

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: P394832

Luminaire Tested: **303-A1-LEDB2-4000-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394832
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-A1-LEDB2-4000-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 2
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

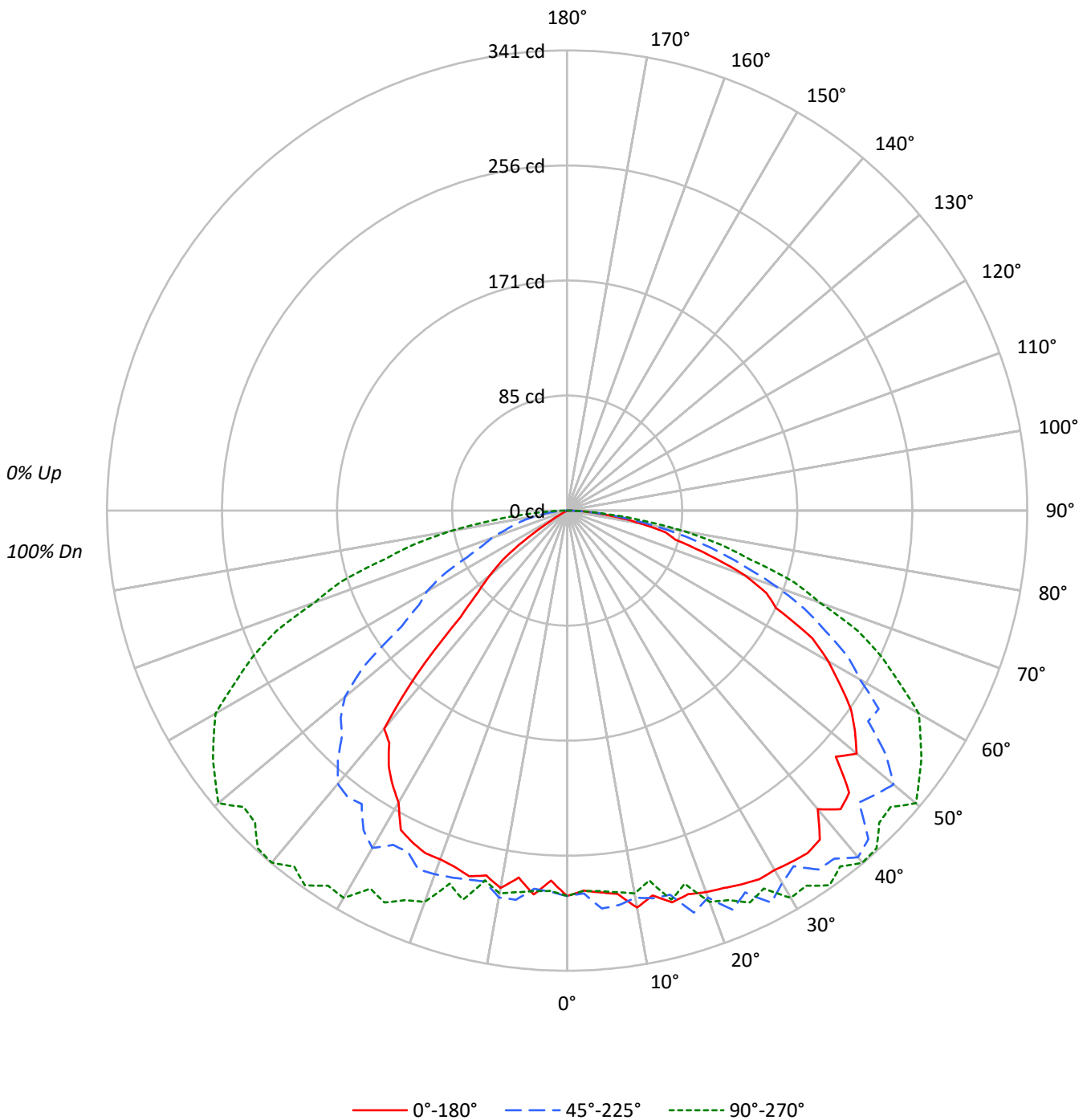
Lumens per Lamp: N/A
Luminaire Lumens: 1132.9 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	98	89	82	75	95	87	80	74	83	78	73		80	75	71		77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60		70	64	59		67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	53	49	47
5	74	60	51	44	71	59	50	43	57	49	43		55	48	42		53	47	42	40
6	68	54	44	37	66	53	44	37	51	43	37		49	42	37		47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32		44	37	32		43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	28		40	33	28		39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25		37	30	25		36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23		34	27	23		33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19675	19675	19675
5°	19640	19577	19750
10°	20895	20146	19867
15°	21432	21289	20005
20°	22059	22617	20161
25°	23229	24354	20622
30°	24461	26362	19871
35°	26079	28510	19393
40°	25981	30630	18966
45°	28799	31868	10863
50°	30019	36161	8027
55°	30843	38482	4768
60°	30780	41458	730
65°	27809	41958	0
70°	28219	40103	0
75°	22066	37450	0
80°	21978	34912	0
85°	16046	23634	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	2.4
10°-20°	83.2	7.3
20°-30°	139.3	12.3
30°-40°	189.9	16.8
40°-50°	213.4	18.8
50°-60°	203.8	18.0
60°-70°	159.9	14.1
70°-80°	93.0	8.2
80°-90°	23.1	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°	249.9	22.1
0°-40°	439.8	38.8
0°-60°	857.0	75.6
0°-90°	1132.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1132.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	286	286	286	286	286	
5°	284	296	283	281	286	27
15°	300	295	298	283	280	84
25°	306	312	320	279	271	141
35°	310	325	339	266	231	192
45°	296	306	327	236	112	222
55°	257	272	320	150	40	228
65°	171	211	257	82	0	177
75°	83	115	141	40	0	97
85°	20	24	30	9	0	26
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°	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6
2.5°	281.9	297.5	293.8	287.2	281.3	284.0	286.2	294.2	282.9	286.0	282.1
