

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: P222024

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29496)
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-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1869.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

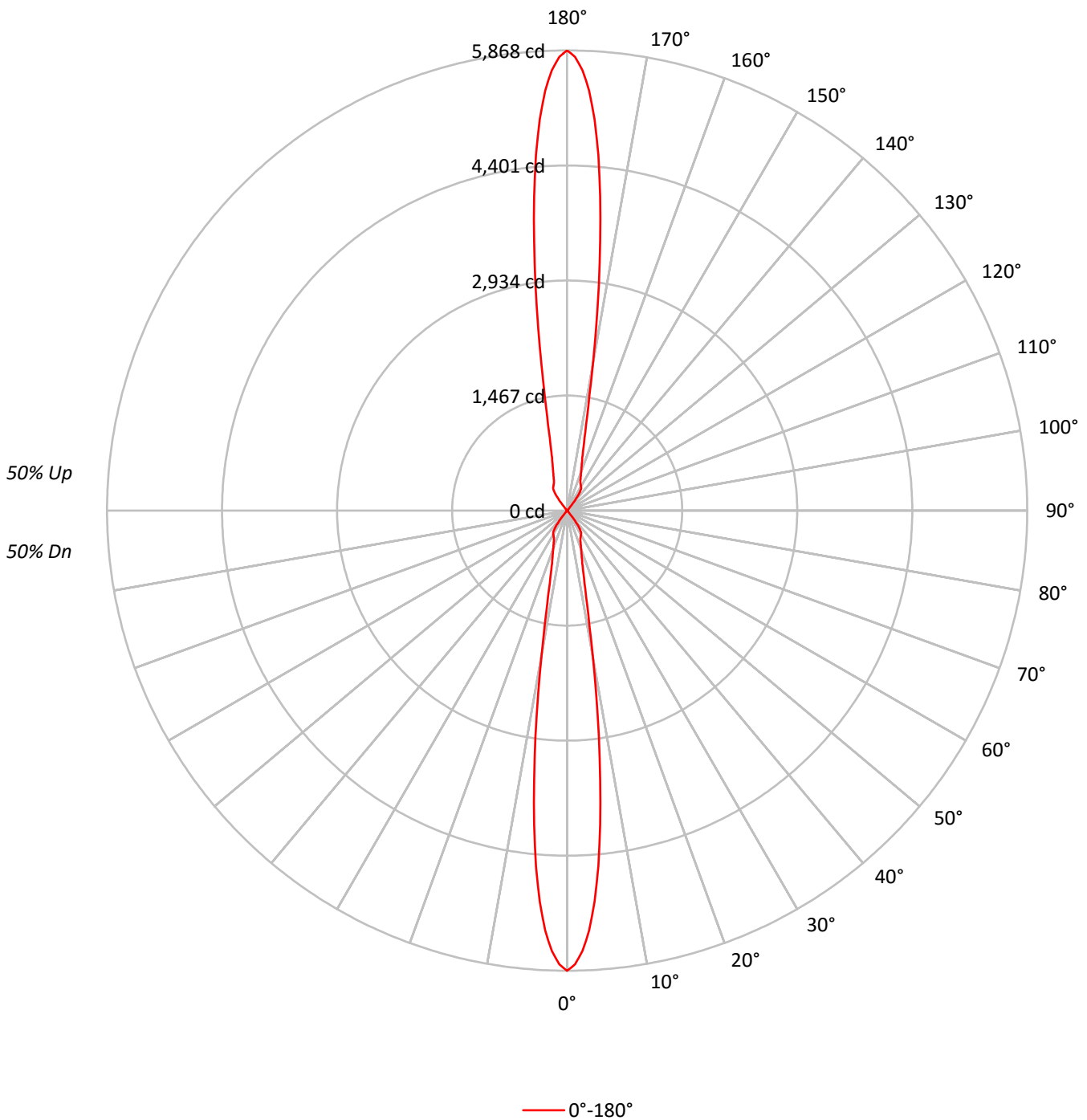
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	58	52	51	50	46				
3	89	82	77	73	83	77	72	69	67	64	62	58	56	54	50	49	48	44				
4	84	76	70	66	78	72	67	63	63	60	57	55	53	51	48	46	45	42				
5	79	71	65	60	74	67	62	58	59	56	53	53	50	48	46	44	43	40				
6	75	66	60	56	70	63	58	54	56	52	49	50	47	45	44	43	41	39				
7	71	62	56	52	67	59	54	50	53	49	47	48	45	43	43	41	40	37				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	41	39	38	36				
9	65	56	50	46	61	53	48	45	48	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	723841
5°	563441
10°	234665
15°	99220
20°	68099
25°	54343
30°	50220
35°	41093
40°	8647
45°	1971
50°	710
55°	581
60°	321
65°	204
70°	108
75°	143
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.0	18.3
10°-20°	239.7	12.8
20°-30°	188.9	10.1
30°-40°	148.7	8.0
40°-50°	12.0	0.6
50°-60°	2.3	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°	2.3	0.1
130°-140°	12.0	0.6
140°-150°	148.7	8.0
150°-160°	188.9	10.1
160°-170°	239.7	12.8
170°-180°	342.0	18.3
0°-30°	770.6	41.2
0°-40°	919.3	49.2
0°-60°	933.6	50.0
0°-90°	934.5	50.0
90°-120°	0.9	0.0
90°-150°	163.9	8.8
90°-180°	935.0	50.0
0°-180°	1869.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5868	
5°	4551	342
15°	777	240
25°	399	189
35°	273	149
45°	11	12
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	11	12
145°	273	149
155°	399	189
165°	777	240
175°	4551	342
180°	5868	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5868.4
1°	5787.7
2°	5619.9
3°	5359.6
4°	5003.7
5°	4550.6
6°	4027.5
7°	3462.3
8°	2907.9
9°	2349.7
10°	1873.6
11°	1493.6
12°	1218.1
13°	1022.9
14°	881.4
15°	777.0
16°	698.6
17°	641.2
18°	597.5
19°	555.8
20°	518.8
21°	488.1
22°	460.7
23°	436.7
24°	415.7
25°	399.3
26°	387.0
27°	377.7
28°	368.7
29°	360.6
30°	352.6
32.5°	332.6
35°	272.9
37.5°	162.8
40°	53.7
42.5°	16.0
45°	11.3
47.5°	8.0
50°	3.7
52.5°	3.3
55°	2.7
57.5°	2.0
60°	1.3
62.5°	0.7
65°	0.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
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°	0.3
115°	0.7
117.5°	0.7
120°	1.3
122.5°	2.0
125°	2.7
127.5°	3.3
130°	3.7
132.5°	8.0
135°	11.3
137.5°	16.0
140°	53.7
142.5°	162.8
145°	272.9
147.5°	332.6
150°	352.6
151°	360.6
152°	368.7
153°	377.7
154°	387.0
155°	399.3
156°	415.7
157°	436.7
158°	460.7
159°	488.1
160°	518.8
161°	555.8



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CATALOG NUMBER: 9004-W2-FL-LED3090-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	597.5
163°	641.2
164°	698.6
165°	777.0
166°	881.4
167°	1022.9
168°	1218.1
169°	1493.6
170°	1873.6
171°	2349.7
172°	2907.9
173°	3462.3
174°	4027.5
175°	4550.6
176°	5003.7
177°	5359.6
178°	5619.9
179°	5787.7
180°	5868.4

(END OF REPORT)