

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: P221990

Luminaire Tested: **9004-W2-FL-LED2797-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221990  
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-LED2797-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

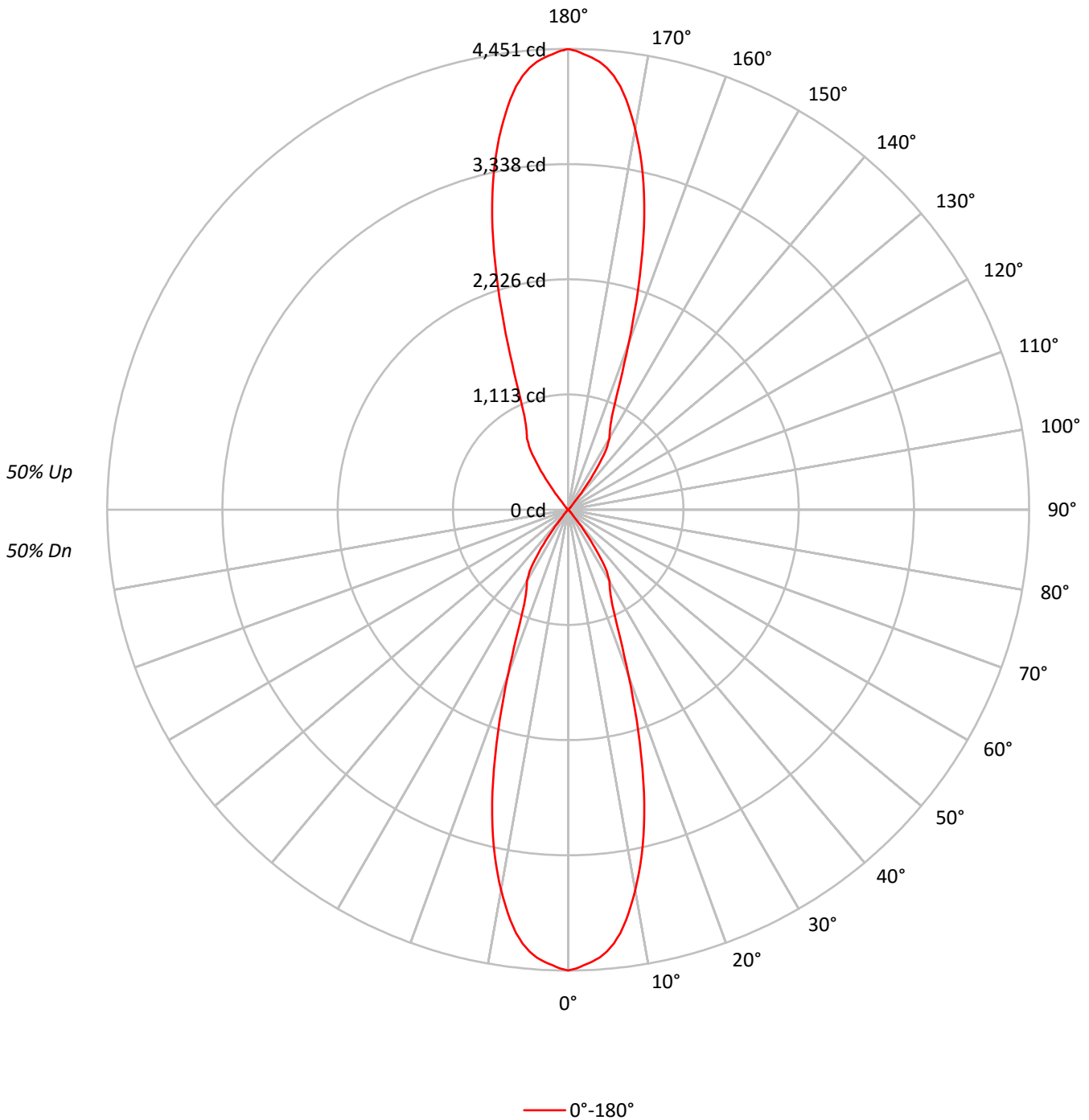
Lumens per Lamp: N/A  
Luminaire Lumens: 3880.8 lumens  
Efficiency: N/A  
Efficacy: 67.8 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 57.2  
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°	548974
5°	530468
10°	467415
15°	360922
20°	224051
25°	136655
30°	113329
35°	69175
40°	11706
45°	4274
50°	940
55°	452
60°	345
65°	409
70°	252
75°	334
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.4	10.1
10°-20°	756.8	19.5
20°-30°	492.9	12.7
30°-40°	273.7	7.1
40°-50°	21.4	0.6
50°-60°	2.3	0.1
60°-70°	1.3	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°	1.3	0.0
120°-130°	2.3	0.1
130°-140°	21.4	0.6
140°-150°	273.7	7.1
150°-160°	492.9	12.7
160°-170°	756.8	19.5
170°-180°	391.4	10.1
0°-30°	1641.0	42.3
0°-40°	1914.8	49.3
0°-60°	1938.4	49.9
0°-90°	1940.4	50.0
90°-120°	1.9	0.1
90°-150°	299.3	7.7
90°-180°	1940.0	50.0
0°-180°	3880.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4451	
5°	4284	391
15°	2826	757
25°	1004	493
35°	459	274
45°	24	21
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°	24	21
145°	459	274
155°	1004	493
165°	2826	757
175°	4284	391
180°	4451	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4450.7
1°	4431.1
2°	4402.5
3°	4372.4
4°	4336.7
5°	4284.3
6°	4213.7
7°	4120.7
8°	4005.3
9°	3873.1
10°	3731.9
11°	3578.1
12°	3410.9
13°	3231.9
14°	3034.7
15°	2826.4
16°	2599.8
17°	2363.5
18°	2139.7
19°	1914.5
20°	1706.9
21°	1511.1
22°	1341.2
23°	1199.2
24°	1088.7
25°	1004.1
26°	942.6
27°	893.6
28°	855.2
29°	824.4
30°	795.7
32.5°	674.8
35°	459.4
37.5°	235.6
40°	72.7
42.5°	35.0
45°	24.5
47.5°	15.4
50°	4.9
52.5°	2.8
55°	2.1
57.5°	2.1
60°	1.4
62.5°	1.4
65°	1.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
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°	0.7
105°	0.7
107.5°	0.7
110°	0.7
112.5°	1.4
115°	1.4
117.5°	1.4
120°	1.4
122.5°	2.1
125°	2.1
127.5°	2.8
130°	4.9
132.5°	15.4
135°	24.5
137.5°	35.0
140°	72.7
142.5°	235.6
145°	459.4
147.5°	674.8
150°	795.7
151°	824.4
152°	855.2
153°	893.6
154°	942.6
155°	1004.1
156°	1088.7
157°	1199.2
158°	1341.2
159°	1511.1
160°	1706.9
161°	1914.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2139.7
163°	2363.5
164°	2599.8
165°	2826.4
166°	3034.7
167°	3231.9
168°	3410.9
169°	3578.1
170°	3731.9
171°	3873.1
172°	4005.3
173°	4120.7
174°	4213.7
175°	4284.3
176°	4336.7
177°	4372.4
178°	4402.5
179°	4431.1
180°	4450.7

(END OF REPORT)