

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: P394937

Luminaire Tested: **303-A1-LEDB2-3000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-A1-LEDB2-3000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

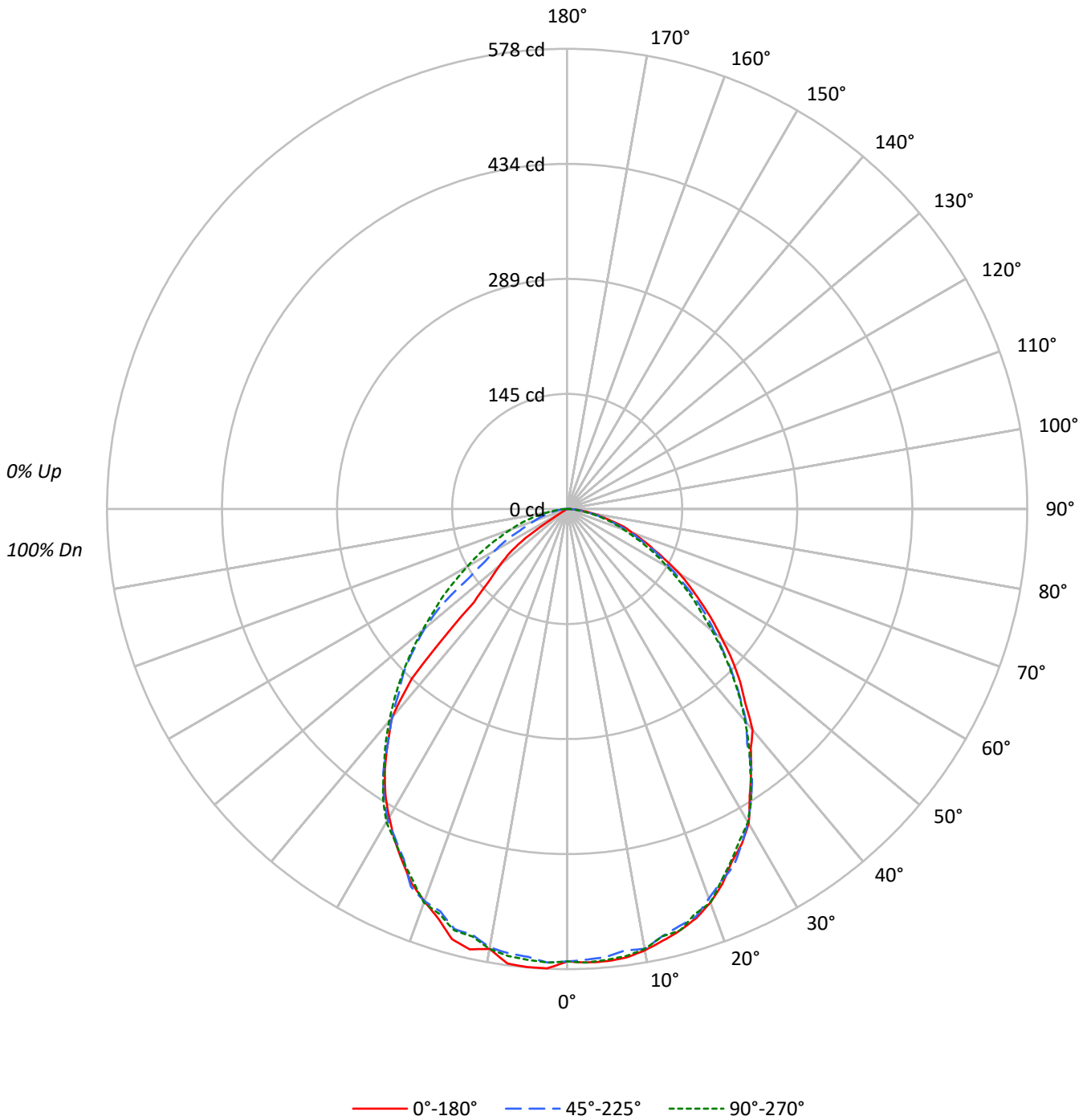
Lumens per Lamp: N/A
Luminaire Lumens: 1189.9 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
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	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					100			
1	110	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89					87				
2	102	95	89	84	99	93	87	83	89	85	81	86	83	79	83	80	77					75				
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68					66				
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60					58				
5	81	69	61	55	79	68	60	54	66	59	54	64	58	53	62	57	53					51				
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47					45				
7	70	57	49	44	68	56	49	43	55	48	43	54	47	43	52	47	43					41				
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	39					37				
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35					33				
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32					31				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	39157	39157	39157
5°	39431	39307	39943
10°	39376	39244	39244
15°	39091	39091	39882
20°	38569	38569	38430
25°	37193	37048	37193
30°	36290	36138	35558
35°	33875	33724	33572
40°	32591	31260	30765
45°	29929	28497	16124
50°	27201	25432	11832
55°	24742	22760	7735
60°	22555	20019	510
65°	19496	17686	0
70°	17423	15187	0
75°	15172	13229	0
80°	13132	10235	0
85°	10196	7272	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	4.5
10°-20°	153.9	12.9
20°-30°	225.4	18.9
30°-40°	250.1	21.0
40°-50°	216.5	18.2
50°-60°	149.7	12.6
60°-70°	87.4	7.3
70°-80°	42.7	3.6
80°-90°	10.3	0.9
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°	433.2	36.4
0°-40°	683.3	57.4
0°-60°	1049.5	88.2
0°-90°	1189.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	568	568	568	568	568	
5°	570	565	568	565	578	54
15°	548	543	548	546	559	154
25°	489	495	487	486	489	226
35°	403	405	401	403	399	253
45°	307	294	292	291	166	237
55°	206	197	190	149	64	185
65°	120	116	108	68	0	120
75°	57	53	50	28	0	62
85°	13	13	9	6	0	16
90°	0	0	0	0	0	



