

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: P221586

Luminaire Tested: **9003-W2-FL-LED3090-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221586  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED3090-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH 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: 2852.5 lumens  
Efficiency: N/A  
Efficacy: 71.0 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

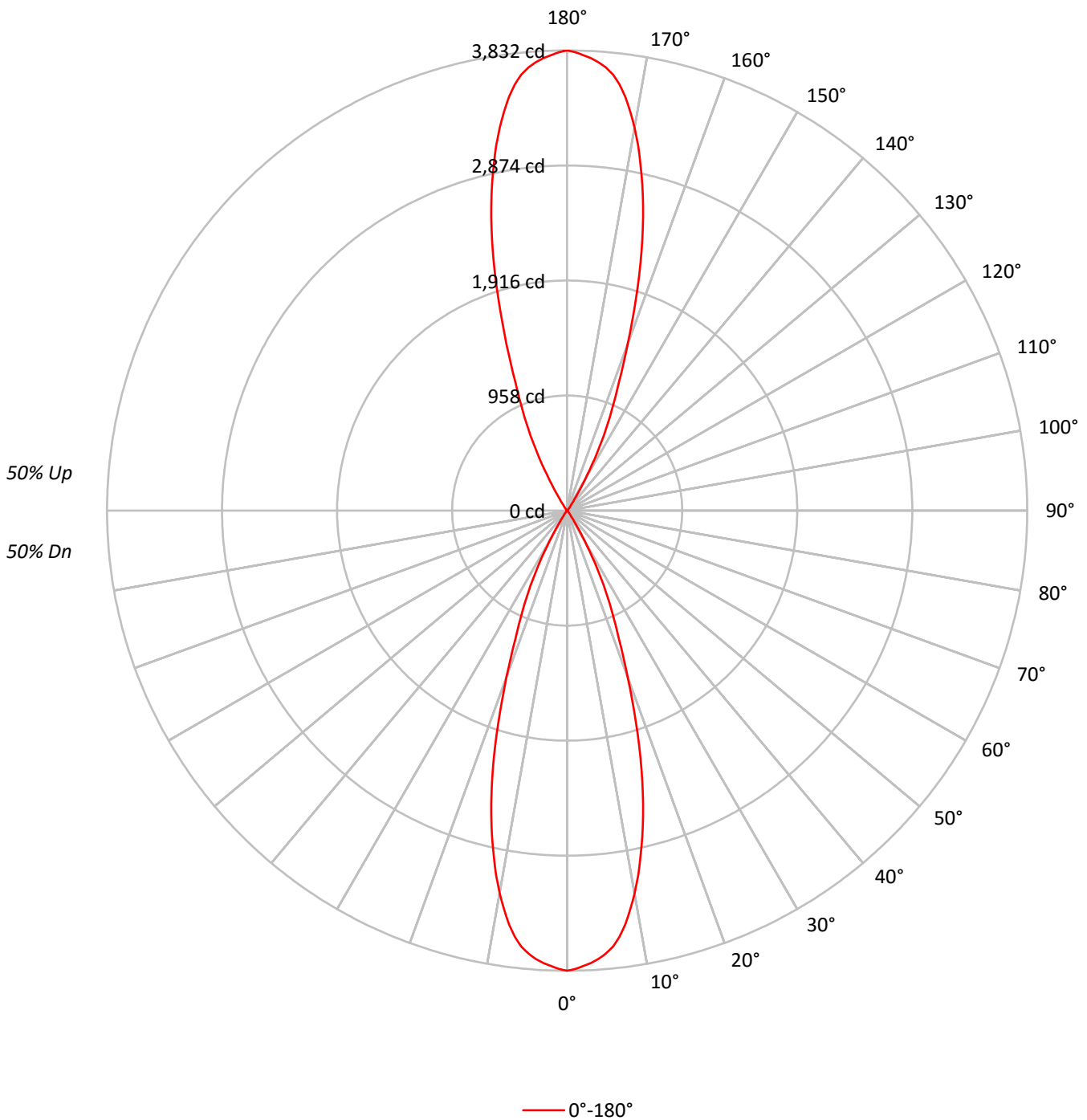
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	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°	840174
5°	815274
10°	720762
15°	553488
20°	344523
25°	194261
30°	73758
35°	15821
40°	6154
45°	1985
50°	1637
55°	1223
60°	1053
65°	1245
70°	1026
75°	1356
80°	1010
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.0	11.9
10°-20°	654.2	22.9
20°-30°	364.8	12.8
30°-40°	55.1	1.9
40°-50°	6.1	0.2
50°-60°	3.1	0.1
60°-70°	2.1	0.1
70°-80°	1.4	0.0
80°-90°	0.3	0.0
90°-100°	0.5	0.0
100°-110°	1.4	0.0
110°-120°	2.1	0.1
120°-130°	3.1	0.1
130°-140°	6.1	0.2
140°-150°	55.1	1.9
150°-160°	364.8	12.8
160°-170°	654.2	22.9
170°-180°	339.0	11.9
0°-30°	1358.1	47.6
0°-40°	1413.2	49.5
0°-60°	1422.5	49.9
0°-90°	1426.2	50.0
90°-120°	4.0	0.1
90°-150°	68.4	2.4
90°-180°	1426.0	50.0
0°-180°	2852.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3832	
5°	3704	339
15°	2438	654
25°	803	365
35°	59	55
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	0
95°	0	0
105°	2	1
115°	2	2
125°	3	3
135°	6	6
145°	59	55
155°	803	365
165°	2438	654
175°	3704	339
180°	3832	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3831.5
1°	3817.9
2°	3795.6
3°	3772.5
4°	3742.9
5°	3703.8
6°	3651.1
7°	3575.3
8°	3478.0
9°	3363.0
10°	3237.0
11°	3095.7
12°	2942.5
13°	2783.7
14°	2613.7
15°	2438.1
16°	2248.1
17°	2051.8
18°	1852.3
19°	1661.6
20°	1476.4
21°	1304.8
22°	1153.2
23°	1025.5
24°	914.6
25°	802.9
26°	693.5
27°	587.4
28°	484.4
29°	385.5
30°	291.3
32.5°	116.5
35°	59.1
37.5°	36.7
40°	21.5
42.5°	8.0
45°	6.4
47.5°	4.8
50°	4.8
52.5°	4.0
55°	3.2
57.5°	3.2
60°	2.4
62.5°	2.4
65°	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	1.6
110°	1.6
112.5°	1.6
115°	2.4
117.5°	2.4
120°	2.4
122.5°	3.2
125°	3.2
127.5°	4.0
130°	4.8
132.5°	4.8
135°	6.4
137.5°	8.0
140°	21.5
142.5°	36.7
145°	59.1
147.5°	116.5
150°	291.3
151°	385.5
152°	484.4
153°	587.4
154°	693.5
155°	802.9
156°	914.6
157°	1025.5
158°	1153.2
159°	1304.8
160°	1476.4
161°	1661.6



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1852.3
163°	2051.8
164°	2248.1
165°	2438.1
166°	2613.7
167°	2783.7
168°	2942.5
169°	3095.7
170°	3237.0
171°	3363.0
172°	3478.0
173°	3575.3
174°	3651.1
175°	3703.8
176°	3742.9
177°	3772.5
178°	3795.6
179°	3817.9
180°	3831.5

(END OF REPORT)