

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: P394837

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

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394837
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-TSAM-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 2
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

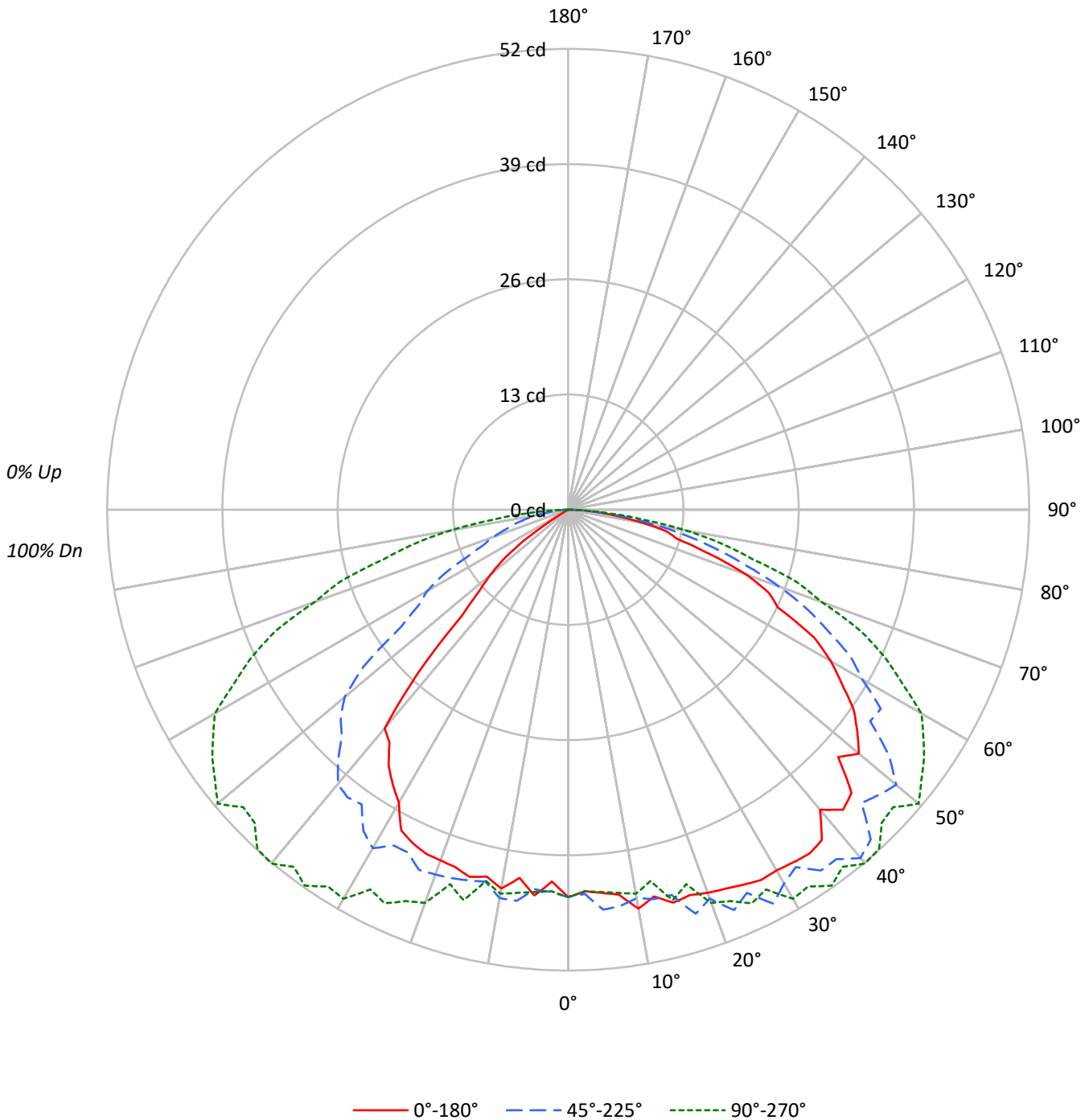
Lumens per Lamp: N/A
Luminaire Lumens: 173.2 lumens
Efficiency: N/A
Efficacy: 26.6 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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°	6021	6021	6021
5°	6002	5989	6044
10°	6394	6156	6072
15°	6547	6504	6119
20°	6745	6920	6173
25°	7099	7449	6309
30°	7477	8066	6077
35°	7973	8713	5937
40°	7950	9371	5791
45°	8807	9742	3312
50°	9174	11060	2465
55°	9440	11770	1465
60°	9424	12676	220
65°	8509	12845	0
70°	8621	12246	0
75°	6761	11445	0
80°	6744	10711	0
85°	4901	7272	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	2.4
10°-20°	12.7	7.3
20°-30°	21.3	12.3
30°-40°	29.0	16.8
40°-50°	32.6	18.8
50°-60°	31.2	18.0
60°-70°	24.4	14.1
70°-80°	14.2	8.2
80°-90°	3.5	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°	38.2	22.1
0°-40°	67.2	38.8
0°-60°	131.0	75.6
0°-90°	173.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	173.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	43	45	43	43	44	4
15°	46	45	46	43	43	13
25°	47	48	49	43	42	22
35°	47	50	52	41	35	29
45°	45	47	50	36	17	34
55°	39	42	49	23	6	35
65°	26	32	39	12	0	27
75°	13	18	22	6	0	15
85°	3	4	5	1	0	4
90°	0	0	0	0	0	



