

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: P221388

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
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-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2832.9 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

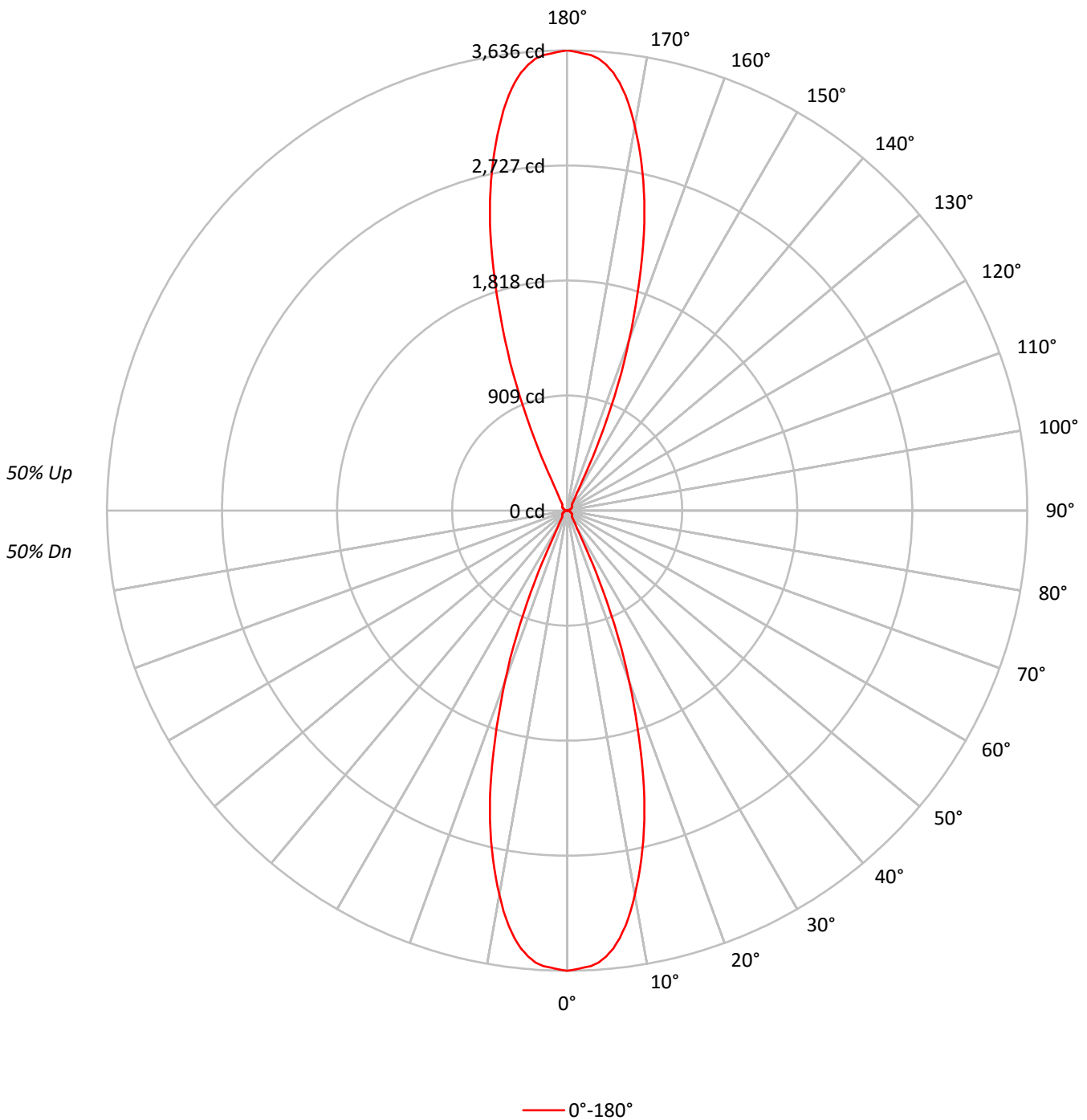
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	48	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	43	41	38
6	74	64	58	54	69	61	56	52	54	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	37	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

