

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: P394812

Luminaire Tested: **303-W1-LEDB1-2700-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-W1-LEDB1-2700-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, ONE LIGHTBAR, TYPE 2
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

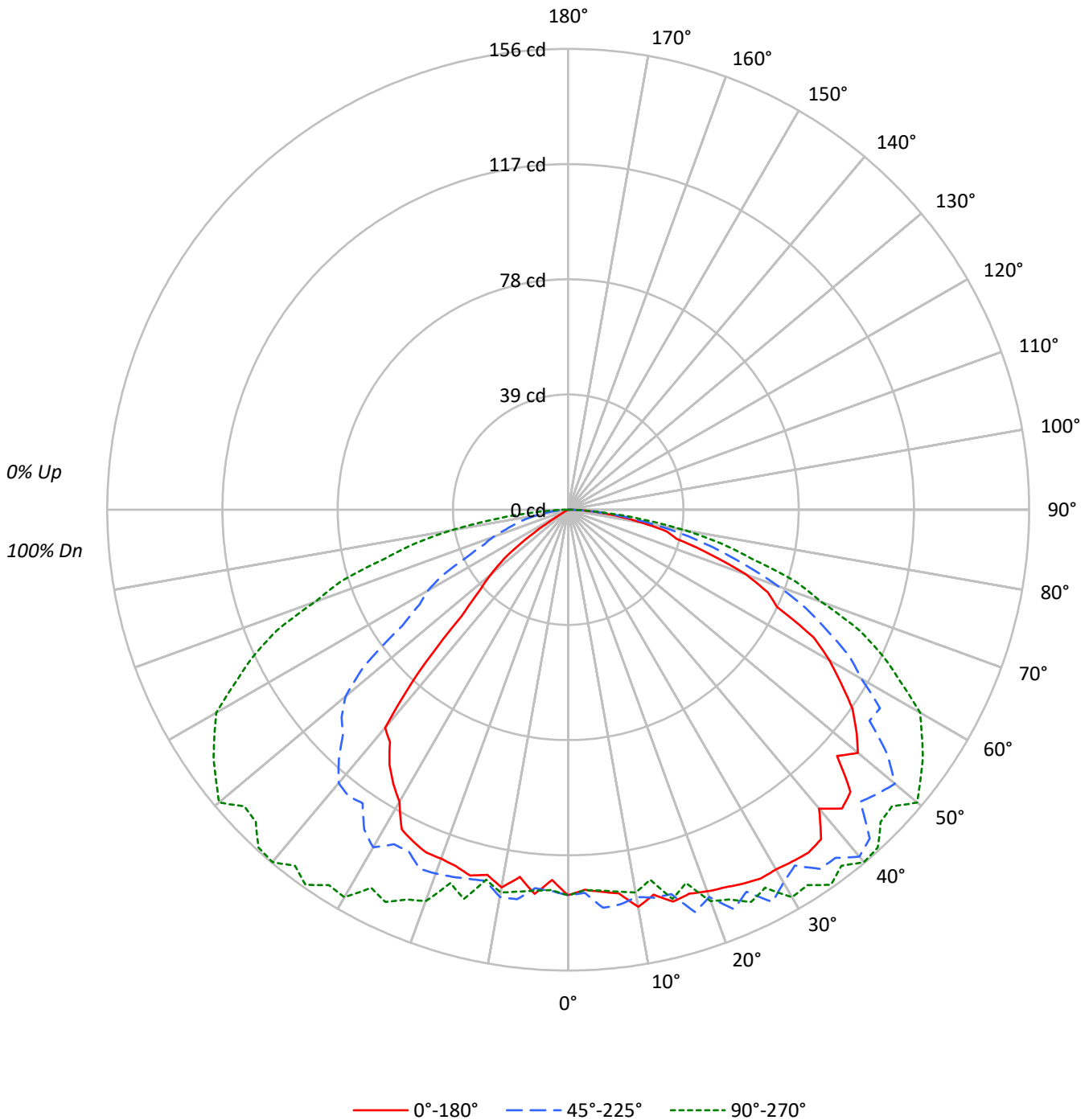
Lumens per Lamp: N/A
Luminaire Lumens: 517.9 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	17980	17980	17980
5°	17952	17897	18049
10°	19097	18411	18160
15°	19584	19456	18286
20°	20160	20674	18430
25°	21237	22271	18851
30°	22368	24103	18168
35°	23833	26070	17728
40°	23759	28004	17338
45°	26324	29130	9937
50°	27436	33052	7331
55°	28201	35191	4372
60°	28134	37889	661
65°	25429	38372	0
70°	25782	36658	0
75°	20175	34229	0
80°	20074	31896	0
85°	14702	21657	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	2.4
10°-20°	38.0	7.3
20°-30°	63.7	12.3
30°-40°	86.8	16.8
40°-50°	97.6	18.8
50°-60°	93.2	18.0
60°-70°	73.1	14.1
70°-80°	42.5	8.2
80°-90°	10.6	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°	114.2	22.1
0°-40°	201.0	38.8
0°-60°	391.7	75.6
0°-90°	517.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	130	135	129	129	130	13
15°	137	135	136	129	128	39
25°	140	143	146	128	124	65
35°	142	148	155	121	105	88
45°	135	140	150	108	51	102
55°	117	124	146	68	18	104
65°	78	97	118	37	0	81
75°	38	52	64	18	0	44
85°	9	11	14	4	0	12
90°	0	0	0	0	0	



