

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: P394879

Luminaire Tested: **303-A1-LEDB2-3000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394879
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-A1-LEDB2-3000-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 4
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

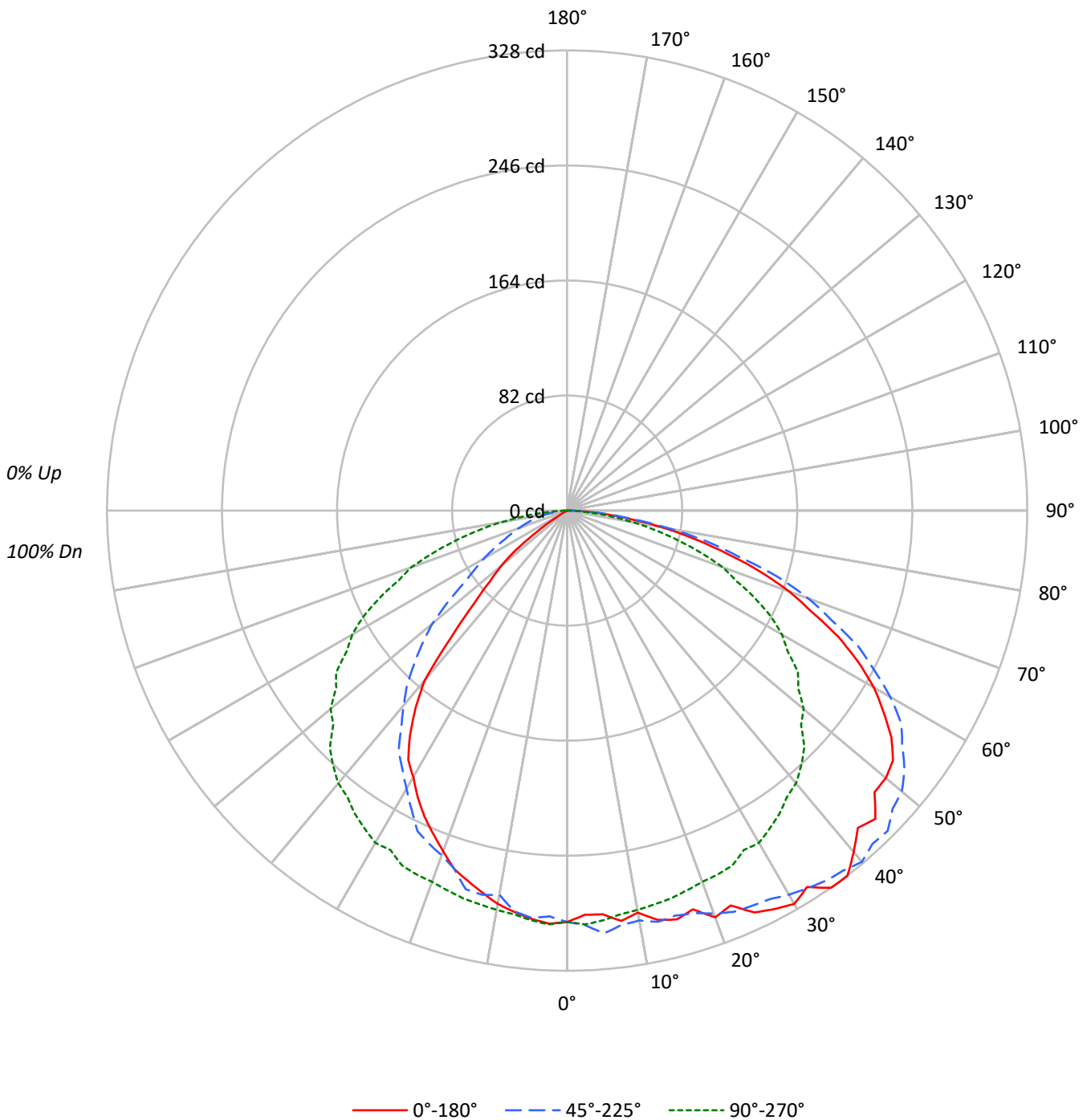
Lumens per Lamp: N/A
Luminaire Lumens: 973.2 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68					68			
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57					57			
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36					36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25					25			
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20199	20199	20199
5°	19971	20276	20200
10°	20356	20216	19916
15°	21517	20412	19492
20°	22617	20644	18944
25°	24020	21200	18288
30°	25750	21756	17445
35°	27601	22185	16416
40°	28571	22824	14209
45°	30270	23294	9139
50°	31777	23578	6570
55°	33894	24129	3135
60°	34803	24360	83
65°	34786	24076	0
70°	33899	23828	0
75°	31195	21799	0
80°	27295	18765	0
85°	19603	12647	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	2.9
10°-20°	81.5	8.4
20°-30°	129.0	13.3
30°-40°	165.5	17.0
40°-50°	177.5	18.2
50°-60°	164.5	16.9
60°-70°	130.9	13.4
70°-80°	77.4	8.0
80°-90°	19.1	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°	238.4	24.5
0°-40°	403.8	41.5
0°-60°	745.9	76.6
0°-90°	973.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	293	293	293	293	293	
5°	289	303	293	291	292	28
15°	302	299	286	279	273	85
25°	316	311	279	252	241	146
35°	328	322	264	209	195	203
45°	311	323	239	154	94	236
55°	282	292	201	89	26	250
65°	213	229	148	50	0	210
75°	117	126	82	25	0	124
85°	25	28	16	6	0	31
90°	0	0	0	0	0	



