

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: P394820

Luminaire Tested: **303-A1-LEDB1-3000-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394820
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-A1-LEDB1-3000-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 2
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

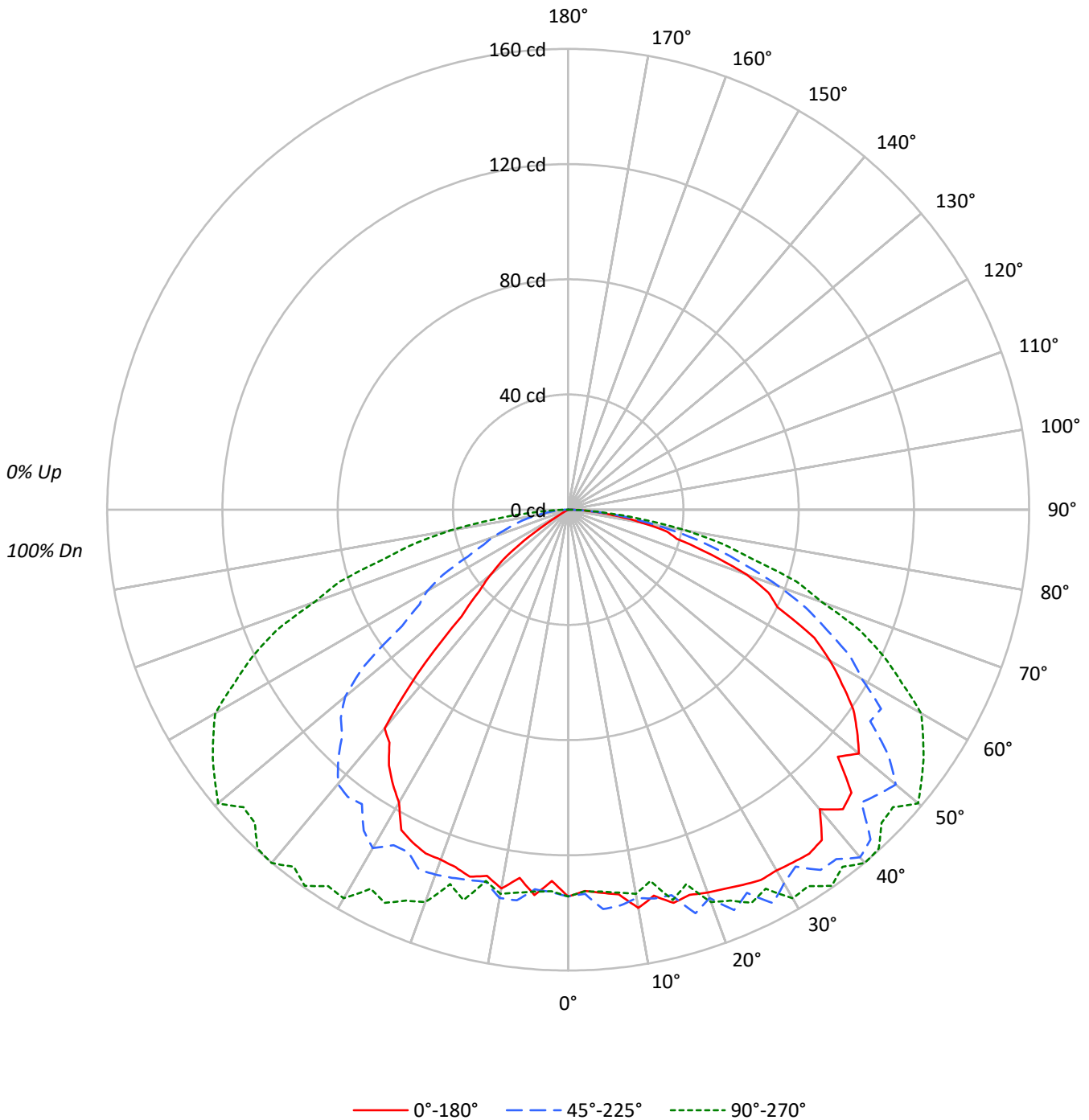
Lumens per Lamp: N/A
Luminaire Lumens: 532.6 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): 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°	18504	18504	18504
5°	18464	18408	18574
10°	19642	18943	18677
15°	20155	20012	18814
20°	20747	21260	18958
25°	21845	22894	19398
30°	23005	24787	18677
35°	24523	26810	18232
40°	24425	28795	17824
45°	27084	29968	10210
50°	28229	33995	7545
55°	29017	36176	4492
60°	28933	38991	689
65°	26146	39447	0
70°	26547	37706	0
75°	20761	35187	0
80°	20629	32848	0
85°	15176	22290	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	2.4
10°-20°	39.1	7.3
20°-30°	65.5	12.3
30°-40°	89.3	16.8
40°-50°	100.3	18.8
50°-60°	95.8	18.0
60°-70°	75.2	14.1
70°-80°	43.7	8.2
80°-90°	10.9	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°	117.5	22.1
0°-40°	206.8	38.8
0°-60°	402.9	75.6
0°-90°	532.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	134	134	134	134	134	
5°	134	139	133	132	134	13
15°	141	138	140	133	132	40
25°	144	147	151	131	128	66
35°	146	153	159	125	108	90
45°	139	144	154	111	52	105
55°	121	128	151	70	19	107
65°	80	99	121	38	0	83
75°	39	54	66	19	0	45
85°	10	11	14	4	0	12
90°	0	0	0	0	0	



