

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: P221675

Luminaire Tested: **9003-W2-FL-LED4097-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221675
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-LED4097-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1461.6 lumens
Efficiency: N/A
Efficacy: 74.6 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

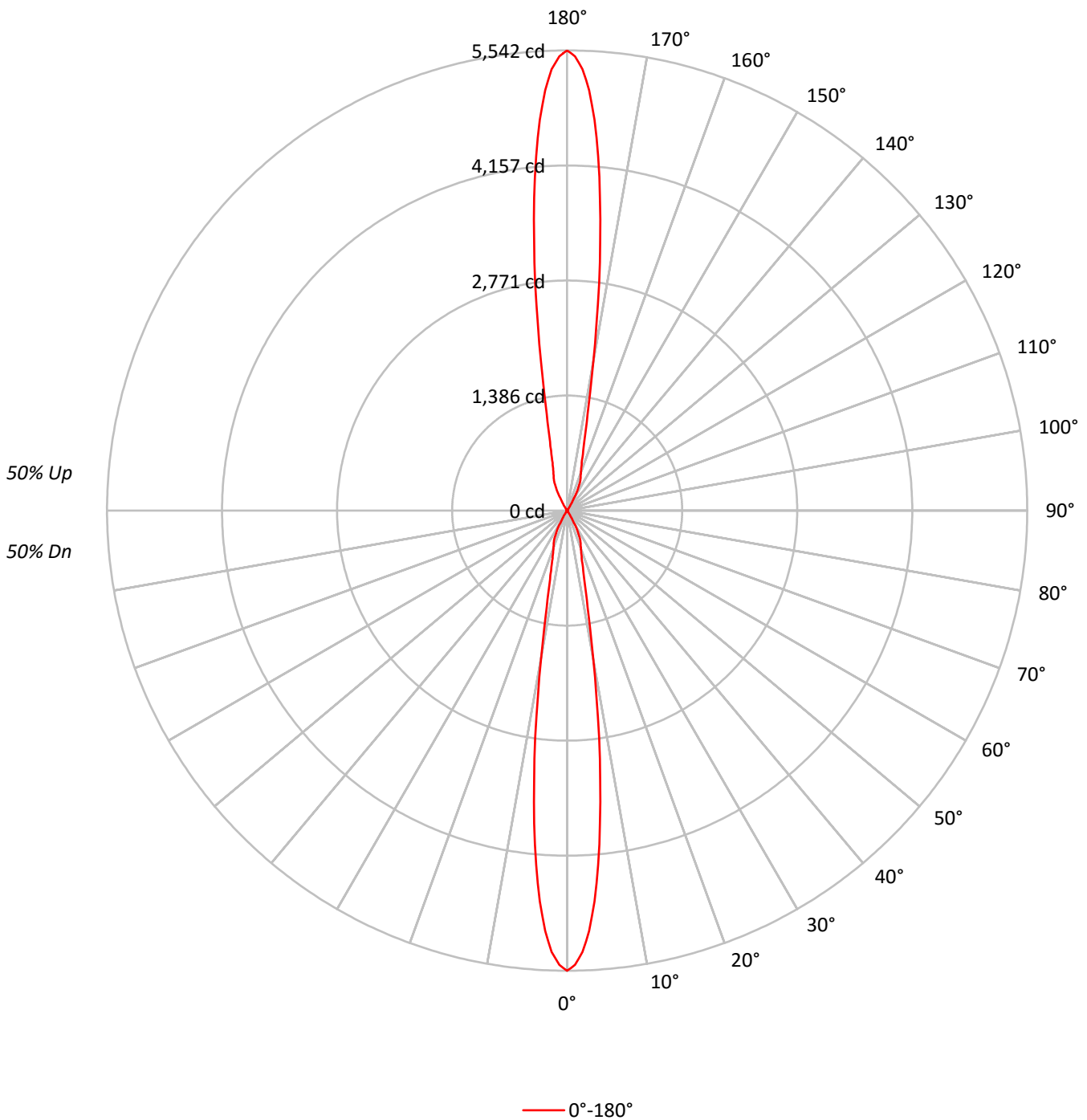
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1215232
5°	943515
10°	403065
15°	170421
20°	112966
25°	84682
30°	32435
35°	4952
40°	2719
45°	1209
50°	887
55°	803
60°	921
65°	882
70°	833
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.9	22.2
10°-20°	229.5	15.7
20°-30°	148.0	10.1
30°-40°	21.3	1.5
40°-50°	3.4	0.2
50°-60°	2.0	0.1
60°-70°	1.6	0.1
70°-80°	0.8	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.1
110°-120°	1.6	0.1
120°-130°	2.0	0.1
130°-140°	3.4	0.2
140°-150°	21.3	1.5
150°-160°	148.0	10.1
160°-170°	229.5	15.7
170°-180°	323.9	22.2
0°-30°	701.4	48.0
0°-40°	722.8	49.4
0°-60°	728.2	49.8
0°-90°	730.8	50.0
90°-120°	2.7	0.2
90°-150°	29.4	2.0
90°-180°	731.0	50.0
0°-180°	1461.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5542	
5°	4286	324
15°	751	230
25°	350	148
35°	18	21
45°	4	3
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	18	21
155°	350	148
165°	751	230
175°	4286	324
180°	5542	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5541.9
1°	5472.7
2°	5319.6
3°	5068.1
4°	4718.1
5°	4286.4
6°	3790.2
7°	3272.1
8°	2759.6
9°	2253.0
10°	1810.2
11°	1448.6
12°	1188.0
13°	997.5
14°	856.1
15°	750.7
16°	663.9
17°	600.7
18°	555.5
19°	516.0
20°	484.1
21°	456.6
22°	432.6
23°	410.2
24°	384.4
25°	350.0
26°	309.6
27°	266.2
28°	218.9
29°	172.0
30°	128.1
32.5°	42.6
35°	18.5
37.5°	13.3
40°	9.5
42.5°	4.7
45°	3.9
47.5°	3.0
50°	2.6
52.5°	2.6
55°	2.1
57.5°	2.1
60°	2.1
62.5°	1.7
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.9
107.5°	0.9
110°	1.3
112.5°	1.3
115°	1.7
117.5°	1.7
120°	2.1
122.5°	2.1
125°	2.1
127.5°	2.6
130°	2.6
132.5°	3.0
135°	3.9
137.5°	4.7
140°	9.5
142.5°	13.3
145°	18.5
147.5°	42.6
150°	128.1
151°	172.0
152°	218.9
153°	266.2
154°	309.6
155°	350.0
156°	384.4
157°	410.2
158°	432.6
159°	456.6
160°	484.1
161°	516.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	555.5
163°	600.7
164°	663.9
165°	750.7
166°	856.1
167°	997.5
168°	1188.0
169°	1448.6
170°	1810.2
171°	2253.0
172°	2759.6
173°	3272.1
174°	3790.2
175°	4286.4
176°	4718.1
177°	5068.1
178°	5319.6
179°	5472.7
180°	5541.9

(END OF REPORT)