TEST NUMBER: P394837

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	43.1	45.5	44.9	43.9	43.0	43.4	43.8	45.0	43.3	43.7	43.1
5°	43.4	43.2	44.3	42.6	43.4	45.3	41.1	43.1	43.5	43.9	43.3
7.5°	43.8	44.3	44.6	45.8	43.2	45.1	44.6	44.9	46.4	44.2	43.6
10°	45.7	46.9	45.3	42.0	43.6	44.5	45.3	44.9	45.2	44.7	44.0
12.5°	44.7	45.1	45.7	46.2	44.9	45.0	44.5	45.1	49.0	45.1	42.9
15°	45.9	49.3	46.2	45.5	45.5	45.0	46.5	46.0	46.1	45.8	45.6
17.5°	45.6	46.8	46.8	46.0	44.8	47.8	47.3	46.6	50.1	46.6	44.3
20°	46.0	47.3	47.2	46.5	46.8	46.7	45.1	47.3	47.6	45.9	47.2
22.5°	46.3	48.9	47.2	43.7	47.2	48.9	48.6	48.6	48.3	48.2	47.8
25°	46.7	47.8	47.3	45.6	44.6	47.7	48.0	50.2	49.3	49.2	49.0
27.5°	47.1	47.9	48.0	47.3	48.4	50.1	50.2	49.4	50.2	50.0	48.3
30°	47.0	48.0	48.2	47.8	45.3	48.7	49.8	50.3	50.5	50.7	50.7
32.5°	47.2	49.9	48.8	46.5	47.5	47.8	50.5	52.0	52.3	51.4	50.4
35°	47.4	48.1	48.5	46.7	49.7	49.7	51.1	51.2	52.5	51.7	51.8
37.5°	47.0	47.8	47.0	48.3	47.8	49.7	52.1	51.2	51.9	52.7	50.8
40°	44.2	48.3	46.5	46.6	47.7	51.3	52.0	52.9	52.8	51.5	52.1
42.5°	45.9	47.3	47.0	47.0	47.1	50.5	51.1	52.6	51.6	52.9	51.9
45°	45.2	46.5	46.2	46.4	48.2	46.8	51.2	50.5	51.6	51.6	50.0
47.5°	41.3	46.6	45.3	45.7	47.3	47.6	50.6	50.2	52.7	51.7	49.7
50°	42.8	45.1	42.4	44.4	46.5	48.3	49.7	50.9	50.8	49.7	51.6
52.5°	41.1	41.1	42.2	41.3	43.9	45.6	48.5	48.1	50.3	51.8	50.2
55°	39.3	38.8	40.1	36.4	42.0	41.6	46.9	50.4	50.7	46.4	49.0
57.5°	36.6	37.6	38.4	38.4	39.0	41.8	44.7	46.9	47.8	47.4	47.5
60°	34.2	33.7	35.7	34.6	37.2	38.3	43.7	43.4	45.7	45.6	46.0
62.5°	31.3	30.8	31.8	33.0	34.8	35.9	40.6	40.7	43.0	44.2	42.5
65°	26.1	27.8	28.8	29.5	31.5	32.3	36.1	36.6	38.7	39.5	39.4
67.5°	24.5	24.2	25.3	25.6	27.5	29.1	34.0	33.4	35.1	37.1	35.7
70°	21.4	21.0	21.9	22.3	24.1	25.3	27.8	29.1	30.8	31.8	30.4
72.5°	16.9	17.4	19.0	19.1	20.1	21.2	25.1	24.8	27.5	28.1	27.0
75°	12.7	14.2	15.1	15.2	16.4	17.5	20.4	21.1	23.4	22.4	21.5
77.5°	11.4	11.1	11.8	12.3	13.0	13.9	15.4	16.1	18.6	17.8	17.8
80°	8.5	8.1	8.7	8.7	9.6	10.1	11.1	11.9	13.1	13.0	13.5
82.5°	5.7	5.6	5.8	6.0	6.4	6.9	7.5	8.0	8.6	8.8	8.6
85°	3.1	3.2	3.5	3.5	3.5	3.7	4.0	4.4	4.6	4.7	4.6
