

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: P221670

Luminaire Tested: **9003-W2-FL-LED4097-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221670
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-LED4097-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2574.1 lumens
Efficiency: N/A
Efficacy: 64.0 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

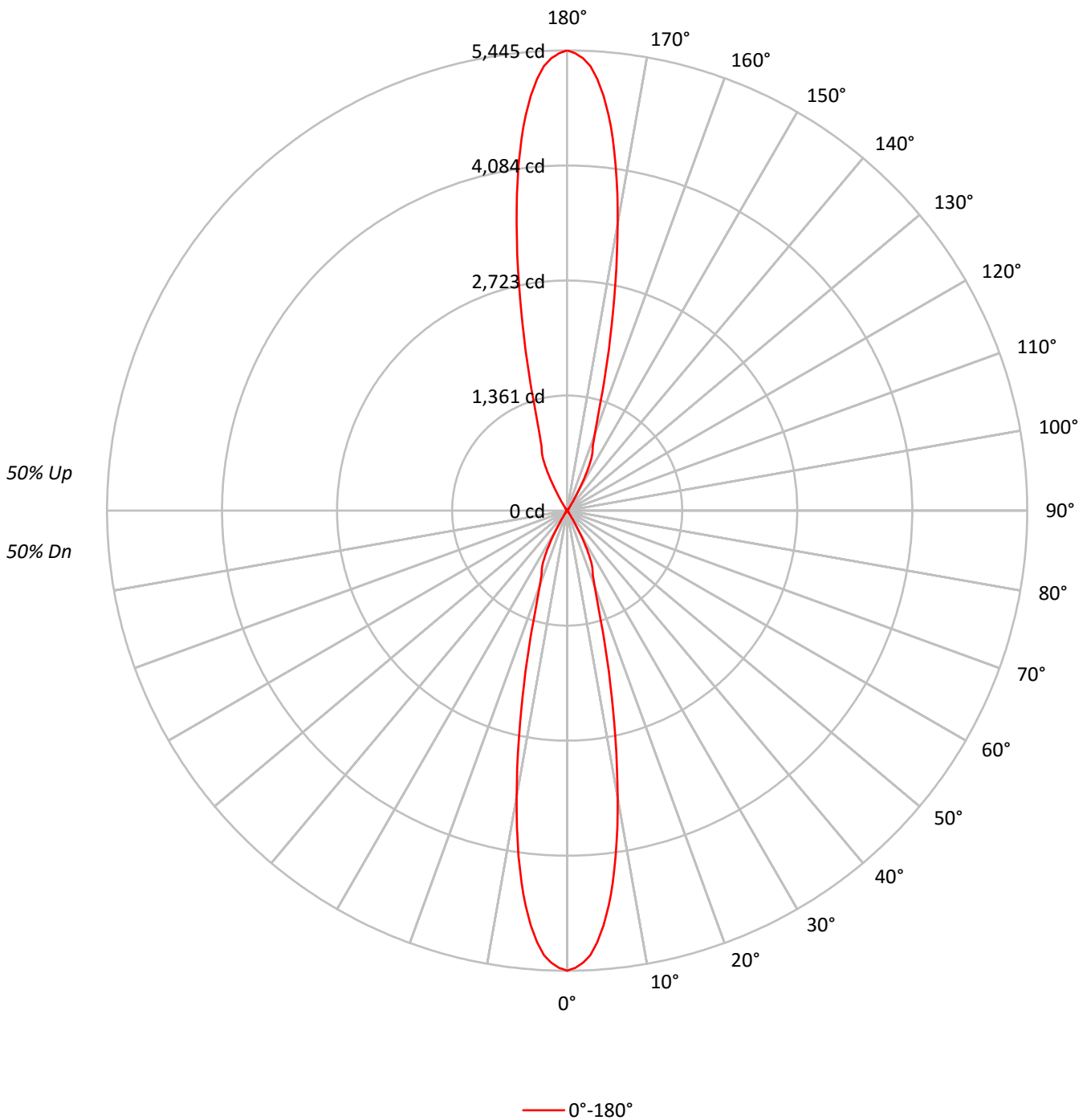
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1193961
5°	1084897
10°	766764
15°	414372
20°	220356
25°	162106
30°	65453
35°	12528
40°	6584
45°	2946
50°	2422
55°	2141
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.3	16.4
10°-20°	515.2	20.0
20°-30°	283.6	11.0
30°-40°	47.1	1.8
40°-50°	8.6	0.3
50°-60°	5.0	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°	5.0	0.2
130°-140°	8.6	0.3
140°-150°	47.1	1.8
150°-160°	283.6	11.0
160°-170°	515.2	20.0
170°-180°	422.3	16.4
0°-30°	1221.0	47.4
0°-40°	1268.1	49.3
0°-60°	1281.7	49.8
0°-90°	1287.1	50.0
90°-120°	5.4	0.2
90°-150°	66.0	2.6
90°-180°	1287.0	50.0
0°-180°	2574.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5445	
5°	4929	422
15°	1825	515
25°	670	284
35°	47	47
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°	47	47
155°	670	284
165°	1825	515
175°	4929	422
180°	5445	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5444.9
1°	5411.6
2°	5355.3
3°	5266.5
4°	5115.8
5°	4928.7
6°	4702.7
7°	4433.9
8°	4127.8
9°	3792.4
10°	3443.6
11°	3091.5
12°	2745.8
13°	2415.2
14°	2109.9
15°	1825.3
16°	1579.5
17°	1358.2
18°	1185.4
19°	1047.4
20°	944.3
21°	865.8
22°	808.8
23°	768.3
24°	727.9
25°	670.0
26°	597.8
27°	517.0
28°	429.0
29°	342.5
30°	258.5
32.5°	93.6
35°	46.8
37.5°	33.3
40°	23.0
42.5°	11.9
45°	9.5
47.5°	8.7
50°	7.1
52.5°	6.3
55°	5.6
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°	5.6
127.5°	6.3
130°	7.1
132.5°	8.7
135°	9.5
137.5°	11.9
140°	23.0
142.5°	33.3
145°	46.8
147.5°	93.6
150°	258.5
151°	342.5
152°	429.0
153°	517.0
154°	597.8
155°	670.0
156°	727.9
157°	768.3
158°	808.8
159°	865.8
160°	944.3
161°	1047.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1185.4
163°	1358.2
164°	1579.5
165°	1825.3
166°	2109.9
167°	2415.2
168°	2745.8
169°	3091.5
170°	3443.6
171°	3792.4
172°	4127.8
173°	4433.9
174°	4702.7
175°	4928.7
176°	5115.8
177°	5266.5
178°	5355.3
179°	5411.6
180°	5444.9

(END OF REPORT)