

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: P394813

Luminaire Tested: **303-W1-LEDB2-2700-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394813
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-LEDB2-2700-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, TWO LIGHTBARS, TYPE 2
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

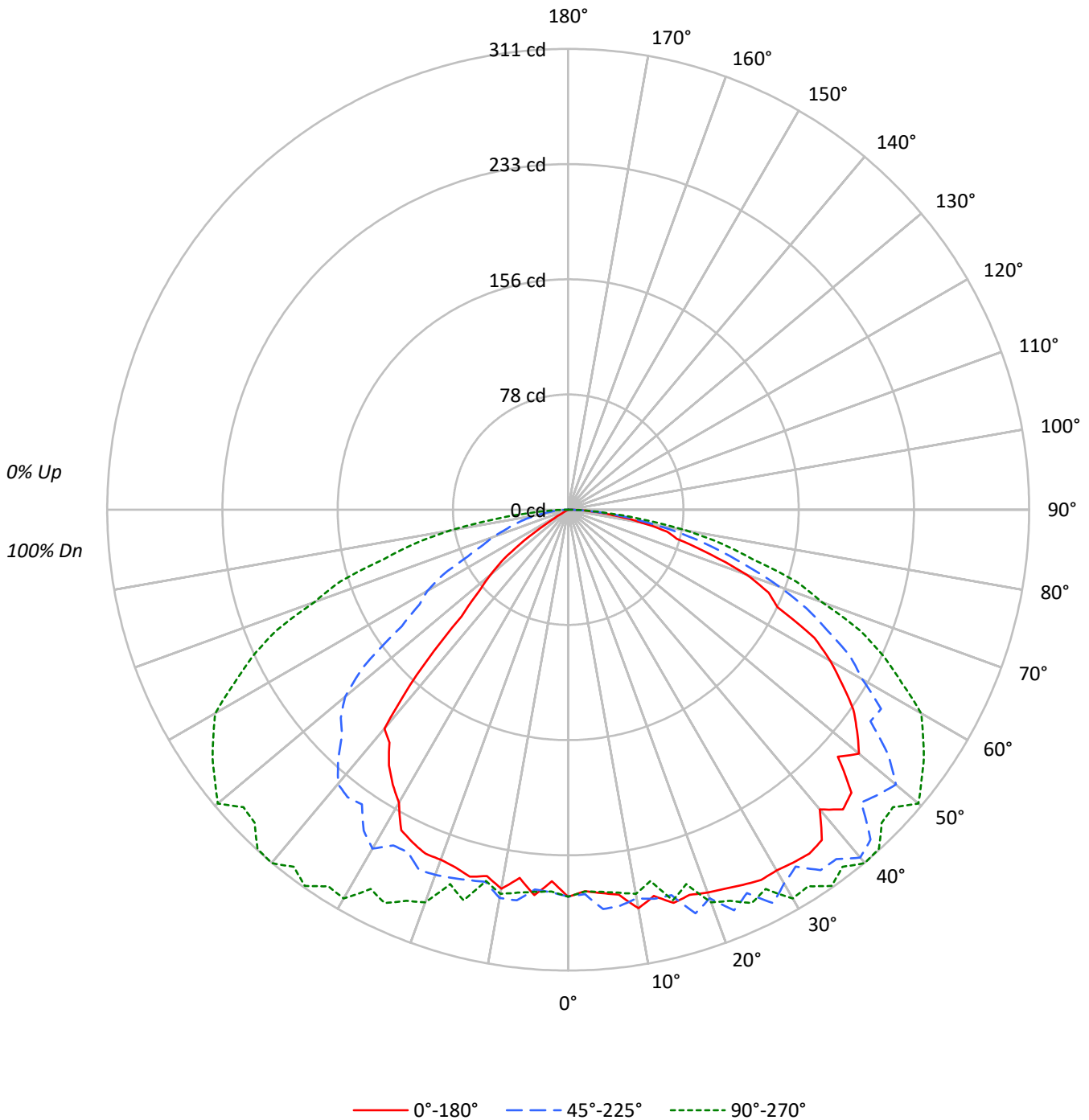
Lumens per Lamp: N/A
Luminaire Lumens: 1035.7 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