5°	284.0	282.7	289.9	278.6	283.8	296.0	269.0	281.7	284.4	287.0	283.1
7.5°	286.6	289.7	291.7	299.7	282.7	294.8	291.9	293.4	303.2	289.3	285.2
10°	298.7	306.5	296.0	274.8	285.4	291.3	296.0	293.8	295.8	292.3	288.0
12.5°	292.1	295.0	299.1	302.4	293.8	294.2	290.9	294.8	320.4	295.2	280.7
15°	300.5	322.4	302.2	297.7	297.5	294.6	304.2	301.1	301.6	299.7	298.5
17.5°	298.1	306.1	305.8	300.9	292.8	312.4	309.1	304.8	327.7	304.8	289.9
20°	300.9	309.5	308.9	304.2	305.8	305.2	294.8	309.5	311.4	300.5	308.5
22.5°	302.8	319.8	308.5	285.6	308.9	320.0	317.7	317.7	316.1	315.3	312.4
25°	305.6	312.8	309.5	298.1	291.9	312.2	314.2	328.1	322.4	321.8	320.4
27.5°	308.1	313.4	313.8	309.5	316.5	327.5	328.1	322.8	328.4	327.1	315.7
30°	307.5	314.2	315.3	312.8	296.6	318.7	325.7	329.0	330.4	331.4	331.4
32.5°	308.9	326.3	319.4	304.4	310.8	312.4	330.0	340.0	342.3	336.1	329.6
35°	310.1	314.4	317.1	305.2	324.7	324.7	334.1	334.7	343.3	338.4	339.0
37.5°	307.5	312.4	307.7	315.7	312.8	325.1	341.0	334.7	339.4	344.7	332.4
40°	288.9	315.7	304.2	304.8	311.8	335.3	340.4	346.1	345.1	337.1	340.6
42.5°	300.1	309.5	307.1	307.7	308.1	330.4	334.1	343.9	337.6	345.7	339.4
45°	295.6	304.2	302.2	303.4	315.1	305.8	335.1	330.0	337.4	337.6	327.1
47.5°	270.0	304.8	296.4	298.9	309.5	311.0	331.0	328.4	344.7	338.0	325.1
50°	280.1	295.0	277.2	290.7	303.8	315.7	325.3	332.9	332.4	325.3	337.4
52.5°	268.8	268.8	275.8	270.2	287.2	297.9	317.1	314.8	329.0	339.0	328.6
55°	256.8	253.9	262.5	237.9	274.7	272.3	306.7	329.6	331.8	303.4	320.4
57.5°	239.6	246.1	251.0	251.4	255.1	273.7	292.5	306.7	312.4	310.1	310.4
60°	223.4	220.7	233.2	226.3	243.5	250.8	286.0	283.8	298.7	298.1	300.9
62.5°	204.8	201.5	207.9	215.8	227.3	234.5	265.3	266.0	281.3	289.1	278.0
65°	170.6	182.1	188.2	193.1	206.0	211.3	235.9	239.6	253.3	258.0	257.4
67.5°	160.0	158.5	165.7	167.3	180.0	190.3	222.6	218.5	229.9	242.8	233.4
70°	140.1	137.1	143.0	145.5	157.9	165.5	182.1	190.5	201.7	207.9	199.1
72.5°	110.7	114.0	124.0	125.2	131.7	138.5	164.1	162.2	180.2	183.7	176.4
75°	82.9	92.9	99.0	99.6	107.2	114.6	133.4	137.9	152.8	146.7	140.7
77.5°	74.7	72.6	77.5	80.2	85.1	91.0	100.9	105.4	121.5	116.2	116.4
80°	55.4	53.2	56.9	57.1	62.8	66.3	72.8	77.9	85.9	85.1	88.0
82.5°	37.0	36.6	38.1	38.9	42.1	45.0	49.3	52.6	56.5	57.7	56.3
85°	20.3	20.7	22.9	22.9	23.1	24.3	26.4	29.0	30.1	30.9	29.9
