

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: G3-2001-660-7

Luminaire Tested: **303-W1-LEDB1-3500-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: G3-2001-660-7
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-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, ONE LIGHTBAR, TYPE 2
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

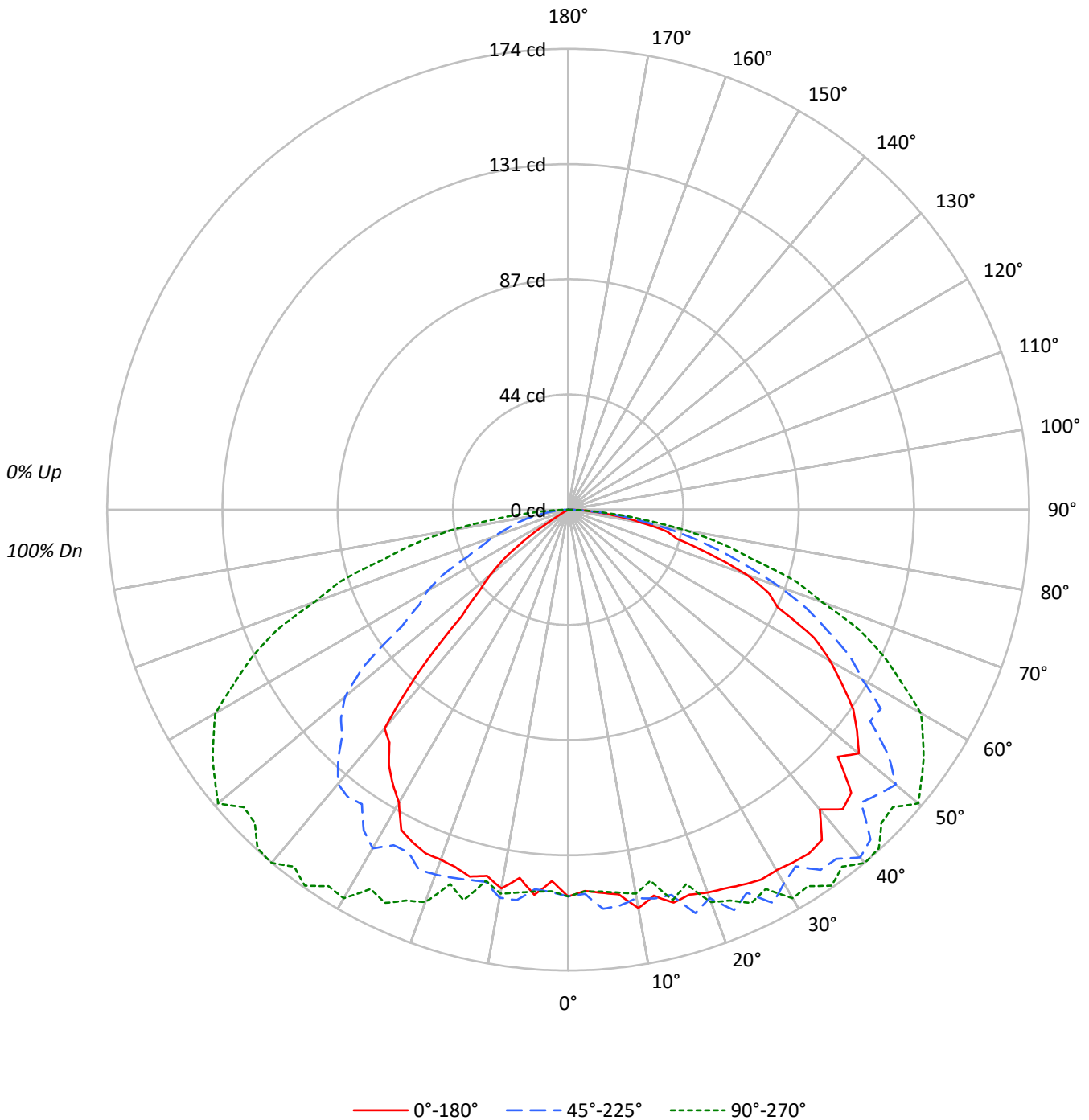
Lumens per Lamp: N/A
Luminaire Lumens: 579.2 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (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: 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	98	89	82	75	95	87	80	74	83	78	73		80	75	71		77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60		70	64	59		67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	53	49	47
5	74	60	51	44	71	59	50	43	57	49	43		55	48	42		53	47	42	40
6	68	54	44	37	66	53	44	37	51	43	37		49	42	37		47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32		44	37	32		43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	28		40	33	28		39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25		37	30	25		36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23		34	27	23		33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20116	20116	20116
5°	20082	20013	20192
10°	21363	20594	20314
15°	21909	21767	20454
20°	22550	23122	20615
25°	23746	24901	21085
30°	25009	26950	20316
35°	26659	29148	19830
40°	26565	31313	19389
45°	29442	32579	11106
50°	30694	36975	8209
55°	31539	39346	4876
60°	31469	42381	744
65°	28428	42903	0
70°	28843	41009	0
75°	22571	38275	0
80°	22454	35705	0
85°	16441	24187	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	2.4
10°-20°	42.5	7.3
20°-30°	71.2	12.3
30°-40°	97.1	16.8
40°-50°	109.1	18.8
50°-60°	104.2	18.0
60°-70°	81.7	14.1
70°-80°	47.5	8.2
80°-90°	11.8	2.0
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°	127.7	22.1
0°-40°	224.8	38.8
0°-60°	438.1	75.6
0°-90°	579.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	145	151	145	144	146	14
15°	154	151	153	145	143	43
25°	156	160	164	143	139	72
35°	158	166	173	136	118	98
45°	151	156	167	121	57	114
55°	131	139	164	77	20	116
65°	87	108	132	42	0	91
75°	42	59	72	21	0	49
85°	10	12	15	5	0	13
90°	0	0	0	0	0	



