

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: P222061

Luminaire Tested: **9004-W2-FL-LED3590-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222061  
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-LED3590-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3462.6 lumens  
Efficiency: N/A  
Efficacy: 86.1 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

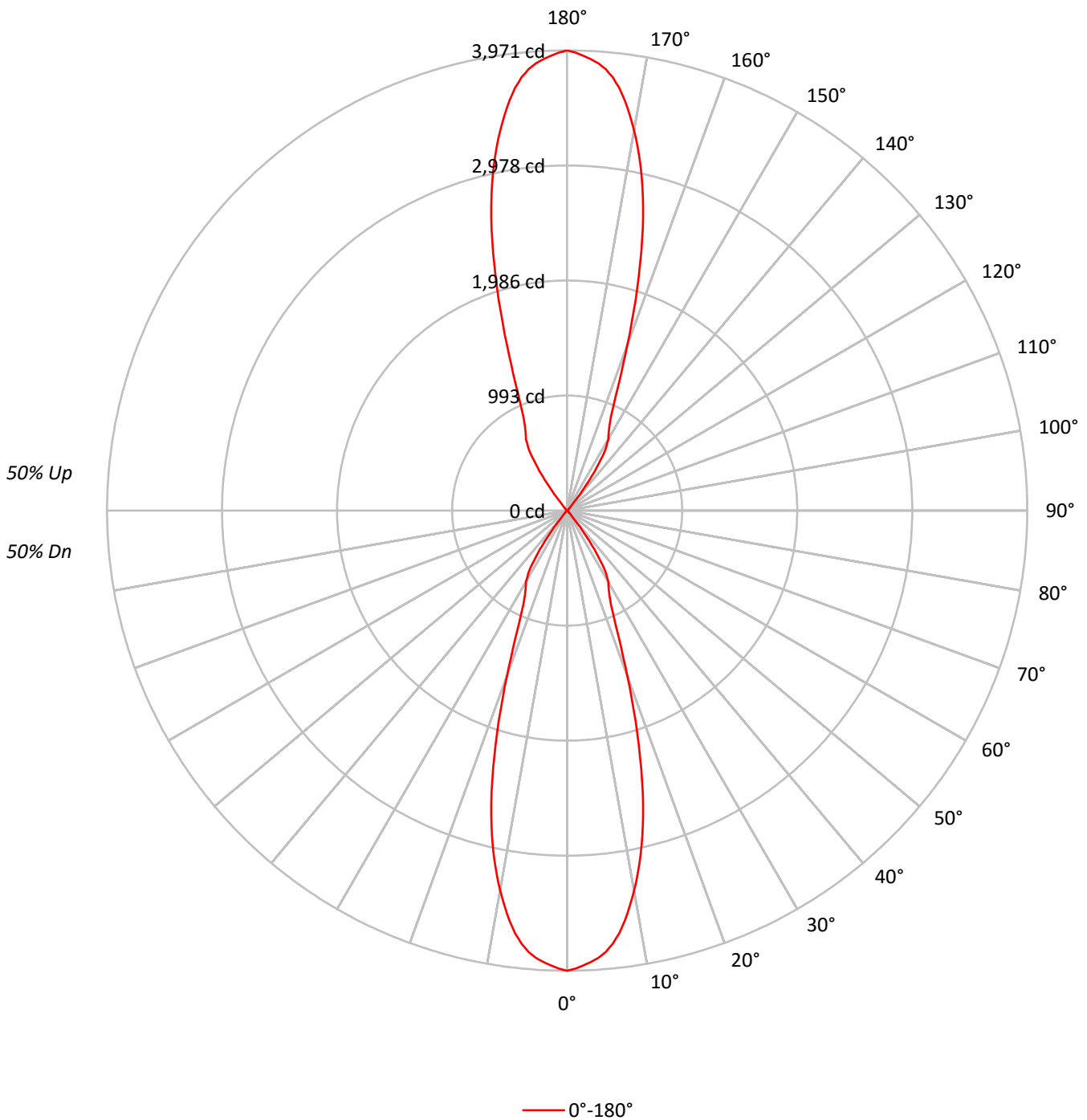
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	489842
5°	473327
10°	417065
15°	322039
20°	199912
25°	121943
30°	101123
35°	61722
40°	10450
45°	3803
50°	844
55°	409
60°	296
65°	350
70°	216
75°	286
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.2	10.1
10°-20°	675.3	19.5
20°-30°	439.8	12.7
30°-40°	244.2	7.1
40°-50°	19.1	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°	19.1	0.6
140°-150°	244.2	7.1
150°-160°	439.8	12.7
160°-170°	675.3	19.5
170°-180°	349.2	10.1
0°-30°	1464.3	42.3
0°-40°	1708.5	49.3
0°-60°	1729.6	50.0
0°-90°	1731.3	50.0
90°-120°	1.7	0.0
90°-150°	267.0	7.7
90°-180°	1731.0	50.0
0°-180°	3462.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3971	
5°	3823	349
15°	2522	675
25°	896	440
35°	410	244
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°	410	244
155°	896	440
165°	2522	675
175°	3823	349
180°	3971	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3971.3
1°	3953.8
2°	3928.2
3°	3901.4
4°	3869.6
5°	3822.8
6°	3759.8
7°	3676.8
8°	3573.9
9°	3455.9
10°	3329.9
11°	3192.6
12°	3043.5
13°	2883.8
14°	2707.8
15°	2521.9
16°	2319.8
17°	2108.9
18°	1909.2
19°	1708.3
20°	1523.0
21°	1348.3
22°	1196.7
23°	1070.0
24°	971.5
25°	896.0
26°	841.1
27°	797.4
28°	763.1
29°	735.6
30°	710.0
32.5°	602.1
35°	409.9
37.5°	210.3
40°	64.9
42.5°	31.2
45°	21.8
47.5°	13.7
50°	4.4
52.5°	2.5
55°	1.9
57.5°	1.9
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°	1.9
125°	1.9
127.5°	2.5
130°	4.4
132.5°	13.7
135°	21.8
137.5°	31.2
140°	64.9
142.5°	210.3
145°	409.9
147.5°	602.1
150°	710.0
151°	735.6
152°	763.1
153°	797.4
154°	841.1
155°	896.0
156°	971.5
157°	1070.0
158°	1196.7
159°	1348.3
160°	1523.0
161°	1708.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1909.2
163°	2108.9
164°	2319.8
165°	2521.9
166°	2707.8
167°	2883.8
168°	3043.5
169°	3192.6
170°	3329.9
171°	3455.9
172°	3573.9
173°	3676.8
174°	3759.8
175°	3822.8
176°	3869.6
177°	3901.4
178°	3928.2
179°	3953.8
180°	3971.3

(END OF REPORT)