TEST NUMBER: P394937

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	568.4	568.4	568.4	568.4	568.4	568.4	568.4	568.4	568.4	568.4	568.4
2.5°	570.2	559.2	559.2	566.5	573.9	566.5	575.7	566.5	570.2	564.7	570.2
5°	570.2	562.9	561.0	557.3	566.5	564.7	577.6	566.5	566.5	568.4	568.4
7.5°	568.4	561.0	559.2	557.3	555.5	559.2	581.3	570.2	564.7	566.5	566.5
10°	562.9	555.5	553.7	538.9	559.2	561.0	562.9	557.3	559.2	555.5	561.0
12.5°	555.5	550.0	542.6	551.8	548.1	550.0	553.7	573.9	553.7	550.0	550.0
15°	548.1	535.3	537.1	544.5	540.8	542.6	544.5	544.5	546.3	546.3	548.1
17.5°	538.9	531.6	527.9	527.9	535.3	537.1	535.3	548.1	535.3	537.1	533.4
20°	526.1	511.4	516.9	520.6	529.8	520.6	527.9	522.4	524.2	513.2	526.1
22.5°	509.5	493.0	494.8	496.6	504.0	505.8	513.2	505.8	509.5	498.5	505.8
25°	489.3	485.6	485.6	489.3	496.6	494.8	500.3	496.6	491.1	487.4	487.4
27.5°	474.6	467.2	467.2	458.0	472.7	474.6	476.4	476.4	463.5	469.1	469.1
30°	456.2	441.5	445.1	450.7	450.7	454.3	450.7	454.3	450.7	450.7	454.3
32.5°	426.7	419.4	419.4	423.1	426.7	430.4	434.1	428.6	426.7	428.6	430.4
35°	402.8	401.0	399.2	402.8	410.2	404.7	401.0	413.9	391.8	399.2	401.0
37.5°	378.9	377.1	375.2	371.6	375.2	371.6	375.2	373.4	369.7	375.2	375.2
40°	362.4	351.3	345.8	345.8	349.5	349.5	345.8	347.6	340.3	344.0	347.6
42.5°	331.1	332.9	327.4	325.6	321.9	321.9	320.1	320.1	320.1	314.5	320.1
45°	307.2	301.7	301.7	299.8	296.1	294.3	292.5	286.9	292.5	290.6	292.5
47.5°	281.4	279.6	274.1	272.2	272.2	266.7	263.0	263.0	261.2	261.2	264.9
50°	253.8	252.0	250.2	248.3	248.3	242.8	237.3	235.4	231.8	235.4	237.3
52.5°	229.9	228.1	222.6	224.4	224.4	220.7	211.5	209.7	213.4	211.5	211.5
55°	206.0	207.9	202.3	200.5	198.7	196.8	191.3	187.6	187.6	187.6	189.5
57.5°	183.9	183.9	180.3	178.4	174.7	172.9	171.1	165.5	165.5	163.7	165.5
60°	163.7	161.9	158.2	158.2	156.4	150.8	149.0	145.3	145.3	143.5	145.3
62.5°	139.8	136.1	139.8	136.1	136.1	134.3	130.6	126.9	123.2	123.2	126.9
65°	119.6	121.4	119.6	117.7	117.7	115.9	112.2	108.5	104.8	106.7	108.5
67.5°	103.0	103.0	101.2	99.3	101.2	97.5	93.8	92.0	90.1	90.1	90.1
70°	86.5	86.5	86.5	84.6	82.8	82.8	79.1	77.3	75.4	75.4	75.4
72.5°	75.4	71.7	69.9	68.1	68.1	66.2	64.4	62.5	60.7	62.5	62.5
75°	57.0	57.0	57.0	55.2	55.2	53.3	51.5	49.7	49.7	47.8	49.7
77.5°	44.1	44.1	44.1	42.3	42.3	40.5	38.6	38.6	36.8	36.8	36.8
80°	33.1	33.1	33.1	31.3	31.3	29.4	27.6	25.8	27.6	27.6	25.8
82.5°	22.1	22.1	22.1	20.2	20.2	20.2	18.4	18.4	16.6	16.6	16.6
85°	12.9	12.9	12.9	12.9	12.9	12.9	11.0	9.2	9.2	9.2	9.2
87.5°	7.4	7.4	7.4	7.4	7.4	5.5	5.5	3.7	3.7	3.7	3.7
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: P394937

CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T5X-DIM10

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	568.4	568.4	568.4	568.4	568.4	568.4	568.4	568.4	568.4	568.4
2.5°	566.5	566.5	566.5	570.2	570.2	553.7	572.1	572.1	564.7	577.6
5°	570.2	564.7	570.2	562.9	564.7	561.0	566.5	566.5	561.0	577.6
7.5°	566.5	568.4	562.9	568.4	562.9	561.0	577.6	566.5	566.5	575.7
10°	562.9	562.9	559.2	557.3	559.2	562.9	572.1	562.9	557.3	561.0
12.5°	555.5	557.3	561.0	553.7	548.1	557.3	561.0	557.3	546.3	566.5
15°	555.5	550.0	550.0	544.5	546.3	550.0	553.7	550.0	546.3	559.2
17.5°	538.9	537.1	537.1	533.4	529.8	540.8	550.0	538.9	538.9	538.9
20°	526.1	527.9	529.8	522.4	524.2	520.6	527.9	526.1	527.9	524.2
22.5°	515.0	511.4	511.4	511.4	513.2	513.2	513.2	511.4	493.0	509.5
25°	491.1	494.8	496.6	489.3	485.6	494.8	496.6	485.6	493.0	489.3
27.5°	470.9	470.9	476.4	470.9	467.2	463.5	481.9	474.6	463.5	469.1
30°	448.8	450.7	456.2	448.8	450.7	454.3	456.2	450.7	452.5	447.0
32.5°	430.4	424.9	434.1	426.7	428.6	428.6	430.4	424.9	419.4	424.9
35°	399.2	404.7	404.7	397.3	402.8	399.2	402.8	399.2	401.0	399.2
37.5°	377.1	369.7	378.9	373.4	369.7	371.6	377.1	367.9	373.4	369.7
40°	344.0	345.8	351.3	344.0	342.1	338.5	345.8	345.8	336.6	342.1
42.5°	325.6	316.4	323.7	318.2	312.7	320.1	318.2	305.3	279.6	288.8
45°	292.5	288.8	294.3	283.3	290.6	285.1	274.1	202.3	171.1	165.5
47.5°	261.2	257.5	266.7	259.4	261.2	253.8	185.8	136.1	130.6	130.6
50°	241.0	235.4	241.0	231.8	233.6	178.4	145.3	114.0	110.4	110.4
52.5°	213.4	213.4	217.1	207.9	200.5	132.4	123.2	97.5	95.6	92.0
55°	189.5	189.5	191.3	187.6	149.0	114.0	104.8	77.3	66.2	64.4
57.5°	163.7	165.5	167.4	161.9	121.4	97.5	80.9	22.1	11.0	9.2
60°	143.5	143.5	145.3	130.6	104.8	79.1	40.5	7.4	3.7	3.7
62.5°	126.9	125.1	126.9	106.7	88.3	46.0	31.3	3.7	0.0	0.0
65°	106.7	106.7	108.5	88.3	68.1	34.9	23.9	1.8	0.0	0.0
67.5°	90.1	90.1	92.0	75.4	53.3	29.4	20.2	1.8	0.0	0.0
70°	75.4	75.4	75.4	62.5	44.1	23.9	16.6	1.8	0.0	0.0
72.5°	60.7	60.7	60.7	51.5	36.8	20.2	12.9	0.0	0.0	0.0
75°	49.7	49.7	47.8	40.5	27.6	16.6	11.0	0.0	0.0	0.0
77.5°	36.8	36.8	38.6	31.3	22.1	11.0	7.4	0.0	0.0	0.0
80°	25.8	25.8	25.8	22.1	16.6	9.2	5.5	0.0	0.0	0.0
82.5°	16.6	16.6	18.4	14.7	11.0	5.5	3.7	0.0	0.0	0.0
85°	9.2	9.2	9.2	7.4	5.5	3.7	1.8	0.0	0.0	0.0
87.5°	3.7	3.7	3.7	3.7	1.8	1.8	0.0	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)