TEST NUMBER: P394879

CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T4-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2
2.5°	288.4	294.1	293.9	291.5	289.7	295.8	289.3	295.4	293.8	293.4	295.2
5°	288.8	298.9	295.4	297.6	293.2	302.6	293.8	296.7	287.1	295.2	293.2
7.5°	295.0	299.5	296.5	299.5	291.0	297.8	294.3	296.9	297.6	293.0	290.3
10°	291.0	301.1	298.2	296.5	295.6	296.7	291.7	296.1	297.2	292.3	289.0
12.5°	298.9	303.5	299.6	302.0	293.0	300.2	296.1	296.5	293.4	291.2	287.5
15°	301.7	302.8	303.1	305.3	298.0	298.9	297.2	296.7	293.6	289.7	286.2
17.5°	298.0	308.8	305.0	304.4	302.0	300.7	298.9	297.2	296.5	290.1	283.8
20°	308.5	312.0	309.2	307.6	303.3	305.7	300.7	299.1	290.3	286.8	281.6
22.5°	304.6	312.1	312.0	313.1	308.8	309.6	300.7	300.4	292.1	284.7	280.7
25°	316.0	319.5	315.5	314.7	308.8	311.0	301.7	300.0	290.6	282.5	278.9
27.5°	320.2	323.4	321.5	322.6	317.1	312.3	307.9	305.3	291.2	281.2	272.8
30°	323.7	329.4	328.0	325.4	318.8	316.2	311.0	306.3	296.7	279.4	273.5
32.5°	318.2	329.1	323.7	325.8	325.0	319.1	311.8	305.3	296.9	281.1	268.7
35°	328.2	326.3	327.0	330.5	325.2	321.9	317.3	309.0	296.7	278.3	263.8
37.5°	328.2	330.2	325.6	331.3	326.1	323.4	314.7	305.5	294.9	270.2	257.3
40°	317.7	323.6	325.0	330.2	328.7	326.9	318.4	306.8	291.5	265.8	253.8
42.5°	306.8	320.4	316.7	325.6	328.0	322.1	317.1	300.2	286.8	259.7	246.8
45°	310.7	319.3	318.6	324.5	321.5	323.0	313.8	299.1	277.0	255.5	239.1
47.5°	297.1	312.9	309.0	319.0	317.9	314.7	309.0	292.1	272.2	243.2	226.2
50°	296.5	301.8	303.9	309.0	313.6	311.4	298.5	291.2	262.9	231.8	220.0
52.5°	292.7	289.9	293.9	299.3	302.8	303.1	289.5	272.0	253.5	226.6	207.5
55°	282.2	279.6	283.3	288.2	296.9	291.5	285.1	263.8	240.4	211.9	200.9
57.5°	267.5	264.1	266.3	275.7	284.0	282.4	273.2	252.7	236.4	204.0	186.1
60°	252.6	250.0	248.5	259.4	264.0	266.2	256.8	235.8	216.7	189.1	176.8
62.5°	234.0	236.7	238.0	242.8	247.0	247.0	242.1	219.8	199.9	175.1	163.9
65°	213.4	210.8	213.0	224.8	230.5	228.8	225.7	202.3	183.2	160.0	147.7
67.5°	188.7	188.9	195.5	199.6	209.1	203.8	200.7	183.9	162.2	143.5	130.0
70°	168.3	167.2	168.1	175.8	180.1	183.0	177.1	158.9	143.3	126.2	118.3
72.5°	143.8	142.2	143.3	151.2	154.3	157.8	149.9	135.7	124.2	108.0	99.5
75°	117.2	117.4	119.6	122.1	129.1	126.4	124.2	112.4	99.9	87.4	81.9
77.5°	92.2	92.5	94.4	98.2	101.5	101.9	99.5	88.3	77.4	68.4	64.2
80°	68.8	67.9	68.4	71.4	75.2	74.9	72.1	64.9	57.9	49.5	47.3
