

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: P394878

Luminaire Tested: **303-A1-LEDB1-3000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394878
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-LEDB1-3000-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 4
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

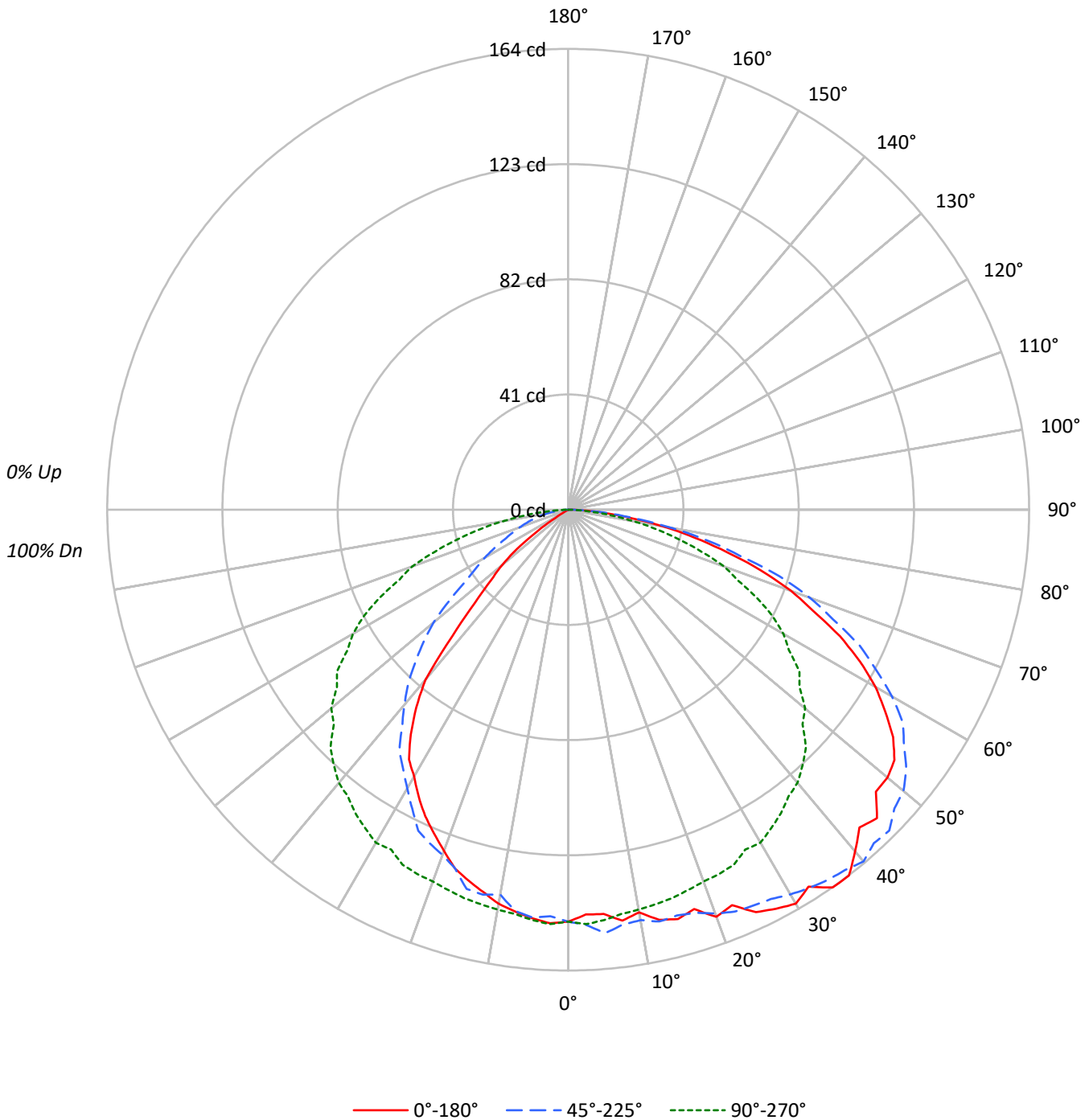
Lumens per Lamp: N/A
Luminaire Lumens: 486.6 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

