

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: P221554

Luminaire Tested: **9003-W2-FL-LED2790-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
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-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH 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: 2696.6 lumens
Efficiency: N/A
Efficacy: 67.1 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

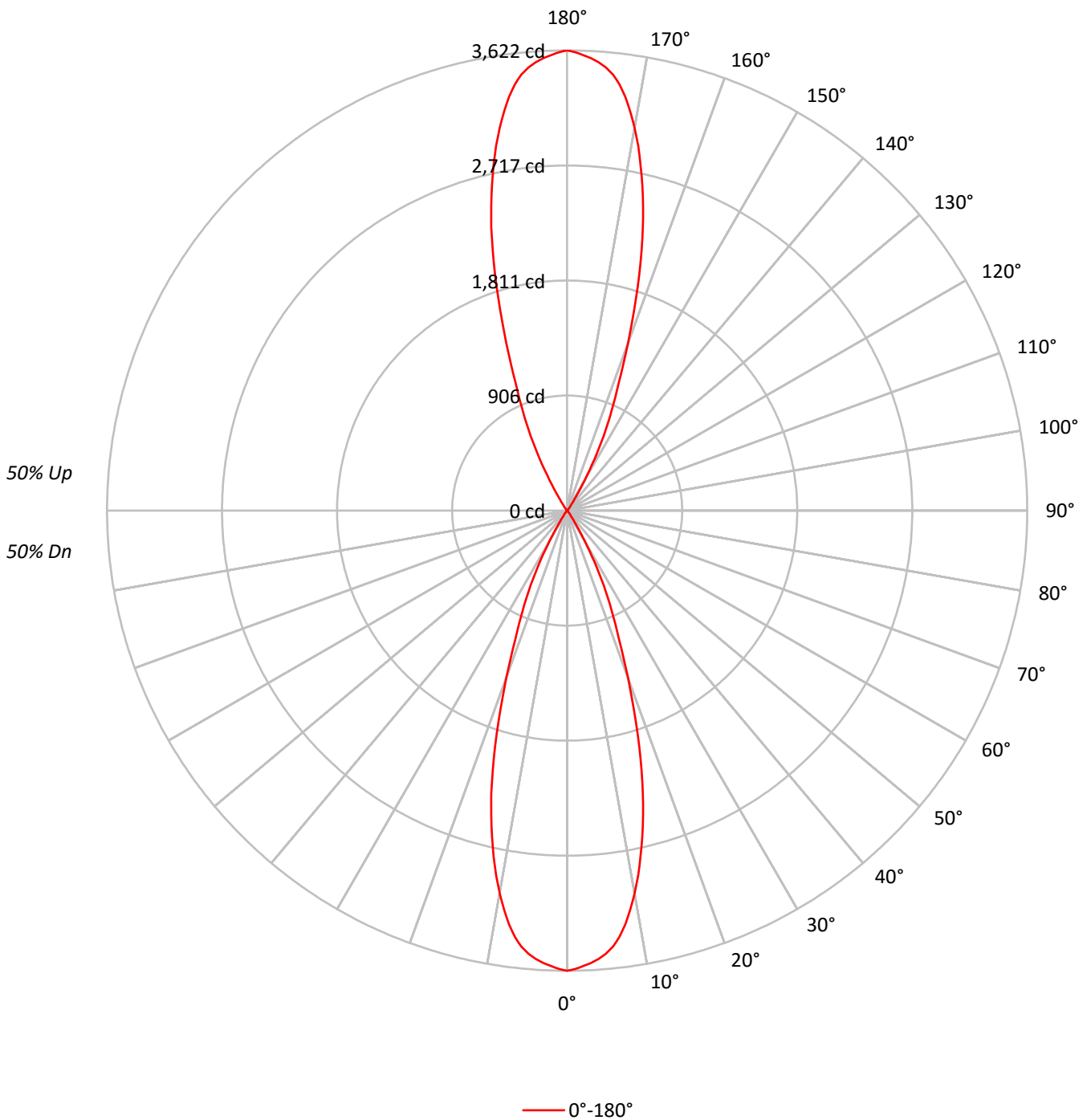
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	95	92	93	90	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67		62	60	59		52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62		58	56	55		50	49	48	44
4	84	76	71	66	78	72	67	63	63	60	57		55	53	51		48	47	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	42	39
7	72	62	56	52	67	59	54	50	54	50	47		48	45	43		43	41	40	38
8	68	59	53	49	64	56	51	47	51	47	44		46	43	41		42	40	38	36
9	65	56	50	46	61	53	48	45	49	45	42		44	41	39		40	38	37	35
10	62	53	47	44	59	51	46	42	46	43	40		42	40	38		39	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	794257
5°	770722
10°	681350
15°	523227
20°	325692
25°	183640
30°	69732
35°	14937
40°	5840
45°	1861
50°	1535
55°	1147
60°	1009
65°	1193
70°	962
75°	1271
80°	1010
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	11.9
10°-20°	618.5	22.9
20°-30°	344.9	12.8
30°-40°	52.1	1.9
40°-50°	5.8	0.2
50°-60°	2.9	0.1
60°-70°	2.0	0.1
70°-80°	1.3	0.0
80°-90°	0.3	0.0
90°-100°	0.5	0.0
100°-110°	1.3	0.0
110°-120°	2.0	0.1
120°-130°	2.9	0.1
130°-140°	5.8	0.2
140°-150°	52.1	1.9
150°-160°	344.9	12.8
160°-170°	618.5	22.9
