

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: P394931

Luminaire Tested: **303-A1-LEDB2-2700-UNV-T5X-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394931  
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-LEDB2-2700-UNV-T5X-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 5  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

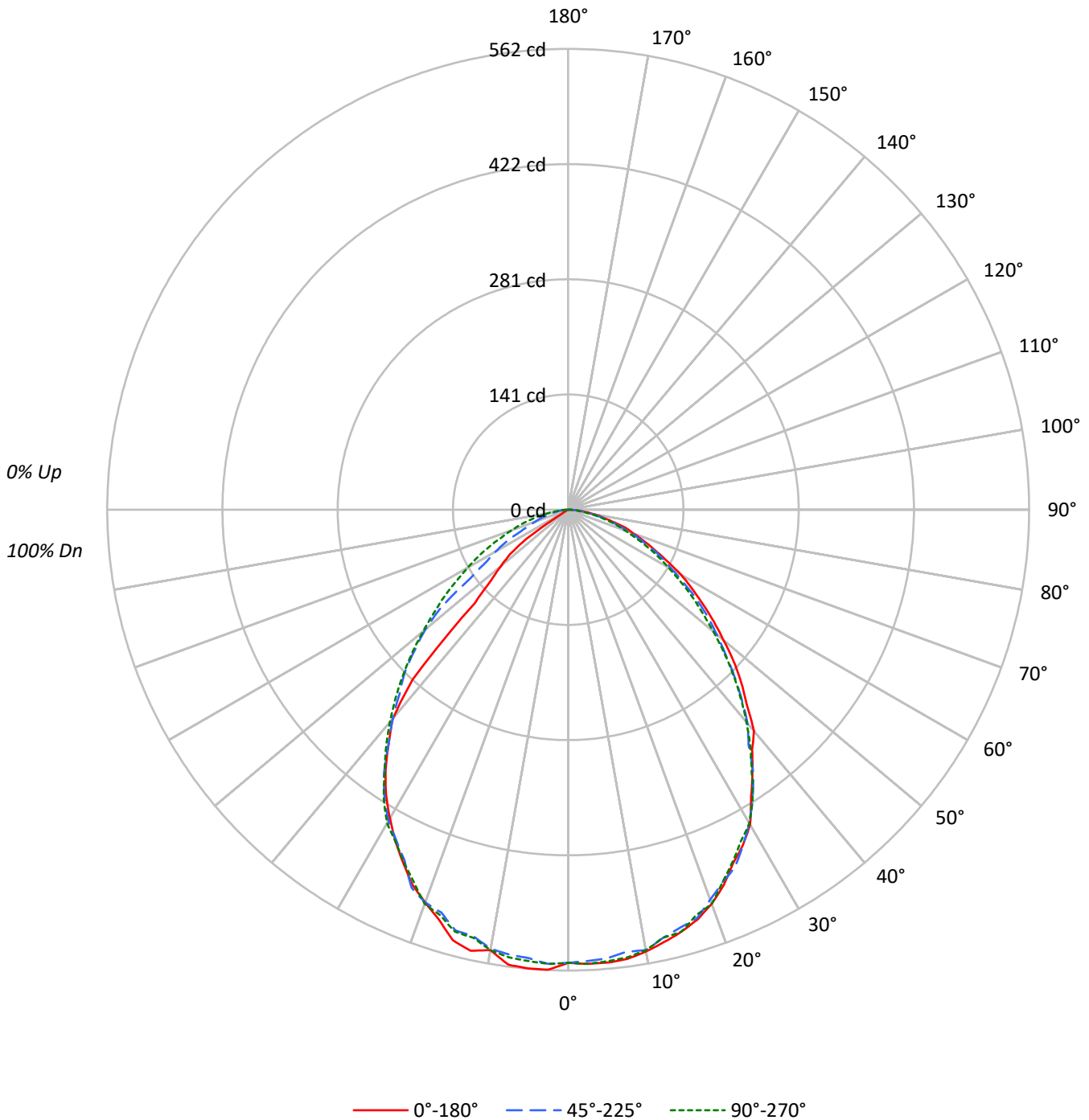
Lumens per Lamp: N/A  
Luminaire Lumens: 1156.8 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24  
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')  
CIE Type: Direct

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	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	81	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°	38069	38069	38069
5°	38339	38214	38830
10°	38278	38152	38152
15°	38007	38007	38770
20°	37499	37499	37367
25°	36159	36022	36159
30°	35279	35136	34571
35°	32933	32790	32639
40°	31682	30396	29911
45°	29091	27698	15676
50°	26451	24725	11500
55°	24057	22124	7519
60°	21935	19468	496
65°	18942	17197	0
70°	16940	14764	0
75°	14746	12856	0
80°	12774	9918	0
85°	9880	7035	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.4	4.5
10°-20°	149.6	12.9
20°-30°	219.2	18.9
30°-40°	243.2	21.0
40°-50°	210.5	18.2
50°-60°	145.6	12.6
60°-70°	84.9	7.3
70°-80°	41.5	3.6
80°-90°	10.0	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°	421.2	36.4
0°-40°	664.3	57.4
0°-60°	1020.4	88.2
0°-90°	1156.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	553	553	553	553	553	
5°	554	549	553	549	562	53
15°	533	528	533	531	544	150
25°	476	481	474	472	476	220
35°	392	393	390	392	388	246
45°	299	286	284	283	161	230
55°	200	191	184	145	63	180
65°	116	113	106	66	0	117
75°	55	52	48	27	0	61
85°	12	12	9	5	0	16
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°	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6
2.5°	554.4	543.6	543.6	550.8	558.0	550.8	559.7	550.8	554.4	549.0	554.4
5°	554.4	547.2	545.4	541.9	550.8	549.0	561.5	550.8	550.8	552.6	552.6
7.5°	552.6	545.4	543.6	541.9	540.1	543.6	565.1	554.4	549.0	550.8	550.8
10°	547.2	540.1	538.3	524.0	543.6	545.4	547.2	541.9	543.6	540.1	545.4
