

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: P221324

Luminaire Tested: **9002-W2-FL-LED3090-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED3090-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1549.3 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

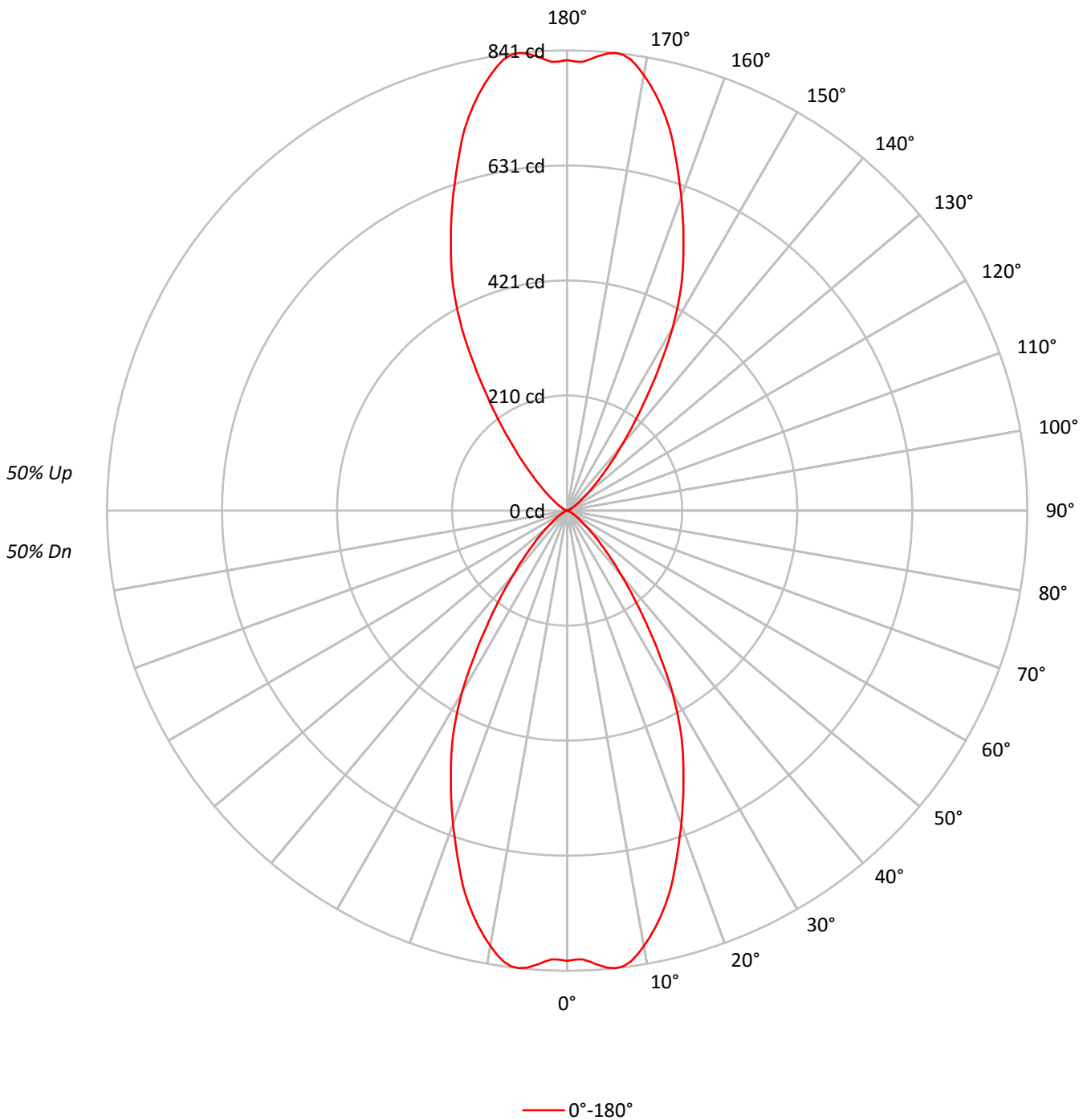
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	96	93	91	92	89	87	84	76	74	73	64	63	62	53	52	52	46				
2	93	87	82	78	86	81	77	73	70	67	64	59	57	55	50	48	47	43				
3	87	79	73	68	80	74	69	64	64	60	57	55	52	50	46	45	43	39				
4	81	72	65	60	75	67	62	57	59	55	51	51	48	45	43	41	40	36				
5	75	66	59	54	70	62	56	51	54	50	46	47	44	41	41	38	37	34				
6	70	60	53	48	66	57	51	46	50	46	42	44	41	38	38	36	34	31				
7	66	55	49	44	61	52	46	42	47	42	39	41	38	35	36	33	32	29				
8	62	51	45	40	58	49	43	39	43	39	35	38	35	32	34	31	29	27				
9	58	48	41	37	55	45	39	35	41	36	33	36	33	30	32	29	28	26				
10	55	44	38	34	52	42	37	33	38	34	30	34	31	28	30	28	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406150
5°	415279
10°	404801
15°	369246
20°	320172
25°	273009
30°	219394
35°	152684
40°	99250
45°	61053
50°	36920
55°	22107
60°	13420
65°	9339
70°	5770
75°	4575
80°	4546
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	5.1
10°-20°	200.1	12.9
20°-30°	228.4	14.7
30°-40°	160.2	10.3
40°-50°	70.7	4.6
50°-60°	24.5	1.6
60°-70°	8.1	0.5
70°-80°	2.8	0.2
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	2.8	0.2
110°-120°	8.1	0.5
120°-130°	24.5	1.6
130°-140°	70.7	4.6
140°-150°	160.2	10.3
150°-160°	228.4	14.7
160°-170°	200.1	12.9
170°-180°	79.2	5.1
0°-30°	507.7	32.8
0°-40°	667.9	43.1
0°-60°	763.0	49.3
0°-90°	774.6	50.0
90°-120°	11.6	0.7
