

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: P222163

Luminaire Tested: **9004-W2-FL-LED5080-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222163  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-FL-LED5080-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4532.4 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

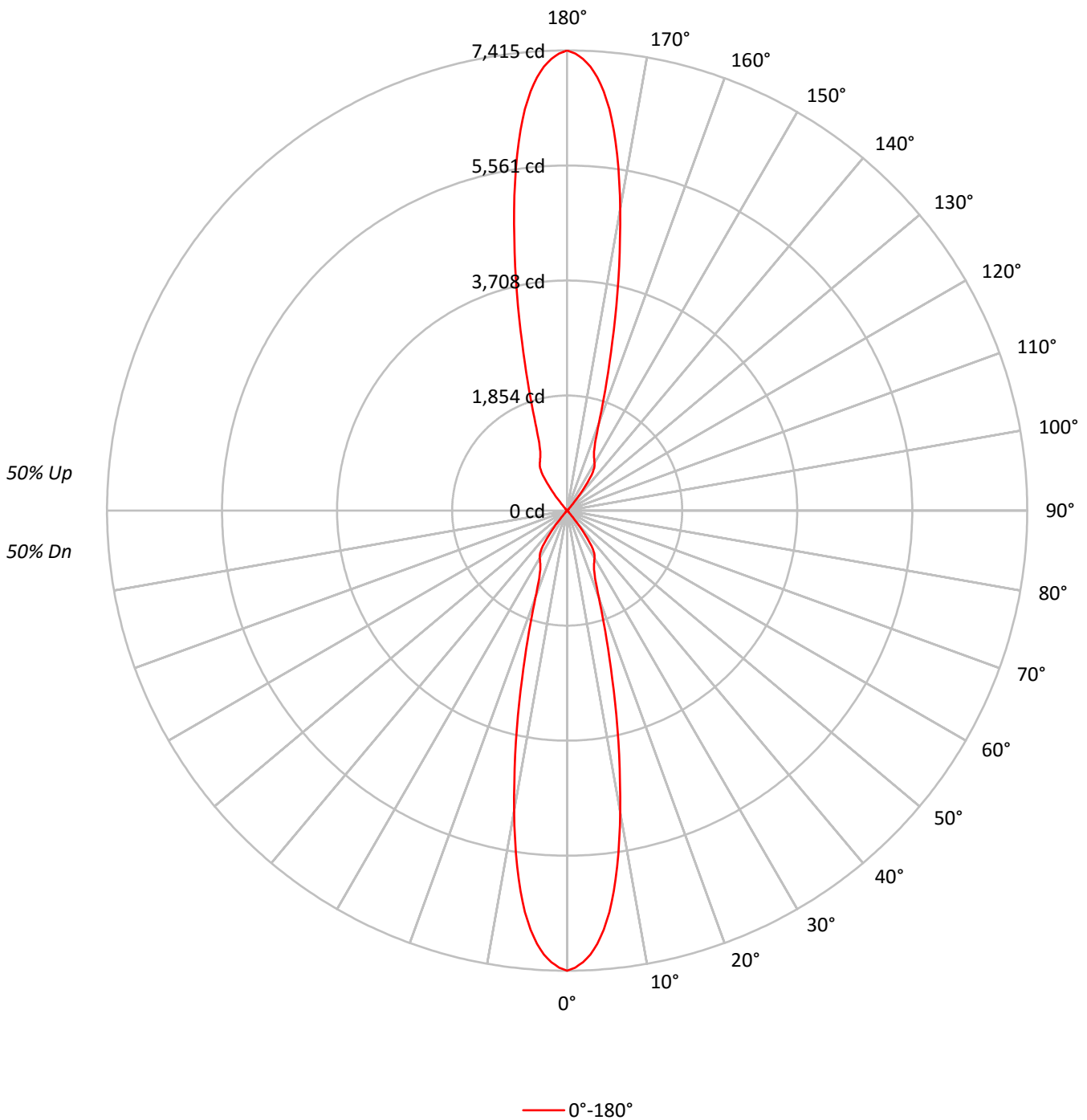
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	94	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	84	81	87	83	79	76	72	69	67		61	59	58		52	51	50	45
3	89	82	76	72	82	76	72	68	67	63	61		58	56	54		49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56		55	52	50		47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52		52	49	47		45	43	42	39
6	74	65	59	55	70	62	56	52	55	51	48		49	46	44		43	41	40	38
7	70	61	55	51	66	58	53	49	52	48	45		47	44	42		42	40	38	36
8	67	57	51	47	63	55	49	46	49	45	42		45	42	39		40	38	36	34
9	64	54	48	44	60	52	46	43	47	43	40		43	40	38		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	914571
5°	839230
10°	616636
15°	358994
20°	195764
25°	139145
30°	125393
35°	98764
40°	21947
45°	6018
50°	1996
55°	1204
60°	789
65°	467
70°	289
75°	381
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	587.2	13.0
10°-20°	783.6	17.3
20°-30°	490.1	10.8
30°-40°	363.5	8.0
40°-50°	33.9	0.7
50°-60°	5.4	0.1
60°-70°	1.9	0.0
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	1.9	0.0
120°-130°	5.4	0.1
130°-140°	33.9	0.7
140°-150°	363.5	8.0
150°-160°	490.1	10.8
160°-170°	783.6	17.3
170°-180°	587.2	13.0
0°-30°	1860.8	41.1
0°-40°	2224.3	49.1
0°-60°	2263.6	49.9
0°-90°	2266.2	50.0
90°-120°	2.6	0.1
90°-150°	405.4	8.9
90°-180°	2266.0	50.0
0°-180°	4532.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7415	
5°	6778	587
15°	2811	784
25°	1022	490
35°	656	363
45°	34	34
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	6	5
135°	34	34
145°	656	363
155°	1022	490
165°	2811	784
175°	6778	587
180°	7415	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7414.7
1°	7365.8
2°	7282.4
3°	7162.1
4°	6996.9
5°	6778.0
6°	6506.2
7°	6178.2
8°	5795.7
9°	5369.2
10°	4923.3
11°	4467.1
12°	4025.3
13°	3594.7
14°	3185.7
15°	2811.3
16°	2470.5
17°	2173.0
18°	1906.0
19°	1679.9
20°	1491.4
21°	1342.3
22°	1222.8
23°	1134.6
24°	1069.7
25°	1022.4
26°	987.1
27°	956.6
28°	928.5
29°	904.5
30°	880.4
32.5°	813.9
35°	655.9
37.5°	396.9
40°	136.3
42.5°	47.3
45°	34.5
47.5°	24.9
50°	10.4
52.5°	8.0
55°	5.6
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	1.6
115°	1.6
117.5°	2.4
120°	3.2
122.5°	4.0
125°	5.6
127.5°	8.0
130°	10.4
132.5°	24.9
135°	34.5
137.5°	47.3
140°	136.3
142.5°	396.9
145°	655.9
147.5°	813.9
150°	880.4
151°	904.5
152°	928.5
153°	956.6
154°	987.1
155°	1022.4
156°	1069.7
157°	1134.6
158°	1222.8
159°	1342.3
160°	1491.4
161°	1679.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1906.0
163°	2173.0
164°	2470.5
165°	2811.3
166°	3185.7
167°	3594.7
168°	4025.3
169°	4467.1
170°	4923.3
171°	5369.2
172°	5795.7
173°	6178.2
174°	6506.2
175°	6778.0
176°	6996.9
177°	7162.1
178°	7282.4
179°	7365.8
180°	7414.7

(END OF REPORT)