

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: P221558

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221558
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-LED2790-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2449.2 lumens
Efficiency: N/A
Efficacy: 60.9 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

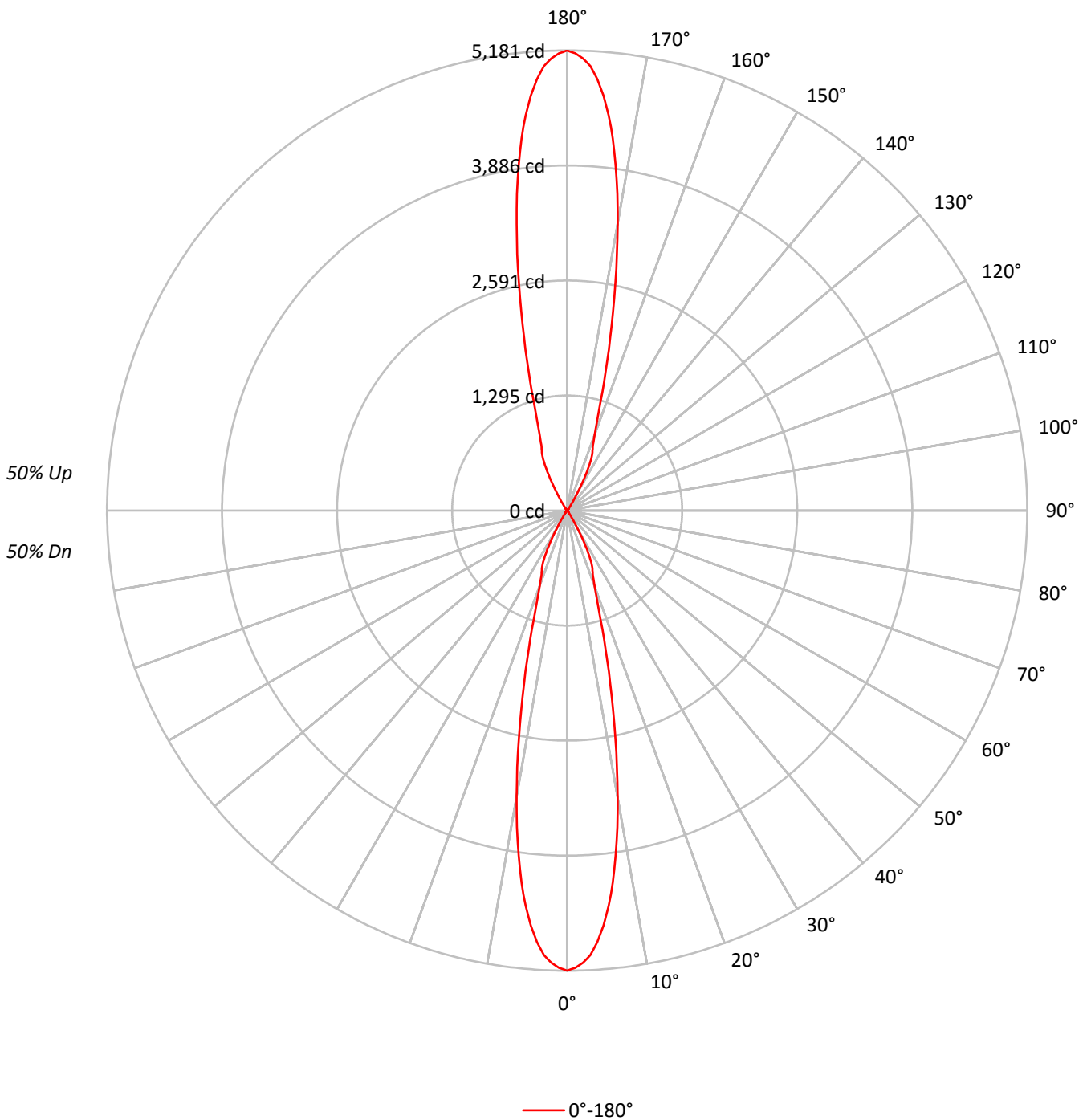
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1136027
5°	1032267
10°	729557
15°	394259
20°	209668
25°	154243
30°	62263
35°	11912
40°	6269
45°	2822
50°	2320
55°	2026
60°	1667
65°	1557
70°	1475
75°	1271
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.8	16.4
10°-20°	490.2	20.0
20°-30°	269.8	11.0
30°-40°	44.8	1.8
40°-50°	8.2	0.3
50°-60°	4.7	0.2
60°-70°	3.0	0.1
70°-80°	1.6	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.6	0.1
110°-120°	3.0	0.1
120°-130°	4.7	0.2
130°-140°	8.2	0.3
140°-150°	44.8	1.8
150°-160°	269.8	11.0
160°-170°	490.2	20.0
170°-180°	401.8	16.4
0°-30°	1161.8	47.4
0°-40°	1206.5	49.3
0°-60°	1219.5	49.8
0°-90°	1224.6	50.0
90°-120°	5.1	0.2
90°-150°	62.8	2.6
90°-180°	1225.0	50.0
0°-180°	2449.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5181	
5°	4690	402
15°	1737	490
25°	638	270
35°	44	45
45°	9	8
55°	5	5
65°	3	3
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	3	3
125°	5	5
135°	9	8
145°	44	45
155°	638	270
165°	1737	490
175°	4690	402
180°	5181	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5180.7
1°	5149.0
2°	5095.5
3°	5011.0
4°	4867.6
5°	4689.6
6°	4474.6
7°	4218.8
8°	3927.6
9°	3608.5
10°	3276.5
11°	2941.5
12°	2612.6
13°	2298.0
14°	2007.6
15°	1736.7
16°	1502.8
17°	1292.3
18°	1127.9
19°	996.6
20°	898.5
21°	823.8
22°	769.5
23°	731.0
24°	692.6
25°	637.5
26°	568.8
27°	491.9
28°	408.1
29°	325.9
30°	245.9
32.5°	89.0
35°	44.5
37.5°	31.7
40°	21.9
42.5°	11.3
45°	9.1
47.5°	8.3
50°	6.8
52.5°	6.0
55°	5.3
57.5°	4.5
60°	3.8
62.5°	3.8
65°	3.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	2.3
72.5°	1.5
75°	1.5
77.5°	1.5
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°	1.5
105°	1.5
107.5°	1.5
110°	2.3
112.5°	2.3
115°	3.0
117.5°	3.8
120°	3.8
122.5°	4.5
125°	5.3
127.5°	6.0
130°	6.8
132.5°	8.3
135°	9.1
137.5°	11.3
140°	21.9
142.5°	31.7
145°	44.5
147.5°	89.0
150°	245.9
151°	325.9
152°	408.1
153°	491.9
154°	568.8
155°	637.5
156°	692.6
157°	731.0
158°	769.5
159°	823.8
160°	898.5
161°	996.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1127.9
163°	1292.3
164°	1502.8
165°	1736.7
166°	2007.6
167°	2298.0
168°	2612.6
169°	2941.5
170°	3276.5
171°	3608.5
172°	3927.6
173°	4218.8
174°	4474.6
175°	4689.6
176°	4867.6
177°	5011.0
178°	5095.5
179°	5149.0
180°	5180.7

(END OF REPORT)