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	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°	17987	17987	17987
5°	17959	17897	18056
10°	19104	18412	18167
15°	19592	19463	18287
20°	20161	20674	18430
25°	21230	22264	18851
30°	22361	24095	18169
35°	23834	26062	17728
40°	23750	27995	17338
45°	26324	29130	9928
50°	27447	33063	7341
55°	28201	35179	4360
60°	28135	37890	661
65°	25413	38356	0
70°	25782	36679	0
75°	20176	34230	0
80°	20074	31936	0
85°	14702	21658	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	2.4
10°-20°	76.0	7.3
20°-30°	127.4	12.3
30°-40°	173.6	16.8
40°-50°	195.1	18.8
50°-60°	186.3	18.0
60°-70°	146.2	14.1
70°-80°	85.0	8.2
80°-90°	21.1	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°	228.4	22.1
0°-40°	402.0	38.8
0°-60°	783.4	75.6
0°-90°	1035.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1035.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	261	261	261	261	261	
5°	260	271	259	257	261	25
15°	275	269	273	259	256	77
25°	279	285	293	255	248	129
35°	283	297	310	243	211	176
45°	270	280	299	216	102	203
55°	235	249	293	137	36	208
65°	156	193	235	75	0	162
75°	76	105	129	37	0	88
85°	19	22	27	8	0	24
90°	0	0	0	0	0	



TEST NUMBER: P394813

CATALOG NUMBER: 303-W1-LEDB2-2700-UNV-T2-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	257.7	272.0	268.6	262.5	257.2	259.7	261.6	269.0	258.6	261.5	257.9
5°	259.7	258.4	265.0	254.7	259.5	270.6	245.9	257.5	260.0	262.3	258.8
7.5°	262.0	264.9	266.6	274.0	258.4	269.5	266.8	268.2	277.2	264.5	260.7
10°	273.1	280.2	270.6	251.3	260.9	266.3	270.6	268.6	270.4	267.2	263.2
12.5°	267.0	269.7	273.4	276.5	268.6	269.0	265.9	269.5	292.9	269.9	256.6
15°	274.7	294.7	276.3	272.2	272.0	269.3	278.1	275.2	275.8	274.0	272.9
17.5°	272.5	279.9	279.5	275.0	267.7	285.6	282.6	278.6	299.5	278.6	265.0
20°	275.0	282.9	282.4	278.1	279.5	279.0	269.5	282.9	284.7	274.7	282.0
22.5°	276.8	292.4	282.0	261.1	282.4	292.6	290.4	290.4	289.0	288.3	285.6
25°	279.3	286.0	282.9	272.5	266.8	285.4	287.2	299.9	294.7	294.2	292.9
27.5°	281.7	286.5	286.8	282.9	289.4	299.4	299.9	295.1	300.3	299.0	288.6
30°	281.1	287.2	288.3	286.0	271.1	291.3	297.8	300.8	302.0	302.9	302.9
32.5°	282.4	298.3	292.0	278.3	284.2	285.6	301.7	310.8	313.0	307.2	301.3
35°	283.4	287.4	289.9	279.0	296.9	296.9	305.4	306.0	313.9	309.4	309.9
37.5°	281.1	285.6	281.3	288.6	286.0	297.2	311.7	306.0	310.3	315.1	303.8
40°	264.1	288.6	278.1	278.6	285.1	306.5	311.2	316.4	315.5	308.1	311.3
42.5°	274.3	282.9	280.8	281.3	281.7	302.0	305.4	314.4	308.7	316.0	310.3
45°	270.2	278.1	276.3	277.4	288.1	279.5	306.3	301.7	308.5	308.7	299.0
47.5°	246.8	278.6	270.9	273.3	282.9	284.3	302.6	300.3	315.1	309.0	297.2
50°	256.1	269.7	253.4	265.7	277.7	288.6	297.4	304.4	303.8	297.4	308.5
52.5°	245.7	245.7	252.2	247.0	262.5	272.4	289.9	287.7	300.8	309.9	300.4
55°	234.8	232.1	240.0	217.5	251.1	248.9	280.4	301.3	303.3	277.4	292.9
57.5°	219.1	225.0	229.4	229.8	233.2	250.2	267.4	280.4	285.6	283.4	283.8
60°	204.2	201.7	213.2	206.9	222.6	229.3	261.5	259.5	273.1	272.5	275.0
62.5°	187.2	184.2	190.1	197.3	207.8	214.4	242.5	243.2	257.2	264.3	254.1
65°	155.9	166.5	172.0	176.5	188.3	193.1	215.7	219.1	231.6	235.9	235.3
67.5°	146.3	144.9	151.5	152.9	164.5	174.0	203.5	199.8	210.1	221.9	213.3
70°	128.0	125.4	130.7	133.1	144.3	151.3	166.5	174.2	184.4	190.1	182.1
72.5°	101.2	104.3	113.4	114.5	120.4	126.6	150.0	148.3	164.7	167.9	161.3
75°	75.8	84.9	90.5	91.0	98.0	104.8	122.0	126.1	139.7	134.1	128.6
77.5°	68.3	66.3	70.8	73.3	77.8	83.2	92.3	96.4	111.1	106.2	106.4
80°	50.6	48.6	52.0	52.2	57.4	60.6	66.5	71.2	78.5	77.8	80.5
82.5°	33.8	33.4	34.9	35.6	38.4	41.1	45.1	48.1	51.7	52.8	51.5
85°	18.6	19.0	20.9	20.9	21.1	22.2	24.1	26.5	27.5	28.3	27.4
87.5°	9.1	9.5	9.5	8.9	8.9	8.6	8.8	9.3	10.6	9.8	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394813

