

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: P221418

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221418  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-[RW, RI]-LED3090-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2600.0 lumens  
Efficiency: N/A  
Efficacy: 64.7 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

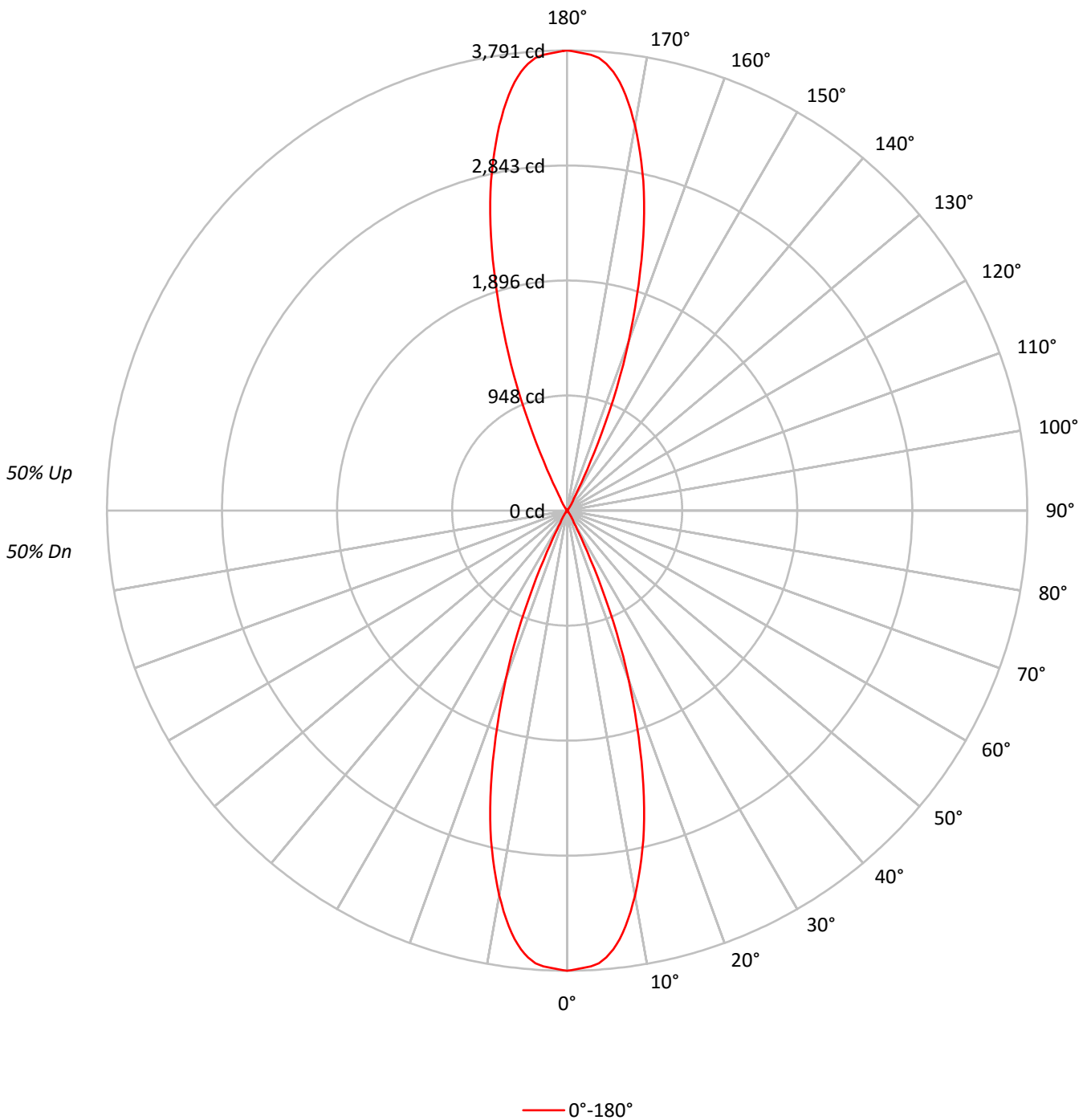
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	74	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	77	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45				
4	84	77	71	67	79	72	67	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	61	75	68	63	59	60	57	54	53	51	49	47	45	44	41				
6	76	67	61	57	71	64	59	55	57	53	51	51	48	46	45	44	42	40				
7	72	63	57	53	68	60	55	51	54	51	48	49	46	44	44	42	41	39				
8	69	60	54	50	65	57	52	48	52	48	45	47	44	42	42	41	39	37				
9	66	57	51	47	62	54	49	46	50	46	43	45	42	41	41	39	38	36				
10	63	54	48	45	60	52	47	44	47	44	41	44	41	39	40	38	37	35				

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

	0°
0°	831249
5°	813337
10°	716843
15°	553851
20°	343963
25°	127435
30°	26662
35°	10038
40°	3664
45°	2481
50°	2183
55°	1835
60°	1403
65°	830
70°	513
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.4	13.0
10°-20°	654.7	25.2
20°-30°	266.7	10.3
30°-40°	28.2	1.1
40°-50°	6.6	0.3
50°-60°	4.3	0.2
60°-70°	1.9	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	1.9	0.1
120°-130°	4.3	0.2
130°-140°	6.6	0.3
140°-150°	28.2	1.1
150°-160°	266.7	10.3
160°-170°	654.7	25.2
170°-180°	337.4	13.0
0°-30°	1258.8	48.4
0°-40°	1286.9	49.5
0°-60°	1297.8	49.9
0°-90°	1300.0	50.0
90°-120°	2.4	0.1
90°-150°	41.4	1.6
90°-180°	1300.0	50.0
0°-180°	2600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3791	
5°	3695	337
15°	2440	655
25°	527	267
35°	38	28
45°	8	7
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	5	4
135°	8	7
145°	38	28
155°	527	267
165°	2440	655
175°	3695	337
180°	3791	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3790.8
1°	3781.2
2°	3770.1
3°	3759.7
4°	3738.9
5°	3695.0
6°	3635.2
7°	3557.0
8°	3457.2
9°	3343.9
10°	3219.4
11°	3082.9
12°	2937.7
13°	2786.0
14°	2620.0
15°	2439.7
16°	2256.1
17°	2052.6
18°	1862.7
19°	1664.8
20°	1474.0
21°	1288.1
22°	1091.0
23°	889.8
24°	699.1
25°	526.7
26°	377.5
27°	257.0
28°	170.0
29°	126.1
30°	105.3
32.5°	69.4
35°	37.5
37.5°	20.7
40°	12.8
42.5°	9.6
45°	8.0
47.5°	7.2
50°	6.4
52.5°	5.6
55°	4.8
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°	0.0
77.5°	0.0
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°	0.0
105°	0.0
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°	4.8
127.5°	5.6
130°	6.4
132.5°	7.2
135°	8.0
137.5°	9.6
140°	12.8
142.5°	20.7
145°	37.5
147.5°	69.4
150°	105.3
151°	126.1
152°	170.0
153°	257.0
154°	377.5
155°	526.7
156°	699.1
157°	889.8
158°	1091.0
159°	1288.1
160°	1474.0
161°	1664.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1862.7
163°	2052.6
164°	2256.1
165°	2439.7
166°	2620.0
167°	2786.0
168°	2937.7
169°	3082.9
170°	3219.4
171°	3343.9
172°	3457.2
173°	3557.0
174°	3635.2
175°	3695.0
176°	3738.9
177°	3759.7
178°	3770.1
179°	3781.2
180°	3790.8

(END OF REPORT)