

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: P394831

Luminaire Tested: **303-A1-LEDB1-4000-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394831  
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-LEDB1-4000-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 2  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

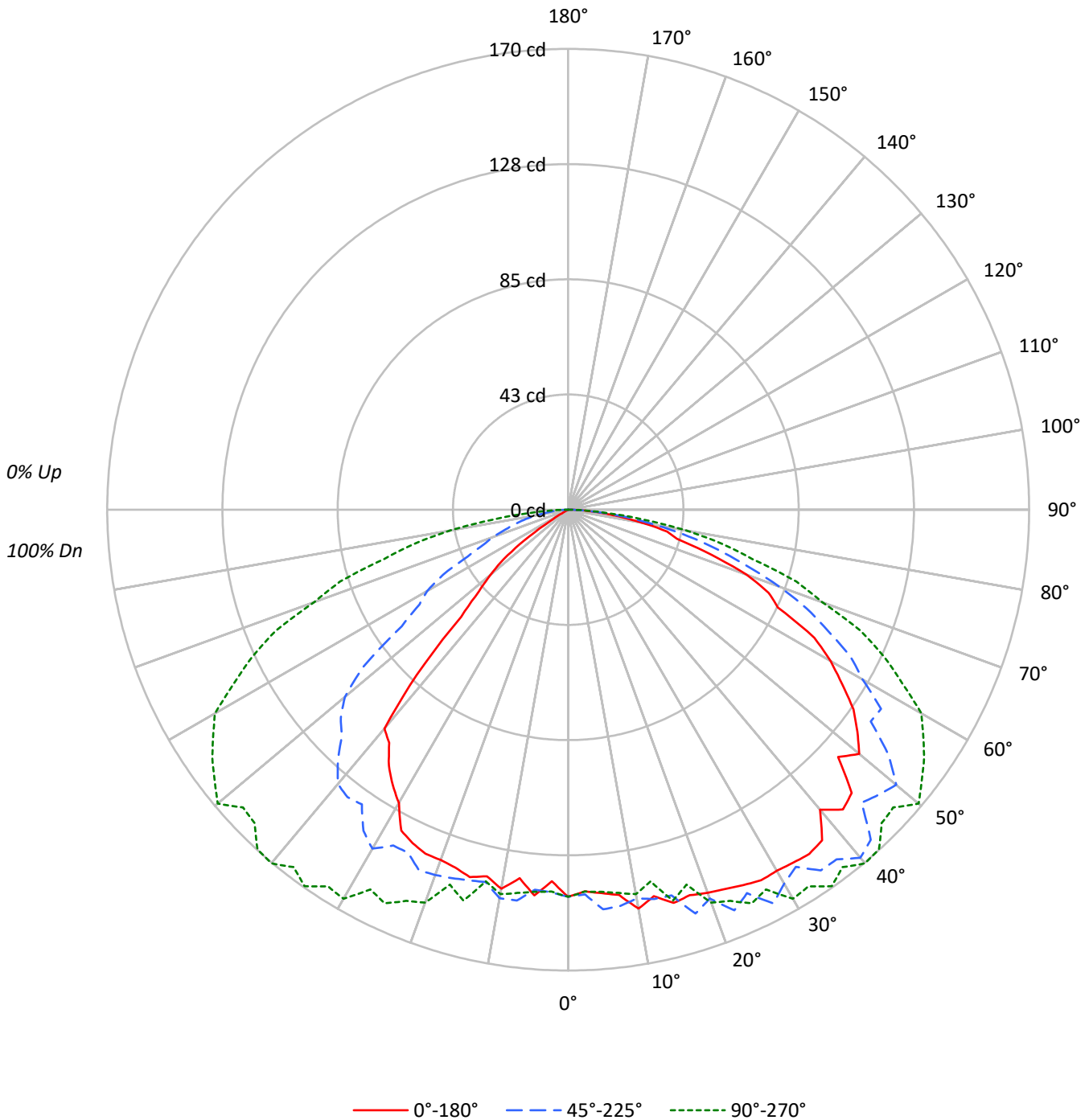
Lumens per Lamp: N/A  
Luminaire Lumens: 566.5 lumens  
Efficiency: N/A  
Efficacy: 69.1 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
CIE Type: Direct

