

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: P394819

Luminaire Tested: **303-W1-LEDB2-3000-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394819
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-LEDB2-3000-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, TWO LIGHTBARS, TYPE 2
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

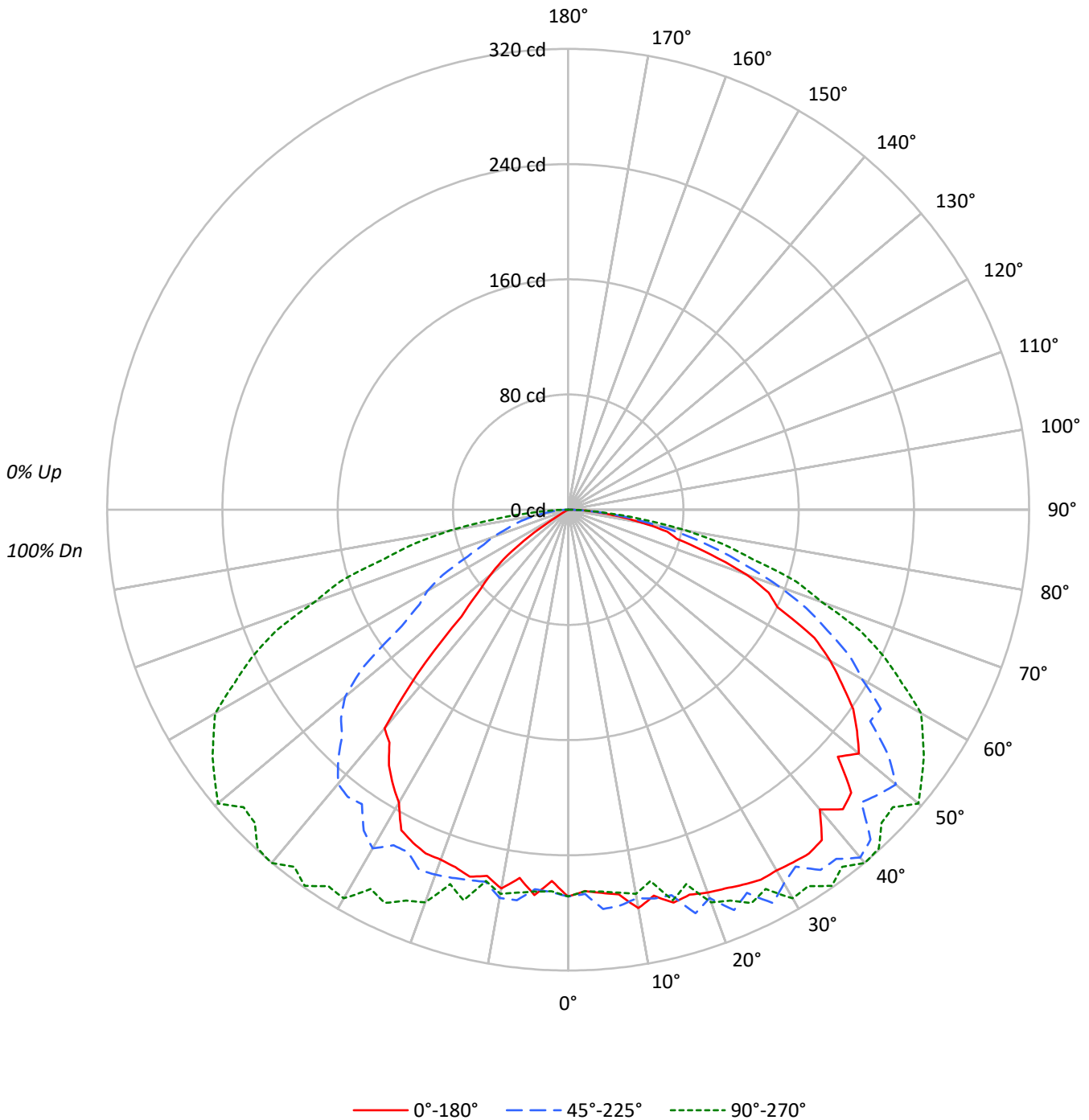
Lumens per Lamp: N/A
Luminaire Lumens: 1065.3 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (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	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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82					82			
2	98	89	82	75	95	87	80	74	83	78	73	80	75	71	77	73	69	67					67			
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55					55			
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	53	49	47					47			
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40					40			
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34					34			
7	62	48	39	33	61	47	39	33	46	38	32	44	37	32	43	37	32	30					30			
8	58	44	35	29	56	43	35	29	42	34	28	40	33	28	39	33	28	26					26			
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	30	25	23					23			
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21					21			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18504	18504	18504
5°	18471	18409	18575
10°	19650	18943	18684
15°	20148	20020	18814
20°	20740	21268	18958
25°	21838	22902	19391
30°	23005	24787	18686
35°	24515	26811	18241
40°	24434	28795	17833
45°	27075	29968	10210
50°	28230	34006	7545
55°	29006	36188	4480
60°	28948	38978	689
65°	26146	39464	0
70°	26527	37726	0
75°	20761	35214	0
80°	20669	32849	0
85°	15097	22211	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	2.4
10°-20°	78.2	7.3
20°-30°	131.0	12.3
30°-40°	178.6	16.8
40°-50°	200.7	18.8
50°-60°	191.6	18.0
60°-70°	150.3	14.1
70°-80°	87.4	8.2
80°-90°	21.7	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°	234.9	22.1
0°-40°	413.5	38.8
0°-60°	805.8	75.6
0°-90°	1065.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	269	269	269	269	269	
5°	267	278	266	264	269	26
15°	282	277	281	266	264	79
25°	287	294	301	262	255	133
35°	292	305	319	250	217	181
45°	278	288	308	222	105	209
55°	242	256	301	141	37	214
65°	160	199	242	77	0	167
75°	78	108	132	38	0	91
85°	19	23	28	8	0	24
90°	0	0	0	0	0	