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°	20198	20198	20198
5°	19971	20275	20192
10°	20356	20216	19922
15°	21510	20412	19499
20°	22609	20644	18943
25°	24019	21192	18288
30°	25757	21764	17437
35°	27601	22185	16416
40°	28561	22824	14209
45°	30260	23304	9138
50°	31787	23578	6559
55°	33894	24117	3147
60°	34803	24359	83
65°	34785	24092	0
70°	33919	23808	0
75°	31195	21772	0
80°	27294	18725	0
85°	19602	12647	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	2.9
10°-20°	40.7	8.4
20°-30°	64.5	13.3
30°-40°	82.7	17.0
40°-50°	88.8	18.2
50°-60°	82.3	16.9
60°-70°	65.4	13.4
70°-80°	38.7	8.0
80°-90°	9.5	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°	119.2	24.5
0°-40°	201.9	41.5
0°-60°	373.0	76.6
0°-90°	486.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	486.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	147	147	147	147	147	
5°	144	151	147	146	146	14
15°	151	150	143	140	137	43
25°	158	156	139	126	120	73
35°	164	161	132	105	98	102
45°	155	162	120	77	47	118
55°	141	146	100	45	13	125
65°	107	114	74	25	0	105
75°	59	63	41	13	0	62
85°	12	14	8	3	0	16
90°	0	0	0	0	0	



