

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: P394871

Luminaire Tested: **303-W1-LEDB2-2700-UNV-T4-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394871  
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-LEDB2-2700-UNV-T4-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, TWO LIGHTBARS, TYPE 4  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

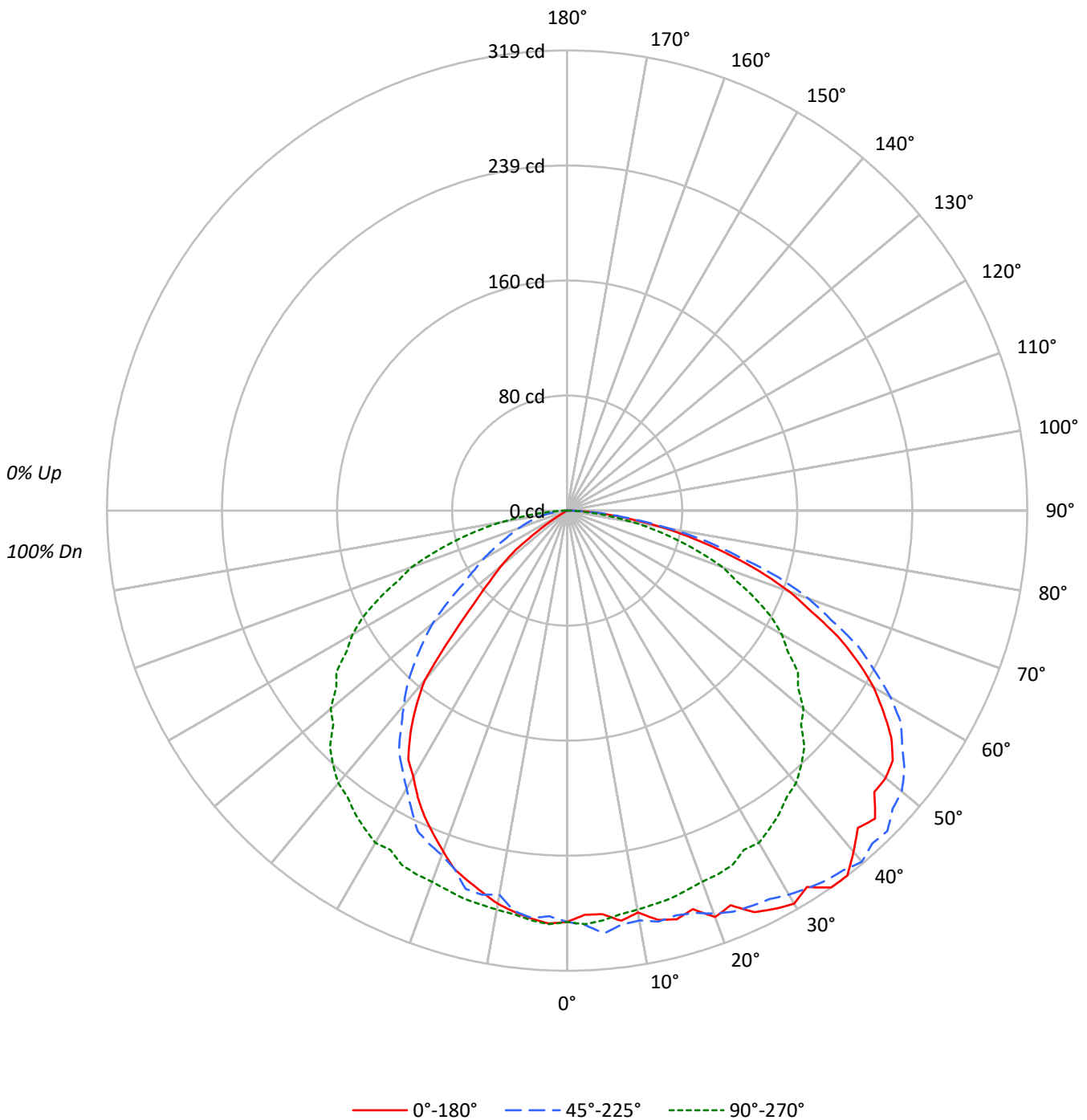
Lumens per Lamp: N/A  
Luminaire Lumens: 946.2 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52  
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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°	19641	19641	19641
5°	19418	19716	19640
10°	19790	19650	19363
15°	20918	19848	18950
20°	21986	20073	18423
25°	23351	20607	17779
30°	25034	21152	16960
35°	26828	21563	15954
40°	27770	22195	13813
45°	29422	22651	8885
50°	30898	22925	6388
55°	32945	23457	3051
60°	33825	23684	69
65°	33808	23408	0
70°	32953	23163	0
75°	30317	21187	0
80°	26541	18249	0
85°	19049	12331	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.1	2.9
10°-20°	79.2	8.4
20°-30°	125.4	13.3
30°-40°	160.9	17.0
40°-50°	172.6	18.2
50°-60°	159.9	16.9
60°-70°	127.2	13.4
70°-80°	75.2	8.0
80°-90°	18.6	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°	231.8	24.5
0°-40°	392.6	41.5
0°-60°	725.2	76.6
0°-90°	946.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	285	285	285	285	285	
5°	281	294	285	283	284	27
15°	293	291	278	272	266	83
25°	307	302	271	245	234	142
35°	319	313	256	204	190	198
45°	302	314	232	150	91	230
55°	274	283	195	87	25	243
65°	207	222	144	48	0	204
75°	114	123	80	25	0	121
85°	24	27	16	6	0	31
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°	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1
2.5°	280.4	286.0	285.8	283.4	281.7	287.6	281.3	287.2	285.6	285.2	287.0
5°	280.8	290.6	287.2	289.4	285.1	294.2	285.6	288.5	279.2	287.0	285.1
7.5°	286.8	291.1	288.3	291.1	282.9	289.5	286.1	288.6	289.4	284.9	282.2
10°	282.9	292.7	289.9	288.3	287.4	288.5	283.6	287.9	289.0	284.2	280.9
12.5°	290.6	295.1	291.3	293.6	284.9	291.9	287.9	288.3	285.2	283.1	279.5
15°	293.3	294.4	294.7	296.9	289.7	290.6	289.0	288.5	285.4	281.7	278.3
