

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P29549

Luminaire Tested: **9002-W1-FL-LEDCB-W-BK-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29549
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LEDCB-W-BK-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

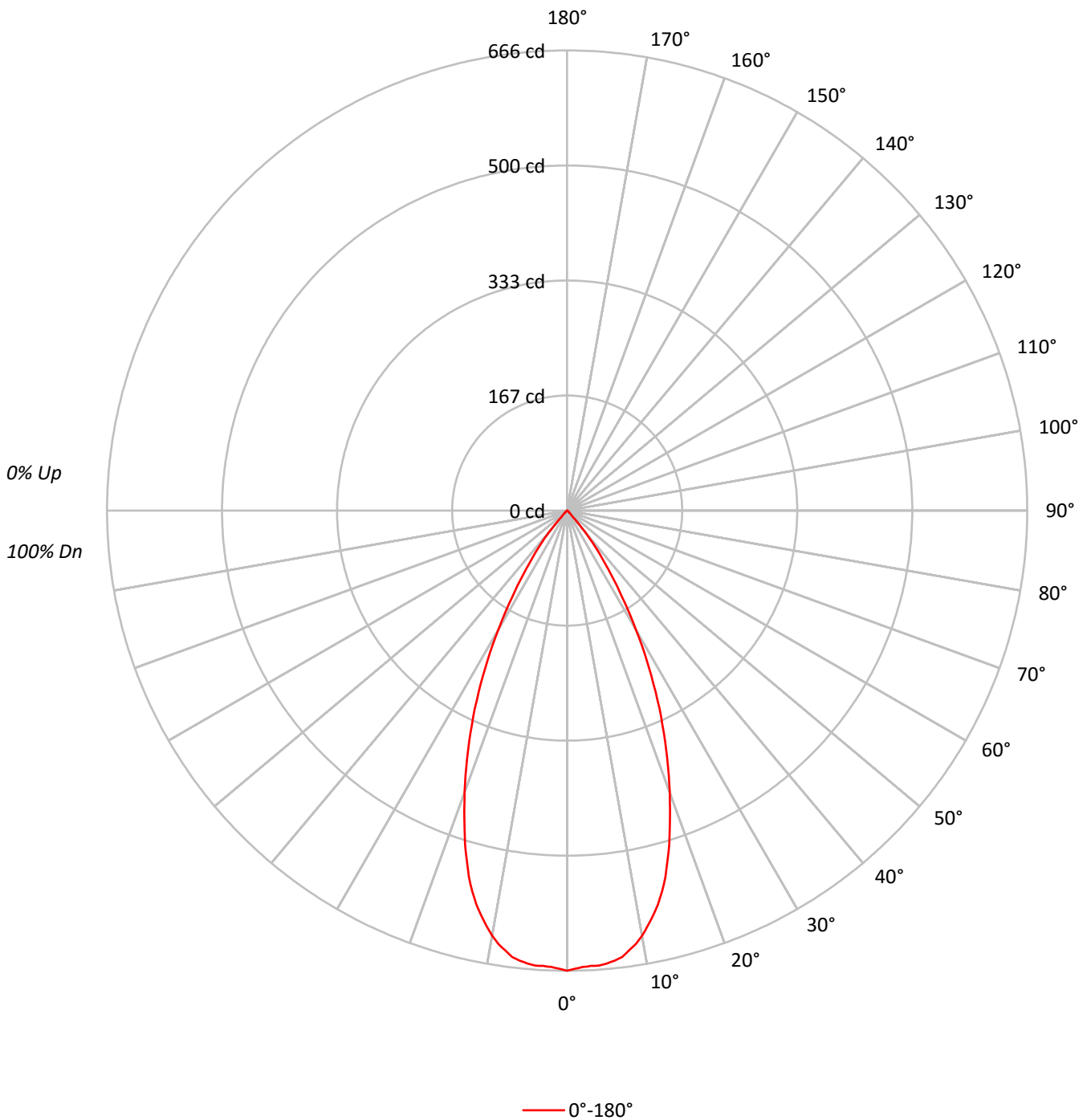
Lumens per Lamp: N/A
Luminaire Lumens: 433.9 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.76
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.5
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: 25 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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	79	77	82	78	76	75
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	61	68	64	61	60
10	77	68	62	59	76	67	62	59	66	62	59	66	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328591
5°	325884
10°	313119
15°	280420
20°	227869
25°	172025
30°	113371
35°	62640
40°	25118
45°	3489
50°	2303
55°	2581
60°	987
65°	1167
70°	1443
75°	1906
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	14.2
10°-20°	150.5	34.7
20°-30°	142.9	32.9
30°-40°	67.3	15.5
40°-50°	7.8	1.8
50°-60°	2.0	0.5
60°-70°	1.0	0.2
70°-80°	0.7	0.2
80°-90°	0.0	0.0
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°	355.2	81.8
0°-40°	422.5	97.4
0°-60°	432.3	99.6
0°-90°	433.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	666	
5°	658	62
15°	549	150
25°	316	143
35°	104	67
45°	5	8
55°	3	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	666
1°	663
2°	661
3°	660
4°	660
5°	658
6°	655
7°	651
8°	643
9°	635
10°	625
11°	612
12°	599
13°	585
14°	568
15°	549
16°	527
17°	505
18°	481
19°	457
20°	434
21°	410
22°	387
23°	363
24°	339
25°	316
26°	292
27°	268
28°	245
29°	223
30°	199
32.5°	148
35°	104
37.5°	70
40°	39
42.5°	12
45°	5
47.5°	4
50°	3
52.5°	3
55°	3
57.5°	1
60°	1
62.5°	1
65°	1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)