

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: G3-2001-660-9

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

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: G3-2001-660-9  
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  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, ONE LIGHTBAR, TYPE 5  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

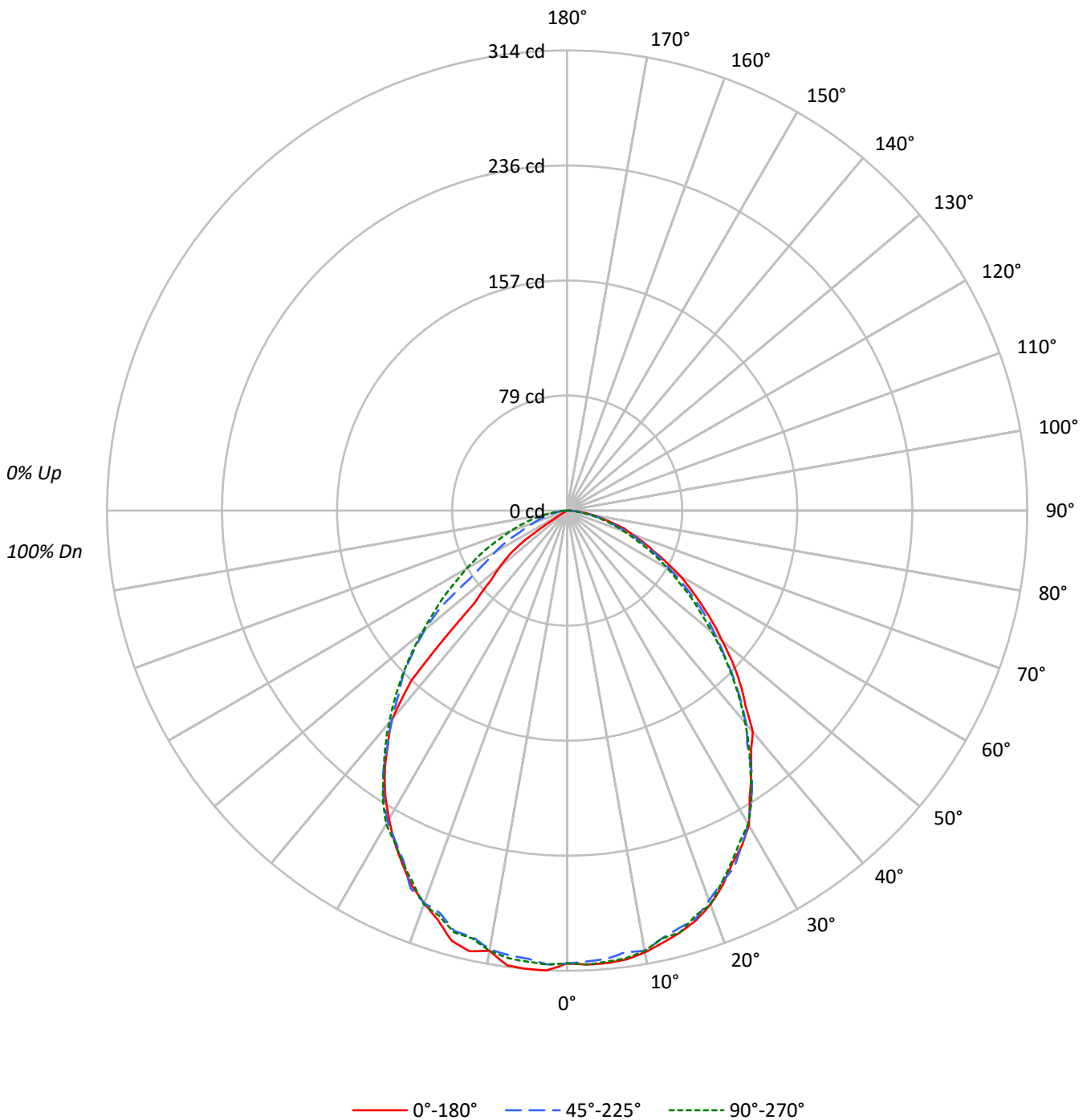
Lumens per Lamp: N/A  
Luminaire Lumens: 646.9 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24  
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.3  
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: 24 FT



TEST NUMBER: G3-2001-660-9  
CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T5X-DIM10

### Luminous Intensity Polar Plot





TEST NUMBER: G3-2001-660-9

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

**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	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°	42874	42736	43428
10°	42811	42671	42671
15°	42506	42506	43362
20°	41934	41934	41787
25°	40438	40286	40438
30°	39455	39296	38660
35°	36835	36667	36499
40°	35432	33993	33453
45°	32540	30981	17536
50°	29580	27651	12861
55°	26903	24742	8407
60°	24525	21769	551
65°	21191	19235	0
70°	18933	16516	0
75°	16502	14373	0
80°	14282	11108	0
85°	11066	7904	0



