

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: P221686

Luminaire Tested: **9003-W2-FL-LED5080-M-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED5080-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3372.3 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

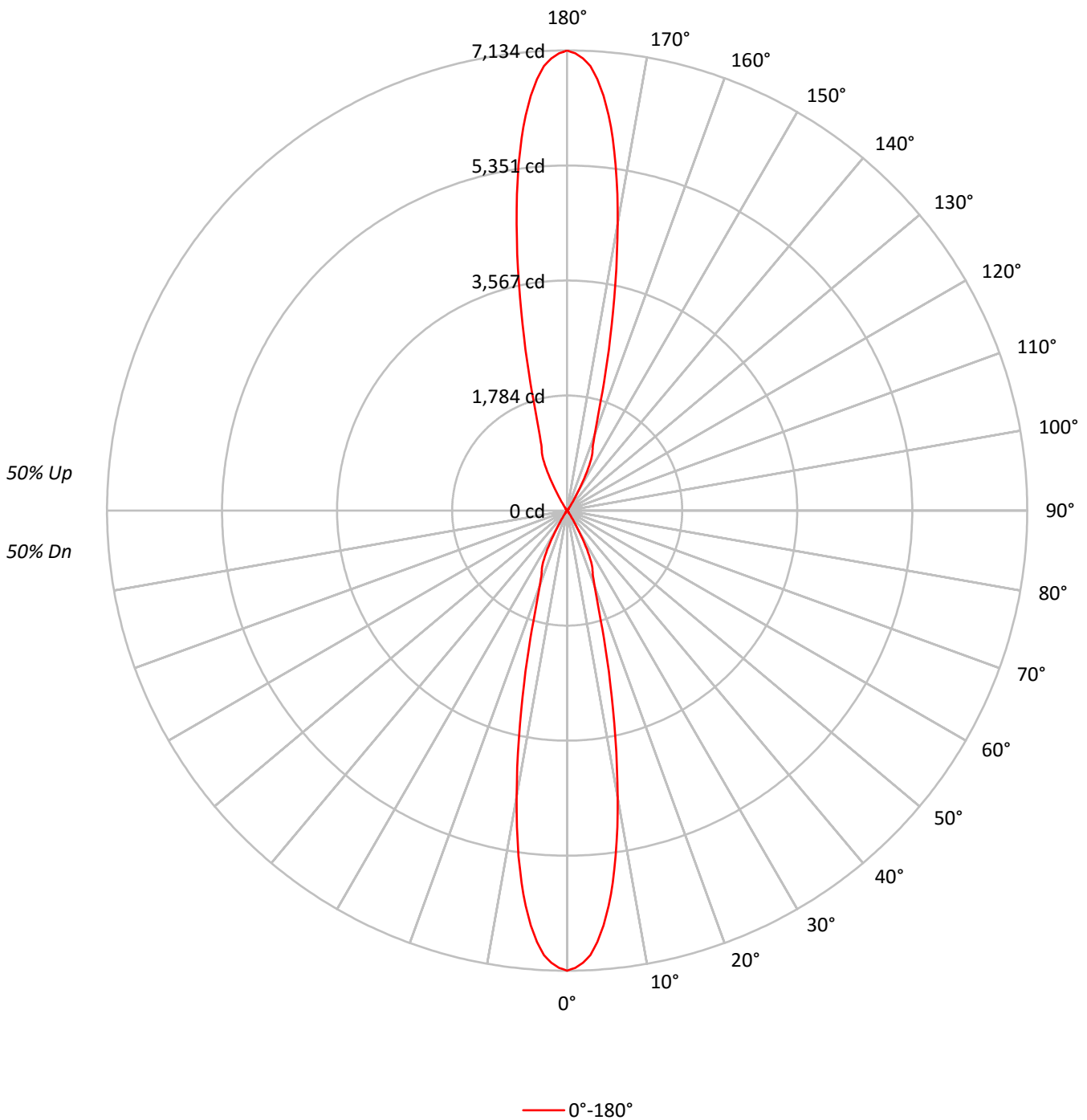
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	95	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46				
3	89	83	78	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45				
4	85	77	71	67	79	72	68	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	62	75	68	63	59	60	57	54	54	51	49	47	46	44	42				
6	76	67	61	57	71	64	59	55	57	54	51	51	49	47	46	44	43	40				
7	72	63	58	54	68	60	55	52	55	51	48	49	47	45	44	42	41	39				
8	69	60	54	50	65	57	52	49	52	48	46	47	45	43	43	41	40	38				
9	66	57	51	48	62	55	50	46	50	46	44	46	43	41	41	40	38	37				
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	36				

