

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: P394824

Luminaire Tested: **303-W1-LEDB2-3500-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-W1-LEDB2-3500-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, TWO LIGHTBARS, TYPE 2
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

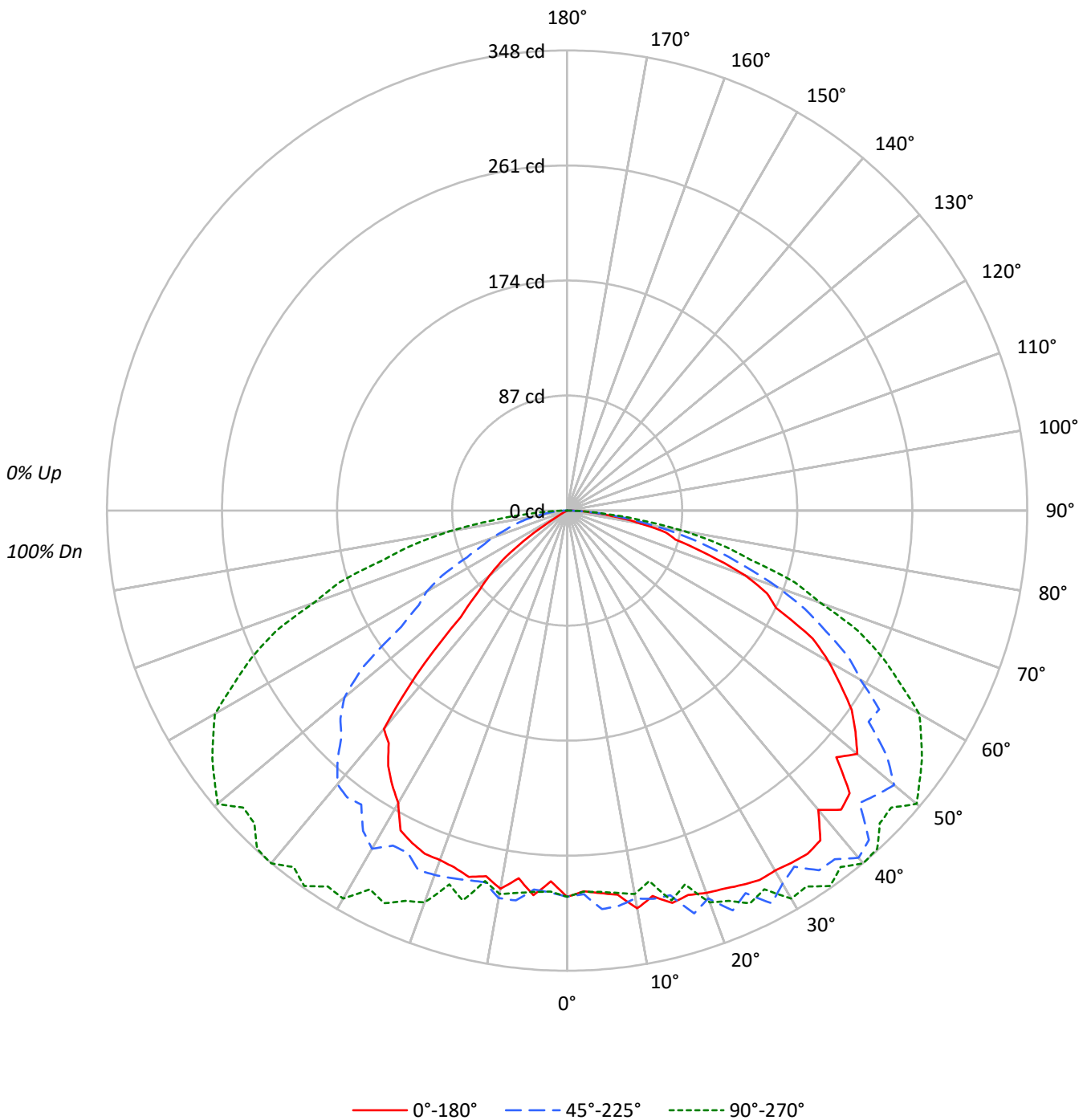
Lumens per Lamp: N/A
Luminaire Lumens: 1158.3 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	98	89	82	75	95	87	80	74	83	78	73		80	75	71		77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60		70	64	59		67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	53	49	47
5	74	60	51	44	71	59	50	43	57	49	43		55	48	42		53	47	42	40
6	68	54	44	37	66	53	44	37	51	43	37		49	42	37		47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32		44	37	32		43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	28		40	33	28		39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25		37	30	25		36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23		34	27	23		33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20116	20116	20116
5°	20082	20013	20193
10°	21364	20594	20314
15°	21910	21767	20455
20°	22551	23122	20615
25°	23746	24901	21086
30°	25010	26951	20316
35°	26659	29149	19831
40°	26565	31314	19389
45°	29442	32579	11106
50°	30695	36975	8210
55°	31540	39347	4876
60°	31469	42381	744
65°	28429	42904	0
70°	28844	41009	0
75°	22571	38275	0
80°	22454	35705	0
85°	16441	24187	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	2.4
10°-20°	85.0	7.3
20°-30°	142.5	12.3
30°-40°	194.2	16.8
40°-50°	218.2	18.8
50°-60°	208.4	18.0
60°-70°	163.5	14.1
70°-80°	95.0	8.2
80°-90°	23.6	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°	255.5	22.1
0°-40°	449.6	38.8
0°-60°	876.2	75.6
0°-90°	1158.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	292	292	292	292	292	
5°	290	303	289	288	292	28
15°	307	301	305	289	287	86
25°	312	319	328	285	277	145
35°	317	332	347	271	236	196
45°	302	313	334	241	114	227
55°	263	278	328	153	41	233
65°	174	216	263	84	0	181
75°	85	117	144	41	0	99
85°	21	25	31	9	0	26
90°	0	0	0	0	0	



