

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: P394948

Luminaire Tested: **303-A1-LEDB2-4000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394948
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-LEDB2-4000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

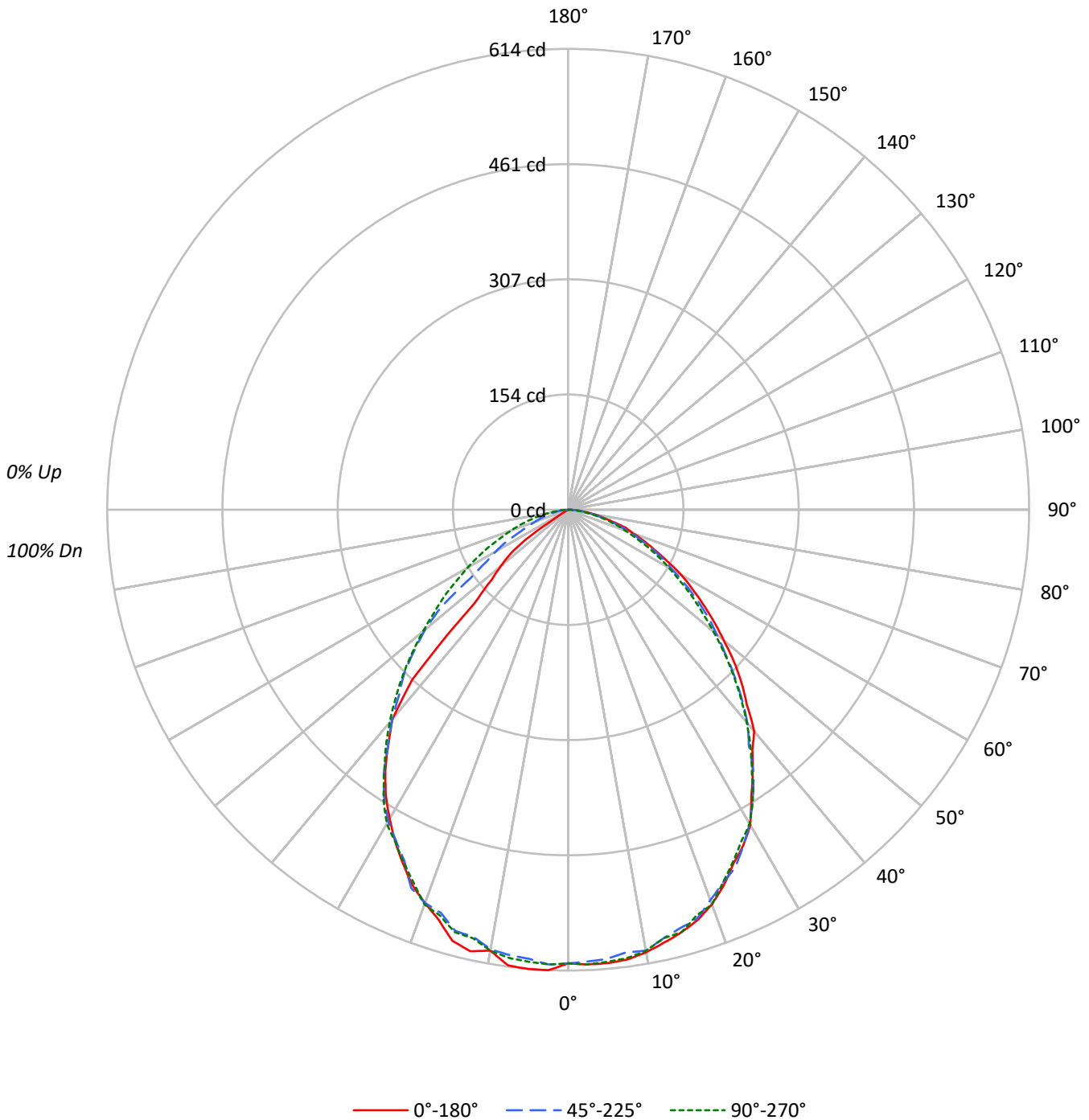
Lumens per Lamp: N/A
Luminaire Lumens: 1265.4 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.24
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): 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°	41644	41644	41644
5°	41935	41803	42474
10°	41874	41734	41734
15°	41573	41573	42414
20°	41018	41018	40871
25°	39557	39405	39557
30°	38588	38437	37817
35°	36028	35868	35700
40°	34659	33247	32725
45°	31829	30299	17157
50°	28937	27051	12582
55°	26315	24201	8227
60°	23988	21287	537
65°	20735	18811	0
70°	18511	16154	0
75°	16130	14054	0
80°	13965	10870	0
85°	10829	7746	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	4.5
10°-20°	163.6	12.9
20°-30°	239.7	18.9
30°-40°	266.0	21.0
40°-50°	230.2	18.2
50°-60°	159.2	12.6
60°-70°	92.9	7.3
70°-80°	45.4	3.6
80°-90°	10.9	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°	460.7	36.4
0°-40°	726.7	57.4
0°-60°	1116.2	88.2
0°-90°	1265.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	604	604	604	604	604	
5°	606	601	604	601	614	58
15°	583	577	583	581	595	164
25°	520	526	518	516	520	241
35°	428	430	426	428	424	269
45°	327	313	311	309	176	252
55°	219	209	202	158	68	197
65°	127	123	115	72	0	128
75°	61	57	53	29	0	66
85°	14	14	10	6	0	17
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°	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5
2.5°	606.4	594.7	594.7	602.5	610.3	602.5	612.3	602.5	606.4	600.6	606.4
5°	606.4	598.6	596.6	592.7	602.5	600.6	614.2	602.5	602.5	604.5	604.5
7.5°	604.5	596.6	594.7	592.7	590.8	594.7	618.2	606.4	600.6	602.5	602.5
10°	598.6	590.8	588.8	573.2	594.7	596.6	598.6	592.7	594.7	590.8	596.6
12.5°	590.8	584.9	577.1	586.9	582.9	584.9	588.8	610.3	588.8	584.9	584.9
15°	582.9	569.3	571.2	579.0	575.1	577.1	579.0	579.0	581.0	581.0	582.9
