

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: P220378

Luminaire Tested: **9002-W1-FL-LED3090-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-LED3090-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 814.4 lumens  
Efficiency: N/A  
Efficacy: 81.4 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

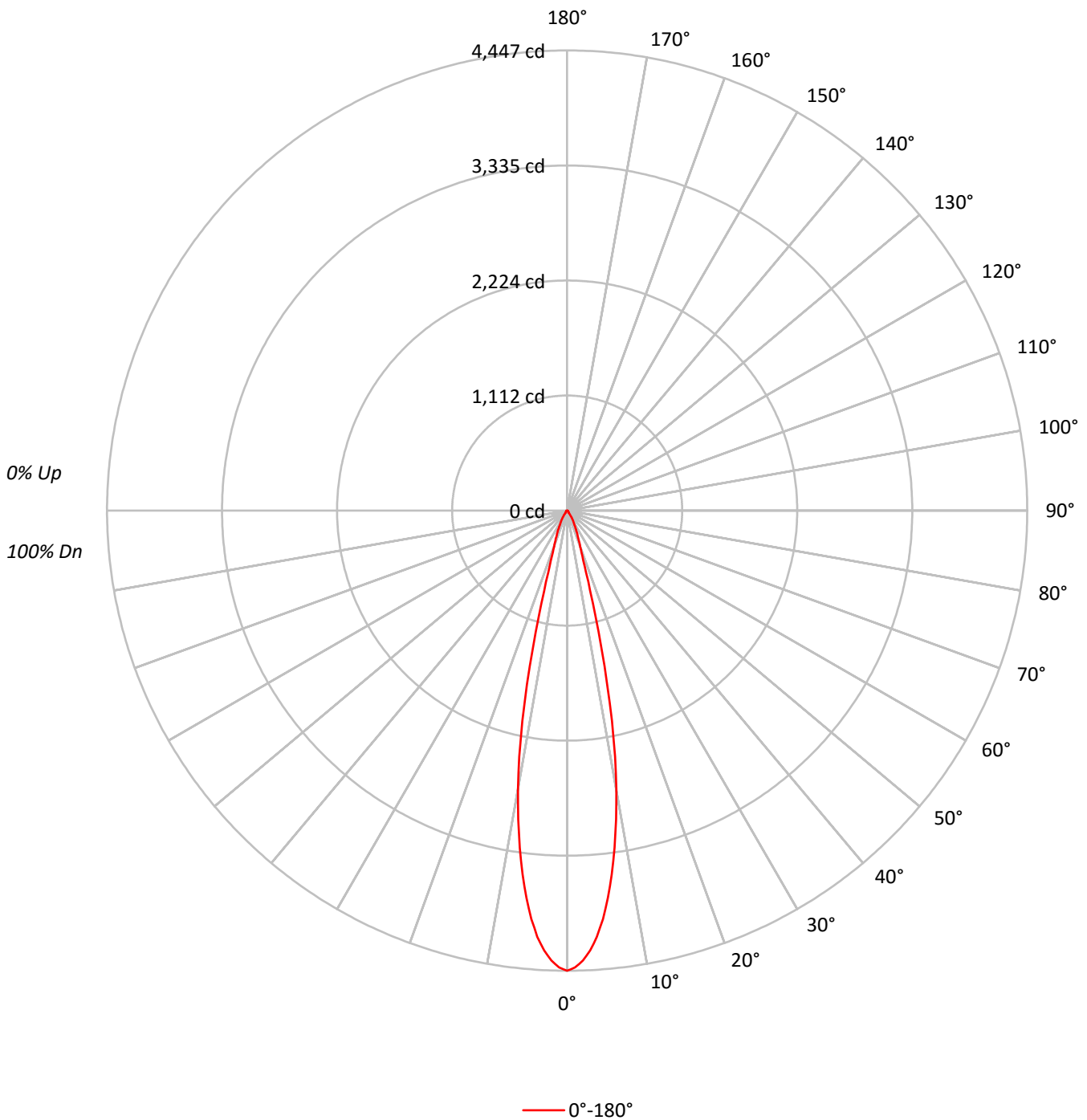
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	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°	2193960
5°	1962286
10°	1369959
15°	540563
20°	194214
25°	109639
30°	62611
35°	33850
40°	13461
45°	8931
50°	6140
55°	5505
60°	5526
65°	6538
70°	6924
75°	7625
80°	4546
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.4	41.5
10°-20°	318.0	39.0
20°-30°	96.0	11.8
30°-40°	35.5	4.4
40°-50°	10.3	1.3
50°-60°	6.0	0.7
60°-70°	5.5	0.7
70°-80°	3.8	0.5
80°-90°	1.1	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°	752.3	92.4
0°-40°	787.8	96.7
0°-60°	804.1	98.7
0°-90°	814.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4447	
5°	3962	338
15°	1058	318
25°	201	96
35°	56	35
45°	13	10
55°	6	6
65°	6	5
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4446.8
1°	4415.5
2°	4350.5
3°	4256.6
4°	4129.0
5°	3962.1
6°	3763.1
7°	3541.7
8°	3290.5
9°	3021.8
10°	2734.5
11°	2421.6
12°	2079.8
13°	1721.9
14°	1370.5
15°	1058.3
16°	808.8
17°	626.7
18°	506.3
19°	426.1
20°	369.9
22.5°	272.0
25°	201.4
26°	178.1
27°	158.1
28°	140.4
29°	124.4
30°	109.9
32.5°	80.2
35°	56.2
37.5°	31.3
40°	20.9
42.5°	16.0
45°	12.8
47.5°	10.4
50°	8.0
52.5°	7.2
55°	6.4
57.5°	6.4
60°	5.6
62.5°	5.6
65°	5.6
67.5°	5.6
70°	4.8
72.5°	4.0



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	4.0
77.5°	3.2
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)