

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: P221386

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221386  
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]-LED2790-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2457.9 lumens  
Efficiency: N/A  
Efficacy: 61.1 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

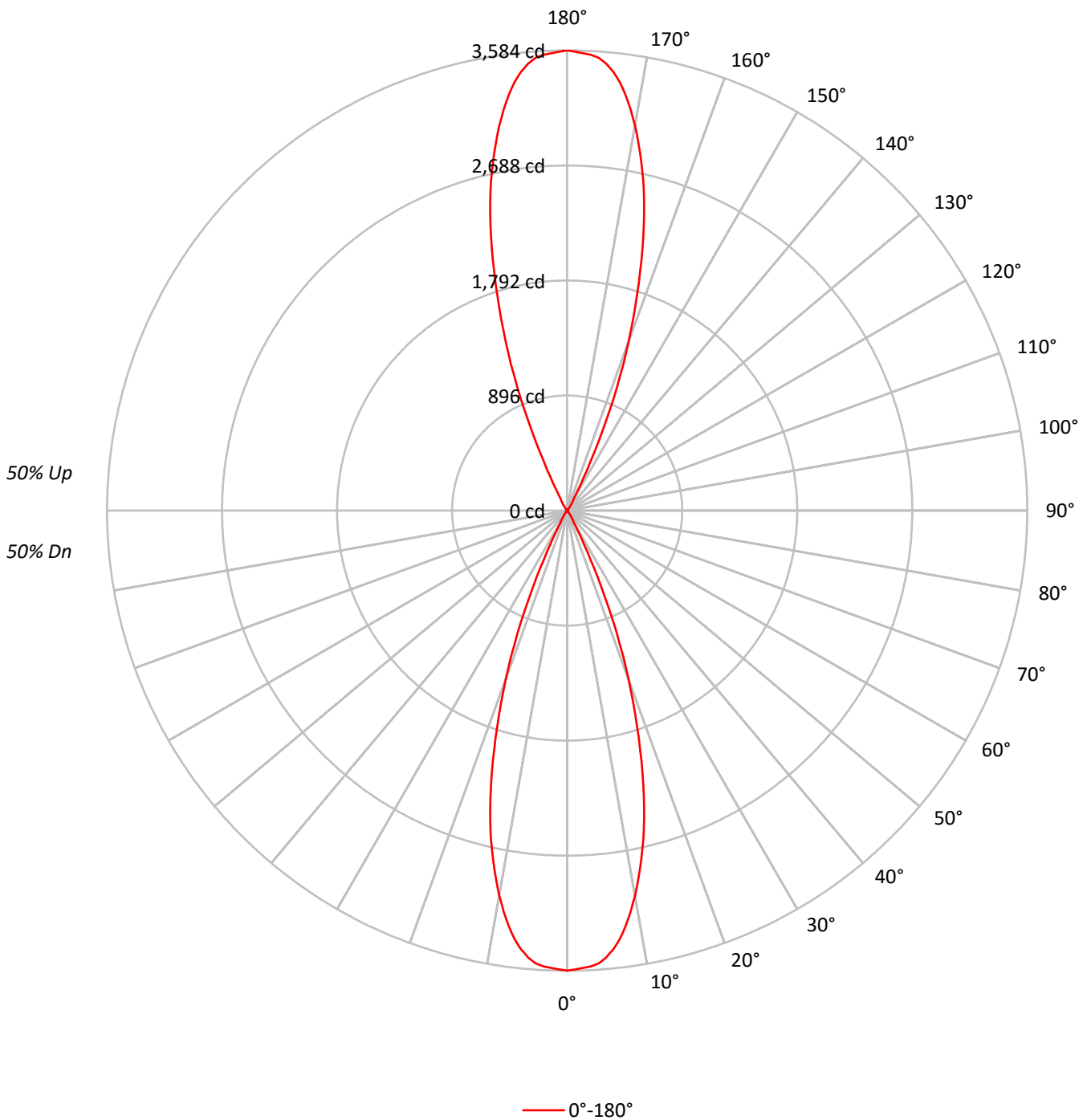
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	785814
5°	768895
10°	677654
15°	523567
20°	325155
25°	120467
30°	25219
35°	9503
40°	3464
45°	2326
50°	2047
55°	1720
60°	1316
65°	778
70°	513
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.0	13.0
10°-20°	618.9	25.2
20°-30°	252.1	10.3
30°-40°	26.6	1.1
40°-50°	6.2	0.3
50°-60°	4.0	0.2
60°-70°	1.8	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°	1.8	0.1
120°-130°	4.0	0.2
130°-140°	6.2	0.3
140°-150°	26.6	1.1
150°-160°	252.1	10.3
160°-170°	618.9	25.2
170°-180°	319.0	13.0
0°-30°	1190.0	48.4
0°-40°	1216.6	49.5
0°-60°	1226.8	49.9
0°-90°	1228.9	50.0
90°-120°	2.3	0.1
90°-150°	39.2	1.6
90°-180°	1229.0	50.0
0°-180°	2457.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3584	
5°	3493	319
15°	2306	619
25°	498	252
35°	36	27
45°	8	6
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	4	4
135°	8	6
145°	36	27
155°	498	252
165°	2306	619
175°	3493	319
180°	3584	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3583.6
1°	3574.5
2°	3564.0
3°	3554.2
4°	3534.5
5°	3493.1
6°	3436.5
7°	3362.5
8°	3268.2
9°	3161.1
10°	3043.4
11°	2914.4
12°	2777.1
13°	2633.7
14°	2476.8
15°	2306.3
16°	2132.8
17°	1940.4
18°	1760.9
19°	1573.8
20°	1393.4
21°	1217.7
22°	1031.3
23°	841.2
24°	660.9
25°	497.9
26°	356.8
27°	242.9
28°	160.7
29°	119.2
30°	99.6
32.5°	65.6
35°	35.5
37.5°	19.6
40°	12.1
42.5°	9.1
45°	7.5
47.5°	6.8
50°	6.0
52.5°	5.3
55°	4.5
57.5°	3.8
60°	3.0
62.5°	2.3
65°	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.5
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°	1.5
115°	1.5
117.5°	2.3
120°	3.0
122.5°	3.8
125°	4.5
127.5°	5.3
130°	6.0
132.5°	6.8
135°	7.5
137.5°	9.1
140°	12.1
142.5°	19.6
145°	35.5
147.5°	65.6
150°	99.6
151°	119.2
152°	160.7
153°	242.9
154°	356.8
155°	497.9
156°	660.9
157°	841.2
158°	1031.3
159°	1217.7
160°	1393.4
161°	1573.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1760.9
163°	1940.4
164°	2132.8
165°	2306.3
166°	2476.8
167°	2633.7
168°	2777.1
169°	2914.4
170°	3043.4
171°	3161.1
172°	3268.2
173°	3362.5
174°	3436.5
175°	3493.1
176°	3534.5
177°	3554.2
178°	3564.0
179°	3574.5
180°	3583.6

(END OF REPORT)