

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: P394952

Luminaire Tested: **303-W1-LEDB2-TSAM-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394952
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-W1-LEDB2-TSAM-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, TWO LIGHTBARS, TYPE 5
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

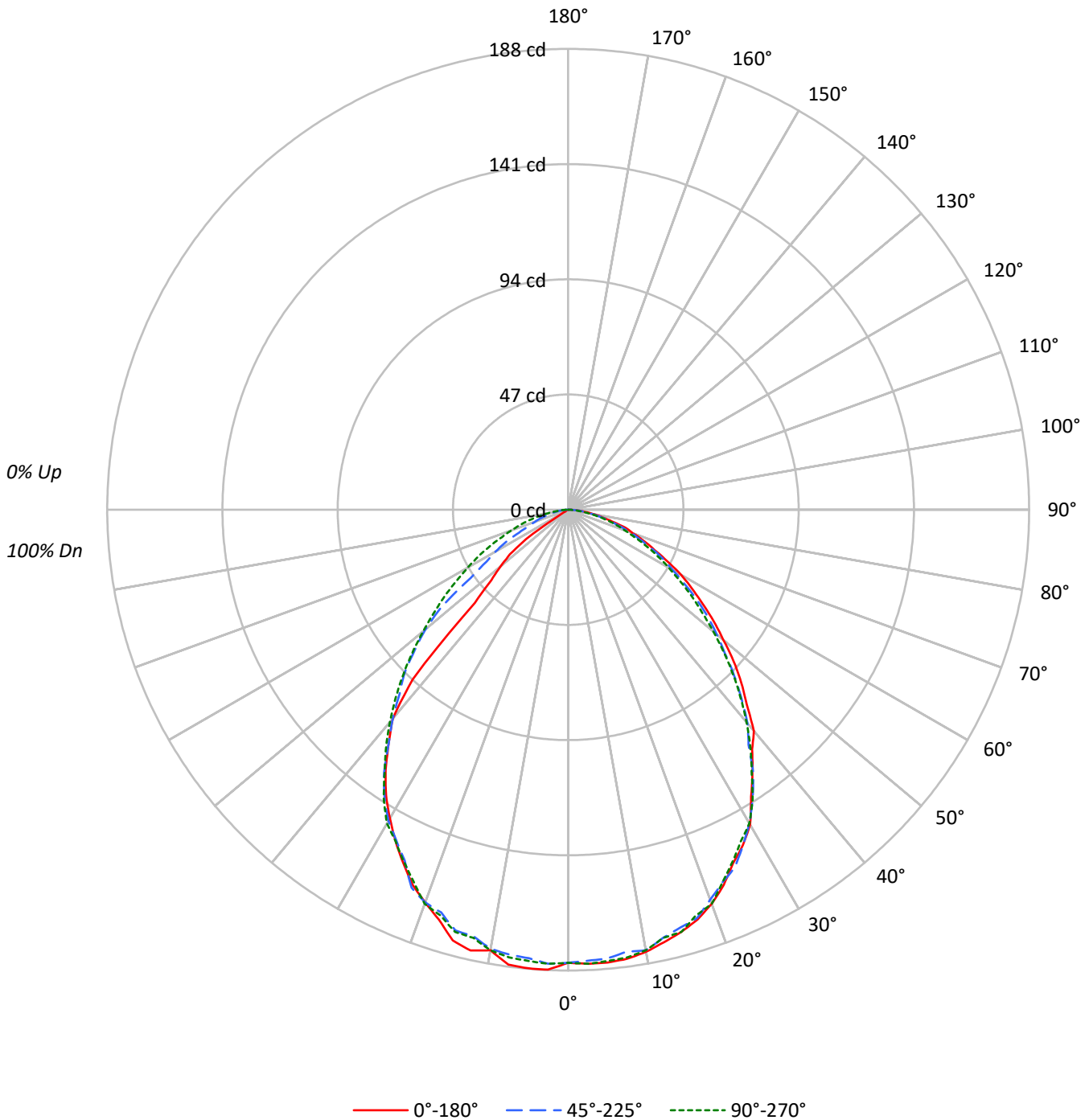
Lumens per Lamp: N/A
Luminaire Lumens: 387.0 lumens
Efficiency: N/A
Efficacy: 32.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 12.1
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	80	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°	12731	12731	12731
5°	12821	12780	12987
10°	12808	12766	12766
15°	12716	12716	12973
20°	12544	12544	12500
25°	12093	12048	12093
30°	11805	11757	11566
35°	11017	10967	10916
40°	10594	10171	10009
45°	9733	9265	5241
50°	8853	8274	3848
55°	8047	7399	2510
60°	7330	6517	165
65°	6341	5754	0
70°	5660	4935	0
75°	4924	4312	0
80°	4285	3332	0
85°	3320	2371	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	4.5
10°-20°	50.1	12.9
20°-30°	73.3	18.9
30°-40°	81.3	21.0
40°-50°	70.4	18.2
50°-60°	48.7	12.6
60°-70°	28.4	7.3
70°-80°	13.9	3.6
80°-90°	3.3	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°	140.9	36.4
0°-40°	222.2	57.4
0°-60°	341.3	88.2
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	185	185	185	185	185	
5°	185	184	185	184	188	18
15°	178	176	178	178	182	50
25°	159	161	158	158	159	74
35°	131	132	130	131	130	82
45°	100	96	95	94	54	77
55°	67	64	62	48	21	60
65°	39	38	35	22	0	39
75°	18	17	16	9	0	20
85°	4	4	3	2	0	5
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°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8
2.5°	185.4	181.9	181.9	184.2	186.6	184.2	187.2	184.2	185.4	183.7	185.4
5°	185.4	183.1	182.5	181.3	184.2	183.7	187.8	184.2	184.2	184.8	184.8
7.5°	184.8	182.5	181.9	181.3	180.7	181.9	189.0	185.4	183.7	184.2	184.2
10°	183.1	180.7	180.1	175.3	181.9	182.5	183.1	181.3	181.9	180.7	182.5
12.5°	180.7	178.9	176.5	179.5	178.3	178.9	180.1	186.6	180.1	178.9	178.9
