

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: P394947

Luminaire Tested: **303-A1-LEDB1-4000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394947
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-LEDB1-4000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

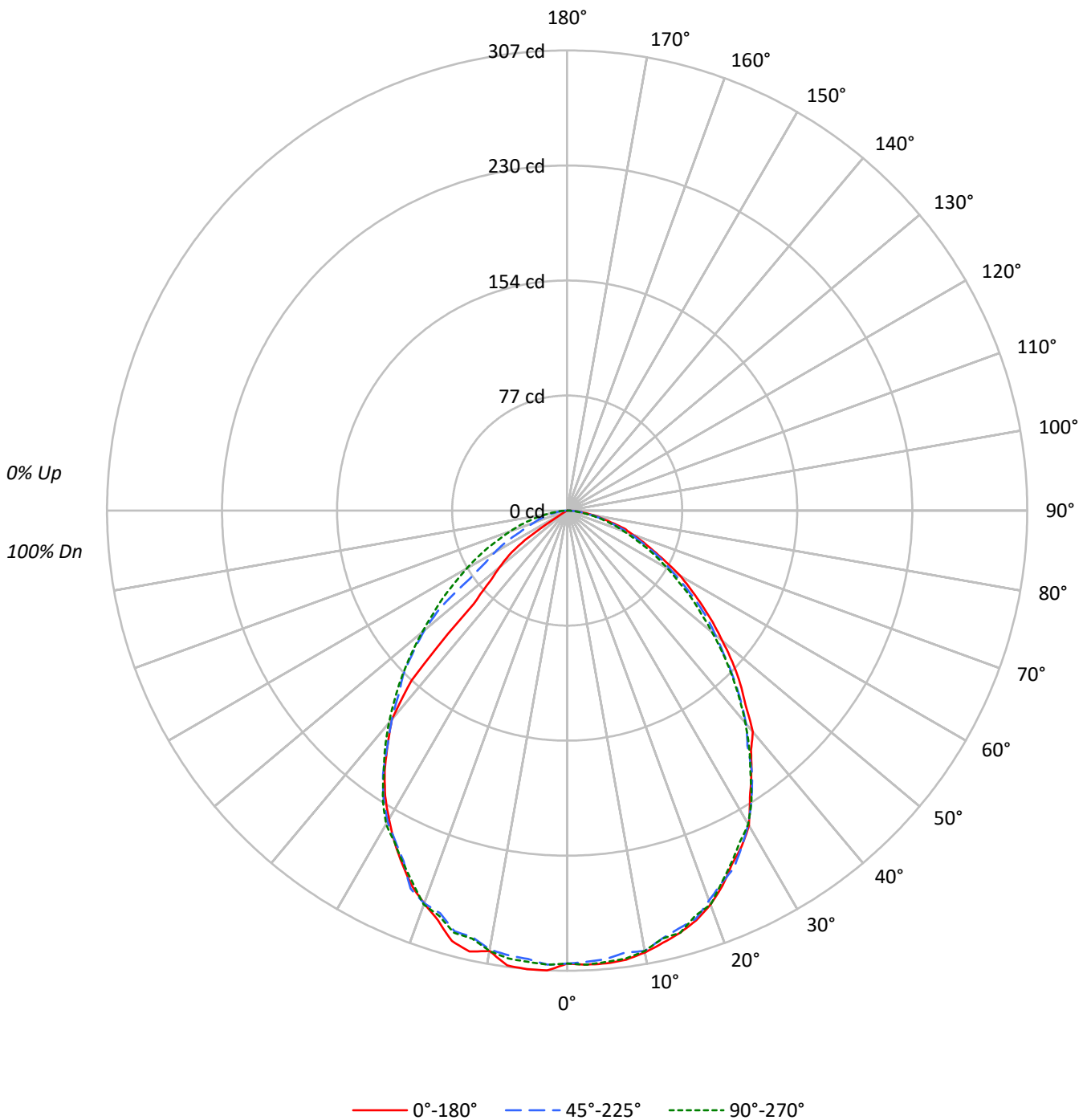
Lumens per Lamp: N/A
Luminaire Lumens: 632.7 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