TEST NUMBER: G3-2001-660-9

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.3	4.5
10°-20°	83.7	12.9
20°-30°	122.6	18.9
30°-40°	136.0	21.0
40°-50°	117.7	18.2
50°-60°	81.4	12.6
60°-70°	47.5	7.3
70°-80°	23.2	3.6
80°-90°	5.6	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°	235.5	36.4
0°-40°	371.5	57.4
0°-60°	570.6	88.2
0°-90°	646.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	646.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	309	309	309	309	309	
5°	310	307	309	307	314	29
15°	298	295	298	297	304	84
25°	266	269	265	264	266	123
35°	219	220	218	219	217	137
45°	167	160	159	158	90	129
55°	112	107	103	81	35	101
65°	65	63	59	37	0	65
75°	31	29	27	15	0	34
85°	7	7	5	3	0	9
90°	0	0	0	0	0	



TEST NUMBER: G3-2001-660-9

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	309	309	309	309	309	309	309	309	309	309	309
2.5°	310	304	304	308	312	308	313	308	310	307	310
5°	310	306	305	303	308	307	314	308	308	309	309
7.5°	309	305	304	303	302	304	316	310	307	308	308
10°	306	302	301	293	304	305	306	303	304	302	305
12.5°	302	299	295	300	298	299	301	312	301	299	299
15°	298	291	292	296	294	295	296	296	297	297	298
17.5°	293	289	287	287	291	292	291	298	291	292	290
20°	286	278	281	283	288	283	287	284	285	279	286
22.5°	277	268	269	270	274	275	279	275	277	271	275
25°	266	264	264	266	270	269	272	270	267	265	265
27.5°	258	254	254	249	257	258	259	259	252	255	255
30°	248	240	242	245	245	247	245	247	245	245	247
32.5°	232	228	228	230	232	234	236	233	232	233	234
35°	219	218	217	219	223	220	218	225	213	217	218
37.5°	206	205	204	202	204	202	204	203	201	204	204
40°	197	191	188	188	190	190	188	189	185	187	189
42.5°	180	181	178	177	175	175	174	174	174	171	174
45°	167	164	164	163	161	160	159	156	159	158	159
47.5°	153	152	149	148	148	145	143	143	142	142	144
50°	138	137	136	135	135	132	129	128	126	128	129
52.5°	125	124	121	122	122	120	115	114	116	115	115
55°	112	113	110	109	108	107	104	102	102	102	103
57.5°	100	100	98	97	95	94	93	90	90	89	90
60°	89	88	86	86	85	82	81	79	79	78	79
62.5°	76	74	76	74	74	73	71	69	67	67	69
65°	65	66	65	64	64	63	61	59	57	58	59
67.5°	56	56	55	54	55	53	51	50	49	49	49
70°	47	47	47	46	45	45	43	42	41	41	41
72.5°	41	39	38	37	37	36	35	34	33	34	34
75°	31	31	31	30	30	29	28	27	27	26	27
77.5°	24	24	24	23	23	22	21	21	20	20	20
80°	18	18	18	17	17	16	15	14	15	15	14
82.5°	12	12	12	11	11	11	10	10	9	9	9
85°	7	7	7	7	7	7	6	5	5	5	5
87.5°	4	4	4	4	4	3	3	2	2	2	2
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: G3-2001-660-9

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

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	309	309	309	309	309	309	309	309	309	309
2.5°	308	308	308	310	310	301	311	311	307	314
5°	310	307	310	306	307	305	308	308	305	314
7.5°	308	309	306	309	306	305	314	308	308	313
10°	306	306	304	303	304	306	311	306	303	305
12.5°	302	303	305	301	298	303	305	303	297	308
15°	302	299	299	296	297	299	301	299	297	304
17.5°	293	292	292	290	288	294	299	293	293	293
20°	286	287	288	284	285	283	287	286	287	285
22.5°	280	278	278	278	279	279	279	278	268	277
25°	267	269	270	266	264	269	270	264	268	266
27.5°	256	256	259	256	254	252	262	258	252	255
30°	244	245	248	244	245	247	248	245	246	243
32.5°	234	231	236	232	233	233	234	231	228	231
35°	217	220	220	216	219	217	219	217	218	217
37.5°	205	201	206	203	201	202	205	200	203	201
40°	187	188	191	187	186	184	188	188	183	186
42.5°	177	172	176	173	170	174	173	166	152	157
45°	159	157	160	154	158	155	149	110	93	90
47.5°	142	140	145	141	142	138	101	74	71	71
50°	131	128	131	126	127	97	79	62	60	60
52.5°	116	116	118	113	109	72	67	53	52	50
55°	103	103	104	102	81	62	57	42	36	35
57.5°	89	90	91	88	66	53	44	12	6	5
60°	78	78	79	71	57	43	22	4	2	2
62.5°	69	68	69	58	48	25	17	2	0	0
65°	58	58	59	48	37	19	13	1	0	0
67.5°	49	49	50	41	29	16	11	1	0	0
70°	41	41	41	34	24	13	9	1	0	0
72.5°	33	33	33	28	20	11	7	0	0	0
75°	27	27	26	22	15	9	6	0	0	0
77.5°	20	20	21	17	12	6	4	0	0	0
80°	14	14	14	12	9	5	3	0	0	0
82.5°	9	9	10	8	6	3	2	0	0	0
85°	5	5	5	4	3	2	1	0	0	0
87.5°	2	2	2	2	1	1	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)