

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: P394872

Luminaire Tested: **303-A1-LEDB1-2700-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-A1-LEDB1-2700-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 4
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

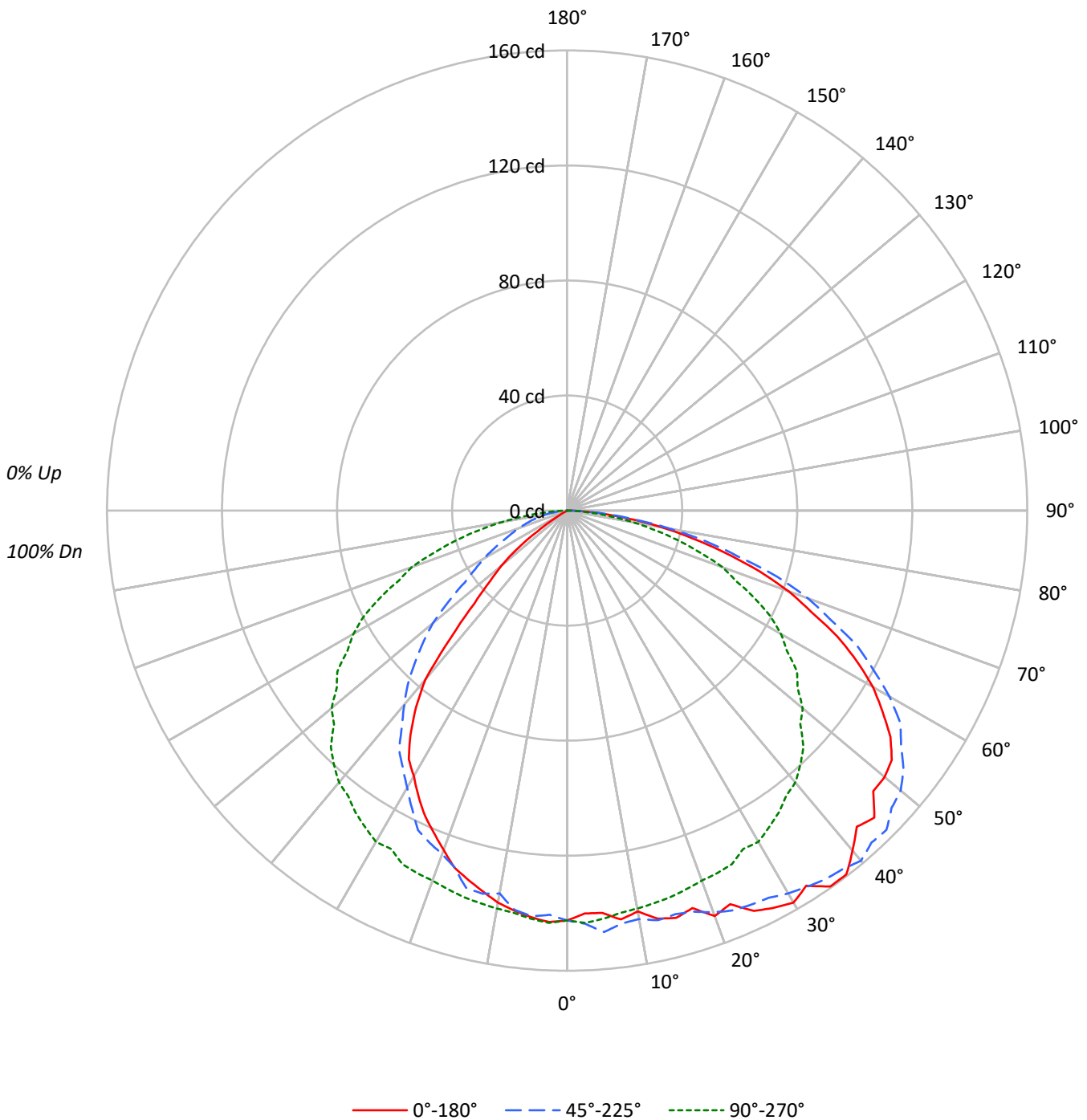
Lumens per Lamp: N/A
Luminaire Lumens: 473.1 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19633	19633	19633
5°	19418	19708	19639
10°	19796	19656	19363
15°	20911	19841	18957
20°	21993	20072	18416
25°	23351	20614	17787
30°	25041	21159	16959
35°	26827	21563	15962
40°	27770	22194	13813
45°	29422	22641	8885
50°	30887	22913	6387
55°	32957	23444	3051
60°	33838	23670	83
65°	33807	23408	0
70°	32952	23163	0
75°	30343	21187	0
80°	26501	18249	0
85°	19128	12330	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	2.9
10°-20°	39.6	8.4
20°-30°	62.7	13.3
30°-40°	80.4	17.0
40°-50°	86.3	18.2
50°-60°	80.0	16.9
60°-70°	63.6	13.4
70°-80°	37.6	8.0
80°-90°	9.3	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°	115.9	24.5
0°-40°	196.3	41.5
0°-60°	362.6	76.6
0°-90°	473.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	473.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	140	147	142	142	142	14
15°	147	145	139	136	133	41
25°	154	151	136	123	117	71
35°	160	156	128	102	95	99
45°	151	157	116	75	46	115
55°	137	142	98	43	13	122
65°	104	111	72	24	0	102
75°	57	61	40	12	0	60
85°	12	14	8	3	0	15
90°	0	0	0	0	0	



