

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: P221298

Luminaire Tested: **9002-W2-[RW, RI]-LEDCW-F-WT-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29544)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-[RW, RI]-LEDCW-F-WT-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

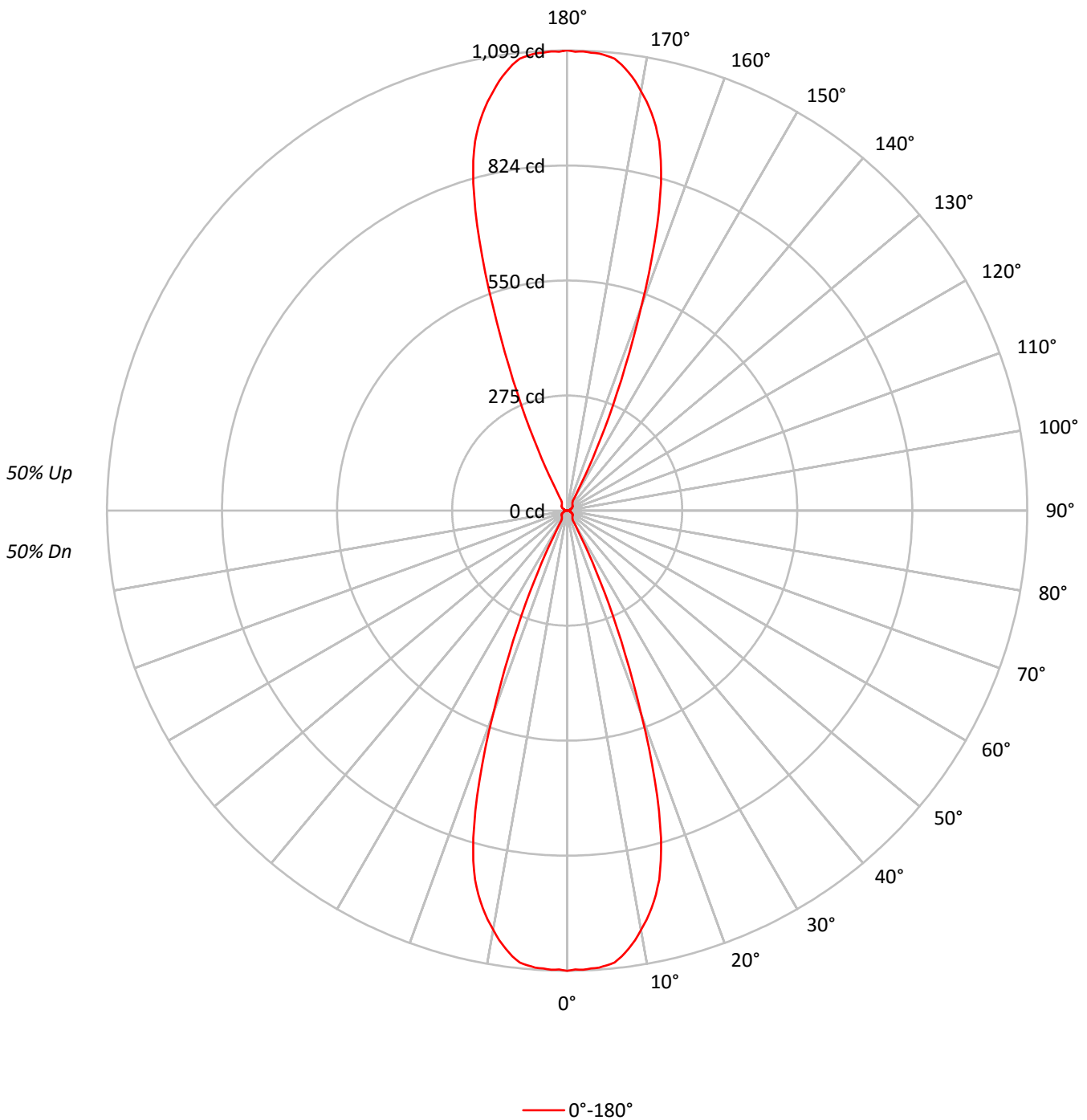
Lumens per Lamp: N/A
Luminaire Lumens: 968.7 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.58
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 28.6
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	91	93	90	87	85	77	75	73	64	63	62	53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	62	60	57	54	53	48	47	46	42
4	83	74	68	64	77	70	65	61	61	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	74	64	58	54	69	61	55	51	54	50	47	48	45	43	43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44	46	43	41	41	39	37	35
8	66	57	51	46	62	54	49	45	49	45	42	44	41	39	39	37	36	34
9	63	54	48	44	59	51	46	42	46	42	40	42	39	37	38	36	34	33
10	60	51	45	41	57	49	43	40	44	40	38	40	37	35	37	35	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	542323
5°	539937
10°	509457
15°	441981
20°	272183
25°	102508
30°	15838
35°	13130
40°	12752
45°	12420
50°	12895
55°	13677
60°	13716
65°	12725
70°	11396
75°	13153
80°	14206
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	10.5
10°-20°	227.5	23.5
20°-30°	92.7	9.6
30°-40°	14.1	1.5
40°-50°	14.0	1.5
50°-60°	13.9	1.4
60°-70°	10.5	1.1
70°-80°	7.2	0.7
80°-90°	2.6	0.3
90°-100°	2.6	0.3
100°-110°	7.2	0.7
110°-120°	10.5	1.1
120°-130°	13.9	1.4
130°-140°	14.0	1.5
140°-150°	14.1	1.5
150°-160°	92.7	9.6
160°-170°	227.5	23.5
170°-180°	101.8	10.5
0°-30°	422.0	43.6
0°-40°	436.1	45.0
