

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: P394884

Luminaire Tested: **303-A1-LEDB2-3500-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394884
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-LEDB2-3500-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 4
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

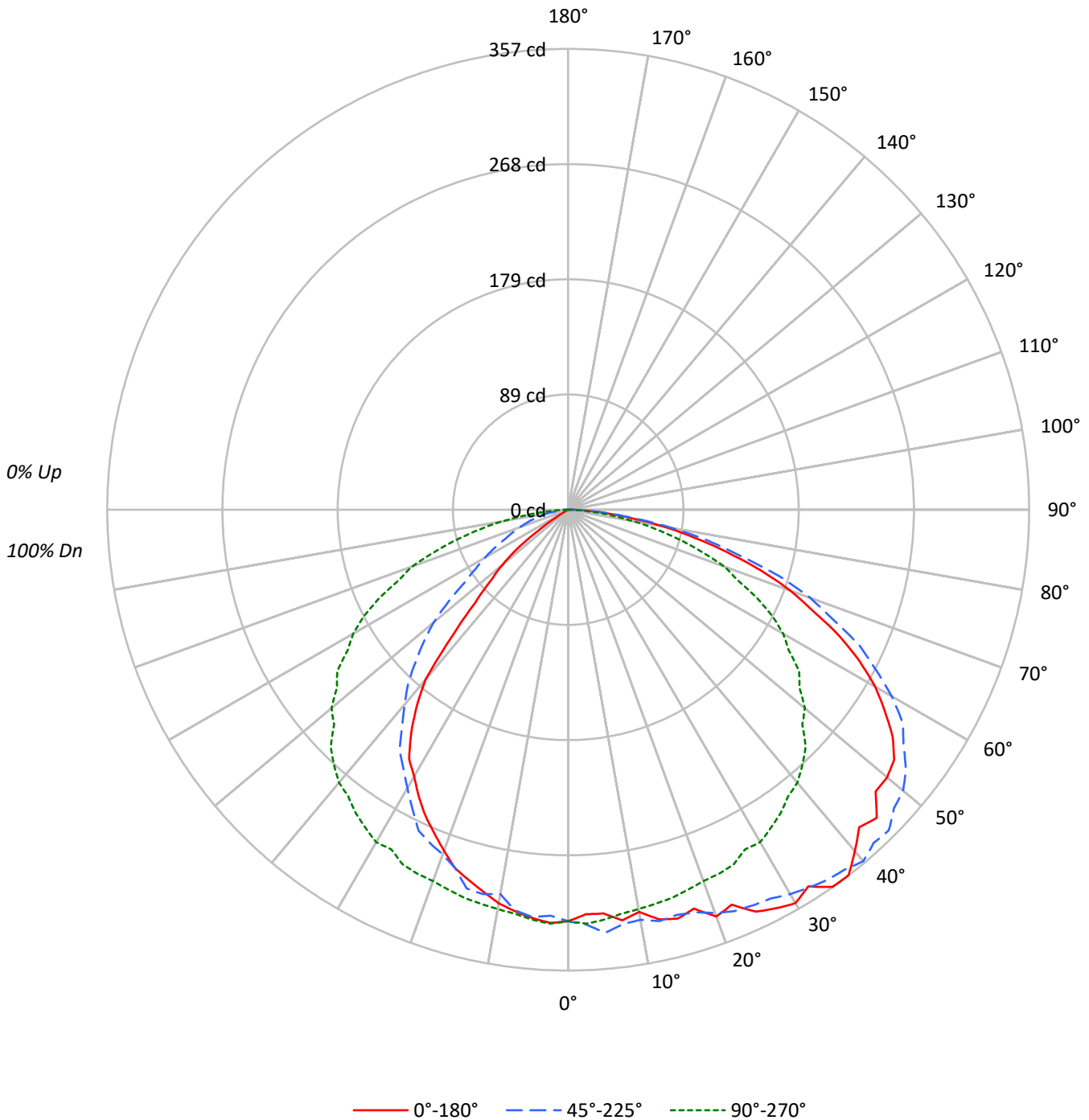
Lumens per Lamp: N/A
Luminaire Lumens: 1058.2 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

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	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°	21962	21962	21962
5°	21714	22046	21963
10°	22133	21979	21657
15°	23393	22195	21196
20°	24589	22448	20600
25°	26118	23047	19885
30°	28001	23657	18964
35°	30007	24120	17846
40°	31062	24821	15450
45°	32910	25331	9937
50°	34553	25636	7138
55°	36849	26231	3411
60°	37834	26481	83
65°	37818	26179	0
70°	36860	25903	0
75°	33910	23689	0
80°	29675	20392	0
85°	21341	13753	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	2.9
10°-20°	88.6	8.4
20°-30°	140.3	13.3
30°-40°	179.9	17.0
40°-50°	193.0	18.2
50°-60°	178.9	16.9
60°-70°	142.3	13.4
70°-80°	84.1	8.0
80°-90°	20.7	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°	259.2	24.5
0°-40°	439.1	41.5
0°-60°	811.0	76.6
0°-90°	1058.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1058.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	319	319	319	319	319	
5°	314	329	319	317	318	30
15°	328	325	311	304	297	92
25°	344	338	303	274	262	158
35°	357	350	287	228	212	221
45°	338	351	260	167	102	257
55°	307	317	218	97	28	272
65°	232	249	161	54	0	228
75°	127	137	89	28	0	135
85°	27	30	17	6	0	34
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°	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8
2.5°	313.6	319.8	319.6	317.0	315.0	321.6	314.6	321.2	319.4	319.0	321.0
5°	314.0	325.0	321.2	323.6	318.8	329.0	319.4	322.6	312.2	321.0	318.8
7.5°	320.8	325.6	322.4	325.6	316.4	323.8	320.0	322.8	323.6	318.6	315.6
10°	316.4	327.4	324.2	322.4	321.4	322.6	317.2	322.0	323.2	317.8	314.2
12.5°	325.0	330.0	325.8	328.4	318.6	326.4	322.0	322.4	319.0	316.6	312.6
15°	328.0	329.2	329.6	332.0	324.0	325.0	323.2	322.6	319.2	315.0	311.2