17.5°	573.2	565.3	561.4	561.4	569.3	571.2	569.3	582.9	569.3	571.2	567.3
20°	559.5	543.8	549.7	553.6	563.4	553.6	561.4	555.6	557.5	545.8	559.5
22.5°	541.9	524.3	526.2	528.2	536.0	538.0	545.8	538.0	541.9	530.1	538.0
25°	520.4	516.4	516.4	520.4	528.2	526.2	532.1	528.2	522.3	518.4	518.4
27.5°	504.7	496.9	496.9	487.1	502.7	504.7	506.7	506.7	493.0	498.8	498.8
30°	485.1	469.5	473.4	479.3	479.3	483.2	479.3	483.2	479.3	479.3	483.2
32.5°	453.8	446.0	446.0	449.9	453.8	457.8	461.7	455.8	453.8	455.8	457.8
35°	428.4	426.5	424.5	428.4	436.2	430.4	426.5	440.1	416.7	424.5	426.5
37.5°	403.0	401.0	399.1	395.2	399.1	395.2	399.1	397.1	393.2	399.1	399.1
40°	385.4	373.6	367.8	367.8	371.7	371.7	367.8	369.7	361.9	365.8	369.7
42.5°	352.1	354.1	348.2	346.2	342.3	342.3	340.4	340.4	340.4	334.5	340.4
45°	326.7	320.8	320.8	318.9	314.9	313.0	311.0	305.2	311.0	309.1	311.0
47.5°	299.3	297.3	291.5	289.5	289.5	283.6	279.7	279.7	277.8	277.8	281.7
50°	270.0	268.0	266.0	264.1	264.1	258.2	252.4	250.4	246.5	250.4	252.4
52.5°	244.5	242.6	236.7	238.7	238.7	234.7	225.0	223.0	226.9	225.0	225.0
55°	219.1	221.1	215.2	213.2	211.3	209.3	203.4	199.5	199.5	199.5	201.5
57.5°	195.6	195.6	191.7	189.8	185.8	183.9	181.9	176.1	176.1	174.1	176.1
60°	174.1	172.1	168.2	168.2	166.3	160.4	158.5	154.5	154.5	152.6	154.5
62.5°	148.7	144.8	148.7	144.8	144.8	142.8	138.9	135.0	131.1	131.1	135.0
65°	127.2	129.1	127.2	125.2	125.2	123.2	119.3	115.4	111.5	113.5	115.4
67.5°	109.5	109.5	107.6	105.6	107.6	103.7	99.8	97.8	95.9	95.9	95.9
70°	91.9	91.9	91.9	90.0	88.0	88.0	84.1	82.2	80.2	80.2	80.2
72.5°	80.2	76.3	74.3	72.4	72.4	70.4	68.5	66.5	64.6	66.5	66.5
75°	60.6	60.6	60.6	58.7	58.7	56.7	54.8	52.8	52.8	50.9	52.8
77.5°	46.9	46.9	46.9	45.0	45.0	43.0	41.1	41.1	39.1	39.1	39.1
80°	35.2	35.2	35.2	33.3	33.3	31.3	29.3	27.4	29.3	29.3	27.4
82.5°	23.5	23.5	23.5	21.5	21.5	21.5	19.6	19.6	17.6	17.6	17.6
85°	13.7	13.7	13.7	13.7	13.7	13.7	11.7	9.8	9.8	9.8	9.8
87.5°	7.8	7.8	7.8	7.8	7.8	5.9	5.9	3.9	3.9	3.9	3.9
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°	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5
2.5°	602.5	602.5	602.5	606.4	606.4	588.8	608.4	608.4	600.6	614.2