TEST NUMBER: P394872

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T4-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	140.2	143.0	142.9	141.7	140.8	143.8	140.7	143.6	142.8	142.6	143.5
5°	140.4	145.3	143.6	144.7	142.5	147.1	142.8	144.2	139.6	143.5	142.5
7.5°	143.4	145.6	144.1	145.6	141.5	144.8	143.1	144.3	144.7	142.4	141.1
10°	141.5	146.4	144.9	144.1	143.7	144.2	141.8	144.0	144.5	142.1	140.5
12.5°	145.3	147.5	145.7	146.8	142.4	145.9	144.0	144.1	142.6	141.5	139.8
15°	146.6	147.2	147.4	148.4	144.9	145.3	144.5	144.2	142.7	140.8	139.1
17.5°	144.9	150.1	148.3	148.0	146.8	146.2	145.3	144.5	144.1	141.0	138.0
20°	150.0	151.6	150.3	149.5	147.4	148.6	146.2	145.4	141.1	139.4	136.9
22.5°	148.1	151.7	151.6	152.2	150.1	150.5	146.2	146.0	142.0	138.4	136.4
25°	153.6	155.3	153.3	153.0	150.1	151.2	146.6	145.8	141.3	137.3	135.6
27.5°	155.7	157.2	156.3	156.8	154.2	151.8	149.7	148.4	141.5	136.7	132.6
30°	157.4	160.1	159.4	158.2	155.0	153.7	151.2	148.9	144.2	135.8	133.0
32.5°	154.7	160.0	157.4	158.4	158.0	155.1	151.6	148.4	144.3	136.6	130.6
35°	159.5	158.6	159.0	160.7	158.1	156.5	154.2	150.2	144.2	135.3	128.2
37.5°	159.5	160.5	158.3	161.0	158.5	157.2	153.0	148.5	143.3	131.4	125.1
40°	154.4	157.3	158.0	160.5	159.8	158.9	154.8	149.1	141.7	129.2	123.4
42.5°	149.1	155.8	154.0	158.3	159.4	156.6	154.2	145.9	139.4	126.3	120.0
45°	151.0	155.2	154.9	157.7	156.3	157.0	152.5	145.4	134.7	124.2	116.2
47.5°	144.4	152.1	150.2	155.0	154.5	153.0	150.2	142.0	132.3	118.2	110.0
50°	144.1	146.7	147.7	150.2	152.5	151.4	145.1	141.5	127.8	112.7	106.9
52.5°	142.3	140.9	142.9	145.5	147.2	147.4	140.7	132.2	123.2	110.2	100.9
55°	137.2	135.9	137.7	140.1	144.3	141.7	138.6	128.2	116.9	103.0	97.6
57.5°	130.0	128.4	129.5	134.0	138.1	137.3	132.8	122.9	114.9	99.2	90.5
60°	122.8	121.5	120.8	126.1	128.3	129.4	124.8	114.6	105.3	91.9	85.9
62.5°	113.7	115.1	115.7	118.0	120.1	120.1	117.7	106.9	97.2	85.1	79.7
65°	103.7	102.5	103.5	109.3	112.0	111.2	109.7	98.4	89.1	77.8	71.8
67.5°	91.7	91.8	95.0	97.0	101.7	99.1	97.6	89.4	78.9	69.7	63.2
70°	81.8	81.3	81.7	85.5	87.5	89.0	86.1	77.3	69.7	61.3	57.5
72.5°	69.9	69.1	69.7	73.5	75.0	76.7	72.9	66.0	60.4	52.5	48.4
75°	57.0	57.0	58.1	59.4	62.8	61.4	60.4	54.6	48.6	42.5	39.8
77.5°	44.8	45.0	45.9	47.7	49.4	49.5	48.4	42.9	37.6	33.3	31.2
80°	33.4	33.0	33.3	34.7	36.6	36.4	35.1	31.6	28.2	24.1	23.0
