

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: P29418

Luminaire Tested: **9002-W1-FL-LED4080-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29418  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LED4080-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1015.1 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

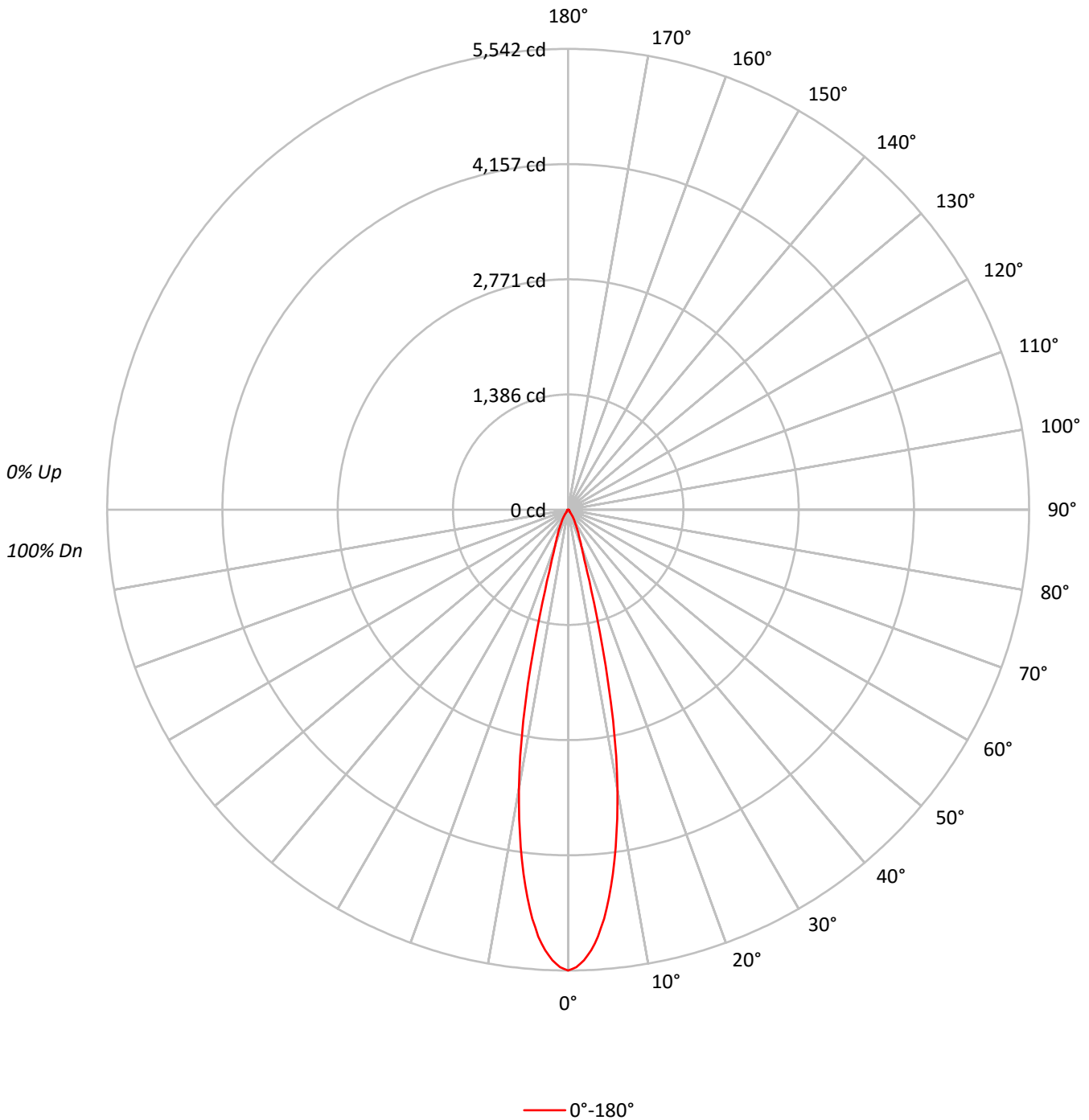
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99	100	98	97	97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90	94	92	89	92	90	88	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82
7	96	90	86	83	95	89	85	82	88	85	82	87	84	82	86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2734309
5°	2445615
10°	1707376
15°	673724
20°	242045
25°	136640
30°	78050
35°	42161
40°	16746
45°	11164
50°	7676
55°	6881
60°	6907
65°	8172
70°	8655
75°	9531
80°	5683
85°	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.7	41.5
10°-20°	396.3	39.0
20°-30°	119.7	11.8
30°-40°	44.2	4.4
40°-50°	12.8	1.3
50°-60°	7.5	0.7
60°-70°	6.8	0.7
70°-80°	4.7	0.5
80°-90°	1.4	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°	937.6	92.4
0°-40°	981.8	96.7
0°-60°	1002.1	98.7
0°-90°	1015.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5542	
5°	4938	422
15°	1319	396
25°	251	120
35°	70	44
45°	16	13
55°	8	7
65°	7	7
75°	5	5
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5542
1°	5503
2°	5422
3°	5305
4°	5146
5°	4938
6°	4690
7°	4414
8°	4101
9°	3766
10°	3408
11°	3018
12°	2592
13°	2146
14°	1708
15°	1319
16°	1008
17°	781
18°	631
19°	531
20°	461
22.5°	339
25°	251
26°	222
27°	197
28°	175
29°	155
30°	137
32.5°	100
35°	70
37.5°	39
40°	26
42.5°	20
45°	16
47.5°	13
50°	10
52.5°	9
55°	8
57.5°	8
60°	7
62.5°	7
65°	7
67.5°	7
70°	6
72.5°	5



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	5
77.5°	4
80°	2
82.5°	2
85°	1
87.5°	1
90°	0

(END OF REPORT)