5°	606.4	600.6	606.4	598.6	600.6	596.6	602.5	602.5	596.6	614.2
7.5°	602.5	604.5	598.6	604.5	598.6	596.6	614.2	602.5	602.5	612.3
10°	598.6	598.6	594.7	592.7	594.7	598.6	608.4	598.6	592.7	596.6
12.5°	590.8	592.7	596.6	588.8	582.9	592.7	596.6	592.7	581.0	602.5
15°	590.8	584.9	584.9	579.0	581.0	584.9	588.8	584.9	581.0	594.7
17.5°	573.2	571.2	571.2	567.3	563.4	575.1	584.9	573.2	573.2	573.2
20°	559.5	561.4	563.4	555.6	557.5	553.6	561.4	559.5	561.4	557.5
22.5°	547.7	543.8	543.8	543.8	545.8	545.8	545.8	543.8	524.3	541.9
25°	522.3	526.2	528.2	520.4	516.4	526.2	528.2	516.4	524.3	520.4
27.5°	500.8	500.8	506.7	500.8	496.9	493.0	512.5	504.7	493.0	498.8
30°	477.3	479.3	485.1	477.3	479.3	483.2	485.1	479.3	481.2	475.4
32.5°	457.8	451.9	461.7	453.8	455.8	455.8	457.8	451.9	446.0	451.9
35°	424.5	430.4	430.4	422.5	428.4	424.5	428.4	424.5	426.5	424.5
37.5°	401.0	393.2	403.0	397.1	393.2	395.2	401.0	391.2	397.1	393.2
40°	365.8	367.8	373.6	365.8	363.9	359.9	367.8	367.8	358.0	363.9
42.5°	346.2	336.5	344.3	338.4	332.6	340.4	338.4	324.7	297.3	307.1
45°	311.0	307.1	313.0	301.3	309.1	303.2	291.5	215.2	181.9	176.1
47.5°	277.8	273.9	283.6	275.8	277.8	270.0	197.6	144.8	138.9	138.9
50°	256.3	250.4	256.3	246.5	248.4	189.8	154.5	121.3	117.4	117.4
52.5°	226.9	226.9	230.8	221.1	213.2	140.8	131.1	103.7	101.7	97.8
55°	201.5	201.5	203.4	199.5	158.5	121.3	111.5	82.2	70.4	68.5
57.5°	174.1	176.1	178.0	172.1	129.1	103.7	86.1	23.5	11.7	9.8
60°	152.6	152.6	154.5	138.9	111.5	84.1	43.0	7.8	3.9	3.9
62.5°	135.0	133.0	135.0	113.5	93.9	48.9	33.3	3.9	0.0	0.0
65°	113.5	113.5	115.4	93.9	72.4	37.2	25.4	2.0	0.0	0.0
67.5°	95.9	95.9	97.8	80.2	56.7	31.3	21.5	2.0	0.0	0.0
70°	80.2	80.2	80.2	66.5	46.9	25.4	17.6	2.0	0.0	0.0
72.5°	64.6	64.6	64.6	54.8	39.1	21.5	13.7	0.0	0.0	0.0
75°	52.8	52.8	50.9	43.0	29.3	17.6	11.7	0.0	0.0	0.0
77.5°	39.1	39.1	41.1	33.3	23.5	11.7	7.8	0.0	0.0	0.0
80°	27.4	27.4	27.4	23.5	17.6	9.8	5.9	0.0	0.0	0.0
82.5°	17.6	17.6	19.6	15.6	11.7	5.9	3.9	0.0	0.0	0.0
85°	9.8	9.8	9.8	7.8	5.9	3.9	2.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	2.0	2.0	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)