0°-60°	464.1	47.9
0°-90°	484.4	50.0
90°-120°	20.3	2.1
90°-150°	62.3	6.4
90°-180°	484.0	50.0
0°-180°	968.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1099	
5°	1090	102
15°	865	228
25°	188	93
35°	22	14
45°	18	14
55°	16	14
65°	11	11
75°	7	7
85°	2	2
90°	0	0
95°	2	2
105°	7	7
115°	11	11
125°	16	14
135°	18	14
145°	22	14
155°	188	93
165°	865	228
175°	1090	102
180°	1099	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1099.2
1°	1096.2
2°	1097.2
3°	1095.2
4°	1094.2
5°	1090.2
6°	1085.3
7°	1072.4
8°	1056.5
9°	1038.7
10°	1016.9
11°	995.1
12°	970.3
13°	941.6
14°	908.9
15°	865.3
16°	813.7
17°	750.3
18°	678.9
19°	599.6
20°	518.4
21°	441.1
22°	369.7
23°	304.3
24°	244.8
25°	188.3
26°	138.8
27°	96.1
28°	62.4
29°	39.6
30°	27.8
32.5°	23.8
35°	21.8
37.5°	20.8
40°	19.8
42.5°	18.8
45°	17.8
47.5°	17.8
50°	16.8
52.5°	15.9
55°	15.9
57.5°	14.9
60°	13.9
62.5°	11.9
65°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.9
70°	7.9
72.5°	7.9
75°	6.9
77.5°	5.9
80°	5.0
82.5°	4.0
85°	2.0
87.5°	1.0
90°	0.0
92.5°	1.0
95°	2.0
97.5°	4.0
100°	5.0
102.5°	5.9
105°	6.9
107.5°	7.9
110°	7.9
112.5°	8.9
115°	10.9
117.5°	11.9
120°	13.9
122.5°	14.9
125°	15.9
127.5°	15.9
130°	16.8
132.5°	17.8
135°	17.8
137.5°	18.8
140°	19.8
142.5°	20.8
145°	21.8
147.5°	23.8
150°	27.8
151°	39.6
152°	62.4
153°	96.1
154°	138.8
155°	188.3
156°	244.8
157°	304.3
158°	369.7
159°	441.1
160°	518.4
161°	599.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	678.9
163°	750.3
164°	813.7
165°	865.3
166°	908.9
167°	941.6
168°	970.3
169°	995.1
170°	1016.9
171°	1038.7
172°	1056.5
173°	1072.4
174°	1085.3
175°	1090.2
176°	1094.2
177°	1095.2
178°	1097.2
179°	1096.2
180°	1099.2

(END OF REPORT)