CATALOG NUMBER: 303-W1-LEDB2-2700-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	264.5	261.3	256.3	261.1	258.4	247.9	255.2	270.2	260.0	250.9
5°	264.9	260.9	255.7	259.1	257.2	256.6	258.4	260.7	257.7	261.1
7.5°	266.8	260.0	256.1	259.8	265.9	260.9	252.5	265.9	254.5	250.7
10°	269.3	262.0	257.3	252.3	266.1	251.3	252.3	255.9	253.4	259.7
12.5°	265.0	265.2	258.9	261.6	257.3	246.8	243.7	254.5	253.2	253.2
15°	277.2	268.6	268.1	264.1	258.8	261.1	251.1	253.0	252.0	256.4
17.5°	281.3	273.6	268.8	267.4	260.6	252.5	250.5	251.3	250.9	253.0
20°	292.4	275.9	272.5	270.2	262.2	262.3	249.8	248.9	242.5	251.4
22.5°	285.6	284.2	272.9	273.1	263.1	255.0	248.2	245.7	238.4	251.3
25°	297.2	282.0	278.6	275.9	255.2	254.3	246.1	242.9	241.4	248.0
27.5°	298.1	285.4	282.0	268.6	255.4	248.9	238.9	236.6	226.4	243.9
30°	325.7	298.1	271.3	279.3	264.0	255.9	238.7	233.2	219.8	228.4
32.5°	309.4	292.0	277.2	280.2	256.8	250.9	233.0	229.8	212.1	220.1
35°	321.7	299.9	288.1	277.2	242.7	244.5	225.1	214.2	215.3	210.8
37.5°	324.4	303.8	287.4	268.4	244.5	236.2	210.1	203.3	199.8	198.1
40°	309.9	300.4	278.6	273.3	241.6	225.5	193.9	189.0	175.3	192.8
42.5°	311.7	298.6	278.3	259.7	229.8	212.8	188.5	166.5	153.4	151.3
45°	304.7	295.1	265.9	249.3	215.7	197.8	154.5	113.4	100.0	101.9
47.5°	301.3	271.3	266.8	238.6	208.0	176.0	120.0	96.9	84.8	81.5
50°	297.2	284.3	241.8	229.3	196.5	135.4	93.5	76.0	67.1	68.5
52.5°	298.3	279.5	249.1	216.9	174.2	112.8	88.3	63.3	56.9	54.9
55°	282.9	261.5	238.2	202.6	137.0	98.5	75.3	49.5	39.7	36.3
57.5°	272.9	253.8	224.6	184.6	118.9	84.8	56.5	20.7	14.7	14.3
60°	266.8	244.8	209.4	164.0	109.8	71.4	34.5	11.6	6.1	4.8
62.5°	251.1	222.8	184.7	137.2	95.3	47.7	26.3	5.2	0.0	0.0
65°	222.5	202.8	160.6	117.1	74.8	38.8	19.3	3.2	0.0	0.0
67.5°	202.3	170.6	148.3	104.4	61.9	32.2	17.5	3.0	0.0	0.0
70°	177.4	165.6	128.6	89.1	54.0	26.8	14.5	2.5	0.0	0.0
72.5°	152.2	136.8	113.2	76.5	44.0	22.5	11.8	2.3	0.0	0.0
75°	124.1	115.9	89.6	59.7	36.8	18.8	9.5	2.0	0.0	0.0
77.5°	95.5	90.1	72.6	49.2	29.3	15.0	7.7	1.4	0.0	0.0
80°	75.6	66.9	51.3	33.8	21.3	10.9	5.4	1.1	0.0	0.0
82.5°	49.5	42.4	34.7	23.8	14.5	7.0	3.8	0.5	0.0	0.0
85°	26.1	22.9	19.3	12.7	8.2	4.1	2.1	0.5	0.0	0.0
87.5°	9.5	7.9	6.6	4.5	3.0	1.4	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)