TEST NUMBER: P394819

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	265.1	279.8	276.3	270.0	264.5	267.1	269.1	276.6	266.0	268.9	265.2
5°	267.1	265.8	272.6	261.9	266.9	278.3	252.9	264.9	267.5	269.8	266.2
7.5°	269.5	272.4	274.3	281.8	265.8	277.2	274.4	275.9	285.1	272.0	268.2
10°	280.9	288.2	278.3	258.4	268.4	273.9	278.3	276.3	278.1	274.8	270.8
12.5°	274.6	277.4	281.2	284.4	276.3	276.6	273.5	277.2	301.3	277.6	264.0
15°	282.5	303.1	284.2	280.0	279.8	277.0	286.0	283.1	283.6	281.8	280.7
17.5°	280.3	287.9	287.5	282.9	275.4	293.8	290.6	286.6	308.1	286.6	272.6
20°	282.9	291.0	290.4	286.0	287.5	286.9	277.2	291.0	292.8	282.5	290.1
22.5°	284.7	300.7	290.1	268.6	290.4	300.9	298.7	298.7	297.2	296.5	293.8
25°	287.3	294.1	291.0	280.3	274.4	293.6	295.4	308.5	303.1	302.6	301.3
27.5°	289.7	294.7	295.0	291.0	297.6	307.9	308.5	303.5	308.8	307.6	296.9
30°	289.2	295.4	296.5	294.1	278.9	299.6	306.3	309.4	310.7	311.6	311.6
32.5°	290.4	306.8	300.4	286.2	292.3	293.8	310.3	319.7	321.9	316.0	309.9
35°	291.5	295.6	298.2	286.9	305.3	305.3	314.2	314.7	322.8	318.2	318.8
37.5°	289.2	293.8	289.3	296.9	294.1	305.7	320.6	314.7	319.1	324.1	312.5
40°	271.7	296.9	286.0	286.6	293.2	315.3	320.1	325.4	324.5	316.9	320.2
42.5°	282.2	291.0	288.8	289.3	289.7	310.7	314.2	323.4	317.5	325.0	319.1
45°	277.9	286.0	284.2	285.3	296.3	287.5	315.1	310.3	317.3	317.5	307.6
47.5°	253.8	286.6	278.7	281.1	291.0	292.5	311.2	308.8	324.1	317.9	305.7
50°	263.4	277.4	260.6	273.3	285.7	296.9	305.9	313.1	312.5	305.9	317.3
52.5°	252.7	252.7	259.4	254.0	270.0	280.1	298.2	296.0	309.4	318.8	309.0
55°	241.5	238.8	246.8	223.7	258.3	256.0	288.4	309.9	312.0	285.3	301.3
57.5°	225.3	231.4	236.0	236.4	239.9	257.3	275.0	288.4	293.8	291.5	291.9
60°	210.1	207.5	219.3	212.8	229.0	235.8	268.9	266.9	280.9	280.3	282.9
62.5°	192.6	189.5	195.5	202.9	213.7	220.5	249.4	250.2	264.5	271.9	261.4
65°	160.4	171.2	177.0	181.6	193.7	198.7	221.8	225.3	238.2	242.6	242.1
67.5°	150.5	149.0	155.8	157.3	169.2	179.0	209.3	205.5	216.1	228.3	219.4
70°	131.7	128.9	134.5	136.9	148.4	155.6	171.2	179.2	189.6	195.5	187.3
72.5°	104.1	107.2	116.6	117.7	123.8	130.2	154.3	152.5	169.4	172.7	165.9
75°	78.0	87.4	93.1	93.6	100.8	107.8	125.4	129.7	143.7	138.0	132.3
77.5°	70.3	68.2	72.8	75.4	80.0	85.5	94.9	99.1	114.2	109.3	109.4
80°	52.1	50.0	53.5	53.7	59.0	62.4	68.4	73.2	80.8	80.0	82.8
