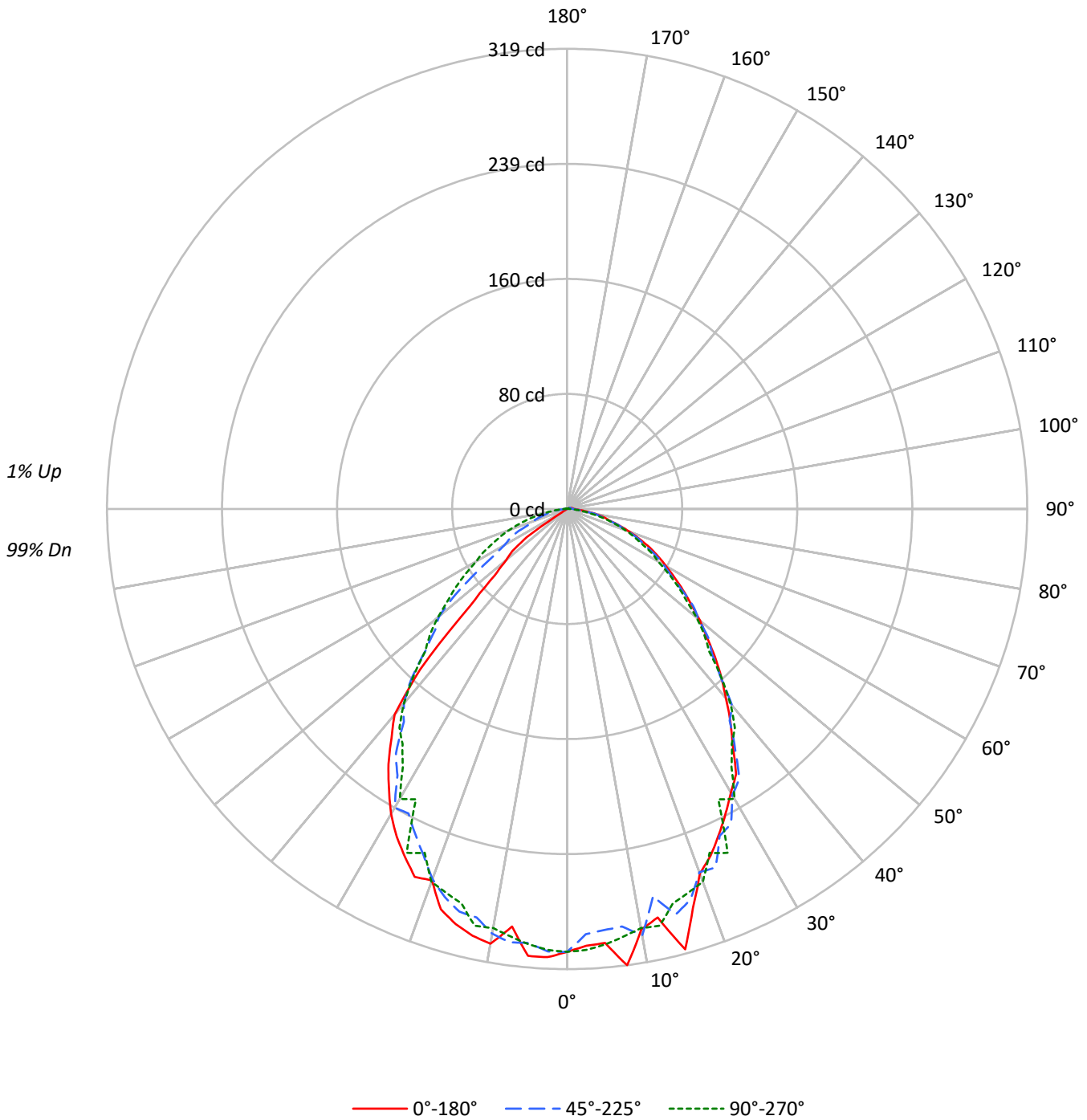
Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99				
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86				
2	102	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75				
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65				
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57				
5	80	69	61	55	78	68	60	54	65	59	54	64	58	53	62	57	52	50				
6	75	63	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45				
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40				
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	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	33	43	37	32	42	36	32	31				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	42298	42298	42298
5°	41768	41906	43013
10°	41412	41272	42811
15°	45074	40367	42506
20°	39441	40321	40174
25°	37853	39982	40438
30°	36114	36910	38819
35°	33639	33471	36330
40°	30756	31655	33453
45°	28253	27084	18511
50°	25721	25078	11789
55°	23541	22580	8167
60°	21769	20116	0
65°	20539	18583	0
70°	18530	17322	0
75°	15970	14905	0
80°	15869	11902	0
85°	14227	9485	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	4.7
10°-20°	80.9	13.1
20°-30°	116.8	18.9
30°-40°	127.3	20.6
40°-50°	106.7	17.3
50°-60°	74.3	12.0
60°-70°	46.4	7.5
70°-80°	24.6	4.0
80°-90°	7.3	1.2
90°-100°	2.0	0.3
100°-110°	1.4	0.2
110°-120°	0.6	0.1
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°	226.6	36.7
0°-40°	353.9	57.3
0°-60°	534.9	86.7
0°-90°	613.1	99.4
90°-120°	3.9	0.6
90°-150°	4.0	0.6
90°-180°	4.0	0.6
0°-180°	617.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	307	307	307	307	307	
5°	302	293	303	302	311	29
15°	316	291	283	289	298	83
25°	249	250	263	249	266	115
35°	200	203	199	207	216	125
45°	145	142	139	139	95	112
55°	98	96	94	77	34	88
65°	63	59	57	39	0	62
75°	30	29	28	17	0	33
85°	9	8	6	4	0	10
90°	5	4	1	1	0	3
95°	4	3	1	1	0	3
105°	3	2	1	1	0	3
115°	1	1	1	0	0	1
125°	0	0	0	0	0	0