TEST NUMBER: P394824

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0
2.5°	288.2	304.2	300.4	293.6	287.6	290.4	292.6	300.8	289.2	292.4	288.4
5°	290.4	289.0	296.4	284.8	290.2	302.6	275.0	288.0	290.8	293.4	289.4
7.5°	293.0	296.2	298.2	306.4	289.0	301.4	298.4	300.0	310.0	295.8	291.6
10°	305.4	313.4	302.6	281.0	291.8	297.8	302.6	300.4	302.4	298.8	294.4
12.5°	298.6	301.6	305.8	309.2	300.4	300.8	297.4	301.4	327.6	301.8	287.0
15°	307.2	329.6	309.0	304.4	304.2	301.2	311.0	307.8	308.4	306.4	305.2
17.5°	304.8	313.0	312.6	307.6	299.4	319.4	316.0	311.6	335.0	311.6	296.4
20°	307.6	316.4	315.8	311.0	312.6	312.0	301.4	316.4	318.4	307.2	315.4
22.5°	309.6	327.0	315.4	292.0	315.8	327.2	324.8	324.8	323.2	322.4	319.4
25°	312.4	319.8	316.4	304.8	298.4	319.2	321.2	335.4	329.6	329.0	327.6
27.5°	315.0	320.4	320.8	316.4	323.6	334.8	335.4	330.0	335.8	334.4	322.8
30°	314.4	321.2	322.4	319.8	303.2	325.8	333.0	336.4	337.8	338.8	338.8
32.5°	315.8	333.6	326.6	311.2	317.8	319.4	337.4	347.6	350.0	343.6	337.0
35°	317.0	321.4	324.2	312.0	332.0	332.0	341.6	342.2	351.0	346.0	346.6
37.5°	314.4	319.4	314.6	322.8	319.8	332.4	348.6	342.2	347.0	352.4	339.8
40°	295.4	322.8	311.0	311.6	318.8	342.8	348.0	353.8	352.8	344.6	348.2
42.5°	306.8	316.4	314.0	314.6	315.0	337.8	341.6	351.6	345.2	353.4	347.0
45°	302.2	311.0	309.0	310.2	322.2	312.6	342.6	337.4	345.0	345.2	334.4
47.5°	276.0	311.6	303.0	305.6	316.4	318.0	338.4	335.8	352.4	345.6	332.4
50°	286.4	301.6	283.4	297.2	310.6	322.8	332.6	340.4	339.8	332.6	345.0
52.5°	274.8	274.8	282.0	276.2	293.6	304.6	324.2	321.8	336.4	346.6	336.0
55°	262.6	259.6	268.4	243.2	280.8	278.4	313.6	337.0	339.2	310.2	327.6
57.5°	245.0	251.6	256.6	257.0	260.8	279.8	299.0	313.6	319.4	317.0	317.4
60°	228.4	225.6	238.4	231.4	249.0	256.4	292.4	290.2	305.4	304.8	307.6
62.5°	209.4	206.0	212.6	220.6	232.4	239.8	271.2	272.0	287.6	295.6	284.2
65°	174.4	186.2	192.4	197.4	210.6	216.0	241.2	245.0	259.0	263.8	263.2
67.5°	163.6	162.0	169.4	171.0	184.0	194.6	227.6	223.4	235.0	248.2	238.6
70°	143.2	140.2	146.2	148.8	161.4	169.2	186.2	194.8	206.2	212.6	203.6
72.5°	113.2	116.6	126.8	128.0	134.6	141.6	167.8	165.8	184.2	187.8	180.4
75°	84.8	95.0	101.2	101.8	109.6	117.2	136.4	141.0	156.2	150.0	143.8
77.5°	76.4	74.2	79.2	82.0	87.0	93.0	103.2	107.8	124.2	118.8	119.0
80°	56.6	54.4	58.2	58.4	64.2	67.8	74.4	79.6	87.8	87.0	90.0
82.5°	37.8	37.4	39.0	39.8	43.0	46.0	50.4	53.8	57.8	59.0	57.6
