

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: P221424

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
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-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2760.4 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

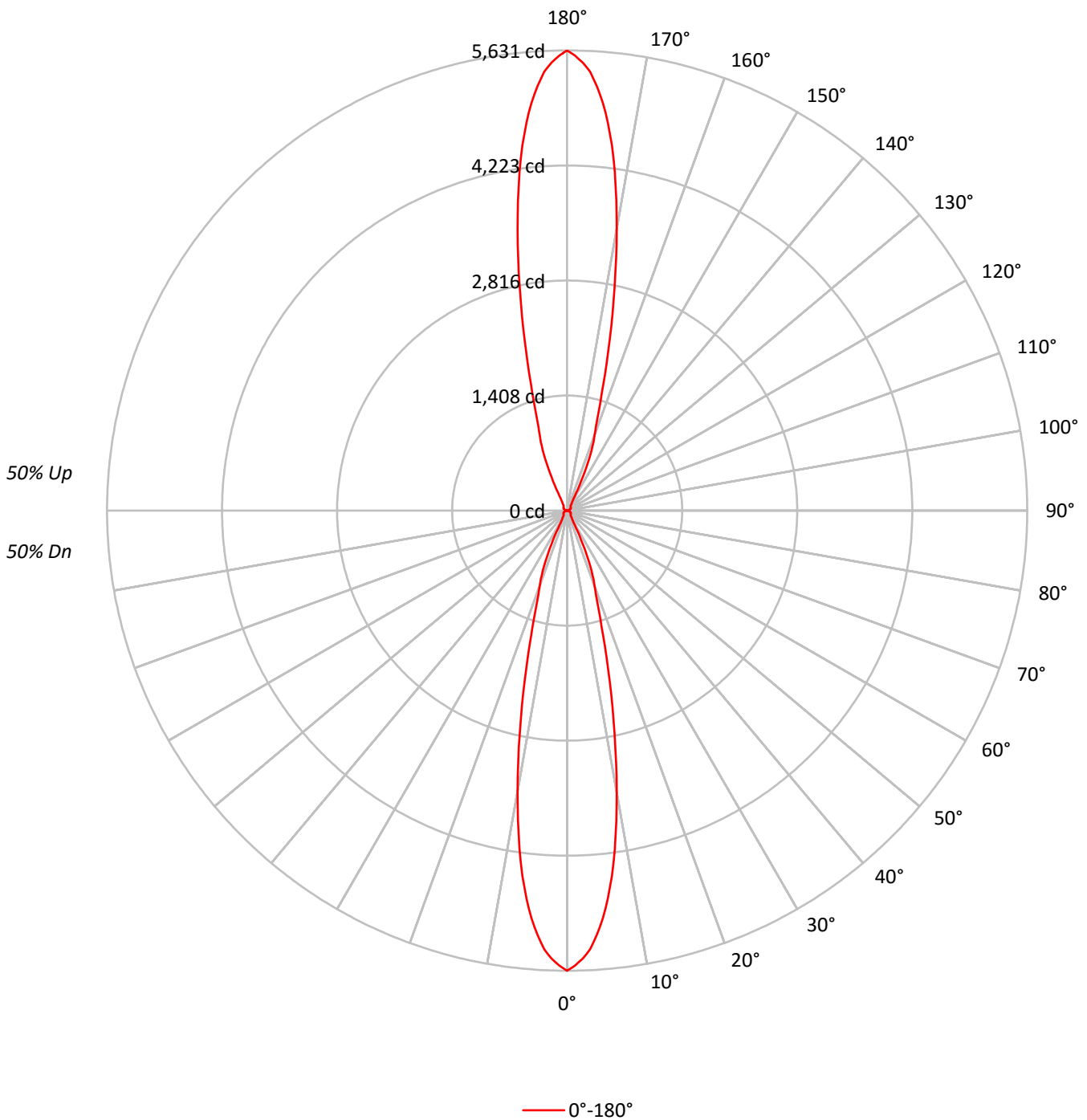
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66		61	59	57		51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51		51	48	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45		47	44	42		42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43		45	42	40		40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41		43	40	38		39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39		42	39	37		38	36	34	33

