

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: P394930

Luminaire Tested: **303-A1-LEDB1-2700-UNV-T5X-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-A1-LEDB1-2700-UNV-T5X-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, ONE LIGHTBAR, TYPE 5  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

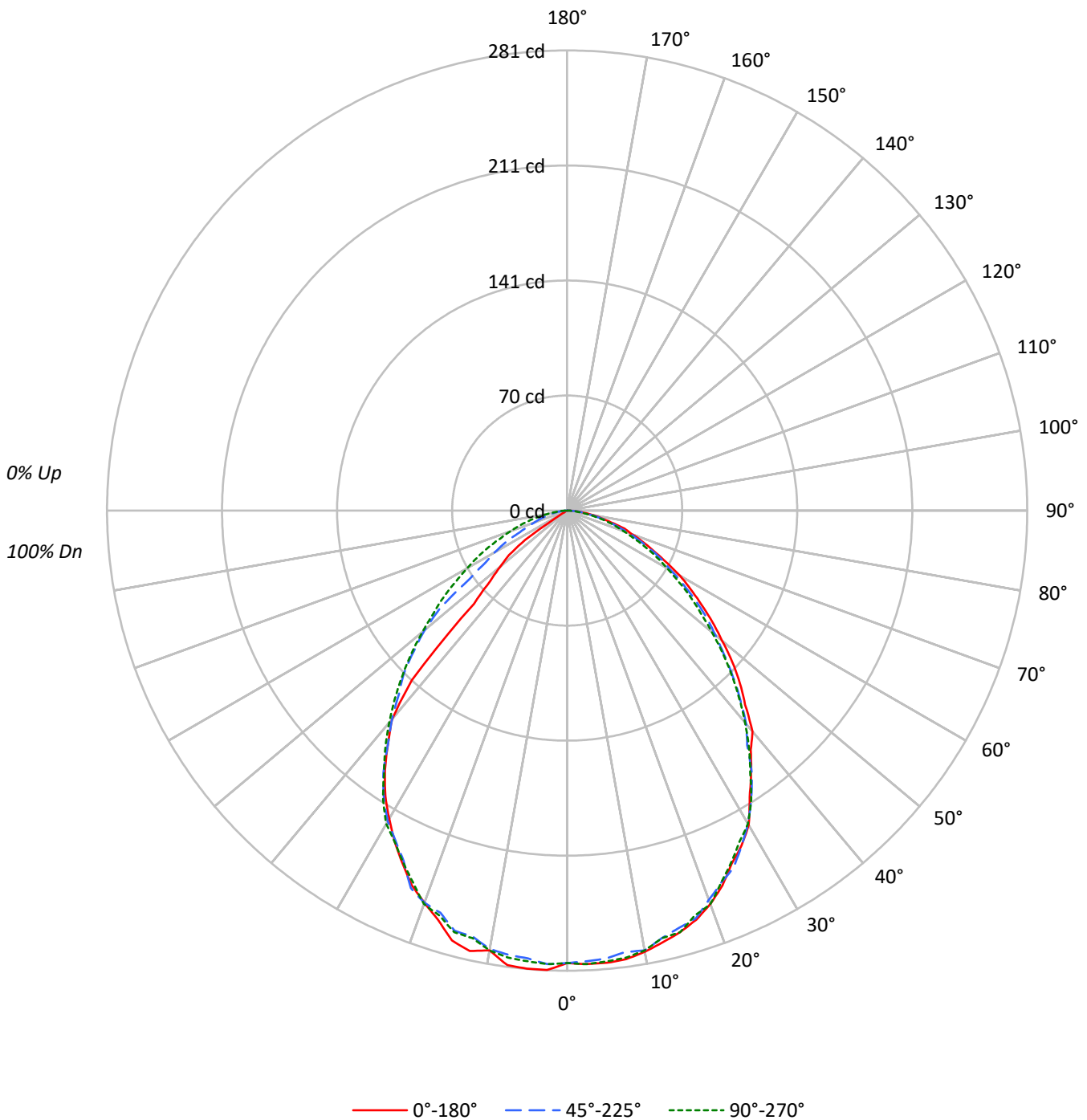
Lumens per Lamp: N/A  
Luminaire Lumens: 578.4 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
CIE Type: Direct