85°	20.8	21.2	23.4	23.4	23.6	24.8	27.0	29.6	30.8	31.6	30.6
87.5°	10.2	10.6	10.6	10.0	10.0	9.6	9.8	10.4	11.8	11.0	10.6
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°	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0
2.5°	295.8	292.2	286.6	292.0	289.0	277.2	285.4	302.2	290.8	280.6
5°	296.2	291.8	286.0	289.8	287.6	287.0	289.0	291.6	288.2	292.0
7.5°	298.4	290.8	286.4	290.6	297.4	291.8	282.4	297.4	284.6	280.4
10°	301.2	293.0	287.8	282.2	297.6	281.0	282.2	286.2	283.4	290.4
12.5°	296.4	296.6	289.6	292.6	287.8	276.0	272.6	284.6	283.2	283.2
15°	310.0	300.4	299.8	295.4	289.4	292.0	280.8	283.0	281.8	286.8
17.5°	314.6	306.0	300.6	299.0	291.4	282.4	280.2	281.0	280.6	283.0
20°	327.0	308.6	304.8	302.2	293.2	293.4	279.4	278.4	271.2	281.2
22.5°	319.4	317.8	305.2	305.4	294.2	285.2	277.6	274.8	266.6	281.0
25°	332.4	315.4	311.6	308.6	285.4	284.4	275.2	271.6	270.0	277.4
27.5°	333.4	319.2	315.4	300.4	285.6	278.4	267.2	264.6	253.2	272.8
30°	364.2	333.4	303.4	312.4	295.2	286.2	267.0	260.8	245.8	255.4
32.5°	346.0	326.6	310.0	313.4	287.2	280.6	260.6	257.0	237.2	246.2
35°	359.8	335.4	322.2	310.0	271.4	273.4	251.8	239.6	240.8	235.8
37.5°	362.8	339.8	321.4	300.2	273.4	264.2	235.0	227.4	223.4	221.6
40°	346.6	336.0	311.6	305.6	270.2	252.2	216.8	211.4	196.0	215.6
42.5°	348.6	334.0	311.2	290.4	257.0	238.0	210.8	186.2	171.6	169.2
45°	340.8	330.0	297.4	278.8	241.2	221.2	172.8	126.8	111.8	114.0
47.5°	337.0	303.4	298.4	266.8	232.6	196.8	134.2	108.4	94.8	91.2
50°	332.4	318.0	270.4	256.4	219.8	151.4	104.6	85.0	75.0	76.6
52.5°	333.6	312.6	278.6	242.6	194.8	126.2	98.8	70.8	63.6	61.4
55°	316.4	292.4	266.4	226.6	153.2	110.2	84.2	55.4	44.4	40.6
57.5°	305.2	283.8	251.2	206.4	133.0	94.8	63.2	23.2	16.4	16.0
60°	298.4	273.8	234.2	183.4	122.8	79.8	38.6	13.0	6.8	5.4
62.5°	280.8	249.2	206.6	153.4	106.6	53.4	29.4	5.8	0.0	0.0
65°	248.8	226.8	179.6	131.0	83.6	43.4	21.6	3.6	0.0	0.0
67.5°	226.2	190.8	165.8	116.8	69.2	36.0	19.6	3.4	0.0	0.0
70°	198.4	185.2	143.8	99.6	60.4	30.0	16.2	2.8	0.0	0.0
72.5°	170.2	153.0	126.6	85.6	49.2	25.2	13.2	2.6	0.0	0.0
75°	138.8	129.6	100.2	66.8	41.2	21.0	10.6	2.2	0.0	0.0
77.5°	106.8	100.8	81.2	55.0	32.8	16.8	8.6	1.6	0.0	0.0
80°	84.6	74.8	57.4	37.8	23.8	12.2	6.0	1.2	0.0	0.0
82.5°	55.4	47.4	38.8	26.6	16.2	7.8	4.2	0.6	0.0	0.0
85°	29.2	25.6	21.6	14.2	9.2	4.6	2.4	0.6	0.0	0.0
87.5°	10.6	8.8	7.4	5.0	3.4	1.6	0.8	0.2	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)