

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: P221624

Luminaire Tested: **9003-W2-FL-LED3590-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED3590-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2623.9 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

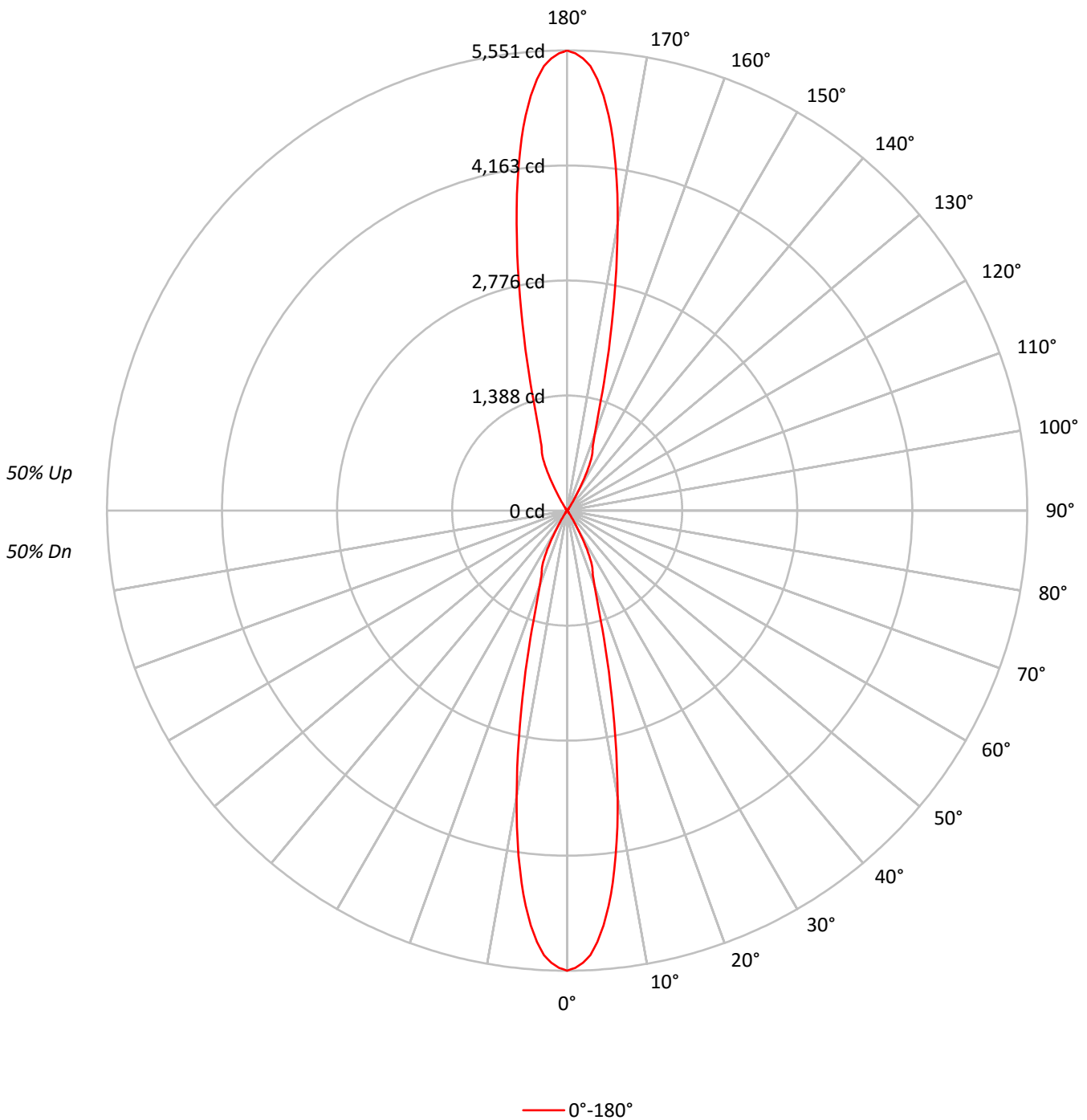
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	91	88	86	77	76	75	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	78	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45
4	85	77	71	67	79	72	68	64	64	60	58	56	54	52	49	47	46	43
5	80	72	66	62	75	68	63	59	60	57	54	54	51	49	47	46	44	42
6	76	67	61	57	71	64	59	55	57	54	51	51	49	47	46	44	43	40
7	72	63	58	54	68	60	55	52	55	51	48	49	47	45	44	42	41	39
8	69	60	54	50	65	57	52	49	52	48	46	47	45	43	43	41	40	38
9	66	57	51	48	62	55	50	46	50	46	44	46	43	41	41	40	38	37
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1217183
5°	1106006
10°	781682
15°	422431
20°	224650
25°	165251
30°	66719
35°	12769
40°	6698
45°	3008
50°	2490
55°	2179
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.5	16.4
10°-20°	525.2	20.0
20°-30°	289.1	11.0
30°-40°	47.9	1.8
40°-50°	8.8	0.3
50°-60°	5.1	0.2
60°-70°	3.2	0.1
70°-80°	1.7	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.7	0.1
110°-120°	3.2	0.1
120°-130°	5.1	0.2
130°-140°	8.8	0.3
140°-150°	47.9	1.8
150°-160°	289.1	11.0
160°-170°	525.2	20.0
170°-180°	430.5	16.4
0°-30°	1244.8	47.4
0°-40°	1292.7	49.3
0°-60°	1306.6	49.8
0°-90°	1312.0	50.0
90°-120°	5.4	0.2
90°-150°	67.2	2.6
90°-180°	1312.0	50.0
