

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: P394936

Luminaire Tested: **303-A1-LEDB1-3000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394936
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-LEDB1-3000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

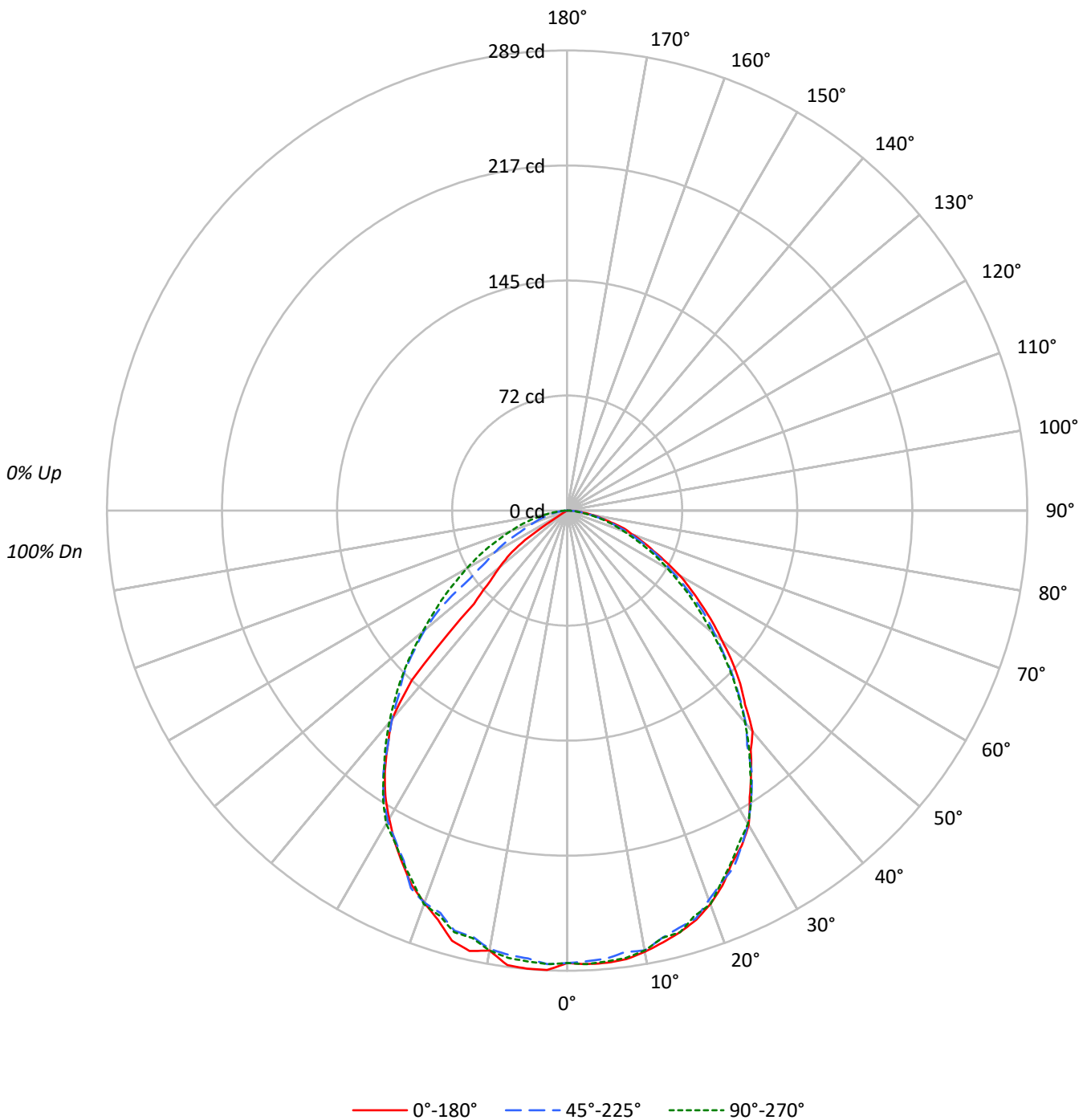
Lumens per Lamp: N/A
Luminaire Lumens: 594.9 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

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°	39157	39157	39157
5°	39431	39306	39942
10°	39369	39243	39243
15°	39097	39097	39882
20°	38561	38561	38429
25°	37184	37048	37184
30°	36289	36146	35557
35°	33875	33723	33572
40°	32590	31259	30774
45°	29929	28487	16133
50°	27200	25421	11832
55°	24742	22748	7735
60°	22568	20033	496
65°	19495	17702	0
70°	17403	15187	0
75°	15172	13202	0
80°	13171	10235	0
85°	10117	7272	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	4.5
10°-20°	76.9	12.9
20°-30°	112.7	18.9
30°-40°	125.1	21.0
40°-50°	108.2	18.2
50°-60°	74.9	12.6
60°-70°	43.7	7.3
70°-80°	21.4	3.6
80°-90°	5.1	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°	216.6	36.4
0°-40°	341.7	57.4
0°-60°	524.8	88.2
0°-90°	594.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	594.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	285	282	284	282	289	27
15°	274	271	274	273	280	77
25°	245	247	244	243	245	113
35°	201	202	200	201	200	126
45°	154	147	146	145	83	118
55°	103	98	95	74	32	93
65°	60	58	54	34	0	60
75°	28	27	25	14	0	31
85°	6	6	5	3	0	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2
2.5°	285.1	279.6	279.6	283.3	286.9	283.3	287.9	283.3	285.1	282.4	285.1
5°	285.1	281.4	280.5	278.7	283.3	282.4	288.8	283.3	283.3	284.2	284.2
7.5°	284.2	280.5	279.6	278.7	277.8	279.6	290.6	285.1	282.4	283.3	283.3
10°	281.4	277.8	276.8	269.5	279.6	280.5	281.4	278.7	279.6	277.8	280.5
12.5°	277.8	275.0	271.3	275.9	274.1	275.0	276.8	286.9	276.8	275.0	275.0
15°	274.1	267.6	268.6	272.2	270.4	271.3	272.2	272.2	273.2	273.2	274.1
17.5°	269.5	265.8	264.0	264.0	267.6	268.6	267.6	274.1	267.6	268.6	266.7