17.5°	324.0	335.8	331.6	331.0	328.4	327.0	325.0	323.2	322.4	315.4	308.6
20°	335.4	339.2	336.2	334.4	329.8	332.4	327.0	325.2	315.6	311.8	306.2
22.5°	331.2	339.4	339.2	340.4	335.8	336.6	327.0	326.6	317.6	309.6	305.2
25°	343.6	347.4	343.0	342.2	335.8	338.2	328.0	326.2	316.0	307.2	303.2
27.5°	348.2	351.6	349.6	350.8	344.8	339.6	334.8	332.0	316.6	305.8	296.6
30°	352.0	358.2	356.6	353.8	346.6	343.8	338.2	333.0	322.6	303.8	297.4
32.5°	346.0	357.8	352.0	354.2	353.4	347.0	339.0	332.0	322.8	305.6	292.2
35°	356.8	354.8	355.6	359.4	353.6	350.0	345.0	336.0	322.6	302.6	286.8
37.5°	356.8	359.0	354.0	360.2	354.6	351.6	342.2	332.2	320.6	293.8	279.8
40°	345.4	351.8	353.4	359.0	357.4	355.4	346.2	333.6	317.0	289.0	276.0
42.5°	333.6	348.4	344.4	354.0	356.6	350.2	344.8	326.4	311.8	282.4	268.4
45°	337.8	347.2	346.4	352.8	349.6	351.2	341.2	325.2	301.2	277.8	260.0
47.5°	323.0	340.2	336.0	346.8	345.6	342.2	336.0	317.6	296.0	264.4	246.0
50°	322.4	328.2	330.4	336.0	341.0	338.6	324.6	316.6	285.8	252.0	239.2
52.5°	318.2	315.2	319.6	325.4	329.2	329.6	314.8	295.8	275.6	246.4	225.6
55°	306.8	304.0	308.0	313.4	322.8	317.0	310.0	286.8	261.4	230.4	218.4
57.5°	290.8	287.2	289.6	299.8	308.8	307.0	297.0	274.8	257.0	221.8	202.4
60°	274.6	271.8	270.2	282.0	287.0	289.4	279.2	256.4	235.6	205.6	192.2
62.5°	254.4	257.4	258.8	264.0	268.6	268.6	263.2	239.0	217.4	190.4	178.2
65°	232.0	229.2	231.6	244.4	250.6	248.8	245.4	220.0	199.2	174.0	160.6
67.5°	205.2	205.4	212.6	217.0	227.4	221.6	218.2	200.0	176.4	156.0	141.4
70°	183.0	181.8	182.8	191.2	195.8	199.0	192.6	172.8	155.8	137.2	128.6
72.5°	156.4	154.6	155.8	164.4	167.8	171.6	163.0	147.6	135.0	117.4	108.2
75°	127.4	127.6	130.0	132.8	140.4	137.4	135.0	122.2	108.6	95.0	89.0
77.5°	100.2	100.6	102.6	106.8	110.4	110.8	108.2	96.0	84.2	74.4	69.8
80°	74.8	73.8	74.4	77.6	81.8	81.4	78.4	70.6	63.0	53.8	51.4
82.5°	48.6	49.0	49.4	52.2	52.2	52.0	51.6	47.0	42.2	35.2	33.4
85°	27.0	27.6	28.6	28.4	29.4	30.2	27.8	25.2	21.4	19.6	17.4
87.5°	12.4	11.8	12.0	11.2	11.4	11.0	9.8	8.6	7.6	6.2	5.6
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°	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8