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

	0°
0°	1234791
5°	1103211
10°	777786
15°	422681
20°	228687
25°	109095
30°	31524
35°	20505
40°	18721
45°	19289
50°	20434
55°	21677
60°	21358
65°	20288
70°	16862
75°	14911
80°	17174
85°	16102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.1	15.5
10°-20°	525.5	19.0
20°-30°	210.2	7.6
30°-40°	52.6	1.9
40°-50°	48.4	1.8
50°-60°	49.9	1.8
60°-70°	37.9	1.4
70°-80°	19.6	0.7
80°-90°	7.1	0.3
90°-100°	7.1	0.3
100°-110°	19.6	0.7
110°-120°	37.9	1.4
120°-130°	49.9	1.8
130°-140°	48.4	1.8
140°-150°	52.6	1.9
150°-160°	210.2	7.6
160°-170°	525.5	19.0
170°-180°	429.1	15.5
0°-30°	1164.8	42.2
0°-40°	1217.4	44.1
0°-60°	1315.7	47.7
0°-90°	1380.2	50.0
90°-120°	64.5	2.3
90°-150°	215.4	7.8
90°-180°	1380.0	50.0
0°-180°	2760.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5631	
5°	5012	429
15°	1862	525
25°	451	210
35°	77	53
45°	62	48
55°	57	50
65°	39	38
75°	18	20
85°	6	7
90°	0	1
95°	6	7
105°	18	20
115°	39	38
125°	57	50
135°	62	48
145°	77	53
155°	451	210
165°	1862	525
175°	5012	429
180°	5631	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5631.1
1°	5568.9
2°	5485.1
3°	5375.8
4°	5205.0
5°	5011.9
6°	4770.0
7°	4501.9
8°	4185.9
9°	3841.1
10°	3493.1
11°	3138.8
12°	2790.0
13°	2464.4
14°	2150.0
15°	1861.9
16°	1600.9
17°	1388.6
18°	1215.5
19°	1080.6
20°	980.0
21°	895.4
22°	798.9
23°	687.9
24°	568.2
25°	450.9
26°	337.6
27°	241.0
28°	170.0
29°	137.3
30°	124.5
32.5°	99.8
35°	76.6
37.5°	68.6
40°	65.4
42.5°	63.8
45°	62.2
47.5°	61.5
50°	59.9
52.5°	59.1
55°	56.7
57.5°	52.7
60°	48.7
62.5°	44.7
65°	39.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	31.9
70°	26.3
72.5°	20.7
75°	17.6
77.5°	16.0
80°	13.6
82.5°	9.6
85°	6.4
87.5°	3.2
90°	0.0
92.5°	3.2
95°	6.4
97.5°	9.6
100°	13.6
102.5°	16.0
105°	17.6
107.5°	20.7
110°	26.3
112.5°	31.9
115°	39.1
117.5°	44.7
120°	48.7
122.5°	52.7
125°	56.7
127.5°	59.1
130°	59.9
132.5°	61.5
135°	62.2
137.5°	63.8
140°	65.4
142.5°	68.6
145°	76.6
147.5°	99.8
150°	124.5
151°	137.3
152°	170.0
153°	241.0
154°	337.6
155°	450.9
156°	568.2
157°	687.9
158°	798.9
159°	895.4
160°	980.0
161°	1080.6



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1215.5
163°	1388.6
164°	1600.9
165°	1861.9
166°	2150.0
167°	2464.4
168°	2790.0
169°	3138.8
170°	3493.1
171°	3841.1
172°	4185.9
173°	4501.9
174°	4770.0
175°	5011.9
176°	5205.0
177°	5375.8
178°	5485.1
179°	5568.9
180°	5631.1

(END OF REPORT)