

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: P220400

Luminaire Tested: **9002-W1-FL-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED4097-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

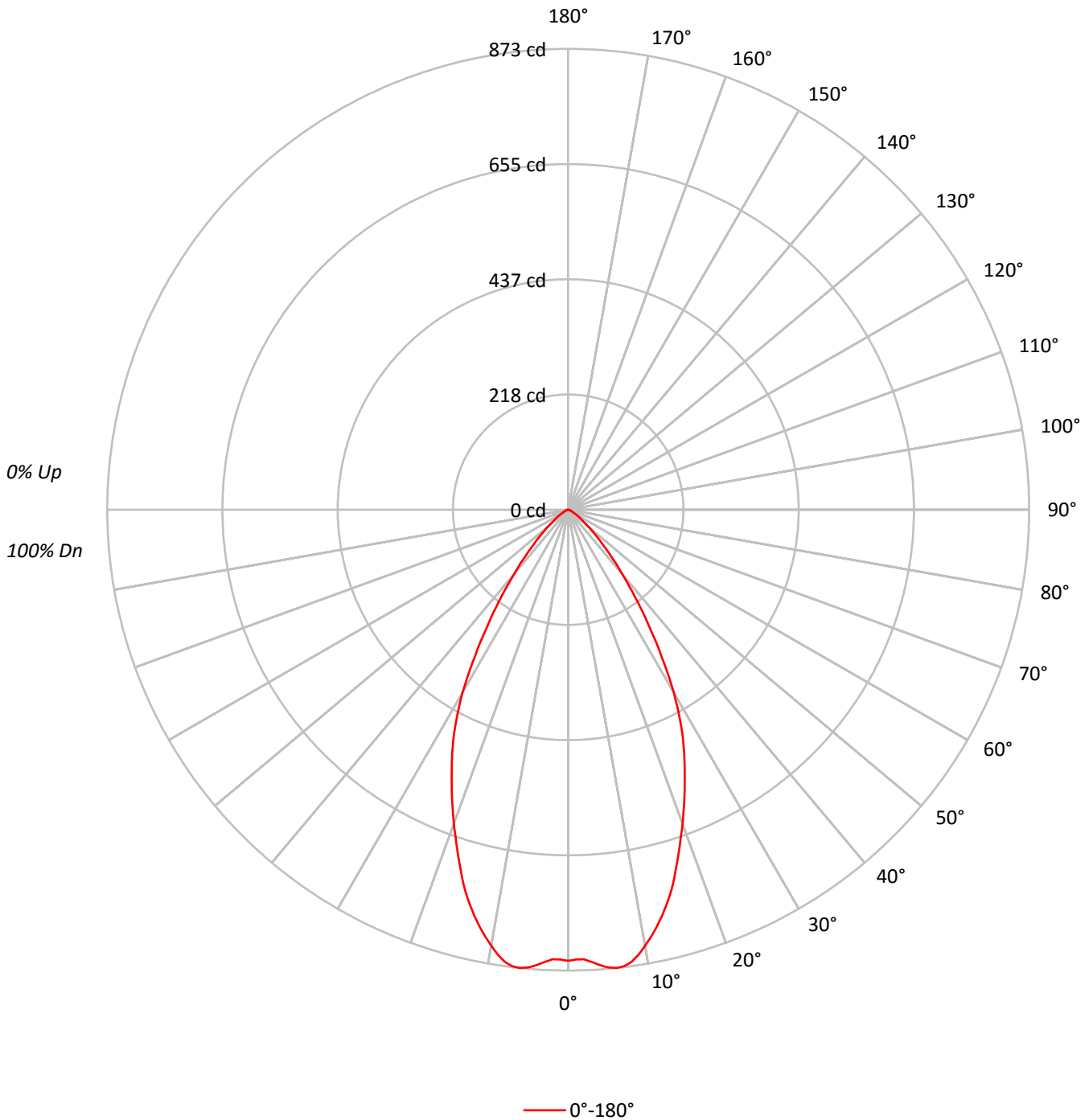
Lumens per Lamp: N/A
Luminaire Lumens: 804.3 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	101	95	89	85	99	93	88	84	91	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	61		69	64	60		67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	57		65	60	56		64	59	56	55
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60	56	53	51
10	70	60	54	50	69	59	54	50	59	53	50		58	53	50		57	53	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	421692
5°	431177
10°	420281
15°	383395
20°	332405
25°	283461
30°	227825
35°	158527
40°	102985
45°	63355
50°	38378
55°	22967
60°	14012
65°	9690
70°	6059
75°	4766
80°	4830
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	10.2
10°-20°	207.8	25.8
20°-30°	237.1	29.5
30°-40°	166.3	20.7
40°-50°	73.4	9.1
50°-60°	25.4	3.2
60°-70°	8.4	1.0
70°-80°	3.0	0.4
80°-90°	0.7	0.1
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°	527.2	65.5
0°-40°	693.5	86.2
0°-60°	792.3	98.5
0°-90°	804.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	855	
5°	871	82
15°	751	208
25°	521	237
35°	263	166
45°	91	73
55°	27	25
65°	8	8
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	854.7
1°	852.2
2°	852.2
3°	858.1
4°	864.7
5°	870.6
6°	873.1
7°	871.4
8°	864.7
9°	853.1
10°	838.9
11°	823.9
12°	807.2
13°	789.7
14°	770.6
15°	750.6
16°	727.3
17°	703.1
18°	678.9
19°	655.6
20°	633.1
21°	609.8
22°	587.3
23°	564.8
24°	542.3
25°	520.7
26°	499.0
27°	476.5
28°	451.5
29°	425.7
30°	399.9
32.5°	328.2
35°	263.2
37.5°	206.6
40°	159.9
42.5°	121.6
45°	90.8
47.5°	67.5
50°	50.0
52.5°	36.7
55°	26.7
57.5°	19.2
60°	14.2
62.5°	10.8
65°	8.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.8
70°	4.2
72.5°	3.3
75°	2.5
77.5°	2.5
80°	1.7
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)