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	49	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°	19675	19675	19675
5°	19639	19570	19750
10°	20902	20146	19866
15°	21424	21296	20012
20°	22052	22609	20160
25°	23229	24354	20629
30°	24468	26362	19871
35°	26070	28509	19393
40°	25989	30630	18957
45°	28799	31858	10873
50°	30030	36160	8038
55°	30843	38482	4780
60°	30780	41444	716
65°	27809	41958	0
70°	28199	40123	0
75°	22092	37423	0
80°	21978	34911	0
85°	16124	23712	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.7	2.4
10°-20°	41.6	7.3
20°-30°	69.7	12.3
30°-40°	95.0	16.8
40°-50°	106.7	18.8
50°-60°	101.9	18.0
60°-70°	79.9	14.1
70°-80°	46.5	8.2
80°-90°	11.6	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°	124.9	22.1
0°-40°	219.9	38.8
0°-60°	428.5	75.6
0°-90°	566.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	566.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	143	143	143	143	143	
5°	142	148	142	141	143	14
15°	150	147	149	142	140	42
25°	153	156	160	140	136	71
35°	155	162	170	133	115	96
45°	148	153	164	118	56	111
55°	128	136	160	75	20	114
65°	85	106	129	41	0	89
75°	42	57	70	20	0	48
85°	10	12	15	4	0	13
90°	0	0	0	0	0	



TEST NUMBER: P394831

CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T2-DIM10

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	140.9	148.8	146.9	143.6	140.7	142.0	143.1	147.1	141.4	143.0	141.0
5°	142.0	141.3	145.0	139.3	141.9	148.0	134.5	140.8	142.2	143.5	141.5
7.5°	143.3	144.9	145.8	149.8	141.3	147.4	145.9	146.7	151.6	144.7	142.6
10°	149.4	153.3	148.0	137.4	142.7	145.6	148.0	146.9	147.9	146.1	144.0
12.5°	146.0	147.5	149.6	151.2	146.9	147.1	145.4	147.4	160.2	147.6	140.4
15°	150.2	161.2	151.1	148.9	148.8	147.3	152.1	150.5	150.8	149.8	149.3
17.5°	149.1	153.1	152.9	150.4	146.4	156.2	154.5	152.4	163.8	152.4	145.0
20°	150.4	154.7	154.4	152.1	152.9	152.6	147.4	154.7	155.7	150.2	154.2
22.5°	151.4	159.9	154.2	142.8	154.4	160.0	158.8	158.8	158.1	157.7	156.2
25°	152.8	156.4	154.7	149.1	145.9	156.1	157.1	164.0	161.2	160.9	160.2
27.5°	154.1	156.7	156.9	154.7	158.3	163.7	164.0	161.4	164.2	163.5	157.9
30°	153.8	157.1	157.7	156.4	148.3	159.3	162.9	164.5	165.2	165.7	165.7
32.5°	154.4	163.1	159.7	152.2	155.4	156.2	165.0	170.0	171.2	168.0	164.8
35°	155.0	157.2	158.6	152.6	162.4	162.4	167.1	167.4	171.7	169.2	169.5
37.5°	153.8	156.2	153.9	157.9	156.4	162.6	170.5	167.4	169.7	172.3	166.2
40°	144.5	157.9	152.1	152.4	155.9	167.6	170.2	173.0	172.5	168.5	170.3
42.5°	150.0	154.7	153.6	153.9	154.1	165.2	167.1	172.0	168.8	172.8	169.7
45°	147.8	152.1	151.1	151.7	157.6	152.9	167.5	165.0	168.7	168.8	163.5
47.5°	135.0	152.4	148.2	149.5	154.7	155.5	165.5	164.2	172.3	169.0	162.6
50°	140.1	147.5	138.6	145.3	151.9	157.9	162.7	166.5	166.2	162.7	168.7
52.5°	134.4	134.4	137.9	135.1	143.6	149.0	158.6	157.4	164.5	169.5	164.3
55°	128.4	127.0	131.3	118.9	137.3	136.2	153.4	164.8	165.9	151.7	160.2
57.5°	119.8	123.0	125.5	125.7	127.5	136.8	146.2	153.4	156.2	155.0	155.2
60°	111.7	110.3	116.6	113.2	121.8	125.4	143.0	141.9	149.4	149.1	150.4
62.5°	102.4	100.7	104.0	107.9	113.7	117.3	132.6	133.0	140.7	144.6	139.0
65°	85.3	91.1	94.1	96.5	103.0	105.6	118.0	119.8	126.7	129.0	128.7
67.5°	80.0	79.2	82.8	83.6	90.0	95.2	111.3	109.3	114.9	121.4	116.7
70°	70.0	68.6	71.5	72.8	78.9	82.7	91.1	95.3	100.8	104.0	99.6
72.5°	55.4	57.0	62.0	62.6	65.8	69.2	82.1	81.1	90.1	91.8	88.2
75°	41.5	46.5	49.5	49.8	53.6	57.3	66.7	69.0	76.4	73.4	70.3
77.5°	37.4	36.3	38.7	40.1	42.5	45.5	50.5	52.7	60.7	58.1	58.2
80°	27.7	26.6	28.5	28.6	31.4	33.2	36.4	38.9	42.9	42.5	44.0
82.5°	18.5	18.3	19.1	19.5	21.0	22.5	24.6	26.3	28.3	28.9	28.2
85°	10.2	10.4	11.4	11.4	11.5	12.1	13.2	14.5	15.1	15.5	15.0
87.5°	5.0	5.2	5.2	4.9	4.9	4.7	4.8	5.1	5.8	5.4	5.2
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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CATALOG NUMBER: 303-A1-LEDB1-4000-UNV-T2-DIM10

