

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: G3-2001-660-8

Luminaire Tested: **303-W1-LEDB1-3500-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: G3-2001-660-8
Test Lab: INNOVATION CENTER (G3)
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-W1-LEDB1-3500-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, ONE LIGHTBAR, TYPE 4
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

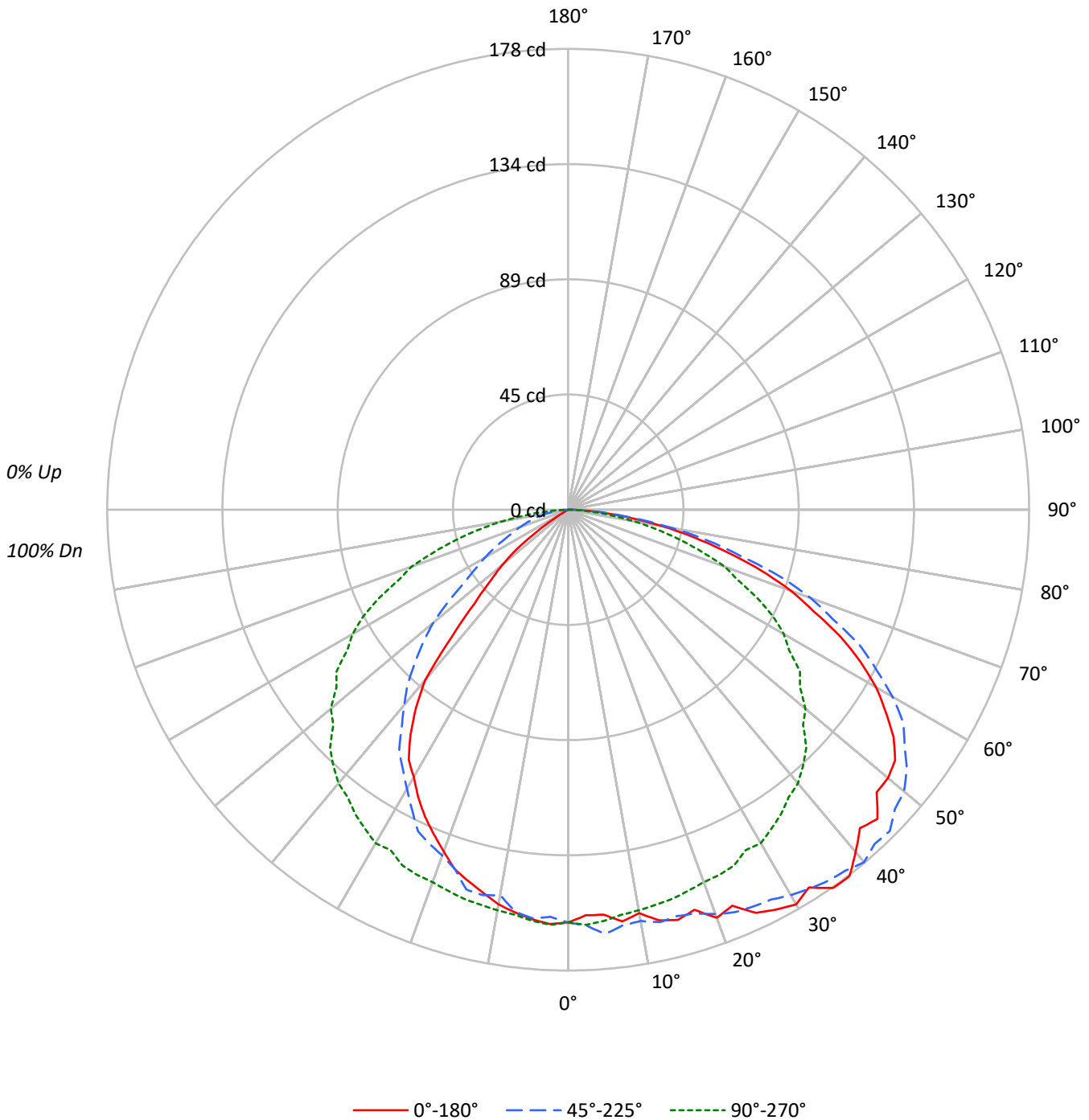
Lumens per Lamp: N/A
Luminaire Lumens: 529.1 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
Input Voltage (V): 120
Input Current (Ain): 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°	21962	21962	21962
5°	21714	22046	21963
10°	22133	21979	21657
15°	23393	22195	21196
20°	24588	22448	20600
25°	26117	23046	19884
30°	28000	23657	18964
35°	30006	24119	17846
40°	31061	24820	15450
45°	32910	25330	9937
50°	34552	25636	7138
55°	36848	26231	3411
60°	37834	26481	83
65°	37817	26179	0
70°	36860	25902	0
75°	33910	23689	0
80°	29674	20391	0
85°	21341	13753	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	2.9
10°-20°	44.3	8.4
20°-30°	70.1	13.3
30°-40°	89.9	17.0
40°-50°	96.5	18.2
50°-60°	89.4	16.9
60°-70°	71.1	13.4
70°-80°	42.1	8.0
80°-90°	10.4	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°	129.6	24.5
0°-40°	219.6	41.5
0°-60°	405.5	76.6
0°-90°	529.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	159	159	159	159	159	
5°	157	164	159	158	159	15
15°	164	162	156	152	149	46
25°	172	169	152	137	131	79
35°	178	175	143	114	106	111
45°	169	176	130	84	51	128
55°	153	158	109	48	14	136
65°	116	124	80	27	0	114
75°	64	69	44	14	0	68
85°	14	15	9	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°	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4
2.5°	156.8	159.9	159.8	158.5	157.5	160.8	157.3	160.6	159.7	159.5	160.5
5°	157.0	162.5	160.6	161.8	159.4	164.5	159.7	161.3	156.1	160.5	159.4
7.5°	160.4	162.8	161.2	162.8	158.2	161.9	160.0	161.4	161.8	159.3	157.8
10°	158.2	163.7	162.1	161.2	160.7	161.3	158.6	161.0	161.6	158.9	157.1
12.5°	162.5	165.0	162.9	164.2	159.3	163.2	161.0	161.2	159.5	158.3	156.3