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	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	110	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89				87	
2	102	95	89	84	99	93	87	83	89	85	81	86	83	79	83	80	77				75	
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68				66	
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60				58	
5	80	69	61	55	79	68	60	54	66	59	54	64	58	53	62	57	53				51	
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47				45	
7	70	57	49	44	68	56	49	43	55	48	43	54	47	43	52	47	43				41	
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	39				37	
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35				33	
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32				31	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	38068	38068	38068
5°	38338	38214	38836
10°	38278	38152	38152
15°	38013	38013	38769
20°	37491	37491	37359
25°	36151	36029	36151
30°	35287	35144	34571
35°	32933	32781	32630
40°	31673	30396	29910
45°	29091	27707	15685
50°	26450	24714	11489
55°	24045	22123	7519
60°	21934	19454	496
65°	18941	17213	0
70°	16919	14784	0
75°	14746	12829	0
80°	12774	9918	0
85°	9959	7114	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.2	4.5
10°-20°	74.8	12.9
20°-30°	109.6	18.9
30°-40°	121.6	21.0
40°-50°	105.2	18.2
50°-60°	72.8	12.6
60°-70°	42.5	7.3
70°-80°	20.8	3.6
80°-90°	5.0	0.9
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°	210.6	36.4
0°-40°	332.2	57.4
0°-60°	510.2	88.2
0°-90°	578.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	276	276	276	276	276	
5°	277	274	276	274	281	26
15°	266	264	266	266	272	75
25°	238	240	237	236	238	110
35°	196	197	195	196	194	123
45°	149	143	142	141	80	115
55°	100	96	92	72	31	90
65°	58	56	53	33	0	59
75°	28	26	24	13	0	30
85°	6	6	4	3	0	8
90°	0	0	0	0	0	