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	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°	41637	41637	41637
5°	41934	41796	42473
10°	41873	41733	41733
15°	41579	41579	42406
20°	41010	41010	40878
25°	39556	39404	39556
30°	38596	38437	37816
35°	36028	35859	35691
40°	34658	33256	32716
45°	31819	30299	17147
50°	28937	27050	12582
55°	26303	24189	8215
60°	24001	21301	551
65°	20734	18811	0
70°	18530	16154	0
75°	16130	14054	0
80°	13964	10870	0
85°	10750	7746	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	4.5
10°-20°	81.8	12.9
20°-30°	119.9	18.9
30°-40°	133.0	21.0
40°-50°	115.1	18.2
50°-60°	79.6	12.6
60°-70°	46.5	7.3
70°-80°	22.7	3.6
80°-90°	5.5	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°	230.3	36.4
0°-40°	363.3	57.4
0°-60°	558.1	88.2
0°-90°	632.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	632.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	302	302	302	302	302	
5°	303	300	302	300	307	29
15°	292	288	292	290	297	82
25°	260	263	259	258	260	120
35°	214	215	213	214	212	134
45°	163	156	156	154	88	126
55°	110	105	101	79	34	98
65°	64	62	58	36	0	64
75°	30	28	26	15	0	33
85°	7	7	5	3	0	8
90°	0	0	0	0	0	