15°	178.3	174.1	174.7	177.1	175.9	176.5	177.1	177.1	177.7	177.7	178.3
17.5°	175.3	172.9	171.7	171.7	174.1	174.7	174.1	178.3	174.1	174.7	173.5
20°	171.1	166.3	168.1	169.3	172.3	169.3	171.7	169.9	170.5	166.9	171.1
22.5°	165.7	160.3	160.9	161.5	163.9	164.5	166.9	164.5	165.7	162.1	164.5
25°	159.1	157.9	157.9	159.1	161.5	160.9	162.7	161.5	159.7	158.5	158.5
27.5°	154.3	151.9	151.9	149.0	153.7	154.3	154.9	154.9	150.7	152.5	152.5
30°	148.4	143.6	144.8	146.6	146.6	147.8	146.6	147.8	146.6	146.6	147.8
32.5°	138.8	136.4	136.4	137.6	138.8	140.0	141.2	139.4	138.8	139.4	140.0
35°	131.0	130.4	129.8	131.0	133.4	131.6	130.4	134.6	127.4	129.8	130.4
37.5°	123.2	122.6	122.0	120.8	122.0	120.8	122.0	121.4	120.2	122.0	122.0
40°	117.8	114.3	112.5	112.5	113.7	113.7	112.5	113.1	110.7	111.9	113.1
42.5°	107.7	108.3	106.5	105.9	104.7	104.7	104.1	104.1	104.1	102.3	104.1
45°	99.9	98.1	98.1	97.5	96.3	95.7	95.1	93.3	95.1	94.5	95.1
47.5°	91.5	90.9	89.1	88.5	88.5	86.7	85.5	85.5	84.9	84.9	86.1
50°	82.6	82.0	81.4	80.8	80.8	79.0	77.2	76.6	75.4	76.6	77.2
52.5°	74.8	74.2	72.4	73.0	73.0	71.8	68.8	68.2	69.4	68.8	68.8
55°	67.0	67.6	65.8	65.2	64.6	64.0	62.2	61.0	61.0	61.0	61.6
57.5°	59.8	59.8	58.6	58.0	56.8	56.2	55.6	53.8	53.8	53.2	53.8
60°	53.2	52.6	51.4	51.4	50.8	49.1	48.5	47.3	47.3	46.7	47.3
62.5°	45.5	44.3	45.5	44.3	44.3	43.7	42.5	41.3	40.1	40.1	41.3
65°	38.9	39.5	38.9	38.3	38.3	37.7	36.5	35.3	34.1	34.7	35.3
67.5°	33.5	33.5	32.9	32.3	32.9	31.7	30.5	29.9	29.3	29.3	29.3
70°	28.1	28.1	28.1	27.5	26.9	26.9	25.7	25.1	24.5	24.5	24.5
72.5°	24.5	23.3	22.7	22.1	22.1	21.5	20.9	20.3	19.7	20.3	20.3
75°	18.5	18.5	18.5	17.9	17.9	17.3	16.7	16.2	16.2	15.6	16.2
77.5°	14.4	14.4	14.4	13.8	13.8	13.2	12.6	12.6	12.0	12.0	12.0
80°	10.8	10.8	10.8	10.2	10.2	9.6	9.0	8.4	9.0	9.0	8.4
82.5°	7.2	7.2	7.2	6.6	6.6	6.6	6.0	6.0	5.4	5.4	5.4
85°	4.2	4.2	4.2	4.2	4.2	4.2	3.6	3.0	3.0	3.0	3.0
87.5°	2.4	2.4	2.4	2.4	2.4	1.8	1.8	1.2	1.2	1.2	1.2
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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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8