15°	164.0	164.6	164.8	166.0	162.0	162.5	161.6	161.3	159.6	157.5	155.6
17.5°	162.0	167.9	165.8	165.5	164.2	163.5	162.5	161.6	161.2	157.7	154.3
20°	167.7	169.6	168.1	167.2	164.9	166.2	163.5	162.6	157.8	155.9	153.1
22.5°	165.6	169.7	169.6	170.2	167.9	168.3	163.5	163.3	158.8	154.8	152.6
25°	171.8	173.7	171.5	171.1	167.9	169.1	164.0	163.1	158.0	153.6	151.6
27.5°	174.1	175.8	174.8	175.4	172.4	169.8	167.4	166.0	158.3	152.9	148.3
30°	176.0	179.1	178.3	176.9	173.3	171.9	169.1	166.5	161.3	151.9	148.7
32.5°	173.0	178.9	176.0	177.1	176.7	173.5	169.5	166.0	161.4	152.8	146.1
35°	178.4	177.4	177.8	179.7	176.8	175.0	172.5	168.0	161.3	151.3	143.4
37.5°	178.4	179.5	177.0	180.1	177.3	175.8	171.1	166.1	160.3	146.9	139.9
40°	172.7	175.9	176.7	179.5	178.7	177.7	173.1	166.8	158.5	144.5	138.0
42.5°	166.8	174.2	172.2	177.0	178.3	175.1	172.4	163.2	155.9	141.2	134.2
45°	168.9	173.6	173.2	176.4	174.8	175.6	170.6	162.6	150.6	138.9	130.0
47.5°	161.5	170.1	168.0	173.4	172.8	171.1	168.0	158.8	148.0	132.2	123.0
50°	161.2	164.1	165.2	168.0	170.5	169.3	162.3	158.3	142.9	126.0	119.6
52.5°	159.1	157.6	159.8	162.7	164.6	164.8	157.4	147.9	137.8	123.2	112.8
55°	153.4	152.0	154.0	156.7	161.4	158.5	155.0	143.4	130.7	115.2	109.2
57.5°	145.4	143.6	144.8	149.9	154.4	153.5	148.5	137.4	128.5	110.9	101.2
60°	137.3	135.9	135.1	141.0	143.5	144.7	139.6	128.2	117.8	102.8	96.1
62.5°	127.2	128.7	129.4	132.0	134.3	134.3	131.6	119.5	108.7	95.2	89.1
65°	116.0	114.6	115.8	122.2	125.3	124.4	122.7	110.0	99.6	87.0	80.3
67.5°	102.6	102.7	106.3	108.5	113.7	110.8	109.1	100.0	88.2	78.0	70.7
70°	91.5	90.9	91.4	95.6	97.9	99.5	96.3	86.4	77.9	68.6	64.3
72.5°	78.2	77.3	77.9	82.2	83.9	85.8	81.5	73.8	67.5	58.7	54.1
75°	63.7	63.8	65.0	66.4	70.2	68.7	67.5	61.1	54.3	47.5	44.5
77.5°	50.1	50.3	51.3	53.4	55.2	55.4	54.1	48.0	42.1	37.2	34.9
80°	37.4	36.9	37.2	38.8	40.9	40.7	39.2	35.3	31.5	26.9	25.7
82.5°	24.3	24.5	24.7	26.1	26.1	26.0	25.8	23.5	21.1	17.6	16.7
85°	13.5	13.8	14.3	14.2	14.7	15.1	13.9	12.6	10.7	9.8	8.7
87.5°	6.2	5.9	6.0	5.6	5.7	5.5	4.9	4.3	3.8	3.1	2.8
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°	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4