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	144.7	142.9	140.2	142.8	141.3	135.6	139.6	147.8	142.2	137.2
5°	144.9	142.7	139.9	141.7	140.7	140.4	141.3	142.6	140.9	142.8
7.5°	145.9	142.2	140.1	142.1	145.4	142.7	138.1	145.4	139.2	137.1
10°	147.3	143.3	140.7	138.0	145.5	137.4	138.0	140.0	138.6	142.0
12.5°	145.0	145.1	141.6	143.1	140.7	135.0	133.3	139.2	138.5	138.5
15°	151.6	146.9	146.6	144.5	141.5	142.8	137.3	138.4	137.8	140.3
17.5°	153.9	149.6	147.0	146.2	142.5	138.1	137.0	137.4	137.2	138.4
20°	159.9	150.9	149.1	147.8	143.4	143.5	136.6	136.2	132.6	137.5
22.5°	156.2	155.4	149.3	149.4	143.9	139.5	135.8	134.4	130.4	137.4
25°	162.6	154.2	152.4	150.9	139.6	139.1	134.6	132.8	132.0	135.7
27.5°	163.0	156.1	154.2	146.9	139.7	136.2	130.7	129.4	123.8	133.4
30°	178.1	163.0	148.4	152.8	144.4	140.0	130.6	127.5	120.2	124.9
32.5°	169.2	159.7	151.6	153.3	140.5	137.2	127.4	125.7	116.0	120.4
35°	176.0	164.0	157.6	151.6	132.7	133.7	123.1	117.2	117.8	115.3
37.5°	177.4	166.2	157.2	146.8	133.7	129.2	114.9	111.2	109.3	108.4
40°	169.5	164.3	152.4	149.5	132.1	123.3	106.0	103.4	95.9	105.4
42.5°	170.5	163.3	152.2	142.0	125.7	116.4	103.1	91.1	83.9	82.7
45°	166.7	161.4	145.4	136.3	118.0	108.2	84.5	62.0	54.7	55.8
47.5°	164.8	148.4	145.9	130.5	113.8	96.2	65.6	53.0	46.4	44.6
50°	162.6	155.5	132.2	125.4	107.5	74.0	51.2	41.6	36.7	37.5
52.5°	163.1	152.9	136.2	118.6	95.3	61.7	48.3	34.6	31.1	30.0
55°	154.7	143.0	130.3	110.8	74.9	53.9	41.2	27.1	21.7	19.9
57.5°	149.3	138.8	122.8	100.9	65.0	46.4	30.9	11.3	8.0	7.8
60°	145.9	133.9	114.5	89.7	60.1	39.0	18.9	6.4	3.3	2.6
62.5°	137.3	121.9	101.0	75.0	52.1	26.1	14.4	2.8	0.0	0.0
65°	121.7	110.9	87.8	64.1	40.9	21.2	10.6	1.8	0.0	0.0
67.5°	110.6	93.3	81.1	57.1	33.8	17.6	9.6	1.7	0.0	0.0
70°	97.0	90.6	70.3	48.7	29.5	14.7	7.9	1.4	0.0	0.0
72.5°	83.2	74.8	61.9	41.9	24.1	12.3	6.5	1.3	0.0	0.0
75°	67.9	63.4	49.0	32.7	20.1	10.3	5.2	1.1	0.0	0.0
77.5°	52.2	49.3	39.7	26.9	16.0	8.2	4.2	0.8	0.0	0.0
80°	41.4	36.6	28.1	18.5	11.6	6.0	2.9	0.6	0.0	0.0
82.5°	27.1	23.2	19.0	13.0	7.9	3.8	2.1	0.3	0.0	0.0
85°	14.3	12.5	10.6	6.9	4.5	2.2	1.2	0.3	0.0	0.0
87.5°	5.2	4.3	3.6	2.4	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)