TEST NUMBER: P394812

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	128.8	136.0	134.3	131.3	128.6	129.8	130.8	134.5	129.3	130.7	128.9
5°	129.8	129.2	132.5	127.3	129.7	135.3	122.9	128.8	130.0	131.2	129.4
7.5°	131.0	132.4	133.3	137.0	129.2	134.8	133.4	134.1	138.6	132.2	130.4
10°	136.5	140.1	135.3	125.6	130.5	133.1	135.3	134.3	135.2	133.6	131.6
12.5°	133.5	134.8	136.7	138.2	134.3	134.5	133.0	134.8	146.5	134.9	128.3
15°	137.3	147.4	138.1	136.1	136.0	134.7	139.0	137.6	137.9	137.0	136.4
17.5°	136.3	139.9	139.8	137.5	133.9	142.8	141.3	139.3	149.8	139.3	132.5
20°	137.5	141.5	141.2	139.0	139.8	139.5	134.8	141.5	142.4	137.3	141.0
22.5°	138.4	146.2	141.0	130.5	141.2	146.3	145.2	145.2	144.5	144.1	142.8
25°	139.7	143.0	141.5	136.3	133.4	142.7	143.6	150.0	147.4	147.1	146.5
27.5°	140.8	143.2	143.4	141.5	144.7	149.7	150.0	147.5	150.1	149.5	144.3
30°	140.6	143.6	144.1	143.0	135.6	145.7	148.9	150.4	151.0	151.5	151.5
32.5°	141.2	149.1	146.0	139.1	142.1	142.8	150.8	155.4	156.5	153.6	150.7
35°	141.7	143.7	144.9	139.5	148.4	148.4	152.7	153.0	156.9	154.7	155.0
37.5°	140.6	142.8	140.7	144.3	143.0	148.6	155.9	153.0	155.1	157.6	151.9
40°	132.1	144.3	139.0	139.3	142.5	153.3	155.6	158.2	157.7	154.1	155.7
42.5°	137.2	141.5	140.4	140.7	140.8	151.0	152.7	157.2	154.3	158.0	155.1
45°	135.1	139.0	138.1	138.7	144.0	139.8	153.2	150.8	154.2	154.3	149.5
47.5°	123.4	139.3	135.5	136.6	141.5	142.2	151.3	150.1	157.6	154.5	148.6
50°	128.0	134.8	126.7	132.9	138.9	144.3	148.7	152.2	151.9	148.7	154.2
52.5°	122.9	122.9	126.1	123.5	131.3	136.2	144.9	143.9	150.4	155.0	150.2
55°	117.4	116.1	120.0	108.7	125.5	124.5	140.2	150.7	151.6	138.7	146.5
57.5°	109.5	112.5	114.7	114.9	116.6	125.1	133.7	140.2	142.8	141.7	141.9
60°	102.1	100.9	106.6	103.5	111.3	114.6	130.7	129.7	136.5	136.3	137.5
62.5°	93.6	92.1	95.0	98.6	103.9	107.2	121.2	121.6	128.6	132.2	127.1
65°	78.0	83.2	86.0	88.3	94.2	96.6	107.8	109.5	115.8	117.9	117.7
67.5°	73.1	72.4	75.7	76.5	82.3	87.0	101.8	99.9	105.1	111.0	106.7
70°	64.0	62.7	65.4	66.5	72.2	75.6	83.2	87.1	92.2	95.0	91.0
72.5°	50.6	52.1	56.7	57.2	60.2	63.3	75.0	74.1	82.4	84.0	80.7
75°	37.9	42.5	45.2	45.5	49.0	52.4	61.0	63.0	69.8	67.1	64.3
77.5°	34.2	33.2	35.4	36.7	38.9	41.6	46.1	48.2	55.5	53.1	53.2
80°	25.3	24.3	26.0	26.1	28.7	30.3	33.3	35.6	39.3	38.9	40.2
82.5°	16.9	16.7	17.4	17.8	19.2	20.6	22.5	24.1	25.8	26.4	25.8
