

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: P29419

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29419  
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-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC,  
WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

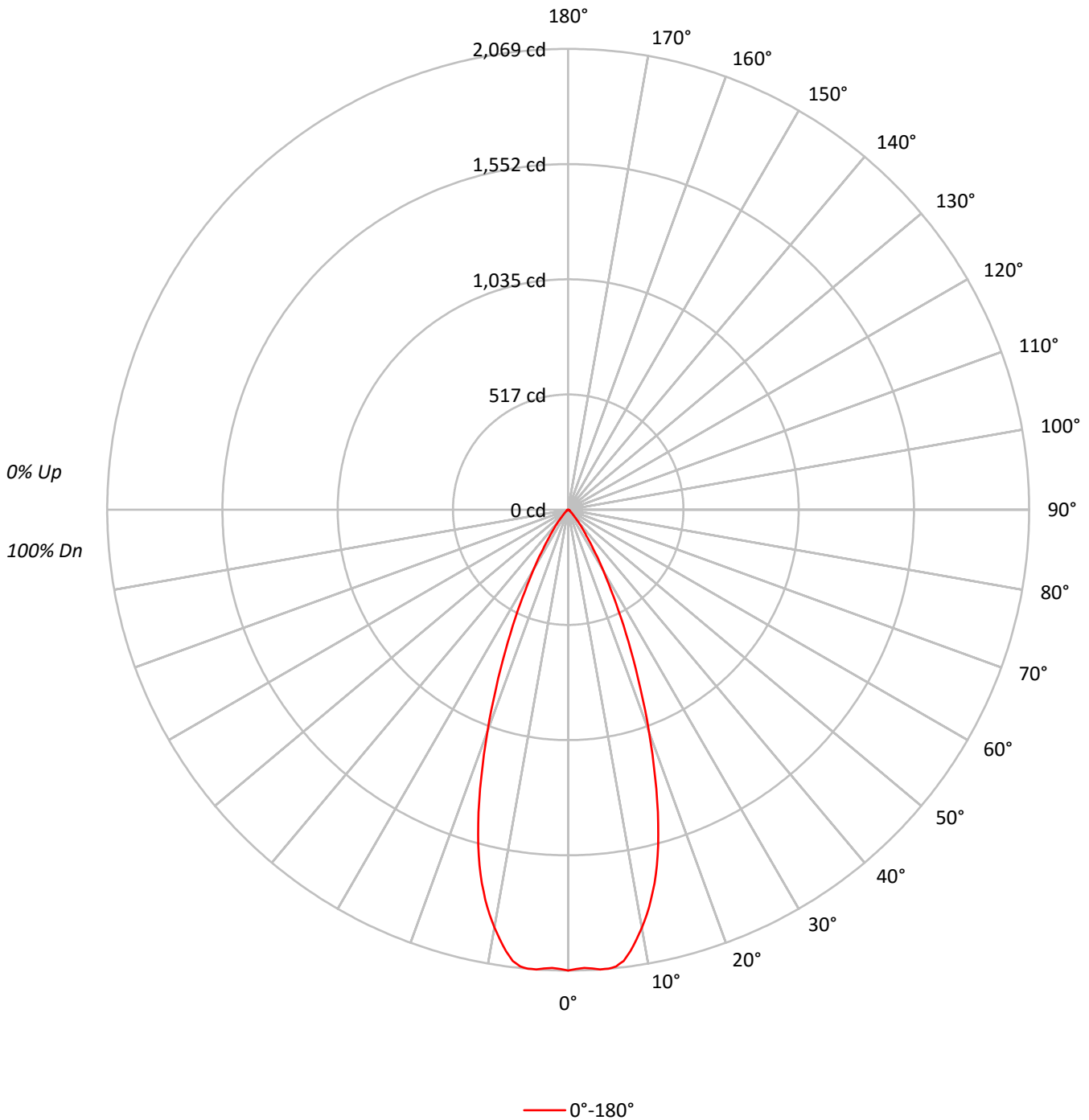
Lumens per Lamp: N/A  
Luminaire Lumens: 1034.7 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87	85	82	81
5	97	89	84	81	95	89	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	81	76	73	88	81	76	72	79	75	72		78	74	72		77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69		75	71	68		74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66		72	68	65		71	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63		70	66	63		69	65	63	61

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

	0°
0°	1020802
5°	1024702
10°	954387
15°	796312
20°	555496
25°	334252
30°	176609
35°	84925
40°	40576
45°	18839
50°	10746
55°	6881
60°	5921
65°	5837
70°	5770
75°	5719
80°	5683
85°	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.5	18.6
10°-20°	420.7	40.7
20°-30°	284.5	27.5
30°-40°	96.4	9.3
40°-50°	23.6	2.3
50°-60°	7.8	0.8
60°-70°	5.2	0.5
70°-80°	3.2	0.3
80°-90°	0.8	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°	897.7	86.8
0°-40°	994.1	96.1
0°-60°	1025.5	99.1
0°-90°	1034.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2069	
5°	2069	193
15°	1559	421
25°	614	285
35°	141	96
45°	27	24
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2069
1°	2062
2°	2059
3°	2063
4°	2069
5°	2069
6°	2062
7°	2041
8°	2002
9°	1956
10°	1905
11°	1851
12°	1789
13°	1722
14°	1646
15°	1559
16°	1466
17°	1366
18°	1262
19°	1162
20°	1058
21°	961
22°	866
23°	776
24°	692
25°	614
26°	541
27°	474
28°	413
29°	359
30°	310
32.5°	210
35°	141
37.5°	95
40°	63
42.5°	40
45°	27
47.5°	19
50°	14
52.5°	10
55°	8
57.5°	7
60°	6
62.5°	6
65°	5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5
70°	4
72.5°	4
75°	3
77.5°	2
80°	2
82.5°	1
85°	1
87.5°	0
90°	0

(END OF REPORT)