TEST NUMBER: P394947

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2
2.5°	303.2	297.3	297.3	301.3	305.2	301.3	306.1	301.3	303.2	300.3	303.2
5°	303.2	299.3	298.3	296.4	301.3	300.3	307.1	301.3	301.3	302.2	302.2
7.5°	302.2	298.3	297.3	296.4	295.4	297.3	309.1	303.2	300.3	301.3	301.3
10°	299.3	295.4	294.4	286.6	297.3	298.3	299.3	296.4	297.3	295.4	298.3
12.5°	295.4	292.5	288.5	293.4	291.5	292.5	294.4	305.2	294.4	292.5	292.5
15°	291.5	284.6	285.6	289.5	287.6	288.5	289.5	289.5	290.5	290.5	291.5
17.5°	286.6	282.7	280.7	280.7	284.6	285.6	284.6	291.5	284.6	285.6	283.6
20°	279.7	271.9	274.8	276.8	281.7	276.8	280.7	277.8	278.8	272.9	279.7
22.5°	270.9	262.1	263.1	264.1	268.0	269.0	272.9	269.0	270.9	265.1	269.0
25°	260.2	258.2	258.2	260.2	264.1	263.1	266.0	264.1	261.2	259.2	259.2
27.5°	252.4	248.4	248.4	243.5	251.4	252.4	253.3	253.3	246.5	249.4	249.4
30°	242.6	234.7	236.7	239.6	239.6	241.6	239.6	241.6	239.6	239.6	241.6
32.5°	226.9	223.0	223.0	225.0	226.9	228.9	230.8	227.9	226.9	227.9	228.9
35°	214.2	213.2	212.2	214.2	218.1	215.2	213.2	220.1	208.3	212.2	213.2
37.5°	201.5	200.5	199.5	197.6	199.5	197.6	199.5	198.6	196.6	199.5	199.5
40°	192.7	186.8	183.9	183.9	185.8	185.8	183.9	184.9	180.9	182.9	184.9
42.5°	176.1	177.0	174.1	173.1	171.2	171.2	170.2	170.2	170.2	167.3	170.2
45°	163.3	160.4	160.4	159.4	157.5	156.5	155.5	152.6	155.5	154.5	155.5
47.5°	149.6	148.7	145.7	144.8	144.8	141.8	139.9	139.9	138.9	138.9	140.8
50°	135.0	134.0	133.0	132.0	132.0	129.1	126.2	125.2	123.2	125.2	126.2
52.5°	122.3	121.3	118.4	119.3	119.3	117.4	112.5	111.5	113.5	112.5	112.5
55°	109.5	110.5	107.6	106.6	105.6	104.7	101.7	99.8	99.8	99.8	100.7
57.5°	97.8	97.8	95.9	94.9	92.9	91.9	91.0	88.0	88.0	87.1	88.0
60°	87.1	86.1	84.1	84.1	83.1	80.2	79.2	77.3	77.3	76.3	77.3
62.5°	74.3	72.4	74.3	72.4	72.4	71.4	69.4	67.5	65.5	65.5	67.5
65°	63.6	64.6	63.6	62.6	62.6	61.6	59.7	57.7	55.8	56.7	57.7
67.5°	54.8	54.8	53.8	52.8	53.8	51.8	49.9	48.9	47.9	47.9	47.9
70°	46.0	46.0	46.0	45.0	44.0	44.0	42.1	41.1	40.1	40.1	40.1
72.5°	40.1	38.1	37.2	36.2	36.2	35.2	34.2	33.3	32.3	33.3	33.3
75°	30.3	30.3	30.3	29.3	29.3	28.4	27.4	26.4	26.4	25.4	26.4
77.5°	23.5	23.5	23.5	22.5	22.5	21.5	20.5	20.5	19.6	19.6	19.6
80°	17.6	17.6	17.6	16.6	16.6	15.6	14.7	13.7	14.7	14.7	13.7
82.5°	11.7	11.7	11.7	10.8	10.8	10.8	9.8	9.8	8.8	8.8	8.8
85°	6.8	6.8	6.8	6.8	6.8	6.8	5.9	4.9	4.9	4.9	4.9
87.5°	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.0	2.0	2.0	2.0
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°	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2
2.5°	301.3	301.3	301.3	303.2	303.2	294.4	304.2	304.2	300.3	307.1
5°	303.2	300.3	303.2	299.3	300.3	298.3	301.3	301.3	298.3	307.1
7.5°	301.3	302.2	299.3	302.2	299.3	298.3	307.1	301.3	301.3	306.1
10°	299.3	299.3	297.3	296.4	297.3	299.3	304.2	299.3	296.4	298.3
12.5°	295.4	296.4	298.3	294.4	291.5	296.4	298.3	296.4	290.5	301.3
15°	295.4	292.5	292.5	289.5	290.5	292.5	294.4	292.5	290.5	297.3
17.5°	286.6	285.6	285.6	283.6	281.7	287.6	292.5	286.6	286.6	286.6
20°	279.7	280.7	281.7	277.8	278.8	276.8	280.7	279.7	280.7	278.8
22.5°	273.9	271.9	271.9	271.9	272.9	272.9	272.9	271.9	262.1	270.9
25°	261.2	263.1	264.1	260.2	258.2	263.1	264.1	258.2	262.1	260.2
27.5°	250.4	250.4	253.3	250.4	248.4	246.5	256.3	252.4	246.5	249.4
30°	238.7	239.6	242.6	238.7	239.6	241.6	242.6	239.6	240.6	237.7
32.5°	228.9	225.9	230.8	226.9	227.9	227.9	228.9	225.9	223.0	225.9
35°	212.2	215.2	215.2	211.3	214.2	212.2	214.2	212.2	213.2	212.2
37.5°	200.5	196.6	201.5	198.6	196.6	197.6	200.5	195.6	198.6	196.6
40°	182.9	183.9	186.8	182.9	181.9	180.0	183.9	183.9	179.0	181.9
42.5°	173.1	168.2	172.1	169.2	166.3	170.2	169.2	162.4	148.7	153.6
45°	155.5	153.6	156.5	150.6	154.5	151.6	145.7	107.6	91.0	88.0
47.5°	138.9	136.9	141.8	137.9	138.9	135.0	98.8	72.4	69.4	69.4
50°	128.1	125.2	128.1	123.2	124.2	94.9	77.3	60.6	58.7	58.7
52.5°	113.5	113.5	115.4	110.5	106.6	70.4	65.5	51.8	50.9	48.9
55°	100.7	100.7	101.7	99.8	79.2	60.6	55.8	41.1	35.2	34.2
57.5°	87.1	88.0	89.0	86.1	64.6	51.8	43.0	11.7	5.9	4.9
60°	76.3	76.3	77.3	69.4	55.8	42.1	21.5	3.9	2.0	2.0
62.5°	67.5	66.5	67.5	56.7	46.9	24.5	16.6	2.0	0.0	0.0
65°	56.7	56.7	57.7	46.9	36.2	18.6	12.7	1.0	0.0	0.0
67.5°	47.9	47.9	48.9	40.1	28.4	15.6	10.8	1.0	0.0	0.0
70°	40.1	40.1	40.1	33.3	23.5	12.7	8.8	1.0	0.0	0.0
72.5°	32.3	32.3	32.3	27.4	19.6	10.8	6.8	0.0	0.0	0.0
75°	26.4	26.4	25.4	21.5	14.7	8.8	5.9	0.0	0.0	0.0
77.5°	19.6	19.6	20.5	16.6	11.7	5.9	3.9	0.0	0.0	0.0
80°	13.7	13.7	13.7	11.7	8.8	4.9	2.9	0.0	0.0	0.0
82.5°	8.8	8.8	9.8	7.8	5.9	2.9	2.0	0.0	0.0	0.0
85°	4.9	4.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.0	1.0	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)