TEST NUMBER: P394878

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T4-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6
2.5°	144.2	147.1	147.0	145.8	144.9	147.9	144.7	147.7	146.9	146.7	147.6
5°	144.4	149.5	147.7	148.8	146.6	151.3	146.9	148.3	143.6	147.6	146.6
7.5°	147.5	149.7	148.3	149.7	145.5	148.9	147.2	148.4	148.8	146.5	145.1
10°	145.5	150.6	149.1	148.3	147.8	148.3	145.9	148.1	148.6	146.1	144.5
12.5°	149.5	151.8	149.8	151.0	146.5	150.1	148.1	148.3	146.7	145.6	143.8
15°	150.8	151.4	151.6	152.7	149.0	149.5	148.6	148.3	146.8	144.9	143.1
17.5°	149.0	154.4	152.5	152.2	151.0	150.4	149.5	148.6	148.3	145.0	141.9
20°	154.2	156.0	154.6	153.8	151.7	152.9	150.4	149.5	145.1	143.4	140.8
22.5°	152.3	156.1	156.0	156.5	154.4	154.8	150.4	150.2	146.0	142.4	140.3
25°	158.0	159.8	157.7	157.4	154.4	155.5	150.8	150.0	145.3	141.3	139.4
27.5°	160.1	161.7	160.8	161.3	158.6	156.2	154.0	152.7	145.6	140.6	136.4
30°	161.9	164.7	164.0	162.7	159.4	158.1	155.5	153.1	148.3	139.7	136.8
32.5°	159.1	164.5	161.9	162.9	162.5	159.6	155.9	152.7	148.4	140.5	134.4
35°	164.1	163.2	163.5	165.3	162.6	160.9	158.6	154.5	148.3	139.2	131.9
37.5°	164.1	165.1	162.8	165.6	163.1	161.7	157.4	152.8	147.4	135.1	128.7
40°	158.8	161.8	162.5	165.1	164.4	163.4	159.2	153.4	145.8	132.9	126.9
42.5°	153.4	160.2	158.4	162.8	164.0	161.0	158.6	150.1	143.4	129.9	123.4
45°	155.3	159.7	159.3	162.2	160.8	161.5	156.9	149.5	138.5	127.7	119.6
47.5°	148.5	156.4	154.5	159.5	158.9	157.4	154.5	146.0	136.1	121.6	113.1
50°	148.3	150.9	151.9	154.5	156.8	155.7	149.3	145.6	131.4	115.9	110.0
52.5°	146.3	144.9	147.0	149.6	151.4	151.6	144.8	136.0	126.7	113.3	103.7
55°	141.1	139.8	141.6	144.1	148.4	145.8	142.6	131.9	120.2	106.0	100.4
57.5°	133.7	132.1	133.2	137.9	142.0	141.2	136.6	126.4	118.2	102.0	93.1
60°	126.3	125.0	124.3	129.7	132.0	133.1	128.4	117.9	108.3	94.5	88.4
62.5°	117.0	118.4	119.0	121.4	123.5	123.5	121.0	109.9	100.0	87.6	81.9
65°	106.7	105.4	106.5	112.4	115.2	114.4	112.8	101.2	91.6	80.0	73.9
67.5°	94.4	94.5	97.8	99.8	104.6	101.9	100.3	92.0	81.1	71.7	65.0
70°	84.2	83.6	84.1	87.9	90.0	91.5	88.6	79.5	71.6	63.1	59.1
72.5°	71.9	71.1	71.6	75.6	77.2	78.9	75.0	67.9	62.1	54.0	49.8
75°	58.6	58.7	59.8	61.1	64.6	63.2	62.1	56.2	49.9	43.7	40.9
77.5°	46.1	46.3	47.2	49.1	50.8	51.0	49.8	44.1	38.7	34.2	32.1
80°	34.4	33.9	34.2	35.7	37.6	37.4	36.1	32.5	29.0	24.7	23.6
82.5°	22.3	22.5	22.7	24.0	24.0	23.9	23.7	21.6	19.4	16.2	15.4
85°	12.4	12.7	13.2	13.1	13.5	13.9	12.8	11.6	9.8	9.0	8.0
87.5°	5.7	5.4	5.5	5.2	5.2	5.1	4.5	4.0	3.5	2.9	2.6
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°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6
2.5°	146.8	148.5	147.4	146.0	144.8	146.1	146.3	144.9	145.4	147.3
5°	147.7	145.2	146.8	146.9	145.7	146.4	141.9	145.0	144.2	146.0
7.5°	145.9	147.2	145.5	145.5	144.0	144.9	143.9	143.1	145.1	144.3
10°	145.4	144.4	145.5	144.0	139.1	141.5	140.3	141.1	140.3	142.4
12.5°	144.0	142.4	142.7	142.1	140.3	139.2	139.9	140.3	141.5	139.4
15°	143.1	141.9	140.8	141.0	139.7	137.1	134.0	135.7	134.8	136.7
17.5°	141.8	139.8	139.4	136.4	133.8	135.5	134.2	132.7	131.6	133.9
20°	141.1	139.3	137.0	132.9	130.7	130.3	130.6	130.3	129.4	129.2
22.5°	138.8	135.6	133.8	129.7	128.6	126.5	123.5	125.8	123.4	124.7
25°	137.1	133.3	131.2	127.5	126.1	122.1	121.5	118.5	119.5	120.3
27.5°	136.3	132.1	126.8	122.0	120.1	117.3	117.3	114.3	114.9	115.2
30°	133.7	127.7	124.8	119.1	114.5	112.2	110.5	109.4	109.8	109.6
32.5°	131.4	124.3	118.6	111.8	109.3	106.6	106.1	102.3	105.0	105.4
35°	128.8	120.6	114.0	106.4	104.7	100.6	99.8	97.4	96.9	97.6
37.5°	126.7	116.3	109.4	101.1	97.0	95.0	93.2	89.2	88.0	88.8
40°	121.8	111.5	103.6	96.2	90.6	85.4	85.6	81.1	79.4	79.0
42.5°	120.3	106.6	97.9	89.6	84.4	79.6	75.7	70.7	63.4	61.1
45°	113.3	102.0	90.6	82.2	77.0	71.2	62.9	48.9	47.0	46.9
47.5°	108.5	96.5	84.5	76.6	69.8	62.0	49.2	40.5	37.9	37.3
50°	104.1	89.9	78.7	70.0	62.6	47.5	40.6	32.3	29.0	30.6
52.5°	98.4	84.9	73.4	63.5	53.5	40.1	34.0	26.2	23.0	23.1
55°	93.4	80.3	69.1	57.8	44.6	34.5	27.6	18.9	13.8	13.1
57.5°	88.0	74.9	64.4	51.9	39.0	29.0	20.1	9.0	5.3	5.4
60°	81.6	69.6	58.2	44.1	34.3	23.4	13.1	4.0	0.3	0.3
62.5°	76.2	63.8	52.9	39.5	29.6	16.5	8.6	0.3	0.0	0.0
65°	69.7	57.9	47.7	35.2	24.9	13.9	6.7	0.6	0.0	0.0
67.5°	61.8	51.9	42.4	31.1	21.4	11.8	6.3	1.0	0.0	0.0
70°	53.9	45.5	37.2	27.0	18.3	10.5	5.6	1.1	0.0	0.0
72.5°	46.3	38.5	31.2	22.9	15.4	8.9	4.9	1.0	0.0	0.0
75°	37.5	31.7	25.8	18.9	12.7	7.4	4.0	0.8	0.0	0.0
77.5°	29.1	24.6	21.0	14.9	10.1	5.8	3.1	0.6	0.0	0.0
80°	22.2	18.2	14.9	10.9	7.4	4.1	2.3	0.5	0.0	0.0
82.5°	13.9	12.0	9.9	7.2	4.8	2.8	1.5	0.3	0.0	0.0
85°	7.7	6.5	5.6	4.0	2.9	1.6	0.8	0.2	0.0	0.0
87.5°	2.7	2.3	1.9	1.5	1.0	0.6	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)