2.5°	319.2	323.0	320.6	317.6	314.8	317.8	318.2	315.2	316.2	320.4
5°	321.2	315.8	319.2	319.4	316.8	318.4	308.6	315.4	313.6	317.6
7.5°	317.2	320.0	316.4	316.4	313.2	315.0	313.0	311.2	315.6	313.8
10°	316.2	314.0	316.4	313.2	302.4	307.6	305.0	306.8	305.2	309.6
12.5°	313.2	309.6	310.4	309.0	305.0	302.8	304.2	305.2	307.6	303.2
15°	311.2	308.6	306.2	306.6	303.8	298.2	291.4	295.0	293.2	297.2
17.5°	308.4	304.0	303.2	296.6	291.0	294.6	291.8	288.6	286.2	291.2
20°	306.8	303.0	298.0	289.0	284.2	283.4	284.0	283.4	281.4	281.0
22.5°	301.8	294.8	291.0	282.0	279.6	275.0	268.6	273.6	268.4	271.2
25°	298.2	289.8	285.2	277.2	274.2	265.6	264.2	257.6	259.8	261.6
27.5°	296.4	287.2	275.8	265.2	261.2	255.0	255.0	248.6	249.8	250.6
30°	290.8	277.8	271.4	259.0	249.0	244.0	240.4	237.8	238.8	238.4
32.5°	285.8	270.2	258.0	243.2	237.6	231.8	230.8	222.4	228.4	229.2
35°	280.0	262.2	247.8	231.4	227.6	218.8	217.0	211.8	210.8	212.2
37.5°	275.6	252.8	237.8	219.8	211.0	206.6	202.6	194.0	191.4	193.0
40°	264.8	242.4	225.2	209.2	197.0	185.8	186.2	176.4	172.6	171.8
42.5°	261.6	231.8	212.8	194.8	183.6	173.2	164.6	153.8	137.8	132.8
45°	246.4	221.8	197.0	178.8	167.4	154.8	136.8	106.4	102.2	102.0
47.5°	236.0	209.8	183.8	166.6	151.8	134.8	107.0	88.0	82.4	81.2
50°	226.4	195.6	171.2	152.2	136.2	103.2	88.2	70.2	63.0	66.6
52.5°	214.0	184.6	159.6	138.0	116.4	87.2	74.0	57.0	50.0	50.2
55°	203.2	174.6	150.2	125.6	97.0	75.0	60.0	41.2	30.0	28.4
57.5°	191.4	162.8	140.0	112.8	84.8	63.0	43.8	19.6	11.6	11.8
60°	177.4	151.4	126.6	95.8	74.6	50.8	28.4	8.6	0.6	0.6
62.5°	165.6	138.8	115.0	85.8	64.4	35.8	18.8	0.6	0.0	0.0
65°	151.6	126.0	103.8	76.6	54.2	30.2	14.6	1.4	0.0	0.0
67.5°	134.4	112.8	92.2	67.6	46.6	25.6	13.8	2.2	0.0	0.0
70°	117.2	99.0	80.8	58.8	39.8	22.8	12.2	2.4	0.0	0.0
72.5°	100.6	83.8	67.8	49.8	33.4	19.4	10.6	2.2	0.0	0.0
75°	81.6	69.0	56.0	41.2	27.6	16.0	8.6	1.8	0.0	0.0
77.5°	63.2	53.6	45.6	32.4	22.0	12.6	6.8	1.4	0.0	0.0
80°	48.2	39.6	32.4	23.6	16.2	9.0	5.0	1.0	0.0	0.0
82.5°	30.2	26.2	21.6	15.6	10.4	6.0	3.2	0.6	0.0	0.0
85°	16.8	14.2	12.2	8.8	6.2	3.4	1.8	0.4	0.0	0.0
87.5°	5.8	5.0	4.2	3.2	2.2	1.2	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)