

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: P221590

Luminaire Tested: **9003-W2-FL-LED3090-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221590
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-LED3090-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2590.8 lumens
Efficiency: N/A
Efficacy: 64.4 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

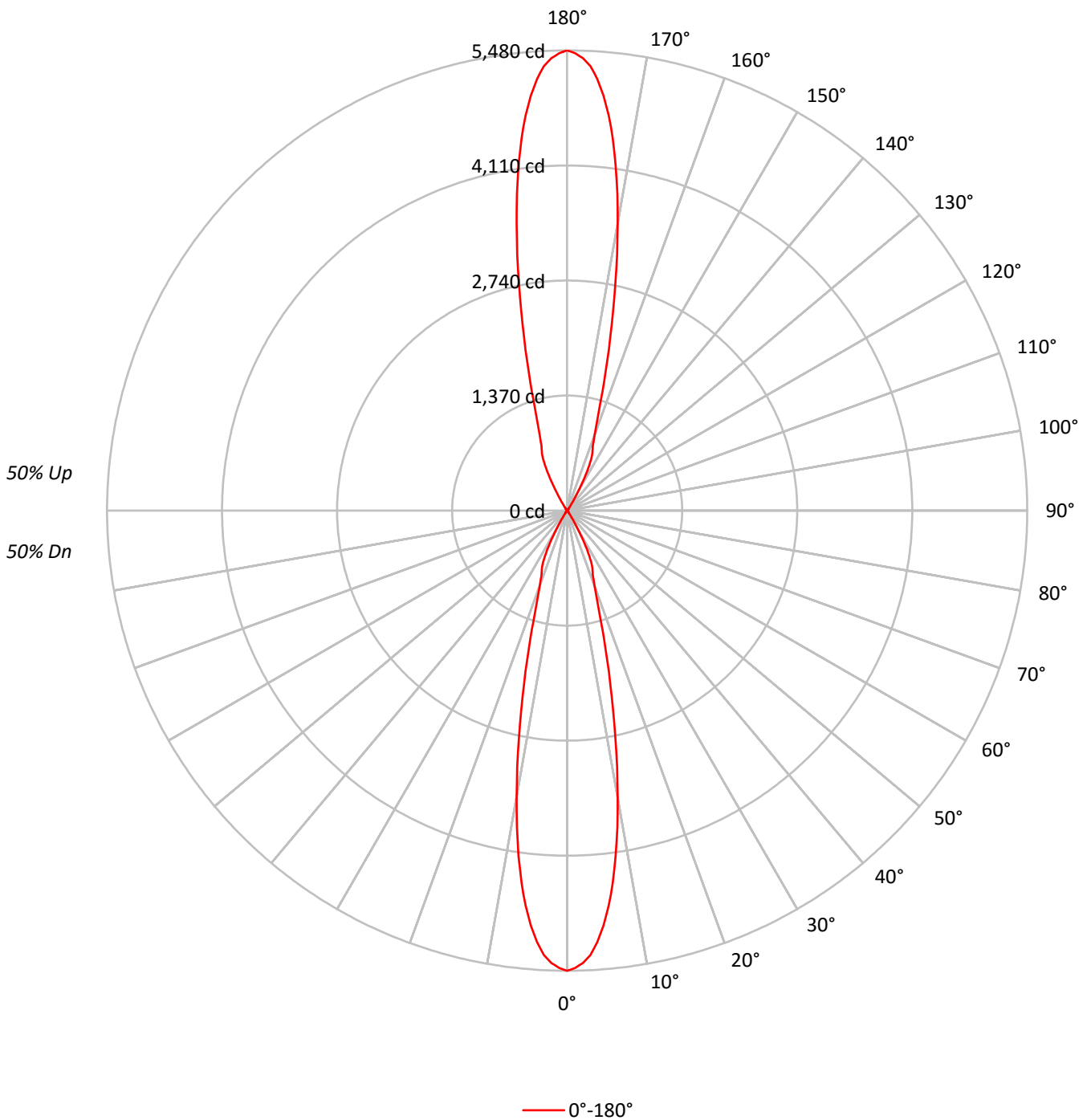
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1201724
5°	1091963
10°	771751
15°	417051
20°	221803
25°	163171
30°	65884
35°	12608
40°	6612
45°	2977
50°	2456
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°	425.0	16.4
10°-20°	518.5	20.0
20°-30°	285.4	11.0
30°-40°	47.3	1.8
40°-50°	8.7	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°	8.7	0.3
140°-150°	47.3	1.8
150°-160°	285.4	11.0
160°-170°	518.5	20.0
170°-180°	425.0	16.4
0°-30°	1229.0	47.4
0°-40°	1276.3	49.3
0°-60°	1290.0	49.8
0°-90°	1295.4	50.0
90°-120°	5.4	0.2
90°-150°	66.4	2.6
90°-180°	1295.0	50.0
0°-180°	2590.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5480	
5°	4961	425
15°	1837	519
25°	674	285
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°	674	285
165°	1837	519
175°	4961	425
180°	5480	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5480.3
1°	5446.8
2°	5390.1
3°	5300.7
4°	5149.1
5°	4960.8
6°	4733.3
7°	4462.8
8°	4154.7
9°	3817.1
10°	3466.0
11°	3111.6
12°	2763.7
13°	2430.9
14°	2123.6
15°	1837.1
16°	1589.7
17°	1367.1
18°	1193.1
19°	1054.2
20°	950.5
21°	871.5
22°	814.0
23°	773.3
24°	732.6
25°	674.4
26°	601.7
27°	520.3
28°	431.8
29°	344.8
30°	260.2
32.5°	94.2
35°	47.1
37.5°	33.5
40°	23.1
42.5°	12.0
45°	9.6
47.5°	8.8
50°	7.2
52.5°	6.4
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°	6.4
130°	7.2
132.5°	8.8
135°	9.6
137.5°	12.0
140°	23.1
142.5°	33.5
145°	47.1
147.5°	94.2
150°	260.2
151°	344.8
152°	431.8
153°	520.3
154°	601.7
155°	674.4
156°	732.6
157°	773.3
158°	814.0
159°	871.5
160°	950.5
161°	1054.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	1193.1
163°	1367.1
164°	1589.7
165°	1837.1
166°	2123.6
167°	2430.9
168°	2763.7
169°	3111.6
170°	3466.0
171°	3817.1
172°	4154.7
173°	4462.8
174°	4733.3
175°	4960.8
176°	5149.1
177°	5300.7
178°	5390.1
179°	5446.8
180°	5480.3

(END OF REPORT)