

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: P221426

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)  
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-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2423.4 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

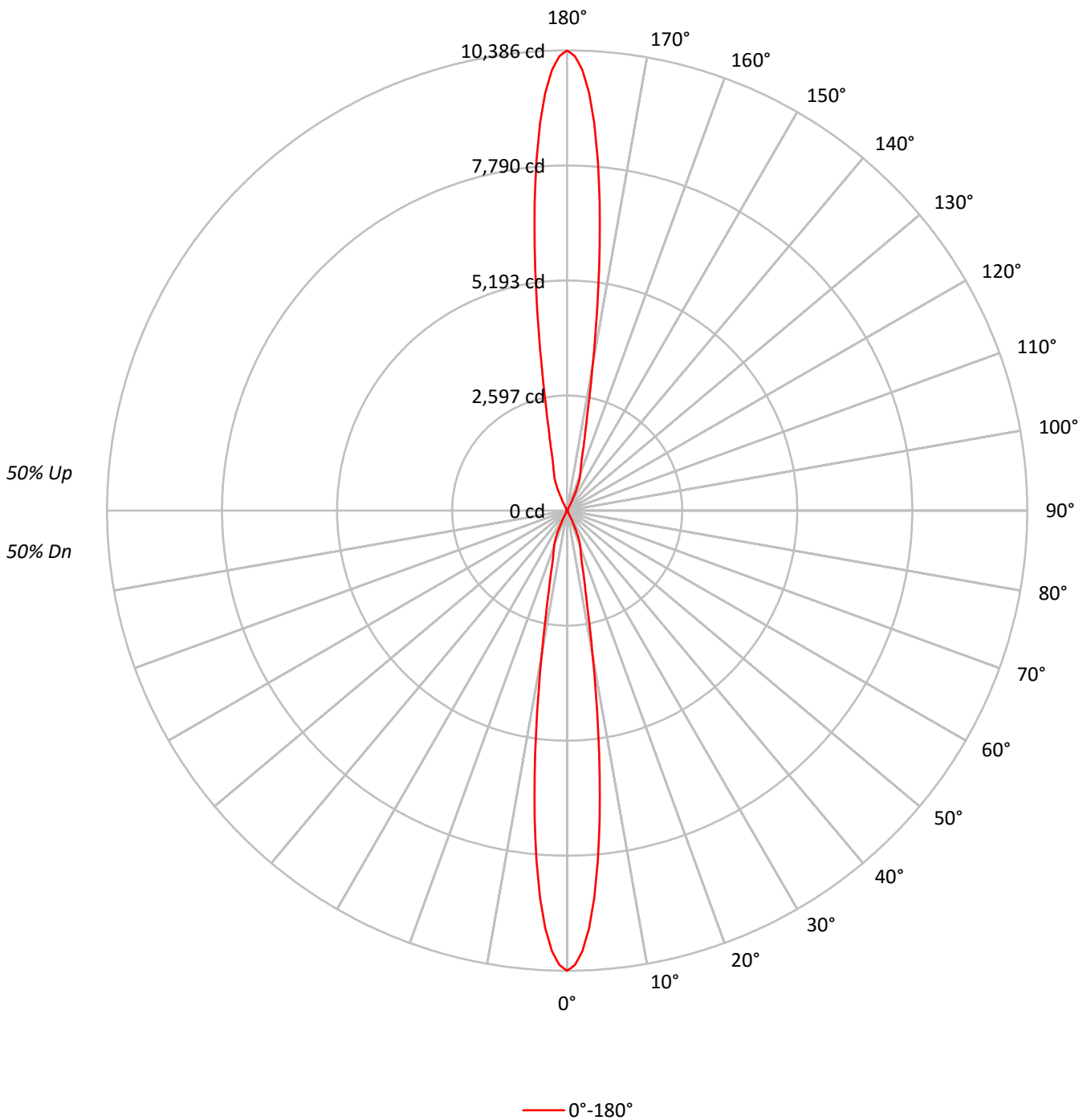
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221426

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-BK-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221426

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-BK-L2-UNV

**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	98	95	93	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

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

	0°
0°	2277449
5°	1744746
10°	731939
15°	308901
20°	200941
25°	88045
30°	11926
35°	4497
40°	3206
45°	2481
50°	2183
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



TEST NUMBER: P221426

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-BK-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.7	24.6
10°-20°	416.1	17.2
20°-30°	171.5	7.1
30°-40°	13.5	0.6
40°-50°	6.5	0.3
50°-60°	4.7	0.2
60°-70°	2.4	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°	2.4	0.1
120°-130°	4.7	0.2
130°-140°	6.5	0.3
140°-150°	13.5	0.6
150°-160°	171.5	7.1
160°-170°	416.1	17.2
170°-180°	596.7	24.6
0°-30°	1184.3	48.9
0°-40°	1197.9	49.4
0°-60°	1209.0	49.9
0°-90°	1211.7	50.0
90°-120°	2.9	0.1
90°-150°	27.6	1.1
90°-180°	1212.0	50.0
0°-180°	2423.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10386	
5°	7926	597
15°	1361	416
25°	364	171
35°	17	14
45°	8	6
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	6	5
135°	8	6
145°	17	14
155°	364	171
165°	1361	416
175°	7926	597
180°	10386	



TEST NUMBER: P221426

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-BK-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10386.0
1°	10253.5
2°	9943.1
3°	9437.9
4°	8763.5
5°	7926.4
6°	6995.0
7°	6019.0
8°	5015.0
9°	4094.9
10°	3287.2
11°	2648.0
12°	2174.7
13°	1826.0
14°	1571.4
15°	1360.7
16°	1190.7
17°	1079.8
18°	994.4
19°	919.4
20°	861.1
21°	807.6
22°	726.2
23°	615.3
24°	489.2
25°	363.9
26°	253.0
27°	151.6
28°	84.6
29°	56.7
30°	47.1
32.5°	30.3
35°	16.8
37.5°	12.8
40°	11.2
42.5°	9.6
45°	8.0
47.5°	7.2
50°	6.4
52.5°	5.6
55°	5.6
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



TEST NUMBER: P221426

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-BK-L2-UNV

**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°	2.4
117.5°	3.2
120°	4.0
122.5°	4.8
125°	5.6
127.5°	5.6
130°	6.4
132.5°	7.2
135°	8.0
137.5°	9.6
140°	11.2
142.5°	12.8
145°	16.8
147.5°	30.3
150°	47.1
151°	56.7
152°	84.6
153°	151.6
154°	253.0
155°	363.9
156°	489.2
157°	615.3
158°	726.2
159°	807.6
160°	861.1
161°	919.4



TEST NUMBER: P221426

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	994.4
163°	1079.8
164°	1190.7
165°	1360.7
166°	1571.4
167°	1826.0
168°	2174.7
169°	2648.0
170°	3287.2
171°	4094.9
172°	5015.0
173°	6019.0
174°	6995.0
175°	7926.4
176°	8763.5
177°	9437.9
178°	9943.1
179°	10253.5
180°	10386.0

(END OF REPORT)