

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: P394890

Luminaire Tested: **303-A1-LEDB2-4000-UNV-T4-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394890  
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-LEDB2-4000-UNV-T4-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 4  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

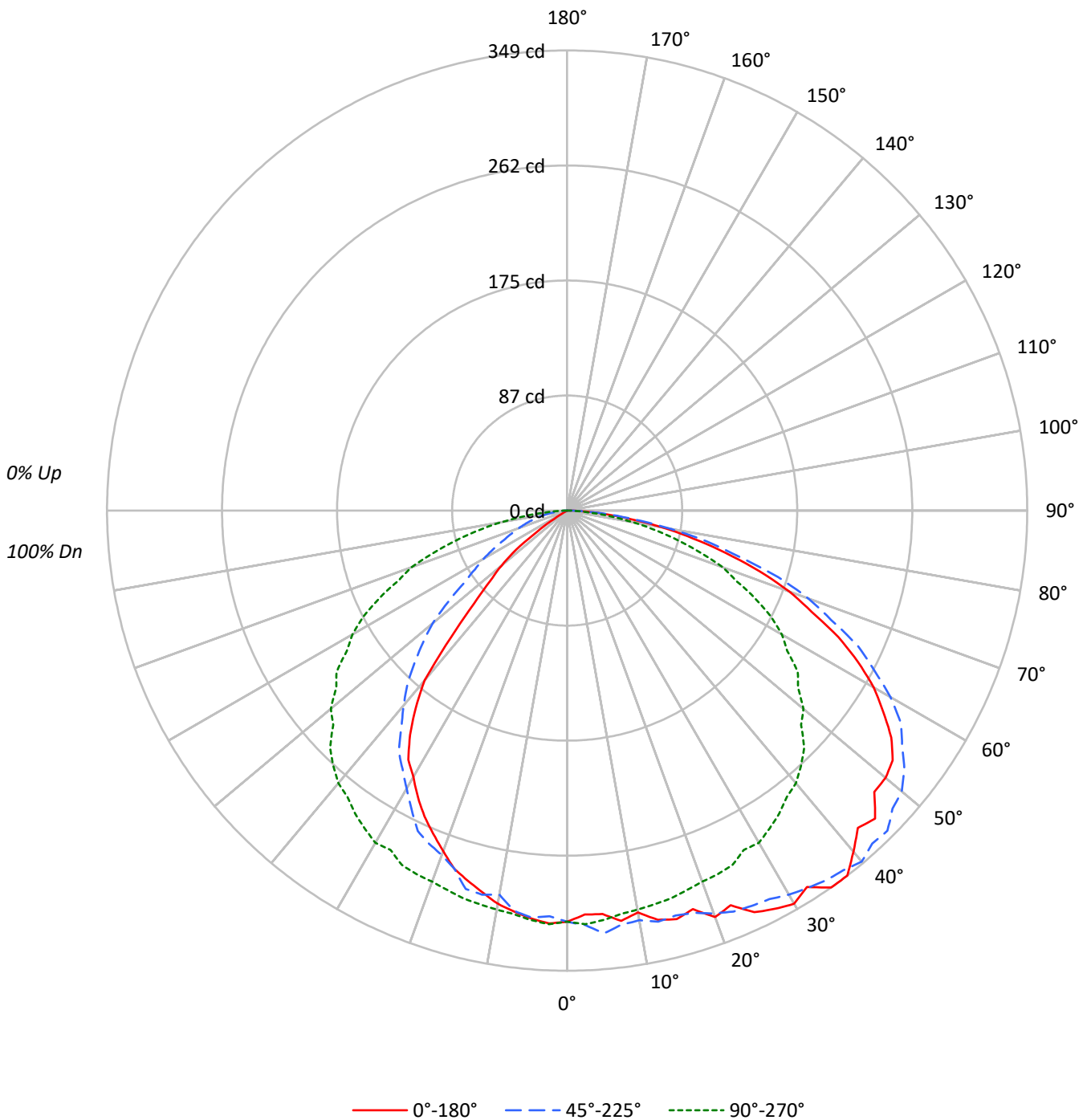
Lumens per Lamp: N/A  
Luminaire Lumens: 1035.0 lumens  
Efficiency: N/A  
Efficacy: 66.8 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52  
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')  
CIE Type: Direct

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	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°	21480	21480	21480
5°	21237	21562	21479
10°	21650	21497	21182
15°	22880	21710	20733
20°	24053	21957	20146
25°	25548	22545	19451
30°	27388	23140	18550
35°	29351	23590	17459
40°	30378	24281	15108
45°	32189	24775	9723
50°	33792	25079	6977
55°	36044	25655	3339
60°	37008	25903	83
65°	36987	25609	0
70°	36054	25339	0
75°	33165	23184	0
80°	29040	19955	0
85°	20867	13437	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.7	2.9
10°-20°	86.7	8.4
20°-30°	137.2	13.3
30°-40°	176.0	17.0
40°-50°	188.8	18.2
50°-60°	174.9	16.9
60°-70°	139.2	13.4
70°-80°	82.3	8.0
80°-90°	20.3	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°	253.5	24.5
0°-40°	429.5	41.5
0°-60°	793.2	76.6
0°-90°	1035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1035.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	312	312	312	312	312	
5°	307	322	312	310	311	30
15°	321	318	304	297	291	90
25°	336	331	297	268	256	155
35°	349	342	280	223	208	216
45°	330	344	254	164	100	251
55°	300	310	214	95	28	266
65°	227	243	157	53	0	223
75°	125	134	87	27	0	132
85°	26	30	17	6	0	33
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°	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8
2.5°	306.7	312.8	312.6	310.1	308.1	314.6	307.7	314.2	312.4	312.0	314.0
5°	307.1	317.9	314.2	316.5	311.8	321.8	312.4	315.5	305.4	314.0	311.8
7.5°	313.8	318.5	315.3	318.5	309.5	316.7	313.0	315.7	316.5	311.6	308.7
10°	309.5	320.2	317.1	315.3	314.4	315.5	310.3	314.9	316.1	310.8	307.3