20°	263.0	255.7	258.4	260.3	264.9	260.3	264.0	261.2	262.1	256.6	263.0
22.5°	254.8	246.5	247.4	248.3	252.0	252.9	256.6	252.9	254.8	249.2	252.9
25°	244.6	242.8	242.8	244.6	248.3	247.4	250.2	248.3	245.6	243.7	243.7
27.5°	237.3	233.6	233.6	229.0	236.4	237.3	238.2	238.2	231.8	234.5	234.5
30°	228.1	220.7	222.6	225.3	225.3	227.2	225.3	227.2	225.3	225.3	227.2
32.5°	213.4	209.7	209.7	211.5	213.4	215.2	217.1	214.3	213.4	214.3	215.2
35°	201.4	200.5	199.6	201.4	205.1	202.3	200.5	206.9	195.9	199.6	200.5
37.5°	189.5	188.5	187.6	185.8	187.6	185.8	187.6	186.7	184.9	187.6	187.6
40°	181.2	175.7	172.9	172.9	174.7	174.7	172.9	173.8	170.1	172.0	173.8
42.5°	165.5	166.5	163.7	162.8	160.9	160.9	160.0	160.0	160.0	157.3	160.0
45°	153.6	150.8	150.8	149.9	148.1	147.2	146.2	143.5	146.2	145.3	146.2
47.5°	140.7	139.8	137.0	136.1	136.1	133.4	131.5	131.5	130.6	130.6	132.4
50°	126.9	126.0	125.1	124.2	124.2	121.4	118.6	117.7	115.9	117.7	118.6
52.5°	115.0	114.0	111.3	112.2	112.2	110.4	105.8	104.8	106.7	105.8	105.8
55°	103.0	103.9	101.2	100.2	99.3	98.4	95.6	93.8	93.8	93.8	94.7
57.5°	92.0	92.0	90.1	89.2	87.4	86.5	85.5	82.8	82.8	81.9	82.8
60°	81.9	80.9	79.1	79.1	78.2	75.4	74.5	72.7	72.7	71.7	72.7
62.5°	69.9	68.1	69.9	68.1	68.1	67.1	65.3	63.5	61.6	61.6	63.5
65°	59.8	60.7	59.8	58.9	58.9	57.9	56.1	54.3	52.4	53.3	54.3
67.5°	51.5	51.5	50.6	49.7	50.6	48.7	46.9	46.0	45.1	45.1	45.1
70°	43.2	43.2	43.2	42.3	41.4	41.4	39.5	38.6	37.7	37.7	37.7
72.5°	37.7	35.9	34.9	34.0	34.0	33.1	32.2	31.3	30.4	31.3	31.3
75°	28.5	28.5	28.5	27.6	27.6	26.7	25.8	24.8	24.8	23.9	24.8
77.5°	22.1	22.1	22.1	21.2	21.2	20.2	19.3	19.3	18.4	18.4	18.4
80°	16.6	16.6	16.6	15.6	15.6	14.7	13.8	12.9	13.8	13.8	12.9
82.5°	11.0	11.0	11.0	10.1	10.1	10.1	9.2	9.2	8.3	8.3	8.3
85°	6.4	6.4	6.4	6.4	6.4	6.4	5.5	4.6	4.6	4.6	4.6
87.5°	3.7	3.7	3.7	3.7	3.7	2.8	2.8	1.8	1.8	1.8	1.8
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°	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2	284.2
2.5°	283.3	283.3	283.3	285.1	285.1	276.8	286.0	286.0	282.4	288.8