90°-150°	266.9	17.2
90°-180°	775.0	50.0
0°-180°	1549.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	823	
5°	838	79
15°	723	200
25°	502	228
35°	254	160
45°	88	71
55°	26	24
65°	8	8
75°	2	3
85°	1	1
90°	0	0
95°	1	1
105°	2	3
115°	8	8
125°	26	24
135°	88	71
145°	254	160
155°	502	228
165°	723	200
175°	838	79
180°	823	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	823.2
1°	820.8
2°	820.8
3°	826.4
4°	832.9
5°	838.5
6°	840.9
7°	839.3
8°	832.9
9°	821.6
10°	808.0
11°	793.5
12°	777.5
13°	760.6
14°	742.2
15°	722.9
16°	700.5
17°	677.2
18°	653.9
19°	631.5
20°	609.8
21°	587.3
22°	565.7
23°	544.0
24°	522.3
25°	501.5
26°	480.6
27°	459.0
28°	434.9
29°	410.0
30°	385.1
32.5°	316.1
35°	253.5
37.5°	199.0
40°	154.1
42.5°	117.1
45°	87.5
47.5°	65.0
50°	48.1
52.5°	35.3
55°	25.7
57.5°	18.5
60°	13.6
62.5°	10.4
65°	8.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.6
70°	4.0
72.5°	3.2
75°	2.4
77.5°	2.4
80°	1.6
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	1.6
102.5°	2.4
105°	2.4
107.5°	3.2
110°	4.0
112.5°	5.6
115°	8.0
117.5°	10.4
120°	13.6
122.5°	18.5
125°	25.7
127.5°	35.3
130°	48.1
132.5°	65.0
135°	87.5
137.5°	117.1
140°	154.1
142.5°	199.0
145°	253.5
147.5°	316.1
150°	385.1
151°	410.0
152°	434.9
153°	459.0
154°	480.6
155°	501.5
156°	522.3
157°	544.0
158°	565.7
159°	587.3
160°	609.8
161°	631.5



TEST NUMBER: P221324

CATALOG NUMBER: 9002-W2-FL-LED3090-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	653.9
163°	677.2
164°	700.5
165°	722.9
166°	742.2
167°	760.6
168°	777.5
169°	793.5
170°	808.0
171°	821.6
172°	832.9
173°	839.3
174°	840.9
175°	838.5
176°	832.9
177°	826.4
178°	820.8
179°	820.8
180°	823.2

(END OF REPORT)