12.5°	317.9	322.8	318.7	321.2	311.6	319.3	314.9	315.3	312.0	309.7	305.8
15°	320.8	322.0	322.4	324.7	316.9	317.9	316.1	315.5	312.2	308.1	304.4
17.5°	316.9	328.4	324.3	323.8	321.2	319.8	317.9	316.1	315.3	308.5	301.8
20°	328.1	331.8	328.8	327.1	322.6	325.1	319.8	318.1	308.7	305.0	299.5
22.5°	323.9	332.0	331.8	332.9	328.4	329.2	319.8	319.4	310.6	302.8	298.5
25°	336.1	339.8	335.5	334.7	328.4	330.8	320.8	319.1	309.1	300.5	296.6
27.5°	340.6	343.9	341.9	343.1	337.2	332.2	327.5	324.7	309.7	299.1	290.1
30°	344.3	350.4	348.8	346.1	339.0	336.3	330.8	325.7	315.5	297.1	290.9
32.5°	338.4	350.0	344.3	346.4	345.7	339.4	331.6	324.7	315.7	298.9	285.8
35°	349.0	347.0	347.8	351.5	345.9	342.3	337.4	328.6	315.5	296.0	280.5
37.5°	349.0	351.1	346.2	352.3	346.8	343.9	334.7	324.9	313.6	287.4	273.7
40°	337.8	344.1	345.7	351.1	349.6	347.6	338.6	326.3	310.1	282.7	270.0
42.5°	326.3	340.8	336.9	346.2	348.8	342.5	337.2	319.3	305.0	276.2	262.5
45°	330.4	339.6	338.8	345.1	341.9	343.5	333.7	318.1	294.6	271.7	254.3
47.5°	315.9	332.8	328.6	339.2	338.0	334.7	328.6	310.6	289.5	258.6	240.6
50°	315.3	321.0	323.2	328.6	333.5	331.2	317.5	309.7	279.5	246.5	234.0
52.5°	311.2	308.3	312.6	318.3	322.0	322.4	307.9	289.3	269.6	241.0	220.7
55°	300.1	297.3	301.3	306.5	315.7	310.1	303.2	280.5	255.7	225.4	213.6
57.5°	284.4	280.9	283.3	293.2	302.0	300.3	290.5	268.8	251.4	216.9	198.0
60°	268.6	265.8	264.3	275.8	280.7	283.1	273.1	250.8	230.4	201.1	188.0
62.5°	248.8	251.8	253.1	258.2	262.7	262.7	257.4	233.8	212.6	186.2	174.3
65°	226.9	224.2	226.5	239.0	245.1	243.4	240.0	215.2	194.8	170.2	157.1
67.5°	200.7	200.9	207.9	212.2	222.4	216.7	213.4	195.6	172.5	152.6	138.3
70°	179.0	177.8	178.8	187.0	191.5	194.6	188.4	169.0	152.4	134.2	125.8
72.5°	153.0	151.2	152.4	160.8	164.1	167.8	159.4	144.4	132.0	114.8	105.8
75°	124.6	124.8	127.2	129.9	137.3	134.4	132.0	119.5	106.2	92.9	87.1
77.5°	98.0	98.4	100.4	104.5	108.0	108.4	105.8	93.9	82.4	72.8	68.3
80°	73.2	72.2	72.8	75.9	80.0	79.6	76.7	69.1	61.6	52.6	50.3
82.5°	47.5	47.9	48.3	51.1	51.1	50.9	50.5	46.0	41.3	34.4	32.7
85°	26.4	27.0	28.0	27.8	28.8	29.5	27.2	24.6	20.9	19.2	17.0
87.5°	12.1	11.5	11.7	11.0	11.2	10.8	9.6	8.4	7.4	6.1	5.5
