

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: P222012

Luminaire Tested: **9004-W2-FL-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1851.5 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

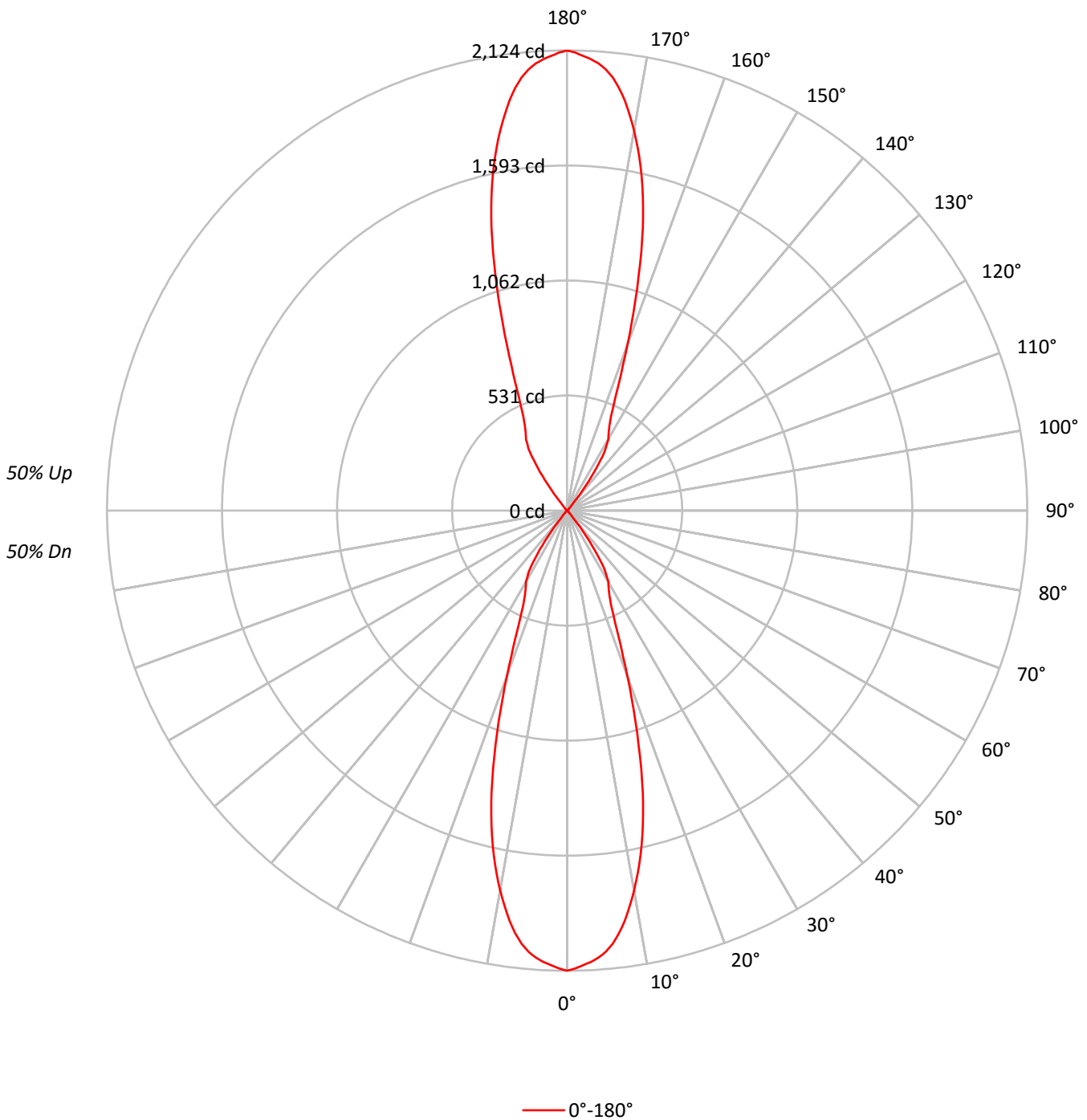
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	44	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	261924
5°	253094
10°	223005
15°	172199
20°	106900
25°	65204
30°	54080
35°	33007
40°	5587
45°	2041
50°	441
55°	215
60°	173
65°	204
70°	108
75°	143
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	10.1
10°-20°	361.1	19.5
20°-30°	235.2	12.7
30°-40°	130.6	7.1
40°-50°	10.2	0.6
50°-60°	1.1	0.1
60°-70°	0.6	0.0
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	0.6	0.0
120°-130°	1.1	0.1
130°-140°	10.2	0.6
140°-150°	130.6	7.1
150°-160°	235.2	12.7
160°-170°	361.1	19.5
170°-180°	186.7	10.1
0°-30°	783.0	42.3
0°-40°	913.6	49.3
0°-60°	924.8	50.0
0°-90°	925.8	50.0
90°-120°	0.9	0.0
90°-150°	142.8	7.7
90°-180°	926.0	50.0
0°-180°	1851.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2124	
5°	2044	187
15°	1348	361
25°	479	235
35°	219	131
45°	12	10
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	1	1
135°	12	10
145°	219	131
155°	479	235
165°	1348	361
175°	2044	187
180°	2124	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2123.5
1°	2114.2
2°	2100.5
3°	2086.1
4°	2069.1
5°	2044.1
6°	2010.4
7°	1966.0
8°	1911.0
9°	1847.9
10°	1780.5
11°	1707.2
12°	1627.4
13°	1542.0
14°	1447.9
15°	1348.5
16°	1240.4
17°	1127.6
18°	1020.9
19°	913.5
20°	814.4
21°	721.0
22°	639.9
23°	572.2
24°	519.5
25°	479.1
26°	449.7
27°	426.4
28°	408.0
29°	393.3
30°	379.7
32.5°	321.9
35°	219.2
37.5°	112.4
40°	34.7
42.5°	16.7
45°	11.7
47.5°	7.3
50°	2.3
52.5°	1.3
55°	1.0
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.3
105°	0.3
107.5°	0.3
110°	0.3
112.5°	0.7
115°	0.7
117.5°	0.7
120°	0.7
122.5°	1.0
125°	1.0
127.5°	1.3
130°	2.3
132.5°	7.3
135°	11.7
137.5°	16.7
140°	34.7
142.5°	112.4
145°	219.2
147.5°	321.9
150°	379.7
151°	393.3
152°	408.0
153°	426.4
154°	449.7
155°	479.1
156°	519.5
157°	572.2
158°	639.9
159°	721.0
160°	814.4
161°	913.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	1020.9
163°	1127.6
164°	1240.4
165°	1348.5
166°	1447.9
167°	1542.0
168°	1627.4
169°	1707.2
170°	1780.5
171°	1847.9
172°	1911.0
173°	1966.0
174°	2010.4
175°	2044.1
176°	2069.1
177°	2086.1
178°	2100.5
179°	2114.2
180°	2123.5

(END OF REPORT)