

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: P394887

Luminaire Tested: **303-W1-LEDB1-4000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-W1-LEDB1-4000-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, ONE LIGHTBAR, TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

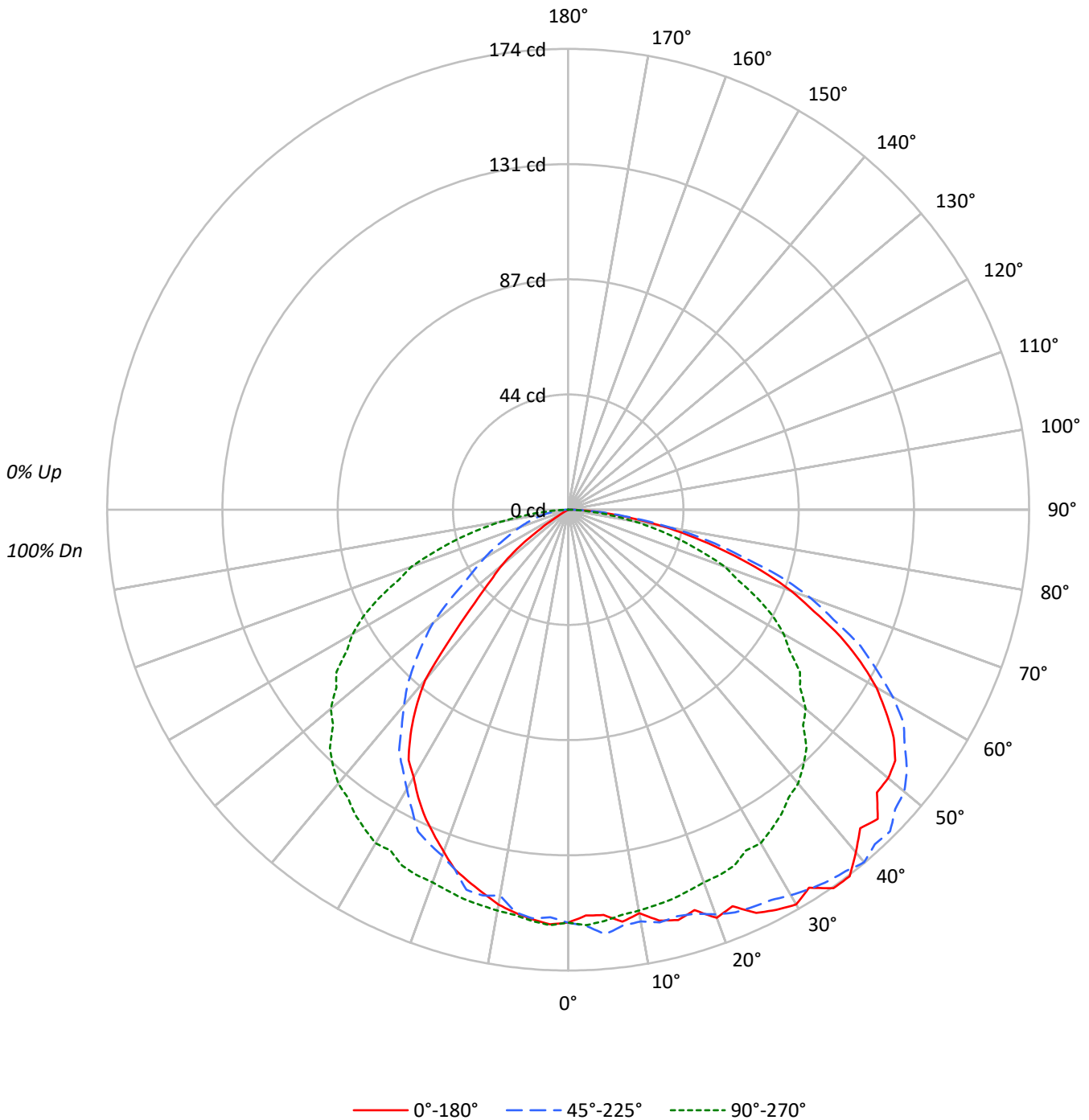
Lumens per Lamp: N/A
Luminaire Lumens: 517.5 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	21480	21480	21480
5°	21244	21562	21479
10°	21643	21503	21181
15°	22879	21710	20725
20°	24046	21949	20146
25°	25540	22545	19444
30°	27380	23132	18550
35°	29350	23598	17459
40°	30378	24281	15108
45°	32189	24785	9723
50°	33802	25078	6988
55°	36031	25654	3339
60°	37007	25902	83
65°	37002	25592	0
70°	36054	25338	0
75°	33164	23157	0
80°	29040	19915	0
85°	20867	13437	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	2.9
10°-20°	43.3	8.4
20°-30°	68.6	13.3
30°-40°	88.0	17.0
40°-50°	94.4	18.2
50°-60°	87.5	16.9
60°-70°	69.6	13.4
70°-80°	41.2	8.0
80°-90°	10.1	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°	126.8	24.5
0°-40°	214.8	41.5
0°-60°	396.6	76.6
0°-90°	517.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	156	156	156	156	156	
5°	154	161	156	155	155	15
15°	160	159	152	149	145	45
25°	168	165	148	134	128	77
35°	174	171	140	111	104	108
45°	165	172	127	82	50	126
55°	150	155	107	47	14	133
65°	114	122	78	26	0	111
75°	62	67	44	14	0	66
85°	13	15	8	3	0	17
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°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9
2.5°	153.4	156.4	156.3	155.0	154.1	157.3	153.9	157.1	156.2	156.0	157.0
5°	153.6	158.9	157.1	158.3	155.9	160.9	156.2	157.8	152.7	157.0	155.9
7.5°	156.9	159.2	157.7	159.2	154.7	158.4	156.5	157.9	158.3	155.8	154.3
10°	154.7	160.1	158.6	157.7	157.2	157.8	155.1	157.5	158.1	155.4	153.7
12.5°	158.9	161.4	159.3	160.6	155.8	159.6	157.5	157.7	156.0	154.8	152.9
15°	160.4	161.0	161.2	162.4	158.5	158.9	158.1	157.8	156.1	154.1	152.2
17.5°	158.5	164.2	162.2	161.9	160.6	159.9	158.9	158.1	157.7	154.2	150.9
