

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: P221417

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221417  
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-L1-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: 1409.9 lumens  
Efficiency: N/A  
Efficacy: 71.9 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

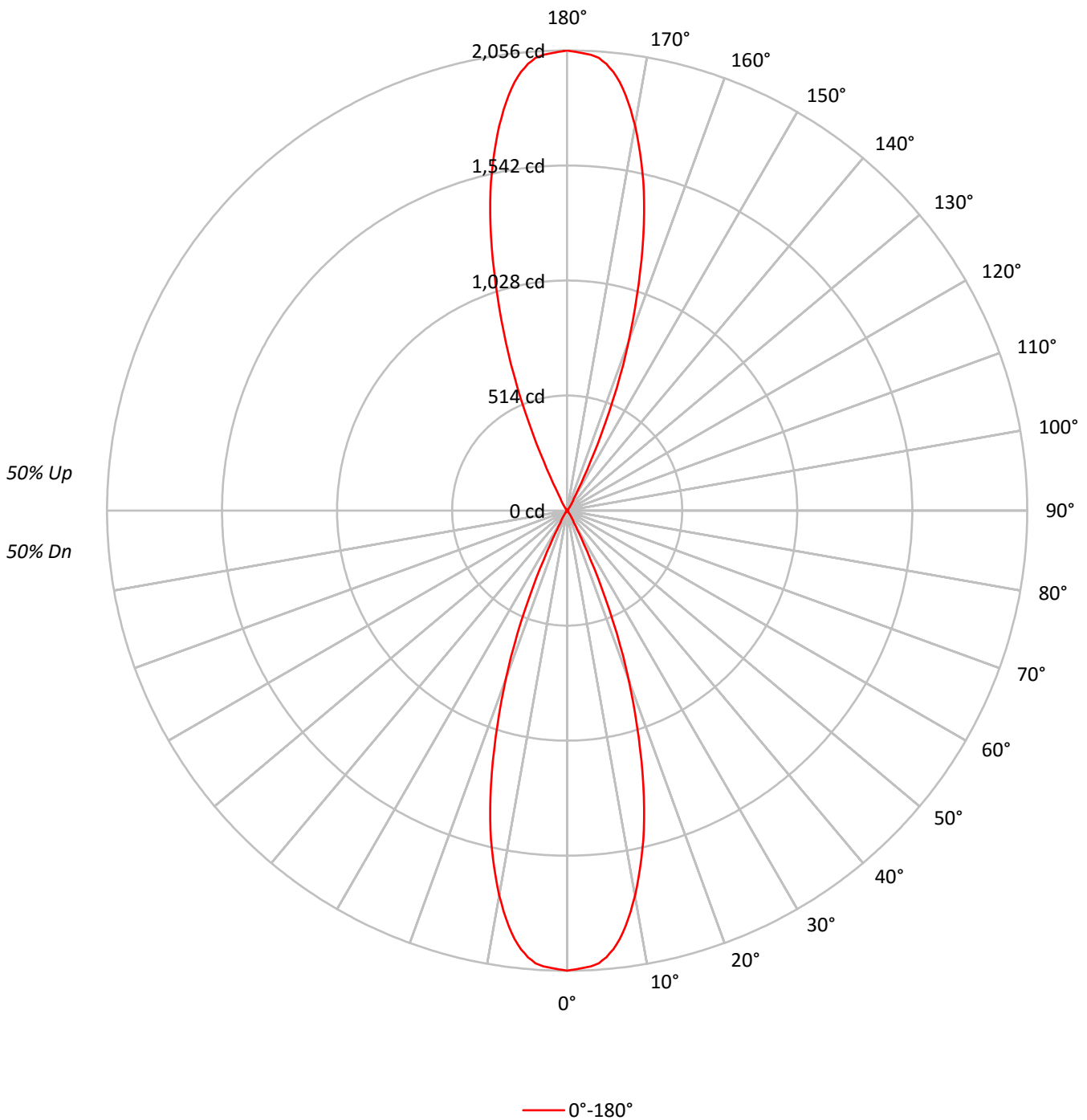
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	450775
5°	441051
10°	388726
15°	300342
20°	186520
25°	69101
30°	14458
35°	5434
40°	1975
45°	1333
50°	1194
55°	994
60°	746
65°	467
70°	256
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.0	13.0
10°-20°	355.0	25.2
20°-30°	144.6	10.3
30°-40°	15.3	1.1
40°-50°	3.6	0.3
50°-60°	2.3	0.2
60°-70°	1.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.0	0.1
120°-130°	2.3	0.2
130°-140°	3.6	0.3
140°-150°	15.3	1.1
150°-160°	144.6	10.3
160°-170°	355.0	25.2
170°-180°	183.0	13.0
0°-30°	682.6	48.4
0°-40°	697.9	49.5
0°-60°	703.8	49.9
0°-90°	704.9	50.0
90°-120°	1.3	0.1
90°-150°	22.5	1.6
90°-180°	705.0	50.0
0°-180°	1409.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2056	
5°	2004	183
15°	1323	355
25°	286	145
35°	20	15
45°	4	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	4	4
145°	20	15
155°	286	145
165°	1323	355
175°	2004	183
180°	2056	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2055.7
1°	2050.5
2°	2044.4
3°	2038.8
4°	2027.5
5°	2003.7
6°	1971.3
7°	1928.9
8°	1874.8
9°	1813.3
10°	1745.8
11°	1671.8
12°	1593.0
13°	1510.8
14°	1420.8
15°	1323.0
16°	1223.4
17°	1113.1
18°	1010.1
19°	902.8
20°	799.3
21°	698.5
22°	591.6
23°	482.5
24°	379.1
25°	285.6
26°	204.7
27°	139.4
28°	92.2
29°	68.4
30°	57.1
32.5°	37.7
35°	20.3
37.5°	11.3
40°	6.9
42.5°	5.2
45°	4.3
47.5°	3.9
50°	3.5
52.5°	3.0
55°	2.6
57.5°	2.2
60°	1.7
62.5°	1.3
65°	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
70°	0.4
72.5°	0.4
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°	0.4
110°	0.4
112.5°	0.9
115°	0.9
117.5°	1.3
120°	1.7
122.5°	2.2
125°	2.6
127.5°	3.0
130°	3.5
132.5°	3.9
135°	4.3
137.5°	5.2
140°	6.9
142.5°	11.3
145°	20.3
147.5°	37.7
150°	57.1
151°	68.4
152°	92.2
153°	139.4
154°	204.7
155°	285.6
156°	379.1
157°	482.5
158°	591.6
159°	698.5
160°	799.3
161°	902.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1010.1
163°	1113.1
164°	1223.4
165°	1323.0
166°	1420.8
167°	1510.8
168°	1593.0
169°	1671.8
170°	1745.8
171°	1813.3
172°	1874.8
173°	1928.9
174°	1971.3
175°	2003.7
176°	2027.5
177°	2038.8
178°	2044.4
179°	2050.5
180°	2055.7

(END OF REPORT)