12.5°	540.1	534.7	527.6	536.5	532.9	534.7	538.3	558.0	538.3	534.7	534.7
15°	532.9	520.4	522.2	529.3	525.8	527.6	529.3	529.3	531.1	531.1	532.9
17.5°	524.0	516.8	513.2	513.2	520.4	522.2	520.4	532.9	520.4	522.2	518.6
20°	511.5	497.2	502.5	506.1	515.0	506.1	513.2	507.9	509.7	498.9	511.5
22.5°	495.4	479.3	481.1	482.8	490.0	491.8	498.9	491.8	495.4	484.6	491.8
25°	475.7	472.1	472.1	475.7	482.8	481.1	486.4	482.8	477.5	473.9	473.9
27.5°	461.4	454.2	454.2	445.3	459.6	461.4	463.2	463.2	450.7	456.0	456.0
30°	443.5	429.2	432.8	438.1	438.1	441.7	438.1	441.7	438.1	438.1	441.7
32.5°	414.9	407.7	407.7	411.3	414.9	418.5	422.0	416.7	414.9	416.7	418.5
35°	391.6	389.9	388.1	391.6	398.8	393.4	389.9	402.4	380.9	388.1	389.9
37.5°	368.4	366.6	364.8	361.2	364.8	361.2	364.8	363.0	359.5	364.8	364.8
40°	352.3	341.6	336.2	336.2	339.8	339.8	336.2	338.0	330.8	334.4	338.0
42.5°	321.9	323.7	318.3	316.5	313.0	313.0	311.2	311.2	311.2	305.8	311.2
45°	298.6	293.3	293.3	291.5	287.9	286.1	284.3	279.0	284.3	282.6	284.3
47.5°	273.6	271.8	266.5	264.7	264.7	259.3	255.7	255.7	253.9	253.9	257.5
50°	246.8	245.0	243.2	241.4	241.4	236.1	230.7	228.9	225.3	228.9	230.7
52.5°	223.5	221.8	216.4	218.2	218.2	214.6	205.7	203.9	207.4	205.7	205.7
55°	200.3	202.1	196.7	194.9	193.1	191.4	186.0	182.4	182.4	182.4	184.2
57.5°	178.8	178.8	175.3	173.5	169.9	168.1	166.3	160.9	160.9	159.2	160.9
60°	159.2	157.4	153.8	153.8	152.0	146.6	144.9	141.3	141.3	139.5	141.3
62.5°	135.9	132.3	135.9	132.3	132.3	130.5	127.0	123.4	119.8	119.8	123.4
65°	116.2	118.0	116.2	114.5	114.5	112.7	109.1	105.5	101.9	103.7	105.5
67.5°	100.1	100.1	98.4	96.6	98.4	94.8	91.2	89.4	87.6	87.6	87.6
70°	84.1	84.1	84.1	82.3	80.5	80.5	76.9	75.1	73.3	73.3	73.3
72.5°	73.3	69.7	68.0	66.2	66.2	64.4	62.6	60.8	59.0	60.8	60.8
75°	55.4	55.4	55.4	53.6	53.6	51.9	50.1	48.3	48.3	46.5	48.3
77.5°	42.9	42.9	42.9	41.1	41.1	39.3	37.6	37.6	35.8	35.8	35.8
80°	32.2	32.2	32.2	30.4	30.4	28.6	26.8	25.0	26.8	26.8	25.0
82.5°	21.5	21.5	21.5	19.7	19.7	19.7	17.9	17.9	16.1	16.1	16.1
85°	12.5	12.5	12.5	12.5	12.5	12.5	10.7	8.9	8.9	8.9	8.9
87.5°	7.2	7.2	7.2	7.2	7.2	5.4	5.4	3.6	3.6	3.6	3.6
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°	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6