17.5°	289.7	300.3	296.5	296.0	293.6	292.4	290.6	289.0	288.3	282.0	275.9
20°	299.9	303.3	300.6	299.0	294.9	297.2	292.4	290.8	282.2	278.8	273.8
22.5°	296.1	303.5	303.3	304.4	300.3	301.0	292.4	292.0	284.0	276.8	272.9
25°	307.2	310.6	306.7	306.0	300.3	302.4	293.3	291.7	282.6	274.7	271.1
27.5°	311.3	314.4	312.6	313.7	308.3	303.7	299.4	296.9	283.1	273.4	265.2
30°	314.7	320.3	318.9	316.4	309.9	307.4	302.4	297.8	288.5	271.6	265.9
32.5°	309.4	319.9	314.7	316.7	316.0	310.3	303.1	296.9	288.6	273.3	261.3
35°	319.0	317.2	318.0	321.4	316.2	313.0	308.5	300.4	288.5	270.6	256.4
37.5°	319.0	321.0	316.5	322.1	317.1	314.4	306.0	297.0	286.7	262.7	250.2
40°	308.8	314.6	316.0	321.0	319.6	317.8	309.6	298.3	283.4	258.4	246.8
42.5°	298.3	311.5	307.9	316.5	318.9	313.1	308.3	291.9	278.8	252.5	240.0
45°	302.0	310.5	309.7	315.5	312.6	314.0	305.1	290.8	269.3	248.4	232.5
47.5°	288.8	304.2	300.4	310.1	309.0	306.0	300.4	284.0	264.7	236.4	220.0
50°	288.3	293.5	295.4	300.4	304.9	302.8	290.2	283.1	255.6	225.3	213.9
52.5°	284.5	281.8	285.8	291.0	294.4	294.7	281.5	264.5	246.4	220.3	201.7
55°	274.3	271.8	275.4	280.2	288.6	283.4	277.2	256.4	233.7	206.0	195.3
57.5°	260.0	256.8	258.9	268.1	276.1	274.5	265.6	245.7	229.8	198.3	181.0
60°	245.5	243.0	241.6	252.2	256.6	258.8	249.6	229.3	210.7	183.8	171.9
62.5°	227.5	230.2	231.4	236.1	240.2	240.2	235.3	213.7	194.4	170.2	159.3
65°	207.4	204.9	207.1	218.5	224.1	222.5	219.4	196.7	178.1	155.6	143.6
67.5°	183.5	183.7	190.1	194.0	203.3	198.1	195.1	178.8	157.7	139.5	126.4
70°	163.6	162.6	163.5	171.0	175.1	177.9	172.2	154.5	139.3	122.7	115.0
72.5°	139.8	138.2	139.3	147.0	150.0	153.4	145.7	132.0	120.7	105.0	96.7
75°	113.9	114.1	116.2	118.7	125.5	122.9	120.7	109.3	97.1	84.9	79.6
77.5°	89.6	90.0	91.7	95.5	98.7	99.1	96.7	85.8	75.3	66.5	62.4
80°	66.9	66.0	66.5	69.4	73.1	72.8	70.1	63.1	56.3	48.1	46.0
82.5°	43.5	43.8	44.2	46.7	46.7	46.5	46.1	42.0	37.7	31.5	29.9
85°	24.1	24.7	25.6	25.4	26.3	27.0	24.9	22.5	19.1	17.5	15.6
87.5°	11.1	10.6	10.7	10.0	10.2	9.8	8.8	7.7	6.8	5.5	5.0
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°	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1
