

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: P222105

Luminaire Tested: **9004-W2-FL-LED4080-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222105  
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-LED4080-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

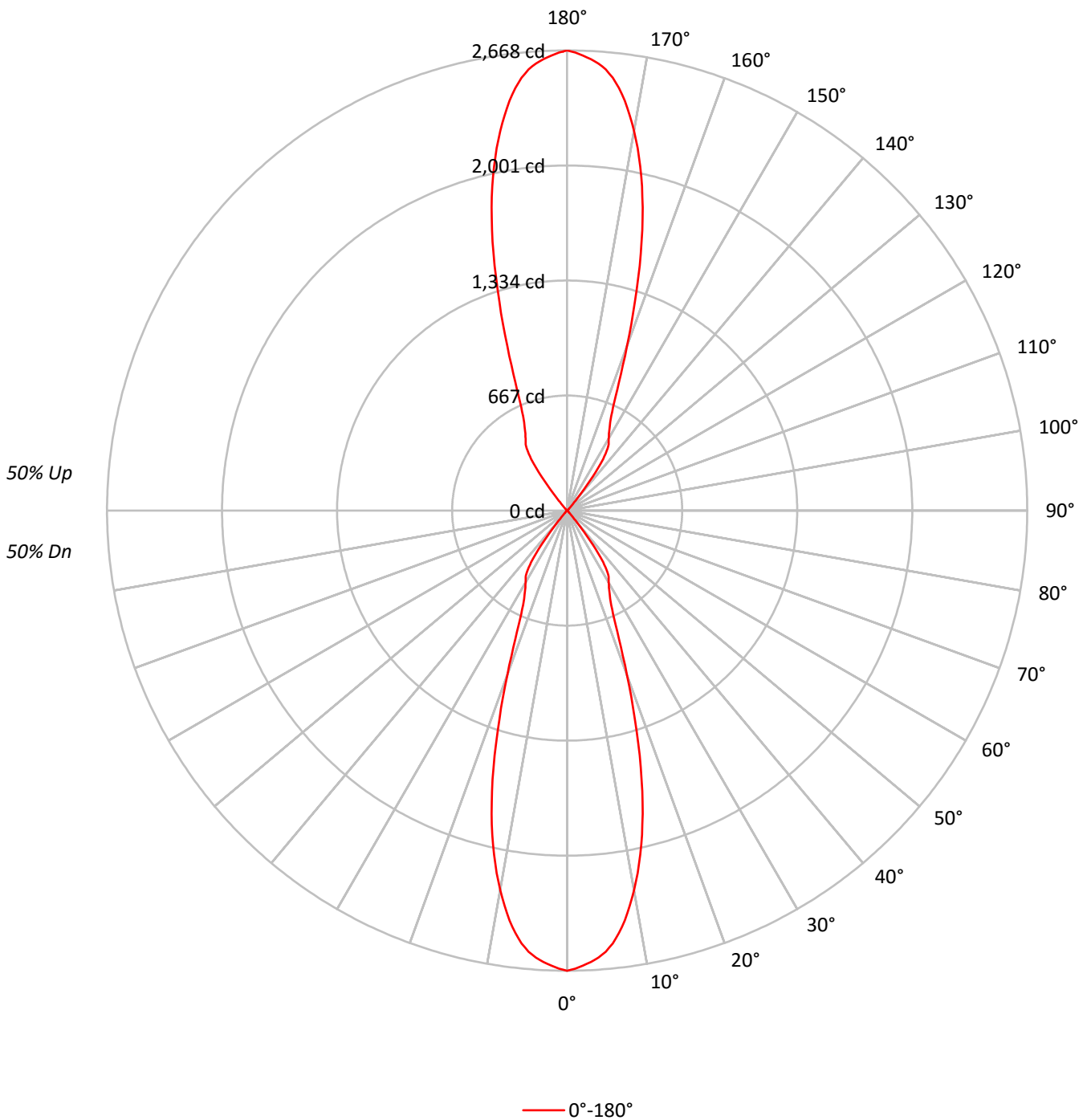
Lumens per Lamp: N/A  
Luminaire Lumens: 2400.2 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 19.7  
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	41
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°	329123
5°	317862
10°	279855
15°	214965
20°	132955
25°	82379
30°	68650
35°	54946
40°	11980
45°	2547
50°	480
55°	280
60°	197
65°	117
70°	144
75°	191
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.4	9.8
10°-20°	451.4	18.8
20°-30°	296.5	12.4
30°-40°	199.9	8.3
40°-50°	15.8	0.7
50°-60°	1.1	0.0
60°-70°	0.5	0.0
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	0.5	0.0
120°-130°	1.1	0.0
130°-140°	15.8	0.7
140°-150°	199.9	8.3
150°-160°	296.5	12.4
160°-170°	451.4	18.8
170°-180°	234.4	9.8
0°-30°	982.4	40.9
0°-40°	1182.3	49.3
0°-60°	1199.2	50.0
0°-90°	1200.1	50.0
90°-120°	0.9	0.0
90°-150°	217.7	9.1
90°-180°	1200.0	50.0
0°-180°	2400.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2668	
5°	2567	234
15°	1683	451
25°	605	296
35°	365	200
45°	15	16
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	1	1
135°	15	16
145°	365	200
155°	605	296
165°	1683	451
175°	2567	234
180°	2668	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2668.3
1°	2656.6
2°	2639.5
3°	2620.7
4°	2598.5
5°	2567.2
6°	2524.1
7°	2468.1
8°	2399.1
9°	2319.3
10°	2234.4
11°	2141.2
12°	2039.6
13°	1928.8
14°	1810.9
15°	1683.4
16°	1549.3
17°	1410.5
18°	1271.7
19°	1141.2
20°	1012.9
21°	901.7
22°	801.8
23°	719.0
24°	655.1
25°	605.3
26°	569.4
27°	541.8
28°	518.4
29°	499.1
30°	482.0
32.5°	446.0
35°	364.9
37.5°	217.0
40°	74.4
42.5°	22.2
45°	14.6
47.5°	9.2
50°	2.5
52.5°	1.3
55°	1.3
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
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°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	0.4
115°	0.4
117.5°	0.8
120°	0.8
122.5°	0.8
125°	1.3
127.5°	1.3
130°	2.5
132.5°	9.2
135°	14.6
137.5°	22.2
140°	74.4
142.5°	217.0
145°	364.9
147.5°	446.0
150°	482.0
151°	499.1
152°	518.4
153°	541.8
154°	569.4
155°	605.3
156°	655.1
157°	719.0
158°	801.8
159°	901.7
160°	1012.9
161°	1141.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1271.7
163°	1410.5
164°	1549.3
165°	1683.4
166°	1810.9
167°	1928.8
168°	2039.6
169°	2141.2
170°	2234.4
171°	2319.3
172°	2399.1
173°	2468.1
174°	2524.1
175°	2567.2
176°	2598.5
177°	2620.7
178°	2639.5
179°	2656.6
180°	2668.3

(END OF REPORT)