0°-180°	2623.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5551	
5°	5025	431
15°	1861	525
25°	683	289
35°	48	48
45°	10	9
55°	6	5
65°	3	3
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	3	3
125°	6	5
135°	10	9
145°	48	48
155°	683	289
165°	1861	525
175°	5025	431
180°	5551	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5550.8
1°	5516.8
2°	5459.4
3°	5368.9
4°	5215.3
5°	5024.6
6°	4794.2
7°	4520.2
8°	4208.1
9°	3866.2
10°	3510.6
11°	3151.7
12°	2799.2
13°	2462.2
14°	2151.0
15°	1860.8
16°	1610.2
17°	1384.7
18°	1208.4
19°	1067.8
20°	962.7
21°	882.7
22°	824.5
23°	783.3
24°	742.0
25°	683.0
26°	609.5
27°	527.0
28°	437.3
29°	349.2
30°	263.5
32.5°	95.4
35°	47.7
37.5°	33.9
40°	23.4
42.5°	12.1
45°	9.7
47.5°	8.9
50°	7.3
52.5°	6.5
55°	5.7
57.5°	4.8
60°	4.0
62.5°	4.0
65°	3.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	1.6
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°	1.6
105°	1.6
107.5°	1.6
110°	2.4
112.5°	2.4
115°	3.2
117.5°	4.0
120°	4.0
122.5°	4.8
125°	5.7
127.5°	6.5
130°	7.3
132.5°	8.9
135°	9.7
137.5°	12.1
140°	23.4
142.5°	33.9
145°	47.7
147.5°	95.4
150°	263.5
151°	349.2
152°	437.3
153°	527.0
154°	609.5
155°	683.0
156°	742.0
157°	783.3
158°	824.5
159°	882.7
160°	962.7
161°	1067.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1208.4
163°	1384.7
164°	1610.2
165°	1860.8
166°	2151.0
167°	2462.2
168°	2799.2
169°	3151.7
170°	3510.6
171°	3866.2
172°	4208.1
173°	4520.2
174°	4794.2
175°	5024.6
176°	5215.3
177°	5368.9
178°	5459.4
179°	5516.8
180°	5550.8

(END OF REPORT)