82.5°	34.8	34.4	35.9	36.6	39.5	42.3	46.4	49.5	53.2	54.3	53.0
85°	19.1	19.5	21.5	21.5	21.7	22.8	24.8	27.2	28.3	29.1	28.1
87.5°	9.4	9.7	9.7	9.2	9.2	8.8	9.0	9.6	10.9	10.1	9.7
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	272.0	268.7	263.6	268.6	265.8	254.9	262.5	277.9	267.5	258.1
5°	272.4	268.4	263.0	266.5	264.5	264.0	265.8	268.2	265.1	268.6
7.5°	274.4	267.5	263.4	267.3	273.5	268.4	259.7	273.5	261.7	257.9
10°	277.0	269.5	264.7	259.5	273.7	258.4	259.5	263.2	260.6	267.1
12.5°	272.6	272.8	266.3	269.1	264.7	253.8	250.7	261.7	260.5	260.5
15°	285.1	276.3	275.7	271.7	266.2	268.6	258.3	260.3	259.2	263.8
17.5°	289.3	281.4	276.5	275.0	268.0	259.7	257.7	258.4	258.1	260.3
20°	300.7	283.8	280.3	277.9	269.7	269.8	257.0	256.0	249.4	258.6
22.5°	293.8	292.3	280.7	280.9	270.6	262.3	255.3	252.7	245.2	258.4
25°	305.7	290.1	286.6	283.8	262.5	261.6	253.1	249.8	248.3	255.1
27.5°	306.6	293.6	290.1	276.3	262.7	256.0	245.7	243.4	232.9	250.9
30°	335.0	306.6	279.0	287.3	271.5	263.2	245.6	239.9	226.1	234.9
32.5°	318.2	300.4	285.1	288.2	264.1	258.1	239.7	236.4	218.2	226.4
35°	330.9	308.5	296.3	285.1	249.6	251.4	231.6	220.4	221.5	216.9
37.5°	333.7	312.5	295.6	276.1	251.4	243.0	216.1	209.1	205.5	203.8
40°	318.8	309.0	286.6	281.1	248.5	232.0	199.4	194.4	180.3	198.3
42.5°	320.6	307.2	286.2	267.1	236.4	218.9	193.9	171.2	157.8	155.6
45°	313.4	303.5	273.5	256.4	221.8	203.4	158.9	116.6	102.8	104.8
47.5°	309.9	279.0	274.4	245.4	213.9	181.0	123.4	99.7	87.2	83.9
50°	305.7	292.5	248.7	235.8	202.2	139.2	96.2	78.2	69.0	70.4
52.5°	306.8	287.5	256.2	223.1	179.2	116.1	90.9	65.1	58.5	56.5
55°	291.0	268.9	245.0	208.4	140.9	101.4	77.4	51.0	40.8	37.3
57.5°	280.7	261.0	231.0	189.8	122.3	87.2	58.1	21.3	15.1	14.7
60°	274.4	251.8	215.4	168.7	112.9	73.4	35.5	12.0	6.3	5.0
62.5°	258.3	229.2	190.0	141.1	98.0	49.1	27.0	5.3	0.0	0.0
65°	228.8	208.6	165.2	120.5	76.9	39.9	19.9	3.3	0.0	0.0
67.5°	208.0	175.5	152.5	107.4	63.6	33.1	18.0	3.1	0.0	0.0
70°	182.5	170.3	132.3	91.6	55.6	27.6	14.9	2.6	0.0	0.0
72.5°	156.5	140.7	116.4	78.7	45.2	23.2	12.1	2.4	0.0	0.0
75°	127.7	119.2	92.2	61.4	37.9	19.3	9.7	2.0	0.0	0.0
77.5°	98.2	92.7	74.7	50.6	30.2	15.5	7.9	1.5	0.0	0.0
80°	77.8	68.8	52.8	34.8	21.9	11.2	5.5	1.1	0.0	0.0
82.5°	51.0	43.6	35.7	24.5	14.9	7.2	3.9	0.6	0.0	0.0
85°	26.9	23.5	19.9	13.1	8.5	4.2	2.2	0.6	0.0	0.0
87.5°	9.7	8.1	6.8	4.6	3.1	1.5	0.7	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)