20°	164.0	165.9	164.4	163.5	161.3	162.6	159.9	159.0	154.3	152.5	149.7
22.5°	162.0	166.0	165.9	166.5	164.2	164.6	159.9	159.7	155.3	151.4	149.3
25°	168.0	169.9	167.7	167.4	164.2	165.4	160.4	159.5	154.5	150.2	148.3
27.5°	170.3	172.0	171.0	171.6	168.6	166.1	163.7	162.4	154.8	149.6	145.1
30°	172.1	175.2	174.4	173.0	169.5	168.1	165.4	162.9	157.8	148.6	145.4
32.5°	169.2	175.0	172.1	173.2	172.8	169.7	165.8	162.4	157.9	149.5	142.9
35°	174.5	173.5	173.9	175.8	172.9	171.2	168.7	164.3	157.8	148.0	140.3
37.5°	174.5	175.6	173.1	176.2	173.4	172.0	167.4	162.5	156.8	143.7	136.8
40°	168.9	172.0	172.8	175.6	174.8	173.8	169.3	163.1	155.0	141.3	135.0
42.5°	163.1	170.4	168.4	173.1	174.4	171.3	168.6	159.6	152.5	138.1	131.3
45°	165.2	169.8	169.4	172.5	171.0	171.8	166.9	159.0	147.3	135.9	127.2
47.5°	158.0	166.4	164.3	169.6	169.0	167.4	164.3	155.3	144.8	129.3	120.3
50°	157.7	160.5	161.6	164.3	166.8	165.6	158.7	154.8	139.8	123.2	117.0
52.5°	155.6	154.1	156.3	159.1	161.0	161.2	154.0	144.7	134.8	120.5	110.3
55°	150.0	148.7	150.6	153.3	157.9	155.0	151.6	140.3	127.8	112.7	106.8
57.5°	142.2	140.5	141.6	146.6	151.0	150.1	145.2	134.4	125.7	108.5	99.0
60°	134.3	132.9	132.1	137.9	140.4	141.5	136.5	125.4	115.2	100.5	94.0
62.5°	124.4	125.9	126.6	129.1	131.4	131.4	128.7	116.9	106.3	93.1	87.1
65°	113.5	112.1	113.3	119.5	122.6	121.7	120.0	107.6	97.4	85.1	78.5
67.5°	100.4	100.5	104.0	106.1	111.2	108.4	106.7	97.8	86.3	76.3	69.2
70°	89.5	88.9	89.4	93.5	95.8	97.3	94.2	84.5	76.2	67.1	62.9
72.5°	76.5	75.6	76.2	80.4	82.1	83.9	79.7	72.2	66.0	57.4	52.9
75°	62.3	62.4	63.6	64.9	68.7	67.2	66.0	59.8	53.1	46.5	43.5
77.5°	49.0	49.2	50.2	52.2	54.0	54.2	52.9	46.9	41.2	36.4	34.1
80°	36.6	36.1	36.4	38.0	40.0	39.8	38.3	34.5	30.8	26.3	25.1
82.5°	23.8	24.0	24.2	25.5	25.5	25.4	25.2	23.0	20.6	17.2	16.3
85°	13.2	13.5	14.0	13.9	14.4	14.8	13.6	12.3	10.5	9.6	8.5
87.5°	6.1	5.8	5.9	5.5	5.6	5.4	4.8	4.2	3.7	3.0	2.7
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°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9
2.5°	156.1	158.0	156.8	155.3	154.0	155.4	155.6	154.1	154.6	156.7