85°	9.3	9.5	10.5	10.5	10.6	11.1	12.1	13.2	13.8	14.1	13.7
87.5°	4.6	4.7	4.7	4.5	4.5	4.3	4.4	4.6	5.3	4.9	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	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°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	132.2	130.6	128.1	130.5	129.2	123.9	127.6	135.1	130.0	125.5
5°	132.4	130.5	127.9	129.6	128.6	128.3	129.2	130.4	128.8	130.5
7.5°	133.4	130.0	128.0	129.9	133.0	130.5	126.3	133.0	127.2	125.4
10°	134.7	131.0	128.7	126.2	133.1	125.6	126.2	128.0	126.7	129.8
12.5°	132.5	132.6	129.5	130.8	128.7	123.4	121.9	127.2	126.6	126.6
15°	138.6	134.3	134.0	132.1	129.4	130.5	125.5	126.5	126.0	128.2
17.5°	140.7	136.8	134.4	133.7	130.3	126.3	125.3	125.6	125.5	126.5
20°	146.2	138.0	136.3	135.1	131.1	131.2	124.9	124.5	121.2	125.7
22.5°	142.8	142.1	136.4	136.5	131.5	127.5	124.1	122.9	119.2	125.6
25°	148.6	141.0	139.3	138.0	127.6	127.1	123.0	121.4	120.7	124.0
27.5°	149.1	142.7	141.0	134.3	127.7	124.5	119.5	118.3	113.2	122.0
30°	162.8	149.1	135.6	139.7	132.0	128.0	119.4	116.6	109.9	114.2
32.5°	154.7	146.0	138.6	140.1	128.4	125.5	116.5	114.9	106.0	110.1
35°	160.9	150.0	144.0	138.6	121.3	122.2	112.6	107.1	107.7	105.4
37.5°	162.2	151.9	143.7	134.2	122.2	118.1	105.1	101.7	99.9	99.1
40°	155.0	150.2	139.3	136.6	120.8	112.8	96.9	94.5	87.6	96.4
42.5°	155.9	149.3	139.1	129.8	114.9	106.4	94.2	83.2	76.7	75.6
45°	152.4	147.5	133.0	124.6	107.8	98.9	77.3	56.7	50.0	51.0
47.5°	150.7	135.6	133.4	119.3	104.0	88.0	60.0	48.5	42.4	40.8
50°	148.6	142.2	120.9	114.6	98.3	67.7	46.8	38.0	33.5	34.2
52.5°	149.1	139.8	124.6	108.5	87.1	56.4	44.2	31.7	28.4	27.5
55°	141.5	130.7	119.1	101.3	68.5	49.3	37.6	24.8	19.9	18.2
57.5°	136.4	126.9	112.3	92.3	59.5	42.4	28.3	10.4	7.3	7.2
60°	133.4	122.4	104.7	82.0	54.9	35.7	17.3	5.8	3.0	2.4
62.5°	125.5	111.4	92.4	68.6	47.7	23.9	13.1	2.6	0.0	0.0
65°	111.2	101.4	80.3	58.6	37.4	19.4	9.7	1.6	0.0	0.0
67.5°	101.1	85.3	74.1	52.2	30.9	16.1	8.8	1.5	0.0	0.0
70°	88.7	82.8	64.3	44.5	27.0	13.4	7.2	1.3	0.0	0.0
72.5°	76.1	68.4	56.6	38.3	22.0	11.3	5.9	1.2	0.0	0.0
75°	62.1	57.9	44.8	29.9	18.4	9.4	4.7	1.0	0.0	0.0
77.5°	47.7	45.1	36.3	24.6	14.7	7.5	3.8	0.7	0.0	0.0
80°	37.8	33.4	25.7	16.9	10.6	5.5	2.7	0.5	0.0	0.0
82.5°	24.8	21.2	17.3	11.9	7.2	3.5	1.9	0.3	0.0	0.0
85°	13.1	11.4	9.7	6.3	4.1	2.1	1.1	0.3	0.0	0.0
87.5°	4.7	3.9	3.3	2.2	1.5	0.7	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)