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

	0°
0°	797392
5°	778514
10°	686716
15°	534350
20°	333789
25°	130338
30°	35524
35°	20800
40°	16631
45°	16839
50°	17773
55°	18159
60°	17849
65°	16448
70°	14041
75°	12793
80°	14269
85°	13335



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.2	11.4
10°-20°	630.9	22.3
20°-30°	270.6	9.6
30°-40°	53.4	1.9
40°-50°	42.3	1.5
50°-60°	42.1	1.5
60°-70°	31.2	1.1
70°-80°	16.7	0.6
80°-90°	5.9	0.2
90°-100°	5.9	0.2
100°-110°	16.7	0.6
110°-120°	31.2	1.1
120°-130°	42.1	1.5
130°-140°	42.3	1.5
140°-150°	53.4	1.9
150°-160°	270.6	9.6
160°-170°	630.9	22.3
170°-180°	323.2	11.4
0°-30°	1224.8	43.2
0°-40°	1278.2	45.1
0°-60°	1362.6	48.1
0°-90°	1416.4	50.0
90°-120°	53.8	1.9
90°-150°	191.7	6.8
90°-180°	1416.0	50.0
0°-180°	2832.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3636	
5°	3537	323
15°	2354	631
25°	539	271
35°	78	53
45°	54	42
55°	48	42
65°	32	31
75°	15	17
85°	5	6
90°	0	1
95°	5	6
105°	15	17
115°	32	31
125°	48	42
135°	54	42
145°	78	53
155°	539	271
165°	2354	631
175°	3537	323
180°	3636	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3636.4
1°	3625.8
2°	3614.5
3°	3603.9
4°	3579.0
5°	3536.8
6°	3480.2
7°	3406.3
8°	3312.0
9°	3205.6
10°	3084.1
11°	2954.4
12°	2819.3
13°	2673.0
14°	2519.1
15°	2353.8
16°	2177.3
17°	1991.7
18°	1800.1
19°	1612.2
20°	1430.4
21°	1257.6
22°	1072.1
23°	881.9
24°	700.9
25°	538.7
26°	397.6
27°	281.4
28°	200.7
29°	159.2
30°	140.3
32.5°	106.4
35°	77.7
37.5°	63.4
40°	58.1
42.5°	55.8
45°	54.3
47.5°	53.6
50°	52.1
52.5°	49.8
55°	47.5
57.5°	44.5
60°	40.7
62.5°	37.0
65°	31.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	26.4
70°	21.9
72.5°	18.1
75°	15.1
77.5°	13.6
80°	11.3
82.5°	8.3
85°	5.3
87.5°	2.3
90°	0.0
92.5°	2.3
95°	5.3
97.5°	8.3
100°	11.3
102.5°	13.6
105°	15.1
107.5°	18.1
110°	21.9
112.5°	26.4
115°	31.7
117.5°	37.0
120°	40.7
122.5°	44.5
125°	47.5
127.5°	49.8
130°	52.1
132.5°	53.6
135°	54.3
137.5°	55.8
140°	58.1
142.5°	63.4
145°	77.7
147.5°	106.4
150°	140.3
151°	159.2
152°	200.7
153°	281.4
154°	397.6
155°	538.7
156°	700.9
157°	881.9
158°	1072.1
159°	1257.6
160°	1430.4
161°	1612.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1800.1
163°	1991.7
164°	2177.3
165°	2353.8
166°	2519.1
167°	2673.0
168°	2819.3
169°	2954.4
170°	3084.1
171°	3205.6
172°	3312.0
173°	3406.3
174°	3480.2
175°	3536.8
176°	3579.0
177°	3603.9
178°	3614.5
179°	3625.8
180°	3636.4

(END OF REPORT)