

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: P222109

Luminaire Tested: **9004-W2-FL-LED4080-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED4080-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4283.8 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

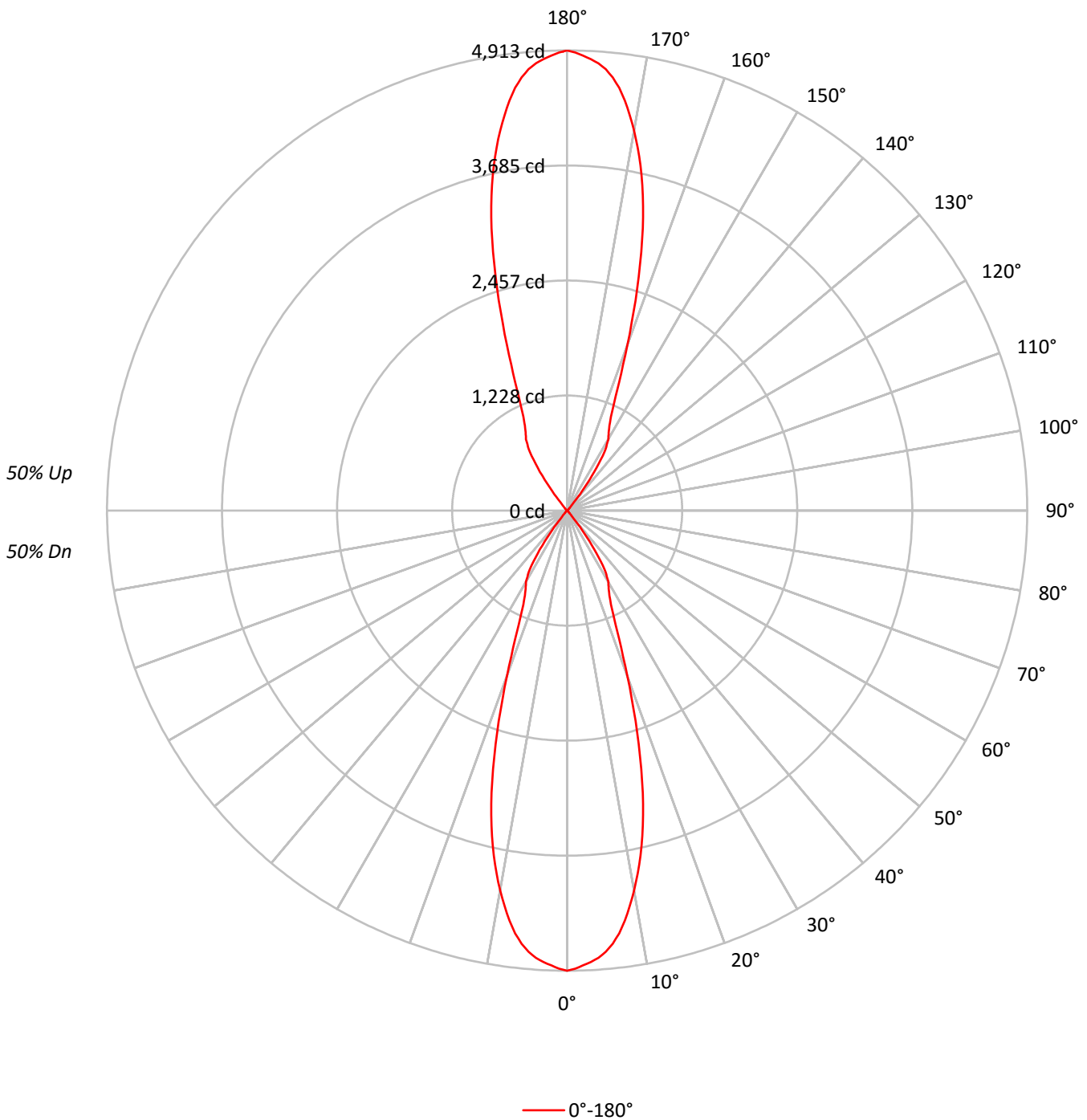
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	44	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	605997
5°	585567
10°	515961
15°	398401
20°	247310
25°	150850
30°	125108
35°	76358
40°	12930
45°	4710
50°	1036
55°	495
60°	370
65°	438
70°	289
75°	381
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	10.1
10°-20°	835.4	19.5
20°-30°	544.1	12.7
30°-40°	302.2	7.1
40°-50°	23.6	0.6
50°-60°	2.5	0.1
60°-70°	1.4	0.0
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	1.4	0.0
120°-130°	2.5	0.1
130°-140°	23.6	0.6
140°-150°	302.2	7.1
150°-160°	544.1	12.7
160°-170°	835.4	19.5
170°-180°	432.0	10.1
0°-30°	1811.5	42.3
0°-40°	2113.6	49.3
0°-60°	2139.7	50.0
0°-90°	2141.9	50.0
90°-120°	2.1	0.0
90°-150°	330.4	7.7
90°-180°	2142.0	50.0
0°-180°	4283.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4913	
5°	4729	432
15°	3120	835
25°	1108	544
35°	507	302
45°	27	24
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	2	2
135°	27	24
145°	507	302
155°	1108	544
165°	3120	835
175°	4729	432
180°	4913	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4913.0
1°	4891.4
2°	4859.7
3°	4826.5
4°	4787.2
5°	4729.3
6°	4651.3
7°	4548.7
8°	4421.3
9°	4275.4
10°	4119.5
11°	3949.7
12°	3765.2
13°	3567.6
14°	3349.9
15°	3119.9
16°	2869.8
17°	2608.9
18°	2361.9
19°	2113.4
20°	1884.1
21°	1668.0
22°	1480.5
23°	1323.8
24°	1201.8
25°	1108.4
26°	1040.5
27°	986.5
28°	944.0
29°	910.0
30°	878.4
32.5°	744.9
35°	507.1
37.5°	260.1
40°	80.3
42.5°	38.6
45°	27.0
47.5°	17.0
50°	5.4
52.5°	3.1
55°	2.3
57.5°	2.3
60°	1.5
62.5°	1.5
65°	1.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	1.5
115°	1.5
117.5°	1.5
120°	1.5
122.5°	2.3
125°	2.3
127.5°	3.1
130°	5.4
132.5°	17.0
135°	27.0
137.5°	38.6
140°	80.3
142.5°	260.1
145°	507.1
147.5°	744.9
150°	878.4
151°	910.0
152°	944.0
153°	986.5
154°	1040.5
155°	1108.4
156°	1201.8
157°	1323.8
158°	1480.5
159°	1668.0
160°	1884.1
161°	2113.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	2361.9
163°	2608.9
164°	2869.8
165°	3119.9
166°	3349.9
167°	3567.6
168°	3765.2
169°	3949.7
170°	4119.5
171°	4275.4
172°	4421.3
173°	4548.7
174°	4651.3
175°	4729.3
176°	4787.2
177°	4826.5
178°	4859.7
179°	4891.4
180°	4913.0

(END OF REPORT)