5°	157.1	154.4	156.1	156.2	154.9	155.7	150.9	154.2	153.4	155.3
7.5°	155.1	156.5	154.7	154.7	153.2	154.1	153.1	152.2	154.3	153.5
10°	154.6	153.6	154.7	153.2	147.9	150.4	149.2	150.0	149.3	151.4
12.5°	153.2	151.4	151.8	151.1	149.2	148.1	148.8	149.3	150.4	148.3
15°	152.2	150.9	149.7	149.9	148.6	145.8	142.5	144.3	143.4	145.3
17.5°	150.8	148.7	148.3	145.1	142.3	144.1	142.7	141.1	140.0	142.4
20°	150.0	148.2	145.7	141.3	139.0	138.6	138.9	138.6	137.6	137.4
22.5°	147.6	144.2	142.3	137.9	136.7	134.5	131.4	133.8	131.3	132.6
25°	145.8	141.7	139.5	135.6	134.1	129.9	129.2	126.0	127.1	127.9
27.5°	145.0	140.5	134.9	129.7	127.7	124.7	124.7	121.6	122.2	122.6
30°	142.2	135.9	132.7	126.7	121.8	119.3	117.6	116.3	116.8	116.6
32.5°	139.8	132.1	126.2	118.9	116.2	113.4	112.9	108.8	111.7	112.1
35°	136.9	128.2	121.2	113.2	111.3	107.0	106.1	103.6	103.1	103.8
37.5°	134.8	123.6	116.3	107.5	103.2	101.0	99.1	94.9	93.6	94.4
40°	129.5	118.5	110.1	102.3	96.3	90.9	91.1	86.3	84.4	84.0
42.5°	127.9	113.4	104.1	95.3	89.8	84.7	80.5	75.2	67.4	64.9
45°	120.5	108.5	96.3	87.4	81.9	75.7	66.9	52.0	50.0	49.9
47.5°	115.4	102.6	89.9	81.5	74.2	65.9	52.3	43.0	40.3	39.7
50°	110.7	95.7	83.7	74.4	66.6	50.5	43.1	34.3	30.8	32.6
52.5°	104.7	90.3	78.1	67.5	56.9	42.6	36.2	27.9	24.5	24.6
55°	99.4	85.4	73.5	61.4	47.4	36.7	29.3	20.1	14.7	13.9
57.5°	93.6	79.6	68.5	55.2	41.5	30.8	21.4	9.6	5.7	5.8
60°	86.8	74.0	61.9	46.9	36.5	24.8	13.9	4.2	0.3	0.3
62.5°	81.0	67.9	56.2	42.0	31.5	17.5	9.2	0.3	0.0	0.0
65°	74.1	61.6	50.8	37.5	26.5	14.8	7.1	0.7	0.0	0.0
67.5°	65.7	55.2	45.1	33.1	22.8	12.5	6.7	1.1	0.0	0.0
70°	57.3	48.4	39.5	28.8	19.5	11.2	6.0	1.2	0.0	0.0
72.5°	49.2	41.0	33.2	24.4	16.3	9.5	5.2	1.1	0.0	0.0
75°	39.9	33.7	27.4	20.1	13.5	7.8	4.2	0.9	0.0	0.0
77.5°	30.9	26.2	22.3	15.8	10.8	6.2	3.3	0.7	0.0	0.0
80°	23.6	19.4	15.8	11.5	7.9	4.4	2.4	0.5	0.0	0.0
82.5°	14.8	12.8	10.6	7.6	5.1	2.9	1.6	0.3	0.0	0.0
85°	8.2	6.9	6.0	4.3	3.0	1.7	0.9	0.2	0.0	0.0
87.5°	2.8	2.4	2.1	1.6	1.1	0.6	0.3	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)