2.5°	159.6	161.5	160.3	158.8	157.4	158.9	159.1	157.6	158.1	160.2
5°	160.6	157.9	159.6	159.7	158.4	159.2	154.3	157.7	156.8	158.8
7.5°	158.6	160.0	158.2	158.2	156.6	157.5	156.5	155.6	157.8	156.9
10°	158.1	157.0	158.2	156.6	151.2	153.8	152.5	153.4	152.6	154.8
12.5°	156.6	154.8	155.2	154.5	152.5	151.4	152.1	152.6	153.8	151.6
15°	155.6	154.3	153.1	153.3	151.9	149.1	145.7	147.5	146.6	148.6
17.5°	154.2	152.0	151.6	148.3	145.5	147.3	145.9	144.3	143.1	145.6
20°	153.4	151.5	149.0	144.5	142.1	141.7	142.0	141.7	140.7	140.5
22.5°	150.9	147.4	145.5	141.0	139.8	137.5	134.3	136.8	134.2	135.6
25°	149.1	144.9	142.6	138.6	137.1	132.8	132.1	128.8	129.9	130.8
27.5°	148.2	143.6	137.9	132.6	130.6	127.5	127.5	124.3	124.9	125.3
30°	145.4	138.9	135.7	129.5	124.5	122.0	120.2	118.9	119.4	119.2
32.5°	142.9	135.1	129.0	121.6	118.8	115.9	115.4	111.2	114.2	114.6
35°	140.0	131.1	123.9	115.7	113.8	109.4	108.5	105.9	105.4	106.1
37.5°	137.8	126.4	118.9	109.9	105.5	103.3	101.3	97.0	95.7	96.5
40°	132.4	121.2	112.6	104.6	98.5	92.9	93.1	88.2	86.3	85.9
42.5°	130.8	115.9	106.4	97.4	91.8	86.6	82.3	76.9	68.9	66.4
45°	123.2	110.9	98.5	89.4	83.7	77.4	68.4	53.2	51.1	51.0
47.5°	118.0	104.9	91.9	83.3	75.9	67.4	53.5	44.0	41.2	40.6
50°	113.2	97.8	85.6	76.1	68.1	51.6	44.1	35.1	31.5	33.3
52.5°	107.0	92.3	79.8	69.0	58.2	43.6	37.0	28.5	25.0	25.1
55°	101.6	87.3	75.1	62.8	48.5	37.5	30.0	20.6	15.0	14.2
57.5°	95.7	81.4	70.0	56.4	42.4	31.5	21.9	9.8	5.8	5.9
60°	88.7	75.7	63.3	47.9	37.3	25.4	14.2	4.3	0.3	0.3
62.5°	82.8	69.4	57.5	42.9	32.2	17.9	9.4	0.3	0.0	0.0
65°	75.8	63.0	51.9	38.3	27.1	15.1	7.3	0.7	0.0	0.0
67.5°	67.2	56.4	46.1	33.8	23.3	12.8	6.9	1.1	0.0	0.0
70°	58.6	49.5	40.4	29.4	19.9	11.4	6.1	1.2	0.0	0.0
72.5°	50.3	41.9	33.9	24.9	16.7	9.7	5.3	1.1	0.0	0.0
75°	40.8	34.5	28.0	20.6	13.8	8.0	4.3	0.9	0.0	0.0
77.5°	31.6	26.8	22.8	16.2	11.0	6.3	3.4	0.7	0.0	0.0
80°	24.1	19.8	16.2	11.8	8.1	4.5	2.5	0.5	0.0	0.0
82.5°	15.1	13.1	10.8	7.8	5.2	3.0	1.6	0.3	0.0	0.0
85°	8.4	7.1	6.1	4.4	3.1	1.7	0.9	0.2	0.0	0.0
87.5°	2.9	2.5	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)