

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: P222013

Luminaire Tested: **9004-W2-FL-LED3090-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222013
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-LED3090-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3418.7 lumens
Efficiency: N/A
Efficacy: 85.0 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

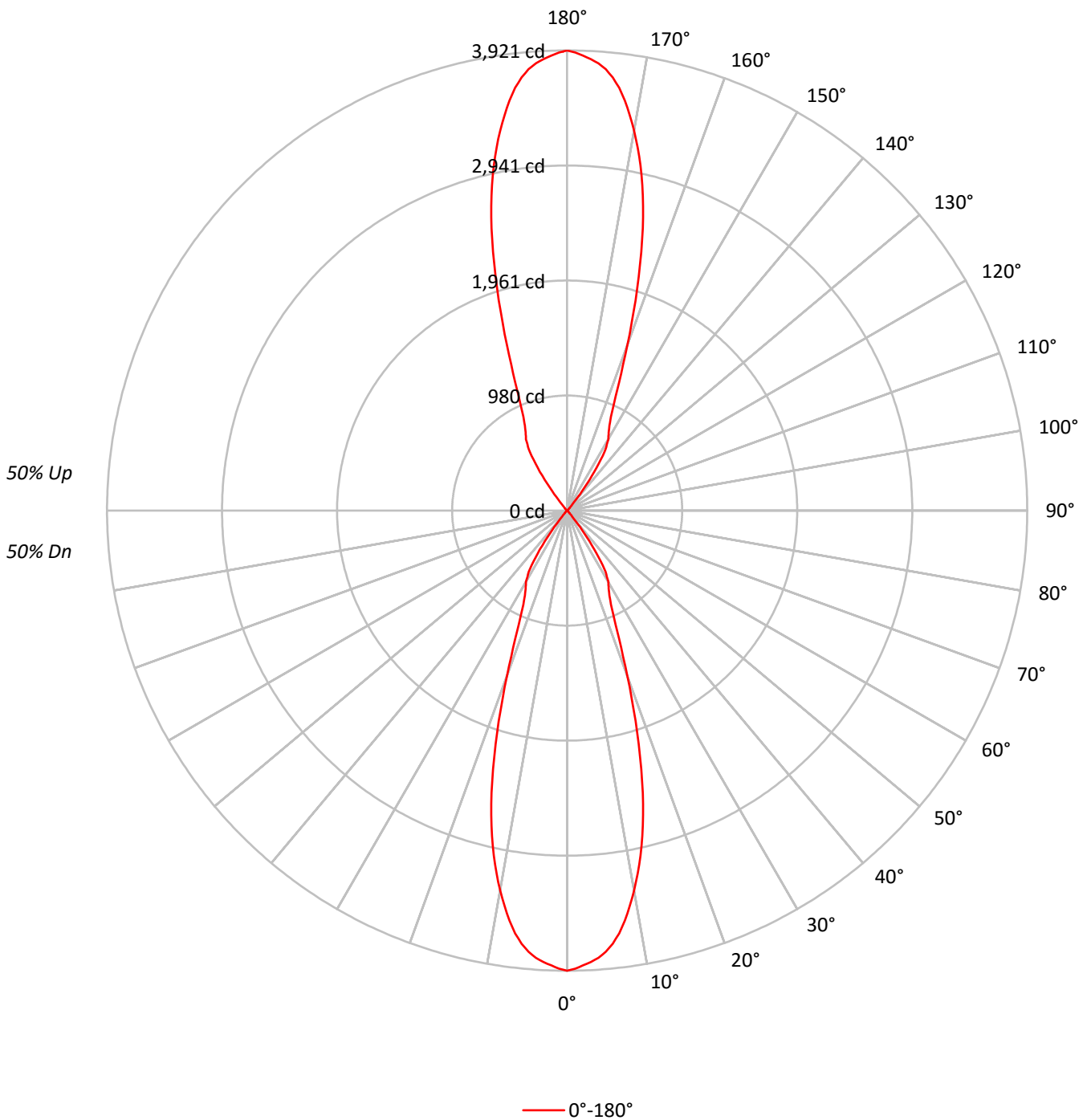
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	483626
5°	467322
10°	411767
15°	317952
20°	197378
25°	120391
30°	99842
35°	60939
40°	10321
45°	3768
50°	825
55°	387
60°	296
65°	350
70°	216
75°	286
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.8	10.1
10°-20°	666.7	19.5
20°-30°	434.2	12.7
30°-40°	241.1	7.1
40°-50°	18.9	0.6
50°-60°	2.0	0.1
60°-70°	1.1	0.0
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.1	0.0
120°-130°	2.0	0.1
130°-140°	18.9	0.6
140°-150°	241.1	7.1
150°-160°	434.2	12.7
160°-170°	666.7	19.5
170°-180°	344.8	10.1
0°-30°	1445.7	42.3
0°-40°	1686.8	49.3
0°-60°	1707.7	50.0
0°-90°	1709.3	50.0
90°-120°	1.7	0.0
90°-150°	263.6	7.7
90°-180°	1709.0	50.0
0°-180°	3418.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3921	
5°	3774	345
15°	2490	667
25°	885	434
35°	405	241
45°	22	19
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	22	19
145°	405	241
155°	885	434
165°	2490	667
175°	3774	345
180°	3921	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3920.9
1°	3903.6
2°	3878.4
3°	3851.9
4°	3820.5
5°	3774.3
6°	3712.0
7°	3630.1
8°	3528.5
9°	3412.1
10°	3287.6
11°	3152.1
12°	3004.9
13°	2847.2
14°	2673.5
15°	2489.9
16°	2290.3
17°	2082.1
18°	1885.0
19°	1686.6
20°	1503.7
21°	1331.2
22°	1181.5
23°	1056.4
24°	959.1
25°	884.6
26°	830.4
27°	787.3
28°	753.4
29°	726.3
30°	701.0
32.5°	594.4
35°	404.7
37.5°	207.6
40°	64.1
42.5°	30.8
45°	21.6
47.5°	13.6
50°	4.3
52.5°	2.5
55°	1.8
57.5°	1.8
60°	1.2
62.5°	1.2
65°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.2
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
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°	0.6
105°	0.6
107.5°	0.6
110°	0.6
112.5°	1.2
115°	1.2
117.5°	1.2
120°	1.2
122.5°	1.8
125°	1.8
127.5°	2.5
130°	4.3
132.5°	13.6
135°	21.6
137.5°	30.8
140°	64.1
142.5°	207.6
145°	404.7
147.5°	594.4
150°	701.0
151°	726.3
152°	753.4
153°	787.3
154°	830.4
155°	884.6
156°	959.1
157°	1056.4
158°	1181.5
159°	1331.2
160°	1503.7
161°	1686.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1885.0
163°	2082.1
164°	2290.3
165°	2489.9
166°	2673.5
167°	2847.2
168°	3004.9
169°	3152.1
170°	3287.6
171°	3412.1
172°	3528.5
173°	3630.1
174°	3712.0
175°	3774.3
176°	3820.5
177°	3851.9
178°	3878.4
179°	3903.6
180°	3920.9

(END OF REPORT)