

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: P221389

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221389  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)  
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]-LED2790-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1180.3 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

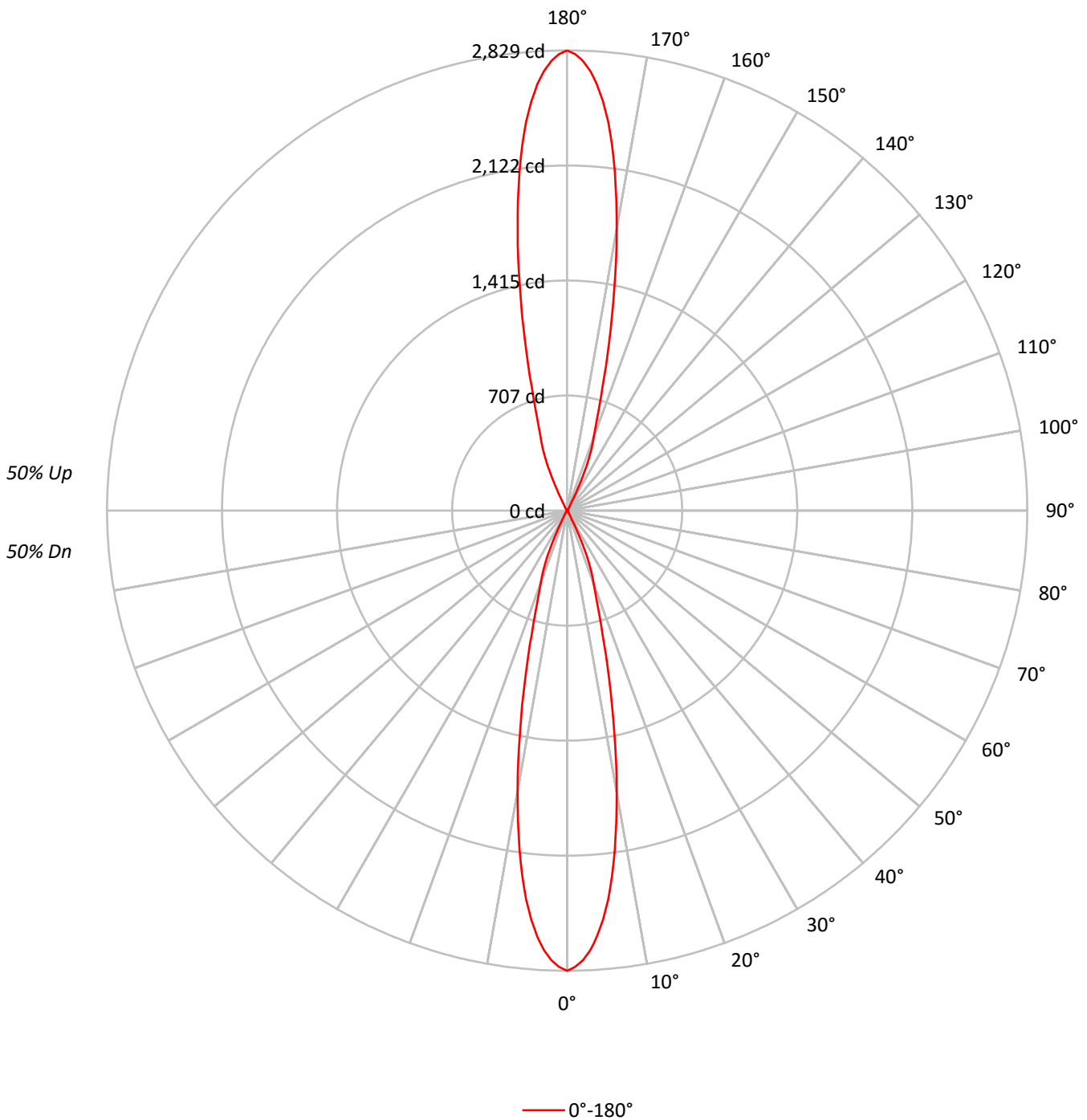
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	93	91	89	86	78	76	75		66	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	59		53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63		59	57	56		51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59		57	55	53		49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55		54	52	50		48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52		52	50	48		47	45	44	41
7	73	65	59	55	69	61	57	53	56	52	49		50	48	46		45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47		49	46	44		44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45		47	44	42		43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43		45	43	41		42	40	39	37

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

	0°
0°	620433
5°	555997
10°	390618
15°	209627
20°	110260
25°	49285
30°	9520
35°	3507
40°	2004
45°	1644
50°	1399
55°	1109
60°	877
65°	623
70°	256
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.1	18.3
10°-20°	260.4	22.1
20°-30°	95.0	8.1
30°-40°	10.5	0.9
40°-50°	4.1	0.3
50°-60°	2.6	0.2
60°-70°	1.2	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°	1.2	0.1
120°-130°	2.6	0.2
130°-140°	4.1	0.3
140°-150°	10.5	0.9
150°-160°	95.0	8.1
160°-170°	260.4	22.1
170°-180°	216.1	18.3
0°-30°	571.5	48.4
0°-40°	582.0	49.3
0°-60°	588.8	49.9
0°-90°	590.1	50.0
90°-120°	1.4	0.1
90°-150°	18.7	1.6
90°-180°	590.0	50.0
0°-180°	1180.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2829	
5°	2526	216
15°	923	260
25°	204	95
35°	13	11
45°	5	4
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	5	4
145°	13	11
155°	204	95
165°	923	260
175°	2526	216
180°	2829	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2829.4
1°	2806.5
2°	2766.4
3°	2707.5
4°	2626.1
5°	2525.9
6°	2406.0
7°	2265.3
8°	2105.7
9°	1932.7
10°	1754.3
11°	1574.7
12°	1396.7
13°	1228.6
14°	1068.2
15°	923.4
16°	790.4
17°	682.0
18°	594.0
19°	524.5
20°	472.5
21°	430.0
22°	381.3
23°	323.6
24°	263.5
25°	203.7
26°	146.9
27°	96.1
28°	60.5
29°	44.2
30°	37.6
32.5°	25.4
35°	13.1
37.5°	8.6
40°	7.0
42.5°	6.1
45°	5.3
47.5°	4.5
50°	4.1
52.5°	3.3
55°	2.9
57.5°	2.5
60°	2.0
62.5°	1.6
65°	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
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°	0.8
115°	1.2
117.5°	1.6
120°	2.0
122.5°	2.5
125°	2.9
127.5°	3.3
130°	4.1
132.5°	4.5
135°	5.3
137.5°	6.1
140°	7.0
142.5°	8.6
145°	13.1
147.5°	25.4
150°	37.6
151°	44.2
152°	60.5
153°	96.1
154°	146.9
155°	203.7
156°	263.5
157°	323.6
158°	381.3
159°	430.0
160°	472.5
161°	524.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	594.0
163°	682.0
164°	790.4
165°	923.4
166°	1068.2
167°	1228.6
168°	1396.7
169°	1574.7
170°	1754.3
171°	1932.7
172°	2105.7
173°	2265.3
174°	2406.0
175°	2525.9
176°	2626.1
177°	2707.5
178°	2766.4
179°	2806.5
180°	2829.4

(END OF REPORT)