TEST NUMBER: P394820

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T2-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3
2.5°	132.5	139.9	138.1	135.0	132.3	133.5	134.6	138.3	133.0	134.5	132.6
5°	133.5	132.9	136.3	131.0	133.4	139.2	126.5	132.4	133.7	134.9	133.1
7.5°	134.7	136.2	137.1	140.9	132.9	138.6	137.2	138.0	142.6	136.0	134.1
10°	140.4	144.1	139.2	129.2	134.2	136.9	139.2	138.1	139.1	137.4	135.4
12.5°	137.3	138.7	140.6	142.2	138.1	138.3	136.8	138.6	150.6	138.8	132.0
15°	141.3	151.6	142.1	140.0	139.9	138.5	143.0	141.5	141.8	140.9	140.3
17.5°	140.2	143.9	143.8	141.5	137.7	146.9	145.3	143.3	154.1	143.3	136.3
20°	141.5	145.5	145.2	143.0	143.8	143.5	138.6	145.5	146.4	141.3	145.0
22.5°	142.4	150.4	145.0	134.3	145.2	150.5	149.4	149.4	148.6	148.3	146.9
25°	143.7	147.1	145.5	140.2	137.2	146.8	147.7	154.2	151.6	151.3	150.6
27.5°	144.9	147.3	147.5	145.5	148.8	154.0	154.2	151.8	154.4	153.8	148.4
30°	144.6	147.7	148.3	147.1	139.4	149.8	153.1	154.7	155.3	155.8	155.8
32.5°	145.2	153.4	150.2	143.1	146.1	146.9	155.2	159.8	160.9	158.0	155.0
35°	145.8	147.8	149.1	143.5	152.7	152.7	157.1	157.4	161.4	159.1	159.4
37.5°	144.6	146.9	144.7	148.4	147.1	152.9	160.3	157.4	159.6	162.1	156.3
40°	135.8	148.4	143.0	143.3	146.6	157.6	160.0	162.7	162.2	158.5	160.1
42.5°	141.1	145.5	144.4	144.7	144.9	155.3	157.1	161.7	158.7	162.5	159.6
45°	139.0	143.0	142.1	142.6	148.2	143.8	157.5	155.2	158.6	158.7	153.8
47.5°	126.9	143.3	139.3	140.5	145.5	146.2	155.6	154.4	162.1	158.9	152.9
50°	131.7	138.7	130.3	136.7	142.8	148.4	152.9	156.5	156.3	152.9	158.6
52.5°	126.4	126.4	129.7	127.0	135.0	140.1	149.1	148.0	154.7	159.4	154.5
55°	120.8	119.4	123.4	111.8	129.1	128.0	144.2	155.0	156.0	142.6	150.6
57.5°	112.7	115.7	118.0	118.2	119.9	128.7	137.5	144.2	146.9	145.8	146.0
60°	105.0	103.7	109.6	106.4	114.5	117.9	134.5	133.4	140.4	140.2	141.5
62.5°	96.3	94.7	97.8	101.4	106.9	110.3	124.7	125.1	132.3	135.9	130.7
65°	80.2	85.6	88.5	90.8	96.8	99.3	110.9	112.7	119.1	121.3	121.0
67.5°	75.2	74.5	77.9	78.6	84.6	89.5	104.7	102.7	108.1	114.1	109.7
70°	65.9	64.5	67.2	68.4	74.2	77.8	85.6	89.6	94.8	97.8	93.6
72.5°	52.1	53.6	58.3	58.9	61.9	65.1	77.2	76.2	84.7	86.4	83.0
75°	39.0	43.7	46.5	46.8	50.4	53.9	62.7	64.8	71.8	69.0	66.1
77.5°	35.1	34.1	36.4	37.7	40.0	42.8	47.5	49.6	57.1	54.6	54.7
80°	26.0	25.0	26.8	26.9	29.5	31.2	34.2	36.6	40.4	40.0	41.4
82.5°	17.4	17.2	17.9	18.3	19.8	21.2	23.2	24.7	26.6	27.1	26.5
85°	9.6	9.7	10.8	10.8	10.9	11.4	12.4	13.6	14.2	14.5	14.1
87.5°	4.7	4.9	4.9	4.6	4.6	4.4	4.5	4.8	5.4	5.1	4.9
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: P394820