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

	0°
0°	1564283
5°	1421392
10°	1004568
15°	542886
20°	288705
25°	212383
30°	85760
35°	16410
40°	8616
45°	3876
50°	3173
55°	2791
60°	2281
65°	2179
70°	1988
75°	1779
80°	1263
85°	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	553.3	16.4
10°-20°	675.0	20.0
20°-30°	371.5	11.0
30°-40°	61.6	1.8
40°-50°	11.3	0.3
50°-60°	6.5	0.2
60°-70°	4.1	0.1
70°-80°	2.2	0.1
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	2.2	0.1
110°-120°	4.1	0.1
120°-130°	6.5	0.2
130°-140°	11.3	0.3
140°-150°	61.6	1.8
150°-160°	371.5	11.0
160°-170°	675.0	20.0
170°-180°	553.3	16.4
0°-30°	1599.7	47.4
0°-40°	1661.4	49.3
0°-60°	1679.2	49.8
0°-90°	1686.1	50.0
90°-120°	7.0	0.2
90°-150°	86.4	2.6
90°-180°	1686.0	50.0
0°-180°	3372.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7134	
5°	6457	553
15°	2391	675
25°	878	372
35°	61	62
45°	12	11
55°	7	6
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	7	6
135°	12	11
145°	61	62
155°	878	372
165°	2391	675
175°	6457	553
180°	7134	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7133.7
1°	7090.0
2°	7016.3
3°	6899.9
4°	6702.5
5°	6457.4
6°	6161.3
7°	5809.1
8°	5408.2
9°	4968.7
10°	4511.6
11°	4050.4
12°	3597.5
13°	3164.3
14°	2764.3
15°	2391.4
16°	2069.4
17°	1779.5
18°	1553.1
19°	1372.3
20°	1237.2
21°	1134.4
22°	1059.6
23°	1006.6
24°	953.6
25°	877.8
26°	783.3
27°	677.3
28°	562.0
29°	448.8
30°	338.7
32.5°	122.6
35°	61.3
37.5°	43.6
40°	30.1
42.5°	15.6
45°	12.5
47.5°	11.4
50°	9.3
52.5°	8.3
55°	7.3
57.5°	6.2
60°	5.2
62.5°	5.2
65°	4.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.1
70°	3.1
72.5°	2.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	2.1
105°	2.1
107.5°	2.1
110°	3.1
112.5°	3.1
115°	4.2
117.5°	5.2
120°	5.2
122.5°	6.2
125°	7.3
127.5°	8.3
130°	9.3
132.5°	11.4
135°	12.5
137.5°	15.6
140°	30.1
142.5°	43.6
145°	61.3
147.5°	122.6
150°	338.7
151°	448.8
152°	562.0
153°	677.3
154°	783.3
155°	877.8
156°	953.6
157°	1006.6
158°	1059.6
159°	1134.4
160°	1237.2
161°	1372.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1553.1
163°	1779.5
164°	2069.4
165°	2391.4
166°	2764.3
167°	3164.3
168°	3597.5
169°	4050.4
170°	4511.6
171°	4968.7
172°	5408.2
173°	5809.1
174°	6161.3
175°	6457.4
176°	6702.5
177°	6899.9
178°	7016.3
179°	7090.0
180°	7133.7

(END OF REPORT)