

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: P220377

Luminaire Tested: **9002-W1-FL-LED2790-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220377  
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-LED2790-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 768.9 lumens  
Efficiency: N/A  
Efficacy: 76.9 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

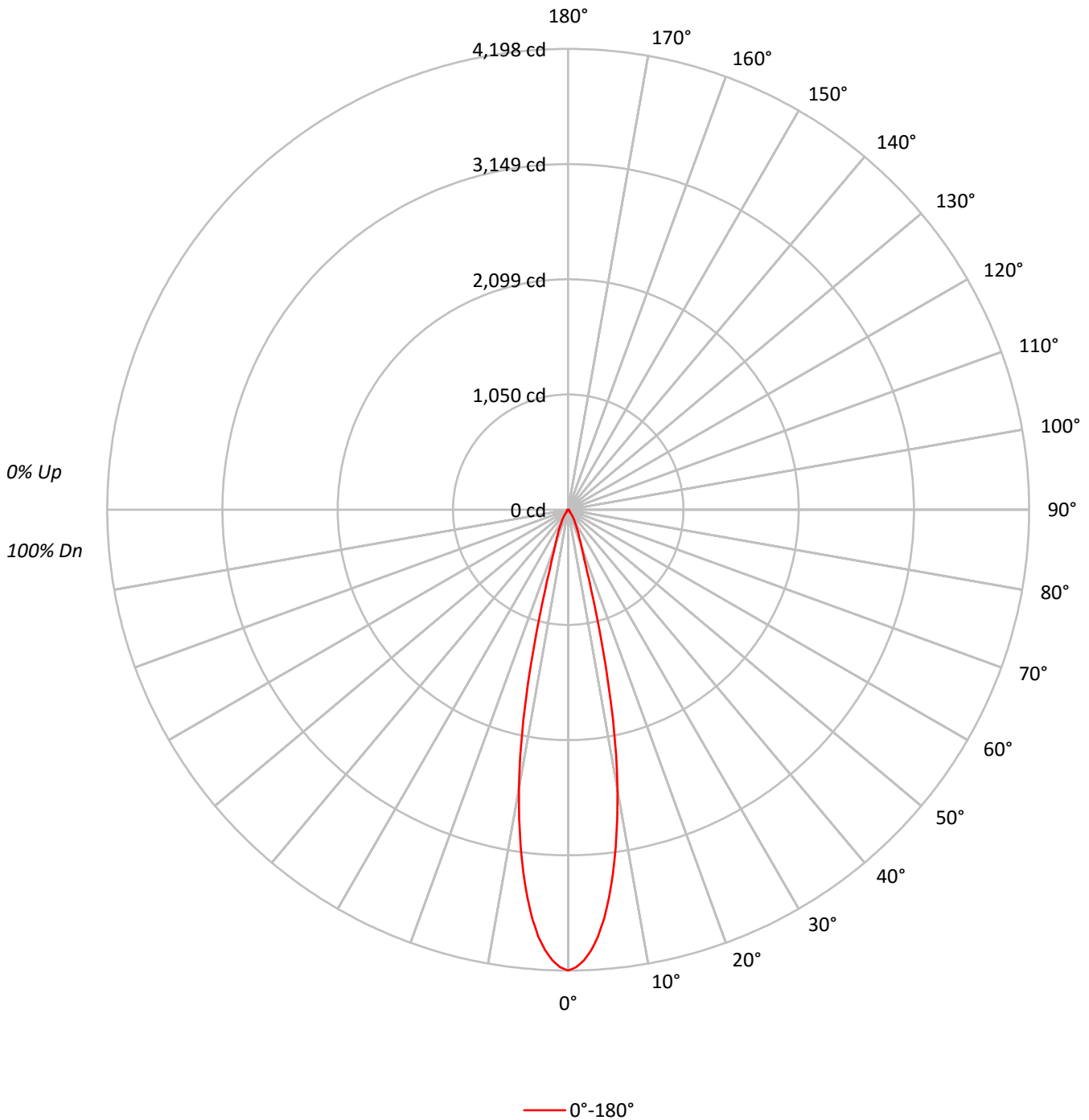
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2071109
5°	1852437
10°	1293257
15°	510324
20°	183345
25°	103487
30°	59135
35°	31922
40°	12688
45°	8443
50°	5833
55°	5247
60°	5230
65°	6187
70°	6491
75°	7244
80°	4262
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.4	41.5
10°-20°	300.1	39.0
20°-30°	90.6	11.8
30°-40°	33.5	4.4
40°-50°	9.7	1.3
50°-60°	5.7	0.7
60°-70°	5.2	0.7
70°-80°	3.6	0.5
80°-90°	1.0	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°	710.2	92.4
0°-40°	743.7	96.7
0°-60°	759.1	98.7
0°-90°	768.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4198	
5°	3740	319
15°	999	300
25°	190	91
35°	53	33
45°	12	10
55°	6	6
65°	5	5
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4197.8
1°	4168.2
2°	4106.9
3°	4018.2
4°	3897.8
5°	3740.3
6°	3552.4
7°	3343.4
8°	3106.3
9°	2852.5
10°	2581.4
11°	2286.0
12°	1963.3
13°	1625.5
14°	1293.7
15°	999.1
16°	763.5
17°	591.6
18°	477.9
19°	402.2
20°	349.2
22.5°	256.8
25°	190.1
26°	168.2
27°	149.2
28°	132.6
29°	117.4
30°	103.8
32.5°	75.7
35°	53.0
37.5°	29.5
40°	19.7
42.5°	15.1
45°	12.1
47.5°	9.8
50°	7.6
52.5°	6.8
55°	6.1
57.5°	6.1
60°	5.3
62.5°	5.3
65°	5.3
67.5°	5.3
70°	4.5
72.5°	3.8



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	3.8
77.5°	3.0
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)