87.5°	10.0	10.4	10.4	9.8	9.8	9.4	9.6	10.2	11.5	10.8	10.4
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°	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6
2.5°	289.3	285.8	280.3	285.6	282.7	271.1	279.2	295.6	284.4	274.5
5°	289.7	285.4	279.7	283.5	281.3	280.7	282.7	285.2	281.9	285.6
7.5°	291.9	284.4	280.1	284.2	290.9	285.4	276.2	290.9	278.4	274.3
10°	294.6	286.6	281.5	276.0	291.1	274.8	276.0	279.9	277.2	284.0
12.5°	289.9	290.1	283.3	286.2	281.5	270.0	266.6	278.4	277.0	277.0
15°	303.2	293.8	293.2	288.9	283.1	285.6	274.7	276.8	275.6	280.5
17.5°	307.7	299.3	294.0	292.5	285.0	276.2	274.1	274.8	274.5	276.8
20°	319.8	301.8	298.1	295.6	286.8	287.0	273.3	272.3	265.3	275.0
22.5°	312.4	310.8	298.5	298.7	287.8	279.0	271.5	268.8	260.8	274.8
25°	325.1	308.5	304.8	301.8	279.2	278.2	269.2	265.7	264.1	271.3
27.5°	326.1	312.2	308.5	293.8	279.3	272.3	261.3	258.8	247.7	266.8
30°	356.2	326.1	296.8	305.6	288.7	279.9	261.2	255.1	240.4	249.8
32.5°	338.4	319.4	303.2	306.5	280.9	274.5	254.9	251.4	232.0	240.8
35°	351.9	328.1	315.1	303.2	265.5	267.4	246.3	234.4	235.5	230.6
37.5°	354.9	332.4	314.4	293.6	267.4	258.4	229.9	222.4	218.5	216.7
40°	339.0	328.6	304.8	298.9	264.3	246.7	212.1	206.8	191.7	210.9
42.5°	341.0	326.7	304.4	284.0	251.4	232.8	206.2	182.1	167.8	165.5
45°	333.3	322.8	290.9	272.7	235.9	216.4	169.0	124.0	109.4	111.5
47.5°	329.6	296.8	291.9	261.0	227.5	192.5	131.3	106.0	92.7	89.2
50°	325.1	311.0	264.5	250.8	215.0	148.1	102.3	83.1	73.4	74.9
52.5°	326.3	305.8	272.5	237.3	190.5	123.4	96.6	69.2	62.2	60.1
55°	309.5	286.0	260.6	221.6	149.8	107.8	82.4	54.2	43.4	39.7
57.5°	298.5	277.6	245.7	201.9	130.1	92.7	61.8	22.7	16.0	15.6
60°	291.9	267.8	229.1	179.4	120.1	78.1	37.8	12.7	6.7	5.3
62.5°	274.7	243.7	202.1	150.0	104.3	52.2	28.8	5.7	0.0	0.0
65°	243.4	221.8	175.7	128.1	81.8	42.4	21.1	3.5	0.0	0.0
67.5°	221.2	186.6	162.2	114.2	67.7	35.2	19.2	3.3	0.0	0.0
70°	194.1	181.1	140.7	97.4	59.1	29.3	15.8	2.7	0.0	0.0
72.5°	166.5	149.6	123.8	83.7	48.1	24.6	12.9	2.5	0.0	0.0
75°	135.8	126.8	98.0	65.3	40.3	20.5	10.4	2.2	0.0	0.0
77.5°	104.5	98.6	79.4	53.8	32.1	16.4	8.4	1.6	0.0	0.0
80°	82.7	73.2	56.1	37.0	23.3	11.9	5.9	1.2	0.0	0.0
82.5°	54.2	46.4	38.0	26.0	15.8	7.6	4.1	0.6	0.0	0.0
85°	28.6	25.0	21.1	13.9	9.0	4.5	2.3	0.6	0.0	0.0
87.5°	10.4	8.6	7.2	4.9	3.3	1.6	0.8	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)