82.5°	21.7	21.9	22.1	23.3	23.3	23.2	23.1	21.0	18.9	15.7	14.9
85°	12.1	12.3	12.8	12.7	13.1	13.5	12.4	11.3	9.6	8.8	7.8
87.5°	5.5	5.3	5.4	5.0	5.1	4.9	4.4	3.8	3.4	2.8	2.5
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°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	142.7	144.4	143.3	142.0	140.7	142.1	142.3	140.9	141.4	143.2
5°	143.6	141.2	142.7	142.8	141.6	142.4	138.0	141.0	140.2	142.0
7.5°	141.8	143.1	141.5	141.5	140.0	140.8	139.9	139.1	141.1	140.3
10°	141.4	140.4	141.5	140.0	135.2	137.5	136.4	137.2	136.4	138.4
12.5°	140.0	138.4	138.8	138.1	136.4	135.4	136.0	136.4	137.5	135.6
15°	139.1	138.0	136.9	137.1	135.8	133.3	130.3	131.9	131.1	132.9
17.5°	137.9	135.9	135.6	132.6	130.1	131.7	130.5	129.0	128.0	130.2
20°	137.2	135.5	133.2	129.2	127.1	126.7	127.0	126.7	125.8	125.6
22.5°	134.9	131.8	130.1	126.1	125.0	122.9	120.1	122.3	120.0	121.2
25°	133.3	129.6	127.5	123.9	122.6	118.7	118.1	115.2	116.2	117.0
27.5°	132.5	128.4	123.3	118.6	116.8	114.0	114.0	111.1	111.7	112.0
30°	130.0	124.2	121.3	115.8	111.3	109.1	107.5	106.3	106.8	106.6
32.5°	127.8	120.8	115.3	108.7	106.2	103.6	103.2	99.4	102.1	102.5
35°	125.2	117.2	110.8	103.5	101.8	97.8	97.0	94.7	94.2	94.9
37.5°	123.2	113.0	106.3	98.3	94.3	92.4	90.6	86.7	85.6	86.3
40°	118.4	108.4	100.7	93.5	88.1	83.1	83.2	78.9	77.2	76.8
42.5°	117.0	103.6	95.1	87.1	82.1	77.4	73.6	68.8	61.6	59.4
45°	110.2	99.2	88.1	79.9	74.8	69.2	61.2	47.6	45.7	45.6
47.5°	105.5	93.8	82.2	74.5	67.9	60.3	47.8	39.3	36.8	36.3
50°	101.2	87.4	76.5	68.0	60.9	46.1	39.4	31.4	28.2	29.8
52.5°	95.7	82.5	71.4	61.7	52.0	39.0	33.1	25.5	22.4	22.4
55°	90.8	78.1	67.2	56.2	43.4	33.5	26.8	18.4	13.4	12.7
57.5°	85.6	72.8	62.6	50.4	37.9	28.2	19.6	8.8	5.2	5.3
60°	79.3	67.7	56.6	42.8	33.4	22.7	12.7	3.8	0.3	0.3
62.5°	74.0	62.1	51.4	38.4	28.8	16.0	8.4	0.3	0.0	0.0
65°	67.8	56.3	46.4	34.2	24.2	13.5	6.5	0.6	0.0	0.0
67.5°	60.1	50.4	41.2	30.2	20.8	11.4	6.2	1.0	0.0	0.0
70°	52.4	44.3	36.1	26.3	17.8	10.2	5.5	1.1	0.0	0.0
72.5°	45.0	37.5	30.3	22.3	14.9	8.7	4.7	1.0	0.0	0.0
75°	36.5	30.8	25.0	18.4	12.3	7.2	3.8	0.8	0.0	0.0
77.5°	28.3	24.0	20.4	14.5	9.8	5.6	3.0	0.6	0.0	0.0
80°	21.5	17.7	14.5	10.6	7.2	4.0	2.2	0.4	0.0	0.0
82.5°	13.5	11.7	9.7	7.0	4.6	2.7	1.4	0.3	0.0	0.0
85°	7.5	6.3	5.5	3.9	2.8	1.5	0.8	0.2	0.0	0.0
87.5°	2.6	2.2	1.9	1.4	1.0	0.5	0.3	0.0	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)