

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: P221129

Luminaire Tested: **9002-W1-[RW, RI]-LEDCW-F-WT-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29544)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LEDCW-F-WT-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 484.4 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.58
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

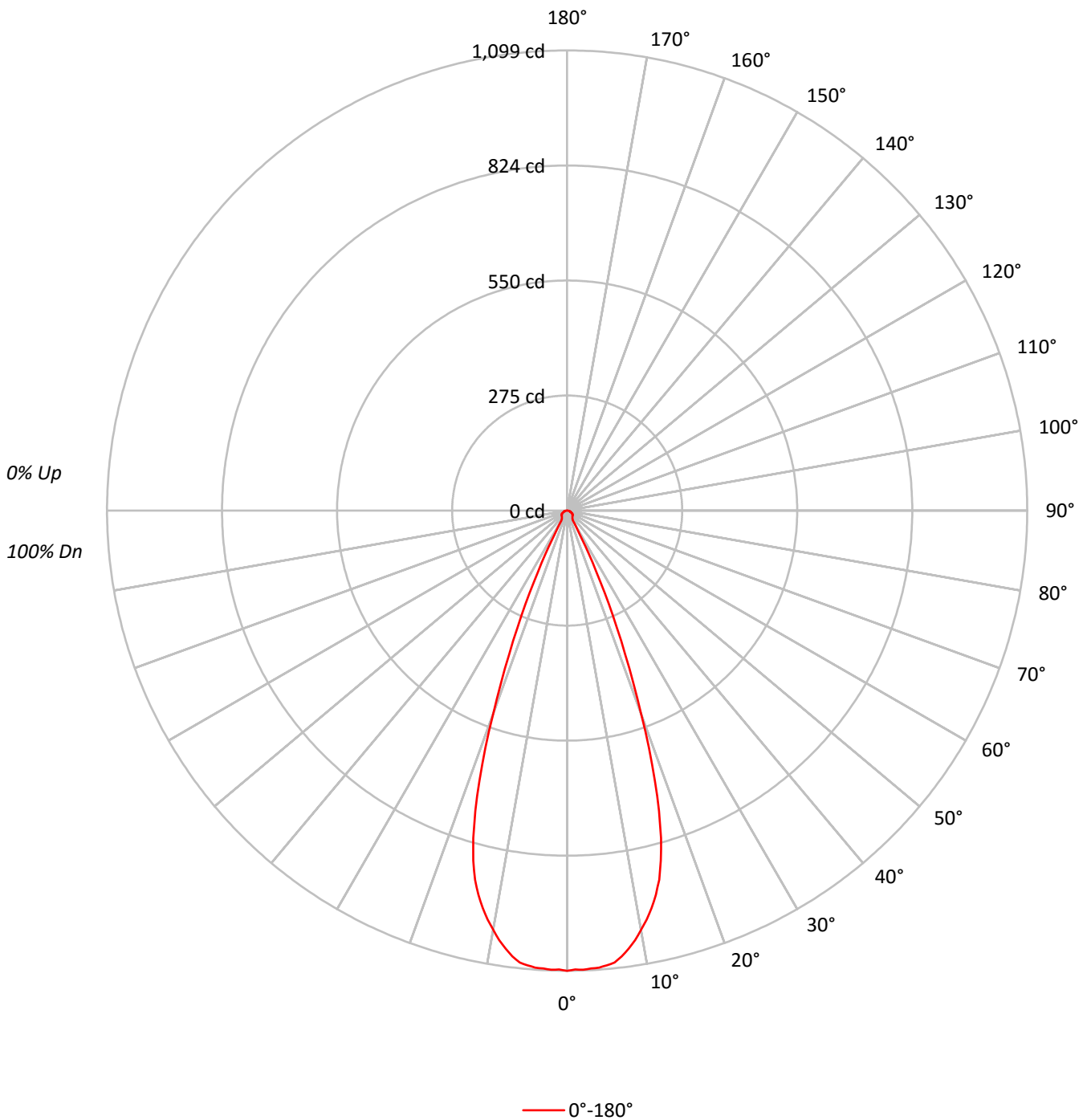
Input Watts (W): 14.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	93	85	80	76	91	84	79	76	83	79	75	81	78	75	80	77	74	73
7	89	81	76	73	88	81	76	72	80	75	72	78	75	72	77	74	71	70
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	81	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	542323
5°	539937
10°	509457
15°	441981
20°	272183
25°	102508
30°	15838
35°	13130
40°	12752
45°	12420
50°	12895
55°	13677
60°	13716
65°	12725
70°	11396
75°	13153
80°	14206
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	21.0
10°-20°	227.5	47.0
20°-30°	92.7	19.1
30°-40°	14.1	2.9
40°-50°	14.0	2.9
50°-60°	13.9	2.9
60°-70°	10.5	2.2
70°-80°	7.2	1.5
80°-90°	2.6	0.5
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°	422.0	87.1
0°-40°	436.1	90.0
0°-60°	464.1	95.8
0°-90°	484.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	484.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1099	
5°	1090	102
15°	865	228
25°	188	93
35°	22	14
45°	18	14
55°	16	14
65°	11	11
75°	7	7
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1099.2
1°	1096.2
2°	1097.2
3°	1095.2
4°	1094.2
5°	1090.2
6°	1085.3
7°	1072.4
8°	1056.5
9°	1038.7
10°	1016.9
11°	995.1
12°	970.3
13°	941.6
14°	908.9
15°	865.3
16°	813.7
17°	750.3
18°	678.9
19°	599.6
20°	518.4
21°	441.1
22°	369.7
23°	304.3
24°	244.8
25°	188.3
26°	138.8
27°	96.1
28°	62.4
29°	39.6
30°	27.8
32.5°	23.8
35°	21.8
37.5°	20.8
40°	19.8
42.5°	18.8
45°	17.8
47.5°	17.8
50°	16.8
52.5°	15.9
55°	15.9
57.5°	14.9
60°	13.9
62.5°	11.9
65°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.9
70°	7.9
72.5°	7.9
75°	6.9
77.5°	5.9
80°	5.0
82.5°	4.0
85°	2.0
87.5°	1.0
90°	0.0

(END OF REPORT)