

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: P221564

Luminaire Tested: **9003-W2-FL-LED2790-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED2790-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2564.9 lumens  
Efficiency: N/A  
Efficacy: 63.8 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

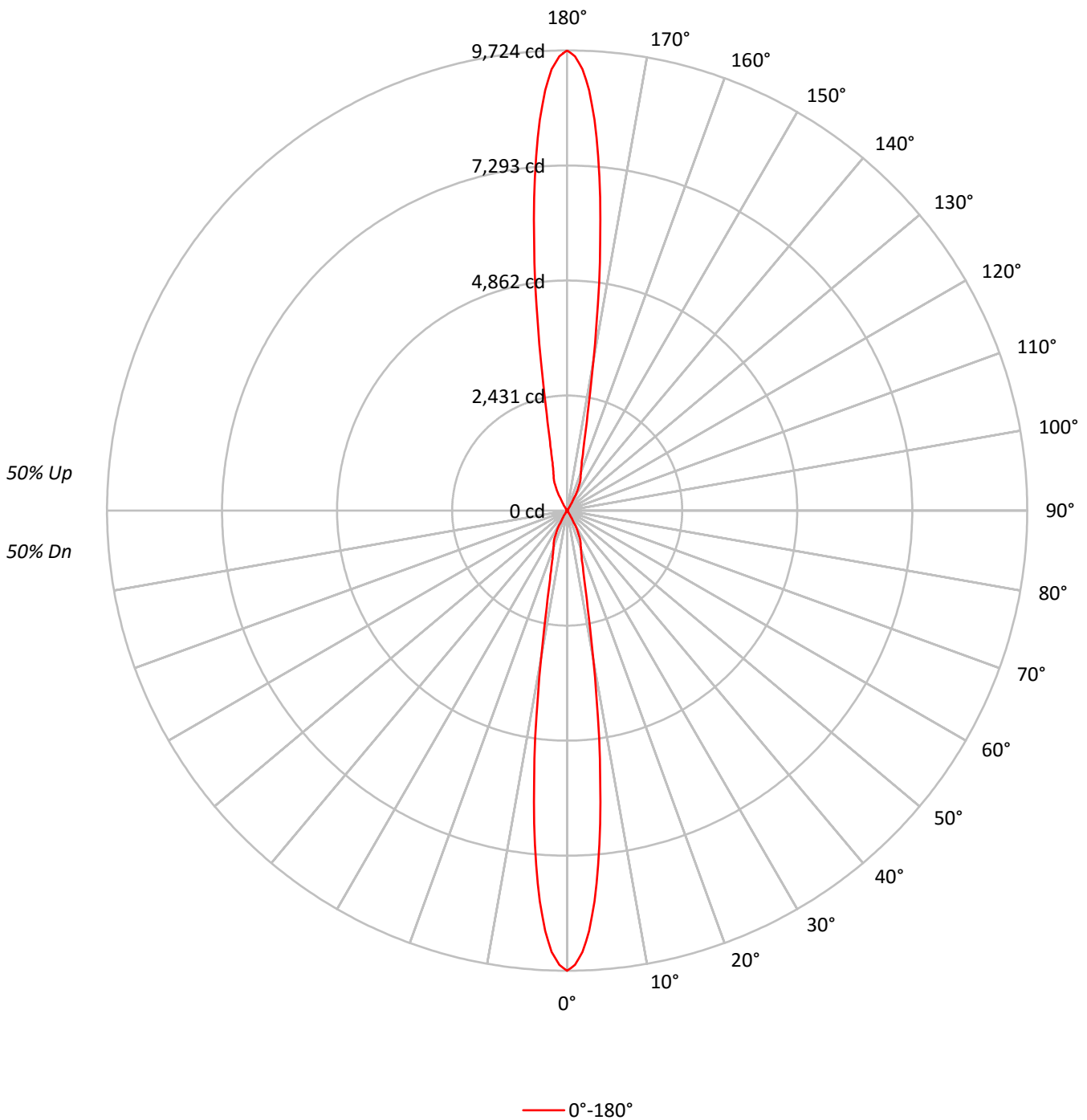
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221564

CATALOG NUMBER: 9003-W2-FL-LED2790-S-WT-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221564