2.5°	285.4	288.8	286.7	284.0	281.5	284.2	284.5	281.8	282.7	286.5
5°	287.2	282.4	285.4	285.6	283.3	284.7	275.9	282.0	280.4	284.0
7.5°	283.6	286.1	282.9	282.9	280.1	281.7	279.9	278.3	282.2	280.6
10°	282.7	280.8	282.9	280.1	270.4	275.0	272.7	274.3	272.9	276.8
12.5°	280.1	276.8	277.5	276.3	272.7	270.8	272.0	272.9	275.0	271.1
15°	278.3	275.9	273.8	274.1	271.6	266.6	260.6	263.8	262.2	265.7
17.5°	275.8	271.8	271.1	265.2	260.2	263.4	260.9	258.1	255.9	260.4
20°	274.3	270.9	266.5	258.4	254.1	253.4	253.9	253.4	251.6	251.3
22.5°	269.9	263.6	260.2	252.2	250.0	245.9	240.2	244.6	240.0	242.5
25°	266.6	259.1	255.0	247.9	245.2	237.5	236.2	230.3	232.3	233.9
27.5°	265.0	256.8	246.6	237.1	233.6	228.0	228.0	222.3	223.4	224.1
30°	260.0	248.4	242.7	231.6	222.6	218.2	215.0	212.6	213.5	213.2
32.5°	255.6	241.6	230.7	217.5	212.5	207.3	206.4	198.9	204.2	204.9
35°	250.4	234.4	221.6	206.9	203.5	195.6	194.0	189.4	188.5	189.7
37.5°	246.4	226.0	212.6	196.5	188.7	184.7	181.2	173.5	171.1	172.6
40°	236.8	216.7	201.4	187.1	176.1	166.1	166.5	157.7	154.3	153.6
42.5°	233.9	207.3	190.3	174.2	164.2	154.9	147.2	137.5	123.2	118.7
45°	220.3	198.3	176.1	159.9	149.7	138.4	122.3	95.1	91.4	91.2
47.5°	211.0	187.6	164.3	149.0	135.7	120.5	95.7	78.7	73.7	72.6
50°	202.4	174.9	153.1	136.1	121.8	92.3	78.9	62.8	56.3	59.6
52.5°	191.4	165.1	142.7	123.4	104.1	78.0	66.2	51.0	44.7	44.9
55°	181.7	156.1	134.3	112.3	86.7	67.1	53.6	36.8	26.8	25.4
57.5°	171.1	145.6	125.2	100.9	75.8	56.3	39.2	17.5	10.4	10.6
60°	158.6	135.4	113.2	85.7	66.7	45.4	25.4	7.7	0.5	0.5
62.5°	148.1	124.1	102.8	76.7	57.6	32.0	16.8	0.5	0.0	0.0
65°	135.6	112.7	92.8	68.5	48.5	27.0	13.1	1.3	0.0	0.0
67.5°	120.2	100.9	82.4	60.4	41.7	22.9	12.3	2.0	0.0	0.0
70°	104.8	88.5	72.2	52.6	35.6	20.4	10.9	2.1	0.0	0.0
72.5°	90.0	74.9	60.6	44.5	29.9	17.3	9.5	2.0	0.0	0.0
75°	73.0	61.7	50.1	36.8	24.7	14.3	7.7	1.6	0.0	0.0
77.5°	56.5	47.9	40.8	29.0	19.7	11.3	6.1	1.3	0.0	0.0
80°	43.1	35.4	29.0	21.1	14.5	8.0	4.5	0.9	0.0	0.0
82.5°	27.0	23.4	19.3	13.9	9.3	5.4	2.9	0.5	0.0	0.0
85°	15.0	12.7	10.9	7.9	5.5	3.0	1.6	0.4	0.0	0.0
87.5°	5.2	4.5	3.8	2.9	2.0	1.1	0.5	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)