TEST NUMBER: G3-2001-660-7

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T2-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	144.1	152.1	150.2	146.8	143.8	145.2	146.3	150.4	144.6	146.2	144.2
5°	145.2	144.5	148.2	142.4	145.1	151.3	137.5	144.0	145.4	146.7	144.7
7.5°	146.5	148.1	149.1	153.2	144.5	150.7	149.2	150.0	155.0	147.9	145.8
10°	152.7	156.7	151.3	140.5	145.9	148.9	151.3	150.2	151.2	149.4	147.2
12.5°	149.3	150.8	152.9	154.6	150.2	150.4	148.7	150.7	163.8	150.9	143.5
15°	153.6	164.8	154.5	152.2	152.1	150.6	155.5	153.9	154.2	153.2	152.6
17.5°	152.4	156.5	156.3	153.8	149.7	159.7	158.0	155.8	167.5	155.8	148.2
20°	153.8	158.2	157.9	155.5	156.3	156.0	150.7	158.2	159.2	153.6	157.7
22.5°	154.8	163.5	157.7	146.0	157.9	163.6	162.4	162.4	161.6	161.2	159.7
25°	156.2	159.9	158.2	152.4	149.2	159.6	160.6	167.7	164.8	164.5	163.8
27.5°	157.5	160.2	160.4	158.2	161.8	167.4	167.7	165.0	167.9	167.2	161.4
30°	157.2	160.6	161.2	159.9	151.6	162.9	166.5	168.2	168.9	169.4	169.4
32.5°	157.9	166.8	163.3	155.6	158.9	159.7	168.7	173.8	175.0	171.8	168.5
35°	158.5	160.7	162.1	156.0	166.0	166.0	170.8	171.1	175.5	173.0	173.3
37.5°	157.2	159.7	157.3	161.4	159.9	166.2	174.3	171.1	173.5	176.2	169.9
40°	147.7	161.4	155.5	155.8	159.4	171.4	174.0	176.9	176.4	172.3	174.1
42.5°	153.4	158.2	157.0	157.3	157.5	168.9	170.8	175.8	172.6	176.7	173.5
45°	151.1	155.5	154.5	155.1	161.1	156.3	171.3	168.7	172.5	172.6	167.2
47.5°	138.0	155.8	151.5	152.8	158.2	159.0	169.2	167.9	176.2	172.8	166.2
50°	143.2	150.8	141.7	148.6	155.3	161.4	166.3	170.2	169.9	166.3	172.5
52.5°	137.4	137.4	141.0	138.1	146.8	152.3	162.1	160.9	168.2	173.3	168.0
55°	131.3	129.8	134.2	121.6	140.4	139.2	156.8	168.5	169.6	155.1	163.8
57.5°	122.5	125.8	128.3	128.5	130.4	139.9	149.5	156.8	159.7	158.5	158.7
60°	114.2	112.8	119.2	115.7	124.5	128.2	146.2	145.1	152.7	152.4	153.8
62.5°	104.7	103.0	106.3	110.3	116.2	119.9	135.6	136.0	143.8	147.8	142.1
65°	87.2	93.1	96.2	98.7	105.3	108.0	120.6	122.5	129.5	131.9	131.6
67.5°	81.8	81.0	84.7	85.5	92.0	97.3	113.8	111.7	117.5	124.1	119.3
70°	71.6	70.1	73.1	74.4	80.7	84.6	93.1	97.4	103.1	106.3	101.8
72.5°	56.6	58.3	63.4	64.0	67.3	70.8	83.9	82.9	92.1	93.9	90.2
75°	42.4	47.5	50.6	50.9	54.8	58.6	68.2	70.5	78.1	75.0	71.9
77.5°	38.2	37.1	39.6	41.0	43.5	46.5	51.6	53.9	62.1	59.4	59.5
80°	28.3	27.2	29.1	29.2	32.1	33.9	37.2	39.8	43.9	43.5	45.0
82.5°	18.9	18.7	19.5	19.9	21.5	23.0	25.2	26.9	28.9	29.5	28.8
85°	10.4	10.6	11.7	11.7	11.8	12.4	13.5	14.8	15.4	15.8	15.3
87.5°	5.1	5.3	5.3	5.0	5.0	4.8	4.9	5.2	5.9	5.5	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: G3-2001-660-7