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°	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8
2.5°	312.2	315.9	313.6	310.6	307.9	310.8	311.2	308.3	309.3	313.4
5°	314.2	308.9	312.2	312.4	309.9	311.4	301.8	308.5	306.7	310.6
7.5°	310.3	313.0	309.5	309.5	306.3	308.1	306.1	304.4	308.7	306.9
10°	309.3	307.1	309.5	306.3	295.8	300.9	298.3	300.1	298.5	302.8
12.5°	306.3	302.8	303.6	302.2	298.3	296.2	297.5	298.5	300.9	296.6
15°	304.4	301.8	299.5	299.9	297.1	291.7	285.0	288.5	286.8	290.7
17.5°	301.6	297.3	296.6	290.1	284.6	288.1	285.4	282.3	279.9	284.8
20°	300.1	296.4	291.5	282.7	278.0	277.2	277.8	277.2	275.2	274.8
22.5°	295.2	288.3	284.6	275.8	273.5	269.0	262.7	267.6	262.5	265.3
25°	291.7	283.5	279.0	271.1	268.2	259.8	258.4	252.0	254.1	255.9
27.5°	289.9	280.9	269.8	259.4	255.5	249.4	249.4	243.2	244.3	245.1
30°	284.4	271.7	265.5	253.3	243.5	238.7	235.1	232.6	233.6	233.2
32.5°	279.5	264.3	252.4	237.9	232.4	226.7	225.7	217.5	223.4	224.2
35°	273.9	256.5	242.4	226.3	222.6	214.0	212.2	207.2	206.2	207.6
37.5°	269.6	247.3	232.6	215.0	206.4	202.1	198.2	189.8	187.2	188.8
40°	259.0	237.1	220.3	204.6	192.7	181.7	182.1	172.5	168.8	168.0
42.5°	255.9	226.7	208.1	190.5	179.6	169.4	161.0	150.4	134.8	129.9
45°	241.0	216.9	192.7	174.9	163.7	151.4	133.8	104.1	100.0	99.8
47.5°	230.8	205.2	179.8	163.0	148.5	131.8	104.7	86.1	80.6	79.4
50°	221.4	191.3	167.5	148.9	133.2	100.9	86.3	68.7	61.6	65.1
52.5°	209.3	180.6	156.1	135.0	113.9	85.3	72.4	55.8	48.9	49.1
55°	198.8	170.8	146.9	122.8	94.9	73.4	58.7	40.3	29.3	27.8
57.5°	187.2	159.2	136.9	110.3	82.9	61.6	42.8	19.2	11.3	11.5
60°	173.5	148.1	123.8	93.7	73.0	49.7	27.8	8.4	0.6	0.6
62.5°	162.0	135.8	112.5	83.9	63.0	35.0	18.4	0.6	0.0	0.0
65°	148.3	123.2	101.5	74.9	53.0	29.5	14.3	1.4	0.0	0.0
67.5°	131.5	110.3	90.2	66.1	45.6	25.0	13.5	2.2	0.0	0.0
70°	114.6	96.8	79.0	57.5	38.9	22.3	11.9	2.3	0.0	0.0
72.5°	98.4	82.0	66.3	48.7	32.7	19.0	10.4	2.2	0.0	0.0
75°	79.8	67.5	54.8	40.3	27.0	15.6	8.4	1.8	0.0	0.0
77.5°	61.8	52.4	44.6	31.7	21.5	12.3	6.7	1.4	0.0	0.0
80°	47.1	38.7	31.7	23.1	15.8	8.8	4.9	1.0	0.0	0.0
82.5°	29.5	25.6	21.1	15.3	10.2	5.9	3.1	0.6	0.0	0.0
85°	16.4	13.9	11.9	8.6	6.1	3.3	1.8	0.4	0.0	0.0
87.5°	5.7	4.9	4.1	3.1	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)