2.5°	550.8	550.8	550.8	554.4	554.4	538.3	556.2	556.2	549.0	561.5
5°	554.4	549.0	554.4	547.2	549.0	545.4	550.8	550.8	545.4	561.5
7.5°	550.8	552.6	547.2	552.6	547.2	545.4	561.5	550.8	550.8	559.7
10°	547.2	547.2	543.6	541.9	543.6	547.2	556.2	547.2	541.9	545.4
12.5°	540.1	541.9	545.4	538.3	532.9	541.9	545.4	541.9	531.1	550.8
15°	540.1	534.7	534.7	529.3	531.1	534.7	538.3	534.7	531.1	543.6
17.5°	524.0	522.2	522.2	518.6	515.0	525.8	534.7	524.0	524.0	524.0
20°	511.5	513.2	515.0	507.9	509.7	506.1	513.2	511.5	513.2	509.7
22.5°	500.7	497.2	497.2	497.2	498.9	498.9	498.9	497.2	479.3	495.4
25°	477.5	481.1	482.8	475.7	472.1	481.1	482.8	472.1	479.3	475.7
27.5°	457.8	457.8	463.2	457.8	454.2	450.7	468.5	461.4	450.7	456.0
30°	436.4	438.1	443.5	436.4	438.1	441.7	443.5	438.1	439.9	434.6
32.5°	418.5	413.1	422.0	414.9	416.7	416.7	418.5	413.1	407.7	413.1
35°	388.1	393.4	393.4	386.3	391.6	388.1	391.6	388.1	389.9	388.1
37.5°	366.6	359.5	368.4	363.0	359.5	361.2	366.6	357.7	363.0	359.5
40°	334.4	336.2	341.6	334.4	332.6	329.1	336.2	336.2	327.3	332.6
42.5°	316.5	307.6	314.7	309.4	304.0	311.2	309.4	296.9	271.8	280.8
45°	284.3	280.8	286.1	275.4	282.6	277.2	266.5	196.7	166.3	160.9
47.5°	253.9	250.4	259.3	252.2	253.9	246.8	180.6	132.3	127.0	127.0
50°	234.3	228.9	234.3	225.3	227.1	173.5	141.3	110.9	107.3	107.3
52.5°	207.4	207.4	211.0	202.1	194.9	128.8	119.8	94.8	93.0	89.4
55°	184.2	184.2	186.0	182.4	144.9	110.9	101.9	75.1	64.4	62.6
57.5°	159.2	160.9	162.7	157.4	118.0	94.8	78.7	21.5	10.7	8.9
60°	139.5	139.5	141.3	127.0	101.9	76.9	39.3	7.2	3.6	3.6
62.5°	123.4	121.6	123.4	103.7	85.8	44.7	30.4	3.6	0.0	0.0
65°	103.7	103.7	105.5	85.8	66.2	34.0	23.2	1.8	0.0	0.0
67.5°	87.6	87.6	89.4	73.3	51.9	28.6	19.7	1.8	0.0	0.0
70°	73.3	73.3	73.3	60.8	42.9	23.2	16.1	1.8	0.0	0.0
72.5°	59.0	59.0	59.0	50.1	35.8	19.7	12.5	0.0	0.0	0.0
75°	48.3	48.3	46.5	39.3	26.8	16.1	10.7	0.0	0.0	0.0
77.5°	35.8	35.8	37.6	30.4	21.5	10.7	7.2	0.0	0.0	0.0
80°	25.0	25.0	25.0	21.5	16.1	8.9	5.4	0.0	0.0	0.0
82.5°	16.1	16.1	17.9	14.3	10.7	5.4	3.6	0.0	0.0	0.0
85°	8.9	8.9	8.9	7.2	5.4	3.6	1.8	0.0	0.0	0.0
87.5°	3.6	3.6	3.6	3.6	1.8	1.8	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)