5°	285.1	282.4	285.1	281.4	282.4	280.5	283.3	283.3	280.5	288.8
7.5°	283.3	284.2	281.4	284.2	281.4	280.5	288.8	283.3	283.3	287.9
10°	281.4	281.4	279.6	278.7	279.6	281.4	286.0	281.4	278.7	280.5
12.5°	277.8	278.7	280.5	276.8	274.1	278.7	280.5	278.7	273.2	283.3
15°	277.8	275.0	275.0	272.2	273.2	275.0	276.8	275.0	273.2	279.6
17.5°	269.5	268.6	268.6	266.7	264.9	270.4	275.0	269.5	269.5	269.5
20°	263.0	264.0	264.9	261.2	262.1	260.3	264.0	263.0	264.0	262.1
22.5°	257.5	255.7	255.7	255.7	256.6	256.6	256.6	255.7	246.5	254.8
25°	245.6	247.4	248.3	244.6	242.8	247.4	248.3	242.8	246.5	244.6
27.5°	235.4	235.4	238.2	235.4	233.6	231.8	241.0	237.3	231.8	234.5
30°	224.4	225.3	228.1	224.4	225.3	227.2	228.1	225.3	226.2	223.5
32.5°	215.2	212.5	217.1	213.4	214.3	214.3	215.2	212.5	209.7	212.5
35°	199.6	202.3	202.3	198.7	201.4	199.6	201.4	199.6	200.5	199.6
37.5°	188.5	184.9	189.5	186.7	184.9	185.8	188.5	183.9	186.7	184.9
40°	172.0	172.9	175.7	172.0	171.1	169.2	172.9	172.9	168.3	171.1
42.5°	162.8	158.2	161.9	159.1	156.4	160.0	159.1	152.7	139.8	144.4
45°	146.2	144.4	147.2	141.6	145.3	142.6	137.0	101.2	85.5	82.8
47.5°	130.6	128.8	133.4	129.7	130.6	126.9	92.9	68.1	65.3	65.3
50°	120.5	117.7	120.5	115.9	116.8	89.2	72.7	57.0	55.2	55.2
52.5°	106.7	106.7	108.5	103.9	100.2	66.2	61.6	48.7	47.8	46.0
55°	94.7	94.7	95.6	93.8	74.5	57.0	52.4	38.6	33.1	32.2
57.5°	81.9	82.8	83.7	80.9	60.7	48.7	40.5	11.0	5.5	4.6
60°	71.7	71.7	72.7	65.3	52.4	39.5	20.2	3.7	1.8	1.8
62.5°	63.5	62.5	63.5	53.3	44.1	23.0	15.6	1.8	0.0	0.0
65°	53.3	53.3	54.3	44.1	34.0	17.5	12.0	0.9	0.0	0.0
67.5°	45.1	45.1	46.0	37.7	26.7	14.7	10.1	0.9	0.0	0.0
70°	37.7	37.7	37.7	31.3	22.1	12.0	8.3	0.9	0.0	0.0
72.5°	30.4	30.4	30.4	25.8	18.4	10.1	6.4	0.0	0.0	0.0
75°	24.8	24.8	23.9	20.2	13.8	8.3	5.5	0.0	0.0	0.0
77.5°	18.4	18.4	19.3	15.6	11.0	5.5	3.7	0.0	0.0	0.0
80°	12.9	12.9	12.9	11.0	8.3	4.6	2.8	0.0	0.0	0.0
82.5°	8.3	8.3	9.2	7.4	5.5	2.8	1.8	0.0	0.0	0.0
85°	4.6	4.6	4.6	3.7	2.8	1.8	0.9	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	0.9	0.9	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)