TEST NUMBER: P394930

CATALOG NUMBER: 303-A1-LEDB1-2700-UNV-T5X-DIM10

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3
2.5°	277.2	271.8	271.8	275.4	279.0	275.4	279.9	275.4	277.2	274.5	277.2
5°	277.2	273.6	272.7	270.9	275.4	274.5	280.8	275.4	275.4	276.3	276.3
7.5°	276.3	272.7	271.8	270.9	270.0	271.8	282.6	277.2	274.5	275.4	275.4
10°	273.6	270.0	269.1	262.0	271.8	272.7	273.6	270.9	271.8	270.0	272.7
12.5°	270.0	267.4	263.8	268.2	266.5	267.4	269.1	279.0	269.1	267.4	267.4
15°	266.5	260.2	261.1	264.7	262.9	263.8	264.7	264.7	265.6	265.6	266.5
17.5°	262.0	258.4	256.6	256.6	260.2	261.1	260.2	266.5	260.2	261.1	259.3
20°	255.7	248.6	251.3	253.0	257.5	253.0	256.6	253.9	254.8	249.5	255.7
22.5°	247.7	239.6	240.5	241.4	245.0	245.9	249.5	245.9	247.7	242.3	245.9
25°	237.8	236.1	236.1	237.8	241.4	240.5	243.2	241.4	238.7	237.0	237.0
27.5°	230.7	227.1	227.1	222.6	229.8	230.7	231.6	231.6	225.3	228.0	228.0
30°	221.8	214.6	216.4	219.1	219.1	220.9	219.1	220.9	219.1	219.1	220.9
32.5°	207.4	203.9	203.9	205.7	207.4	209.2	211.0	208.3	207.4	208.3	209.2
35°	195.8	194.9	194.0	195.8	199.4	196.7	194.9	201.2	190.5	194.0	194.9
37.5°	184.2	183.3	182.4	180.6	182.4	180.6	182.4	181.5	179.7	182.4	182.4
40°	176.1	170.8	168.1	168.1	169.9	169.9	168.1	169.0	165.4	167.2	169.0
42.5°	160.9	161.8	159.2	158.3	156.5	156.5	155.6	155.6	155.6	152.9	155.6
45°	149.3	146.6	146.6	145.7	144.0	143.1	142.2	139.5	142.2	141.3	142.2
47.5°	136.8	135.9	133.2	132.3	132.3	129.7	127.9	127.9	127.0	127.0	128.8
50°	123.4	122.5	121.6	120.7	120.7	118.0	115.3	114.5	112.7	114.5	115.3
52.5°	111.8	110.9	108.2	109.1	109.1	107.3	102.8	101.9	103.7	102.8	102.8
55°	100.1	101.0	98.4	97.5	96.6	95.7	93.0	91.2	91.2	91.2	92.1
57.5°	89.4	89.4	87.6	86.7	84.9	84.1	83.2	80.5	80.5	79.6	80.5
60°	79.6	78.7	76.9	76.9	76.0	73.3	72.4	70.6	70.6	69.7	70.6
62.5°	68.0	66.2	68.0	66.2	66.2	65.3	63.5	61.7	59.9	59.9	61.7
65°	58.1	59.0	58.1	57.2	57.2	56.3	54.5	52.8	51.0	51.9	52.8
67.5°	50.1	50.1	49.2	48.3	49.2	47.4	45.6	44.7	43.8	43.8	43.8
70°	42.0	42.0	42.0	41.1	40.2	40.2	38.4	37.6	36.7	36.7	36.7
72.5°	36.7	34.9	34.0	33.1	33.1	32.2	31.3	30.4	29.5	30.4	30.4
75°	27.7	27.7	27.7	26.8	26.8	25.9	25.0	24.1	24.1	23.2	24.1
77.5°	21.5	21.5	21.5	20.6	20.6	19.7	18.8	18.8	17.9	17.9	17.9
80°	16.1	16.1	16.1	15.2	15.2	14.3	13.4	12.5	13.4	13.4	12.5
82.5°	10.7	10.7	10.7	9.8	9.8	9.8	8.9	8.9	8.0	8.0	8.0
85°	6.3	6.3	6.3	6.3	6.3	6.3	5.4	4.5	4.5	4.5	4.5
87.5°	3.6	3.6	3.6	3.6	3.6	2.7	2.7	1.8	1.8	1.8	1.8
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°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3
2.5°	275.4	275.4	275.4	277.2	277.2	269.1	278.1	278.1	274.5	280.8
5°	277.2	274.5	277.2	273.6	274.5	272.7	275.4	275.4	272.7	280.8
7.5°	275.4	276.3	273.6	276.3	273.6	272.7	280.8	275.4	275.4	279.9
10°	273.6	273.6	271.8	270.9	271.8	273.6	278.1	273.6	270.9	272.7
12.5°	270.0	270.9	272.7	269.1	266.5	270.9	272.7	270.9	265.6	275.4
15°	270.0	267.4	267.4	264.7	265.6	267.4	269.1	267.4	265.6	271.8
17.5°	262.0	261.1	261.1	259.3	257.5	262.9	267.4	262.0	262.0	262.0
20°	255.7	256.6	257.5	253.9	254.8	253.0	256.6	255.7	256.6	254.8
22.5°	250.4	248.6	248.6	248.6	249.5	249.5	249.5	248.6	239.6	247.7
25°	238.7	240.5	241.4	237.8	236.1	240.5	241.4	236.1	239.6	237.8
27.5°	228.9	228.9	231.6	228.9	227.1	225.3	234.3	230.7	225.3	228.0
30°	218.2	219.1	221.8	218.2	219.1	220.9	221.8	219.1	220.0	217.3
32.5°	209.2	206.6	211.0	207.4	208.3	208.3	209.2	206.6	203.9	206.6
35°	194.0	196.7	196.7	193.1	195.8	194.0	195.8	194.0	194.9	194.0
37.5°	183.3	179.7	184.2	181.5	179.7	180.6	183.3	178.8	181.5	179.7
40°	167.2	168.1	170.8	167.2	166.3	164.5	168.1	168.1	163.6	166.3
42.5°	158.3	153.8	157.4	154.7	152.0	155.6	154.7	148.4	135.9	140.4
45°	142.2	140.4	143.1	137.7	141.3	138.6	133.2	98.4	83.2	80.5
47.5°	127.0	125.2	129.7	126.1	127.0	123.4	90.3	66.2	63.5	63.5
50°	117.1	114.5	117.1	112.7	113.6	86.7	70.6	55.4	53.6	53.6
52.5°	103.7	103.7	105.5	101.0	97.5	64.4	59.9	47.4	46.5	44.7
55°	92.1	92.1	93.0	91.2	72.4	55.4	51.0	37.6	32.2	31.3
57.5°	79.6	80.5	81.4	78.7	59.0	47.4	39.3	10.7	5.4	4.5
60°	69.7	69.7	70.6	63.5	51.0	38.4	19.7	3.6	1.8	1.8
62.5°	61.7	60.8	61.7	51.9	42.9	22.4	15.2	1.8	0.0	0.0
65°	51.9	51.9	52.8	42.9	33.1	17.0	11.6	0.9	0.0	0.0
67.5°	43.8	43.8	44.7	36.7	25.9	14.3	9.8	0.9	0.0	0.0
70°	36.7	36.7	36.7	30.4	21.5	11.6	8.0	0.9	0.0	0.0
72.5°	29.5	29.5	29.5	25.0	17.9	9.8	6.3	0.0	0.0	0.0
75°	24.1	24.1	23.2	19.7	13.4	8.0	5.4	0.0	0.0	0.0
77.5°	17.9	17.9	18.8	15.2	10.7	5.4	3.6	0.0	0.0	0.0
80°	12.5	12.5	12.5	10.7	8.0	4.5	2.7	0.0	0.0	0.0
82.5°	8.0	8.0	8.9	7.2	5.4	2.7	1.8	0.0	0.0	0.0
85°	4.5	4.5	4.5	3.6	2.7	1.8	0.9	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.0	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)