82.5°	44.7	45.1	45.4	48.0	48.0	47.8	47.5	43.2	38.8	32.4	30.7
85°	24.8	25.4	26.3	26.1	27.0	27.8	25.6	23.2	19.7	18.0	16.0
87.5°	11.4	10.9	11.0	10.3	10.5	10.1	9.0	7.9	7.0	5.7	5.2
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°	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2
2.5°	293.6	297.1	294.9	292.1	289.5	292.3	292.7	289.9	290.8	294.7
5°	295.4	290.4	293.6	293.8	291.4	292.8	283.8	290.1	288.4	292.1
7.5°	291.7	294.3	291.0	291.0	288.1	289.7	287.9	286.2	290.3	288.6
10°	290.8	288.8	291.0	288.1	278.1	282.9	280.5	282.2	280.7	284.7
12.5°	288.1	284.7	285.5	284.2	280.5	278.5	279.8	280.7	282.9	278.9
15°	286.2	283.8	281.6	282.0	279.4	274.3	268.0	271.3	269.7	273.3
17.5°	283.6	279.6	278.9	272.8	267.6	270.9	268.4	265.4	263.2	267.8
20°	282.2	278.7	274.1	265.8	261.4	260.6	261.2	260.6	258.8	258.4
22.5°	277.6	271.1	267.6	259.4	257.2	252.9	247.0	251.6	246.8	249.4
25°	274.3	266.5	262.3	254.9	252.2	244.3	243.0	236.9	238.9	240.6
27.5°	272.6	264.1	253.7	243.9	240.2	234.5	234.5	228.6	229.7	230.5
30°	267.5	255.5	249.6	238.2	229.0	224.4	221.1	218.7	219.6	219.3
32.5°	262.9	248.5	237.3	223.7	218.5	213.2	212.3	204.5	210.1	210.8
35°	257.5	241.1	227.9	212.8	209.3	201.2	199.6	194.8	193.9	195.2
37.5°	253.5	232.5	218.7	202.2	194.1	190.0	186.3	178.4	176.0	177.5
40°	243.5	222.9	207.1	192.4	181.2	170.9	171.2	162.2	158.7	158.0
42.5°	240.6	213.2	195.7	179.2	168.9	159.3	151.4	141.5	126.7	122.1
45°	226.6	204.0	181.2	164.4	154.0	142.4	125.8	97.9	94.0	93.8
47.5°	217.1	193.0	169.0	153.2	139.6	124.0	98.4	80.9	75.8	74.7
50°	208.2	179.9	157.5	140.0	125.3	94.9	81.1	64.6	57.9	61.3
52.5°	196.8	169.8	146.8	126.9	107.1	80.2	68.1	52.4	46.0	46.2
55°	186.9	160.6	138.1	115.5	89.2	69.0	55.2	37.9	27.6	26.1
57.5°	176.0	149.7	128.8	103.7	78.0	57.9	40.3	18.0	10.7	10.9
60°	163.2	139.2	116.4	88.1	68.6	46.7	26.1	7.9	0.6	0.6
62.5°	152.3	127.7	105.8	78.9	59.2	32.9	17.3	0.6	0.0	0.0
65°	139.4	115.9	95.5	70.4	49.8	27.8	13.4	1.3	0.0	0.0
67.5°	123.6	103.7	84.8	62.2	42.9	23.5	12.7	2.0	0.0	0.0
70°	107.8	91.1	74.3	54.1	36.6	21.0	11.2	2.2	0.0	0.0
72.5°	92.5	77.1	62.4	45.8	30.7	17.8	9.7	2.0	0.0	0.0
75°	75.0	63.5	51.5	37.9	25.4	14.7	7.9	1.7	0.0	0.0
77.5°	58.1	49.3	41.9	29.8	20.2	11.6	6.3	1.3	0.0	0.0
80°	44.3	36.4	29.8	21.7	14.9	8.3	4.6	0.9	0.0	0.0
82.5°	27.8	24.1	19.9	14.3	9.6	5.5	2.9	0.6	0.0	0.0
85°	15.5	13.1	11.2	8.1	5.7	3.1	1.7	0.4	0.0	0.0
87.5°	5.3	4.6	3.9	2.9	2.0	1.1	0.6	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)