CATALOG NUMBER: 303-A1-LEDB1-3000-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3
2.5°	136.0	134.4	131.8	134.3	132.9	127.5	131.2	139.0	133.7	129.0
5°	136.2	134.2	131.5	133.3	132.3	132.0	132.9	134.1	132.5	134.3
7.5°	137.2	133.7	131.7	133.6	136.8	134.2	129.9	136.8	130.9	128.9
10°	138.5	134.7	132.3	129.8	136.9	129.2	129.8	131.6	130.3	133.5
12.5°	136.3	136.4	133.2	134.6	132.3	126.9	125.4	130.9	130.2	130.2
15°	142.6	138.1	137.9	135.8	133.1	134.3	129.1	130.1	129.6	131.9
17.5°	144.7	140.7	138.2	137.5	134.0	129.9	128.9	129.2	129.0	130.1
20°	150.4	141.9	140.2	139.0	134.8	134.9	128.5	128.0	124.7	129.3
22.5°	146.9	146.1	140.3	140.4	135.3	131.2	127.7	126.4	122.6	129.2
25°	152.9	145.0	143.3	141.9	131.2	130.8	126.6	124.9	124.2	127.6
27.5°	153.3	146.8	145.0	138.1	131.3	128.0	122.9	121.7	116.4	125.4
30°	167.5	153.3	139.5	143.7	135.7	131.6	122.8	119.9	113.0	117.4
32.5°	159.1	150.2	142.6	144.1	132.1	129.0	119.8	118.2	109.1	113.2
35°	165.5	154.2	148.2	142.6	124.8	125.7	115.8	110.2	110.7	108.4
37.5°	166.8	156.3	147.8	138.0	125.7	121.5	108.1	104.6	102.7	101.9
40°	159.4	154.5	143.3	140.5	124.3	116.0	99.7	97.2	90.1	99.1
42.5°	160.3	153.6	143.1	133.5	118.2	109.4	96.9	85.6	78.9	77.8
45°	156.7	151.8	136.8	128.2	110.9	101.7	79.5	58.3	51.4	52.4
47.5°	155.0	139.5	137.2	122.7	107.0	90.5	61.7	49.8	43.6	41.9
50°	152.9	146.2	124.3	117.9	101.1	69.6	48.1	39.1	34.5	35.2
52.5°	153.4	143.8	128.1	111.6	89.6	58.0	45.4	32.6	29.2	28.2
55°	145.5	134.5	122.5	104.2	70.4	50.7	38.7	25.5	20.4	18.7
57.5°	140.3	130.5	115.5	94.9	61.2	43.6	29.1	10.7	7.5	7.4
60°	137.2	125.9	107.7	84.3	56.5	36.7	17.8	6.0	3.1	2.5
62.5°	129.1	114.6	95.0	70.5	49.0	24.6	13.5	2.7	0.0	0.0
65°	114.4	104.3	82.6	60.2	38.4	20.0	9.9	1.7	0.0	0.0
67.5°	104.0	87.7	76.2	53.7	31.8	16.6	9.0	1.6	0.0	0.0
70°	91.2	85.2	66.1	45.8	27.8	13.8	7.4	1.3	0.0	0.0
72.5°	78.3	70.4	58.2	39.4	22.6	11.6	6.1	1.2	0.0	0.0
75°	63.8	59.6	46.1	30.7	18.9	9.7	4.9	1.0	0.0	0.0
77.5°	49.1	46.4	37.3	25.3	15.1	7.7	4.0	0.7	0.0	0.0
80°	38.9	34.4	26.4	17.4	10.9	5.6	2.8	0.6	0.0	0.0
82.5°	25.5	21.8	17.8	12.2	7.4	3.6	1.9	0.3	0.0	0.0
85°	13.4	11.8	9.9	6.5	4.2	2.1	1.1	0.3	0.0	0.0
87.5°	4.9	4.0	3.4	2.3	1.6	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)