

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: P221963

Luminaire Tested: **9004-W2-FL-LED2790-F-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221963  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-FL-LED2790-F-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

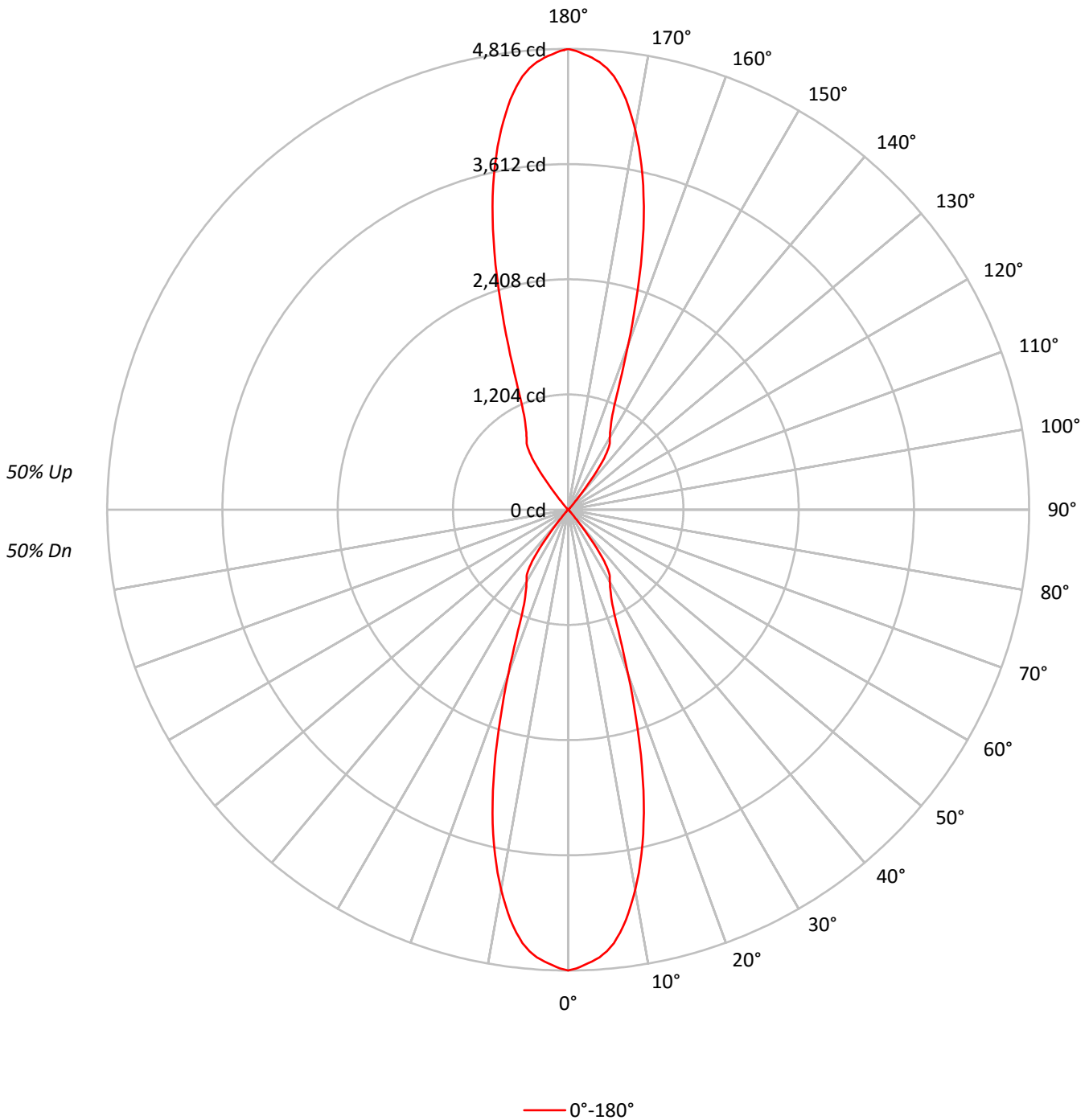
Lumens per Lamp: N/A  
Luminaire Lumens: 4331.9 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 57  
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	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		45	43	41	38
6	74	64	58	54	69	61	55	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44		46	43	41		41	39	37	35
8	66	56	50	46	62	54	48	44	48	44	41		44	41	38		39	37	35	33
9	63	53	47	43	59	50	45	42	46	42	39		41	38	36		37	35	34	32
10	60	50	44	40	56	48	43	39	44	39	37		40	37	34		36	34	32	30

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	593983
5°	573643
10°	505064
15°	387956
20°	239946
25°	148672
30°	123897
35°	99170
40°	21624
45°	4605
50°	864
55°	495
60°	370
65°	233
70°	289
75°	381
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	423.1	9.8
10°-20°	814.7	18.8
20°-30°	535.0	12.4
30°-40°	360.8	8.3
40°-50°	28.5	0.7
50°-60°	2.0	0.0
60°-70°	1.0	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°	1.0	0.0
120°-130°	2.0	0.0
130°-140°	28.5	0.7
140°-150°	360.8	8.3
150°-160°	535.0	12.4
160°-170°	814.7	18.8
170°-180°	423.1	9.8
0°-30°	1772.9	40.9
0°-40°	2133.7	49.3
0°-60°	2164.2	50.0
0°-90°	2166.0	50.0
90°-120°	1.8	0.0
90°-150°	393.1	9.1
90°-180°	2166.0	50.0
0°-180°	4331.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4816	
5°	4633	423
15°	3038	815
25°	1092	535
35°	659	361
45°	26	28
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°	26	28
145°	659	361
155°	1092	535
165°	3038	815
175°	4633	423
180°	4816	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4815.6
1°	4794.5
2°	4763.5
3°	4729.6
4°	4689.6
5°	4633.0
6°	4555.3
7°	4454.2
8°	4329.7
9°	4185.6
10°	4032.5
11°	3864.2
12°	3680.9
13°	3481.0
14°	3268.2
15°	3038.1
16°	2795.9
17°	2545.5
18°	2295.0
19°	2059.6
20°	1828.0
21°	1627.3
22°	1447.0
23°	1297.6
24°	1182.2
25°	1092.4
26°	1027.5
27°	977.8
28°	935.5
29°	900.8
30°	869.9
32.5°	805.0
35°	658.6
37.5°	391.6
40°	134.3
42.5°	40.0
45°	26.4
47.5°	16.6
50°	4.5
52.5°	2.3
55°	2.3
57.5°	1.5
60°	1.5
62.5°	1.5
65°	0.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
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°	0.8
115°	0.8
117.5°	1.5
120°	1.5
122.5°	1.5
125°	2.3
127.5°	2.3
130°	4.5
132.5°	16.6
135°	26.4
137.5°	40.0
140°	134.3
142.5°	391.6
145°	658.6
147.5°	805.0
150°	869.9
151°	900.8
152°	935.5
153°	977.8
154°	1027.5
155°	1092.4
156°	1182.2
157°	1297.6
158°	1447.0
159°	1627.3
160°	1828.0
161°	2059.6



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2295.0
163°	2545.5
164°	2795.9
165°	3038.1
166°	3268.2
167°	3481.0
168°	3680.9
169°	3864.2
170°	4032.5
171°	4185.6
172°	4329.7
173°	4454.2
174°	4555.3
175°	4633.0
176°	4689.6
177°	4729.6
178°	4763.5
179°	4794.5
180°	4815.6

(END OF REPORT)