CATALOG NUMBER: 9003-W2-FL-LED2790-S-WT-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	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	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	60	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	66	63	60	58	56	51	50	49	45				
4	85	78	72	68	80	73	69	65	65	61	59	57	55	53	50	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	55	52	50	48	47	46	43				
6	77	69	63	59	72	65	60	57	59	55	52	53	50	48	47	45	44	42				
7	74	65	59	55	69	62	57	53	56	52	50	51	48	46	46	44	43	41				
8	70	62	56	52	66	59	54	51	54	50	48	49	46	45	44	43	42	40				
9	68	59	53	50	64	56	52	48	52	48	46	47	45	43	43	42	40	39				
10	65	56	51	48	62	54	49	46	50	46	44	46	43	42	42	41	39	38				

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

	0°
0°	2132263
5°	1655510
10°	707224
15°	299026
20°	198234
25°	148581
30°	56920
35°	8673
40°	4752
45°	2109
50°	1535
55°	1453
60°	1667
65°	1557
70°	1475
75°	1271
80°	1010
85°	2013



TEST NUMBER: P221564

CATALOG NUMBER: 9003-W2-FL-LED2790-S-WT-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	568.4	22.2
10°-20°	402.7	15.7
20°-30°	259.6	10.1
30°-40°	37.4	1.5
40°-50°	5.9	0.2
50°-60°	3.6	0.1
60°-70°	2.8	0.1
70°-80°	1.4	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.4	0.1
110°-120°	2.8	0.1
120°-130°	3.6	0.1
130°-140°	5.9	0.2
140°-150°	37.4	1.5
150°-160°	259.6	10.1
160°-170°	402.7	15.7
170°-180°	568.4	22.2
0°-30°	1230.7	48.0
0°-40°	1268.1	49.4
0°-60°	1277.7	49.8
0°-90°	1282.4	50.0
90°-120°	4.8	0.2
90°-150°	51.7	2.0
90°-180°	1282.0	50.0
0°-180°	2564.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9724	
5°	7521	568
15°	1317	403
25°	614	260
35°	32	37
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	0
95°	1	1
105°	2	1
115°	3	3
125°	4	4
135°	7	6
145°	32	37
155°	614	260
165°	1317	403
175°	7521	568
180°	9724	



TEST NUMBER: P221564

CATALOG NUMBER: 9003-W2-FL-LED2790-S-WT-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9723.9
1°	9602.5
2°	9333.9
3°	8892.5
4°	8278.4
5°	7521.0
6°	6650.4
7°	5741.3
8°	4842.0
9°	3953.2
10°	3176.2
11°	2541.7
12°	2084.5
13°	1750.3
14°	1502.1
15°	1317.2
16°	1164.8
17°	1053.9
18°	974.7
19°	905.3
20°	849.5
21°	801.2
22°	759.0
23°	719.7
24°	674.5
25°	614.1
26°	543.2
27°	467.0
28°	384.0
29°	301.8
30°	224.8
32.5°	74.7
35°	32.4
37.5°	23.4
40°	16.6
42.5°	8.3
45°	6.8
47.5°	5.3
50°	4.5
52.5°	4.5
55°	3.8
57.5°	3.8
60°	3.8
62.5°	3.0
65°	3.0



TEST NUMBER: P221564

CATALOG NUMBER: 9003-W2-FL-LED2790-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.3
70°	2.3
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.5
107.5°	1.5
110°	2.3
112.5°	2.3
115°	3.0
117.5°	3.0
120°	3.8
122.5°	3.8
125°	3.8
127.5°	4.5
130°	4.5
132.5°	5.3
135°	6.8
137.5°	8.3
140°	16.6
142.5°	23.4
145°	32.4
147.5°	74.7
150°	224.8
151°	301.8
152°	384.0
153°	467.0
154°	543.2
155°	614.1
156°	674.5
157°	719.7
158°	759.0
159°	801.2
160°	849.5
161°	905.3



TEST NUMBER: P221564

CATALOG NUMBER: 9003-W2-FL-LED2790-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	974.7
163°	1053.9
164°	1164.8
165°	1317.2
166°	1502.1
167°	1750.3
168°	2084.5
169°	2541.7
170°	3176.2
171°	3953.2
172°	4842.0
173°	5741.3
174°	6650.4
175°	7521.0
176°	8278.4
177°	8892.5
178°	9333.9
179°	9602.5
180°	9723.9

(END OF REPORT)