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	307	307	307	307	307	307	307	307	307	307	307
2.5°	303	303	291	308	301	295	319	303	307	303	306
5°	302	301	306	307	300	293	297	308	306	308	303
7.5°	319	300	303	304	296	292	295	293	303	299	299
10°	296	286	294	300	299	300	311	295	300	294	295
12.5°	290	281	295	294	286	275	296	290	285	293	296
15°	316	287	290	293	280	291	290	277	300	282	283
17.5°	290	280	282	281	275	284	290	278	283	273	279
20°	269	271	274	272	264	268	274	275	274	263	275
22.5°	260	263	260	268	256	269	265	265	265	261	258
25°	249	253	250	252	244	250	254	250	255	247	263
27.5°	238	233	237	241	239	246	242	232	246	241	227
30°	227	223	232	235	227	229	232	228	234	224	232
32.5°	218	211	219	221	214	222	217	216	221	205	212
35°	200	205	207	202	201	203	208	194	208	197	199
37.5°	186	192	191	188	187	185	187	173	190	182	191
40°	171	165	176	161	165	178	177	167	178	175	176
42.5°	158	157	165	151	150	157	154	154	162	152	158
45°	145	144	149	138	137	142	145	140	142	138	139
47.5°	131	136	135	131	120	133	121	121	128	128	129
50°	120	125	120	120	115	119	114	108	116	118	117
52.5°	108	108	111	108	104	110	98	99	105	105	104
55°	98	102	101	98	97	96	91	93	92	95	94
57.5°	88	89	92	94	88	85	82	81	84	84	83
60°	79	82	82	81	75	77	71	74	72	73	73
62.5°	71	73	77	71	70	69	64	66	64	67	66
65°	63	65	66	64	62	59	58	56	58	58	57
67.5°	54	56	55	54	52	53	51	50	48	48	50
70°	46	48	47	47	45	44	42	41	40	42	43
72.5°	37	41	39	39	38	37	36	34	34	35	35
75°	30	34	34	32	32	29	29	29	28	28	28
77.5°	26	26	26	25	24	24	22	23	21	21	21
80°	20	20	20	19	18	19	17	17	16	16	15
82.5°	14	15	14	14	13	13	12	12	11	11	10
85°	9	10	10	10	9	8	8	7	6	6	6
87.5°	7	7	6	6	6	5	5	4	3	3	3
90°	5	6	5	5	4	4	3	3	2	1	1
92.5°	4	5	5	4	4	4	3	2	2	1	1
95°	4	4	4	4	4	3	3	2	1	1	1
97.5°	4	4	4	4	3	3	3	2	1	1	1
100°	3	3	3	3	3	3	2	2	1	1	1
102.5°	3	3	3	3	3	2	2	2	1	1	1
105°	3	3	3	2	2	2	2	2	1	1	1
107.5°	2	2	2	2	2	2	2	1	1	1	1
110°	2	2	2	2	2	2	1	1	1	1	1



TEST NUMBER: G3-2001-660-12

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2	2	1	1	1	1	1	1	1	1	1