170°-180°	320.5	11.9
0°-30°	1283.9	47.6
0°-40°	1336.0	49.5
0°-60°	1344.7	49.9
0°-90°	1348.3	50.0
90°-120°	3.8	0.1
90°-150°	64.6	2.4
90°-180°	1349.0	50.0
0°-180°	2696.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3622	
5°	3501	321
15°	2305	618
25°	759	345
35°	56	52
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	0
95°	0	0
105°	2	1
115°	2	2
125°	3	3
135°	6	6
145°	56	52
155°	759	345
165°	2305	618
175°	3501	321
180°	3622	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3622.1
1°	3609.2
2°	3588.1
3°	3566.2
4°	3538.3
5°	3501.4
6°	3451.6
7°	3379.9
8°	3287.8
9°	3179.2
10°	3060.0
11°	2926.5
12°	2781.6
13°	2631.5
14°	2470.8
15°	2304.8
16°	2125.3
17°	1939.7
18°	1751.1
19°	1570.7
20°	1395.7
21°	1233.5
22°	1090.2
23°	969.5
24°	864.6
25°	759.0
26°	655.6
27°	555.3
28°	457.9
29°	364.4
30°	275.4
32.5°	110.1
35°	55.8
37.5°	34.7
40°	20.4
42.5°	7.5
45°	6.0
47.5°	4.5
50°	4.5
52.5°	3.8
55°	3.0
57.5°	3.0
60°	2.3
62.5°	2.3
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.5
107.5°	1.5
110°	1.5
112.5°	1.5
115°	2.3
117.5°	2.3
120°	2.3
122.5°	3.0
125°	3.0
127.5°	3.8
130°	4.5
132.5°	4.5
135°	6.0
137.5°	7.5
140°	20.4
142.5°	34.7
145°	55.8
147.5°	110.1
150°	275.4
151°	364.4
152°	457.9
153°	555.3
154°	655.6
155°	759.0
156°	864.6
157°	969.5
158°	1090.2
159°	1233.5
160°	1395.7
161°	1570.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1751.1
163°	1939.7
164°	2125.3
165°	2304.8
166°	2470.8
167°	2631.5
168°	2781.6
169°	2926.5
170°	3060.0
171°	3179.2
172°	3287.8
173°	3379.9
174°	3451.6
175°	3501.4
176°	3538.3
177°	3566.2
178°	3588.1
179°	3609.2
180°	3622.1

(END OF REPORT)