

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: P221352

Luminaire Tested: **9002-W2-FL-LED4080-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221352  
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-W2-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: 2030.2 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: General Diffuse

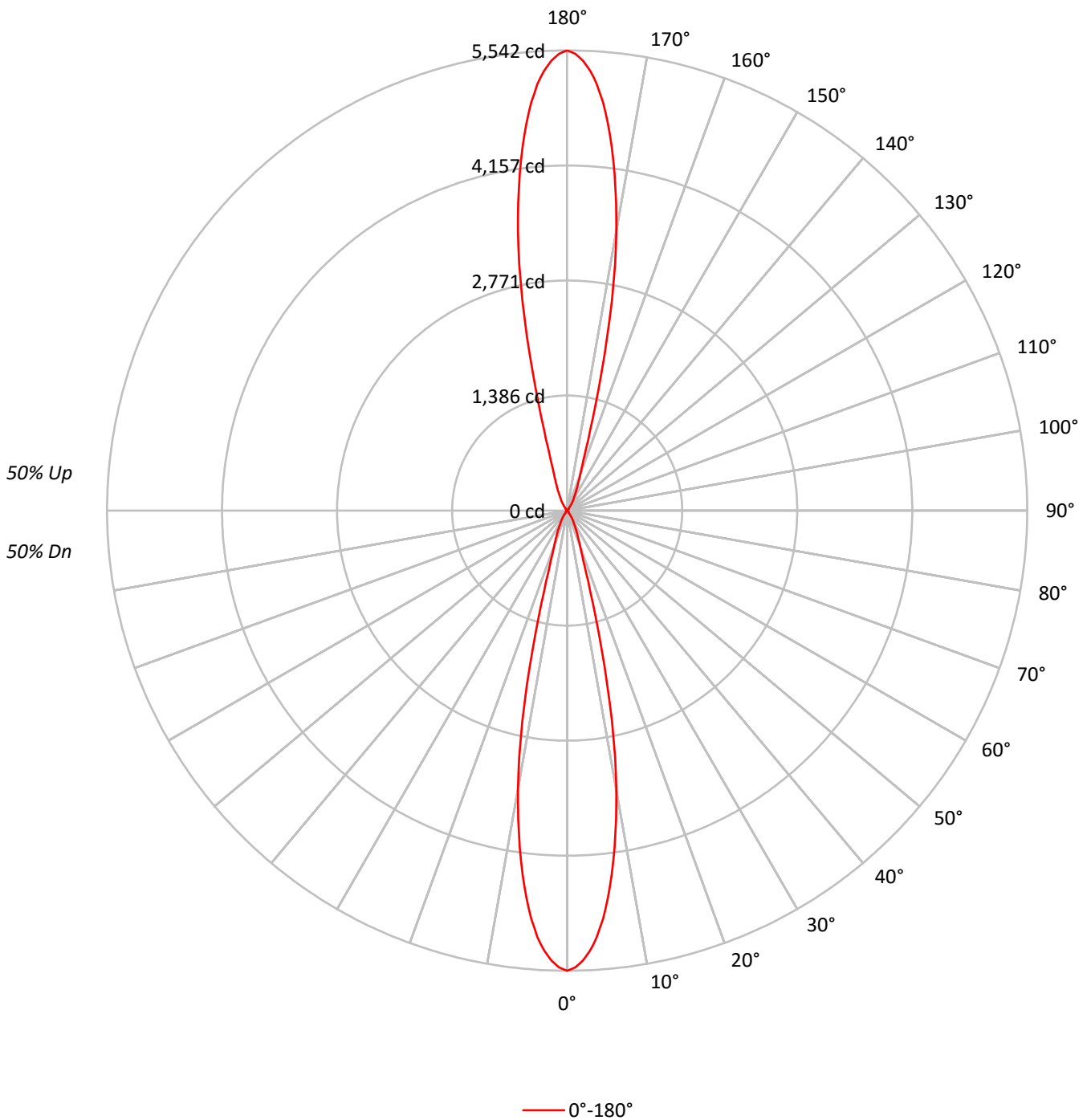
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221352

CATALOG NUMBER: 9002-W2-FL-LED4080-M-WT-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221352

CATALOG NUMBER: 9002-W2-FL-LED4080-M-WT-L1-UNV

**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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	98	95	92	93	91	88	86	77	76	75		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	61	59		52	52	51	47
3	90	83	78	74	83	78	74	70	68	65	63		59	57	56		51	50	49	45
4	85	77	72	67	79	73	68	64	64	61	58		57	54	53		49	48	47	44
5	81	72	67	62	75	68	64	60	61	58	55		54	52	50		48	46	45	42
6	77	68	62	58	72	65	60	56	58	55	52		52	50	48		46	45	44	41
7	73	64	59	55	69	61	56	53	56	52	49		50	48	46		45	44	42	40
8	70	61	56	52	66	58	54	50	53	50	47		49	46	44		44	42	41	39
9	67	58	53	49	64	56	51	48	51	48	45		47	44	43		43	41	40	38
10	65	56	51	47	61	54	49	46	49	46	44		46	43	41		42	40	39	37

**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



TEST NUMBER: P221352

CATALOG NUMBER: 9002-W2-FL-LED4080-M-WT-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.7	20.8
10°-20°	396.3	19.5
20°-30°	119.7	5.9
30°-40°	44.2	2.2
40°-50°	12.8	0.6
50°-60°	7.5	0.4
60°-70°	6.8	0.3
70°-80°	4.7	0.2
80°-90°	1.4	0.1
90°-100°	1.4	0.1
100°-110°	4.7	0.2
110°-120°	6.8	0.3
120°-130°	7.5	0.4
130°-140°	12.8	0.6
140°-150°	44.2	2.2
150°-160°	119.7	5.9
160°-170°	396.3	19.5
170°-180°	421.7	20.8
0°-30°	937.6	46.2
0°-40°	981.8	48.4
0°-60°	1002.1	49.4
0°-90°	1015.1	50.0
90°-120°	12.9	0.6
90°-150°	77.4	3.8
90°-180°	1015.0	50.0
0°-180°	2030.2	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	0
95°	1	1
105°	5	5
115°	7	7
125°	8	7
135°	16	13
145°	70	44
155°	251	120
165°	1319	396
175°	4938	422
180°	5542	



TEST NUMBER: P221352

CATALOG NUMBER: 9002-W2-FL-LED4080-M-WT-L1-UNV

**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



TEST NUMBER: P221352

CATALOG NUMBER: 9002-W2-FL-LED4080-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
75°	5
77.5°	4
80°	2
82.5°	2
85°	1
87.5°	1
90°	0
92.5°	1
95°	1
97.5°	2
100°	2
102.5°	4
105°	5
107.5°	5
110°	6
112.5°	7
115°	7
117.5°	7
120°	7
122.5°	8
125°	8
127.5°	9
130°	10
132.5°	13
135°	16
137.5°	20
140°	26
142.5°	39
145°	70
147.5°	100
150°	137
151°	155
152°	175
153°	197
154°	222
155°	251
157.5°	339
160°	461
161°	531
162°	631
163°	781
164°	1008
165°	1319
166°	1708
167°	2146



TEST NUMBER: P221352

CATALOG NUMBER: 9002-W2-FL-LED4080-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
168°	2592
169°	3018
170°	3408
171°	3766
172°	4101
173°	4414
174°	4690
175°	4938
176°	5146
177°	5305
178°	5422
179°	5503
180°	5542

(END OF REPORT)