87.5°	1.5	1.6	1.6	1.5	1.5	1.4	1.5	1.6	1.8	1.6	1.6
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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CATALOG NUMBER: 303-A1-LEDB1-TSAM-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	44.2	43.7	42.9	43.7	43.2	41.5	42.7	45.2	43.5	42.0
5°	44.3	43.6	42.8	43.3	43.0	42.9	43.2	43.6	43.1	43.7
7.5°	44.6	43.5	42.8	43.5	44.5	43.6	42.2	44.5	42.6	41.9
10°	45.0	43.8	43.0	42.2	44.5	42.0	42.2	42.8	42.4	43.4
12.5°	44.3	44.4	43.3	43.8	43.0	41.3	40.8	42.6	42.4	42.4
15°	46.4	44.9	44.8	44.2	43.3	43.7	42.0	42.3	42.1	42.9
17.5°	47.0	45.8	45.0	44.7	43.6	42.2	41.9	42.0	42.0	42.3
20°	48.9	46.2	45.6	45.2	43.8	43.9	41.8	41.6	40.6	42.1
22.5°	47.8	47.5	45.6	45.7	44.0	42.7	41.5	41.1	39.9	42.0
25°	49.7	47.2	46.6	46.2	42.7	42.5	41.2	40.6	40.4	41.5
27.5°	49.9	47.7	47.2	44.9	42.7	41.6	40.0	39.6	37.9	40.8
30°	54.5	49.9	45.4	46.7	44.1	42.8	39.9	39.0	36.8	38.2
32.5°	51.7	48.8	46.4	46.9	43.0	42.0	39.0	38.4	35.5	36.8
35°	53.8	50.2	48.2	46.4	40.6	40.9	37.7	35.8	36.0	35.3
37.5°	54.3	50.8	48.1	44.9	40.9	39.5	35.1	34.0	33.4	33.1
40°	51.8	50.2	46.6	45.7	40.4	37.7	32.4	31.6	29.3	32.2
42.5°	52.1	50.0	46.5	43.4	38.4	35.6	31.5	27.8	25.7	25.3
45°	51.0	49.4	44.5	41.7	36.1	33.1	25.8	19.0	16.7	17.0
47.5°	50.4	45.4	44.6	39.9	34.8	29.4	20.1	16.2	14.2	13.6
50°	49.7	47.6	40.4	38.3	32.9	22.6	15.6	12.7	11.2	11.5
52.5°	49.9	46.8	41.7	36.3	29.1	18.9	14.8	10.6	9.5	9.2
55°	47.3	43.7	39.8	33.9	22.9	16.5	12.6	8.3	6.6	6.1
57.5°	45.6	42.4	37.6	30.9	19.9	14.2	9.5	3.5	2.5	2.4
60°	44.6	40.9	35.0	27.4	18.4	11.9	5.8	1.9	1.0	0.8
62.5°	42.0	37.3	30.9	22.9	15.9	8.0	4.4	0.9	0.0	0.0
65°	37.2	33.9	26.9	19.6	12.5	6.5	3.2	0.5	0.0	0.0
67.5°	33.8	28.5	24.8	17.5	10.3	5.4	2.9	0.5	0.0	0.0
70°	29.7	27.7	21.5	14.9	9.0	4.5	2.4	0.4	0.0	0.0
72.5°	25.5	22.9	18.9	12.8	7.4	3.8	2.0	0.4	0.0	0.0
75°	20.8	19.4	15.0	10.0	6.2	3.1	1.6	0.3	0.0	0.0
77.5°	16.0	15.1	12.1	8.2	4.9	2.5	1.3	0.2	0.0	0.0
80°	12.7	11.2	8.6	5.7	3.6	1.8	0.9	0.2	0.0	0.0
82.5°	8.3	7.1	5.8	4.0	2.4	1.2	0.6	0.1	0.0	0.0
85°	4.4	3.8	3.2	2.1	1.4	0.7	0.4	0.1	0.0	0.0
87.5°	1.6	1.3	1.1	0.7	0.5	0.2	0.1	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)