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	147.9	146.1	143.3	146.0	144.5	138.6	142.7	151.1	145.4	140.3
5°	148.1	145.9	143.0	144.9	143.8	143.5	144.5	145.8	144.1	146.0
7.5°	149.2	145.4	143.2	145.3	148.7	145.9	141.2	148.7	142.3	140.2
10°	150.6	146.5	143.9	141.1	148.8	140.5	141.1	143.1	141.7	145.2
12.5°	148.2	148.3	144.8	146.3	143.9	138.0	136.3	142.3	141.6	141.6
15°	155.0	150.2	149.9	147.7	144.7	146.0	140.4	141.5	140.9	143.4
17.5°	157.3	153.0	150.3	149.5	145.7	141.2	140.1	140.5	140.3	141.5
20°	163.5	154.3	152.4	151.1	146.6	146.7	139.7	139.2	135.6	140.6
22.5°	159.7	158.9	152.6	152.7	147.1	142.6	138.8	137.4	133.3	140.5
25°	166.2	157.7	155.8	154.3	142.7	142.2	137.6	135.8	135.0	138.7
27.5°	166.7	159.6	157.7	150.2	142.8	139.2	133.6	132.3	126.6	136.4
30°	182.1	166.7	151.7	156.2	147.6	143.1	133.5	130.4	122.9	127.7
32.5°	173.0	163.3	155.0	156.7	143.6	140.3	130.3	128.5	118.6	123.1
35°	179.9	167.7	161.1	155.0	135.7	136.7	125.9	119.8	120.4	117.9
37.5°	181.4	169.9	160.7	150.1	136.7	132.1	117.5	113.7	111.7	110.8
40°	173.3	168.0	155.8	152.8	135.1	126.1	108.4	105.7	98.0	107.8
42.5°	174.3	167.0	155.6	145.2	128.5	119.0	105.4	93.1	85.8	84.6
45°	170.4	165.0	148.7	139.4	120.6	110.6	86.4	63.4	55.9	57.0
47.5°	168.5	151.7	149.2	133.4	116.3	98.4	67.1	54.2	47.4	45.6
50°	166.2	159.0	135.2	128.2	109.9	75.7	52.3	42.5	37.5	38.3
52.5°	166.8	156.3	139.3	121.3	97.4	63.1	49.4	35.4	31.8	30.7
55°	158.2	146.2	133.2	113.3	76.6	55.1	42.1	27.7	22.2	20.3
57.5°	152.6	141.9	125.6	103.2	66.5	47.4	31.6	11.6	8.2	8.0
60°	149.2	136.9	117.1	91.7	61.4	39.9	19.3	6.5	3.4	2.7
62.5°	140.4	124.6	103.3	76.7	53.3	26.7	14.7	2.9	0.0	0.0
65°	124.4	113.4	89.8	65.5	41.8	21.7	10.8	1.8	0.0	0.0
67.5°	113.1	95.4	82.9	58.4	34.6	18.0	9.8	1.7	0.0	0.0
70°	99.2	92.6	71.9	49.8	30.2	15.0	8.1	1.4	0.0	0.0
72.5°	85.1	76.5	63.3	42.8	24.6	12.6	6.6	1.3	0.0	0.0
75°	69.4	64.8	50.1	33.4	20.6	10.5	5.3	1.1	0.0	0.0
77.5°	53.4	50.4	40.6	27.5	16.4	8.4	4.3	0.8	0.0	0.0
80°	42.3	37.4	28.7	18.9	11.9	6.1	3.0	0.6	0.0	0.0
82.5°	27.7	23.7	19.4	13.3	8.1	3.9	2.1	0.3	0.0	0.0
85°	14.6	12.8	10.8	7.1	4.6	2.3	1.2	0.3	0.0	0.0
87.5°	5.3	4.4	3.7	2.5	1.7	0.8	0.4	0.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)