2.5°	184.2	184.2	184.2	185.4	185.4	180.1	186.0	186.0	183.7	187.8
5°	185.4	183.7	185.4	183.1	183.7	182.5	184.2	184.2	182.5	187.8
7.5°	184.2	184.8	183.1	184.8	183.1	182.5	187.8	184.2	184.2	187.2
10°	183.1	183.1	181.9	181.3	181.9	183.1	186.0	183.1	181.3	182.5
12.5°	180.7	181.3	182.5	180.1	178.3	181.3	182.5	181.3	177.7	184.2
15°	180.7	178.9	178.9	177.1	177.7	178.9	180.1	178.9	177.7	181.9
17.5°	175.3	174.7	174.7	173.5	172.3	175.9	178.9	175.3	175.3	175.3
20°	171.1	171.7	172.3	169.9	170.5	169.3	171.7	171.1	171.7	170.5
22.5°	167.5	166.3	166.3	166.3	166.9	166.9	166.9	166.3	160.3	165.7
25°	159.7	160.9	161.5	159.1	157.9	160.9	161.5	157.9	160.3	159.1
27.5°	153.1	153.1	154.9	153.1	151.9	150.7	156.7	154.3	150.7	152.5
30°	146.0	146.6	148.4	146.0	146.6	147.8	148.4	146.6	147.2	145.4
32.5°	140.0	138.2	141.2	138.8	139.4	139.4	140.0	138.2	136.4	138.2
35°	129.8	131.6	131.6	129.2	131.0	129.8	131.0	129.8	130.4	129.8
37.5°	122.6	120.2	123.2	121.4	120.2	120.8	122.6	119.6	121.4	120.2
40°	111.9	112.5	114.3	111.9	111.3	110.1	112.5	112.5	109.5	111.3
42.5°	105.9	102.9	105.3	103.5	101.7	104.1	103.5	99.3	90.9	93.9
45°	95.1	93.9	95.7	92.1	94.5	92.7	89.1	65.8	55.6	53.8
47.5°	84.9	83.7	86.7	84.3	84.9	82.6	60.4	44.3	42.5	42.5
50°	78.4	76.6	78.4	75.4	76.0	58.0	47.3	37.1	35.9	35.9
52.5°	69.4	69.4	70.6	67.6	65.2	43.1	40.1	31.7	31.1	29.9
55°	61.6	61.6	62.2	61.0	48.5	37.1	34.1	25.1	21.5	20.9
57.5°	53.2	53.8	54.4	52.6	39.5	31.7	26.3	7.2	3.6	3.0
60°	46.7	46.7	47.3	42.5	34.1	25.7	13.2	2.4	1.2	1.2
62.5°	41.3	40.7	41.3	34.7	28.7	15.0	10.2	1.2	0.0	0.0
65°	34.7	34.7	35.3	28.7	22.1	11.4	7.8	0.6	0.0	0.0
67.5°	29.3	29.3	29.9	24.5	17.3	9.6	6.6	0.6	0.0	0.0
70°	24.5	24.5	24.5	20.3	14.4	7.8	5.4	0.6	0.0	0.0
72.5°	19.7	19.7	19.7	16.7	12.0	6.6	4.2	0.0	0.0	0.0
75°	16.2	16.2	15.6	13.2	9.0	5.4	3.6	0.0	0.0	0.0
77.5°	12.0	12.0	12.6	10.2	7.2	3.6	2.4	0.0	0.0	0.0
80°	8.4	8.4	8.4	7.2	5.4	3.0	1.8	0.0	0.0	0.0
82.5°	5.4	5.4	6.0	4.8	3.6	1.8	1.2	0.0	0.0	0.0
85°	3.0	3.0	3.0	2.4	1.8	1.2	0.6	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	0.6	0.6	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)