115°	1	1	1	1	1	1	1	1	1	0	1
117.5°	1	1	1	1	1	1	1	1	1	0	0
120°	1	1	1	1	0	0	1	1	1	0	0
122.5°	1	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-LEDB1-3500-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	307	307	307	307	307	307	307	307	307	307
2.5°	301	302	300	320	307	305	309	309	310	311
5°	299	301	310	311	302	318	308	314	309	311
7.5°	296	299	294	315	303	311	306	311	306	292
10°	291	289	290	318	299	297	304	302	312	306
12.5°	282	292	291	306	290	300	290	287	307	303
15°	273	286	286	295	289	282	286	294	292	298
17.5°	273	272	271	287	282	274	288	286	293	291
20°	270	263	263	279	273	272	300	277	285	274
22.5°	254	264	270	278	260	258	272	270	274	276
25°	253	228	254	259	249	255	272	261	257	266
27.5°	243	244	244	254	238	245	261	245	251	256
30°	232	233	223	247	239	233	239	239	235	244
32.5°	219	221	211	223	219	218	226	229	224	230
35°	199	191	206	214	207	197	214	213	216	216
37.5°	170	186	185	200	186	187	197	198	200	200
40°	169	164	178	182	176	178	185	180	173	186
42.5°	153	154	154	166	160	161	161	151	154	151
45°	145	141	145	149	139	140	140	114	99	95
47.5°	126	127	130	131	124	122	105	72	62	68
50°	119	120	117	123	116	103	72	57	53	55
52.5°	106	101	106	106	98	69	62	45	43	48
55°	92	97	96	95	77	53	55	39	34	34
57.5°	85	85	85	84	60	48	44	17	5	4
60°	76	71	76	71	50	42	24	2	0	0
62.5°	67	66	67	58	45	27	16	1	0	0
65°	58	58	59	50	39	18	13	0	0	0
67.5°	50	49	51	43	29	17	11	0	0	0
70°	42	43	43	35	26	14	9	1	0	0
72.5°	35	36	35	30	21	12	8	1	0	0
75°	28	29	28	24	17	9	6	1	0	0
77.5°	22	22	22	19	13	8	5	1	0	0
80°	16	17	16	14	10	6	4	0	0	0
82.5°	11	11	11	9	7	4	3	0	0	0
85°	6	7	7	6	4	2	2	0	0	0
87.5°	3	3	3	3	2	2	1	0	0	0
90°	1	1	1	1	1	1	0	0	0	0
92.5°	1	1	1	1	1	1	0	0	0	0
95°	1	1	1	1	1	1	0	0	0	0
97.5°	1	1	1	1	1	1	0	0	0	0
100°	1	1	1	1	1	1	0	0	0	0
102.5°	1	1	1	1	1	1	0	0	0	0
105°	1	1	1	1	1	0	0	0	0	0
107.5°	1	1	1	1	1	0	0	0	0	0
110°	1	1	1	1	1	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1	1	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)