

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: P221393

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221393  
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]-LED2790-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1242.2 lumens  
Efficiency: N/A  
Efficacy: 63.4 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

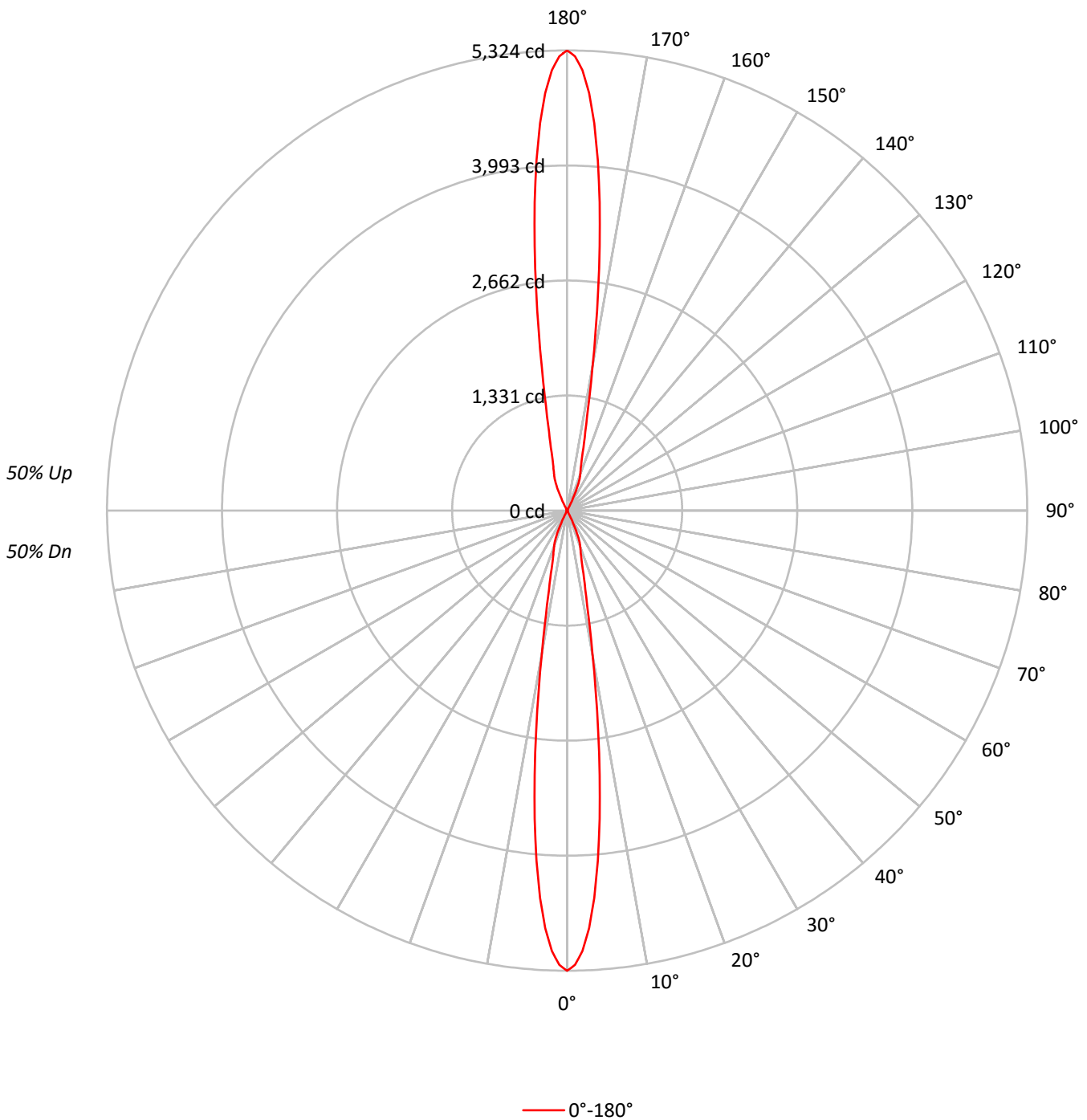
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1167494
5°	894407
10°	375210
15°	158344
20°	103002
25°	45148
30°	6102
35°	2302
40°	1632
45°	1271
50°	1126
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°	305.9	24.6
10°-20°	213.3	17.2
20°-30°	87.9	7.1
30°-40°	6.9	0.6
40°-50°	3.3	0.3
50°-60°	2.4	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°	2.4	0.2
130°-140°	3.3	0.3
140°-150°	6.9	0.6
150°-160°	87.9	7.1
160°-170°	213.3	17.2
170°-180°	305.9	24.6
0°-30°	607.1	48.9
0°-40°	614.0	49.4
0°-60°	619.8	49.9
0°-90°	621.1	50.0
90°-120°	1.4	0.1
90°-150°	14.1	1.1
90°-180°	621.0	50.0
0°-180°	1242.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5324	
5°	4063	306
15°	698	213
25°	187	88
35°	9	7
45°	4	3
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	3
145°	9	7
155°	187	88
165°	698	213
175°	4063	306
180°	5324	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5324.2
1°	5256.3
2°	5097.1
3°	4838.2
4°	4492.5
5°	4063.3
6°	3585.9
7°	3085.5
8°	2570.9
9°	2099.2
10°	1685.1
11°	1357.4
12°	1114.8
13°	936.0
14°	805.5
15°	697.5
16°	610.4
17°	553.5
18°	509.8
19°	471.3
20°	441.4
21°	414.0
22°	372.3
23°	315.4
24°	250.8
25°	186.6
26°	129.7
27°	77.7
28°	43.4
29°	29.0
30°	24.1
32.5°	15.5
35°	8.6
37.5°	6.5
40°	5.7
42.5°	4.9
45°	4.1
47.5°	3.7
50°	3.3
52.5°	2.9
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°	2.9
130°	3.3
132.5°	3.7
135°	4.1
137.5°	4.9
140°	5.7
142.5°	6.5
145°	8.6
147.5°	15.5
150°	24.1
151°	29.0
152°	43.4
153°	77.7
154°	129.7
155°	186.6
156°	250.8
157°	315.4
158°	372.3
159°	414.0
160°	441.4
161°	471.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	509.8
163°	553.5
164°	610.4
165°	697.5
166°	805.5
167°	936.0
168°	1114.8
169°	1357.4
170°	1685.1
171°	2099.2
172°	2570.9
173°	3085.5
174°	3585.9
175°	4063.3
176°	4492.5
177°	4838.2
178°	5097.1
179°	5256.3
180°	5324.2

(END OF REPORT)