

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: P221962

Luminaire Tested: **9004-W2-FL-LED2790-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221962  
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-L2-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**

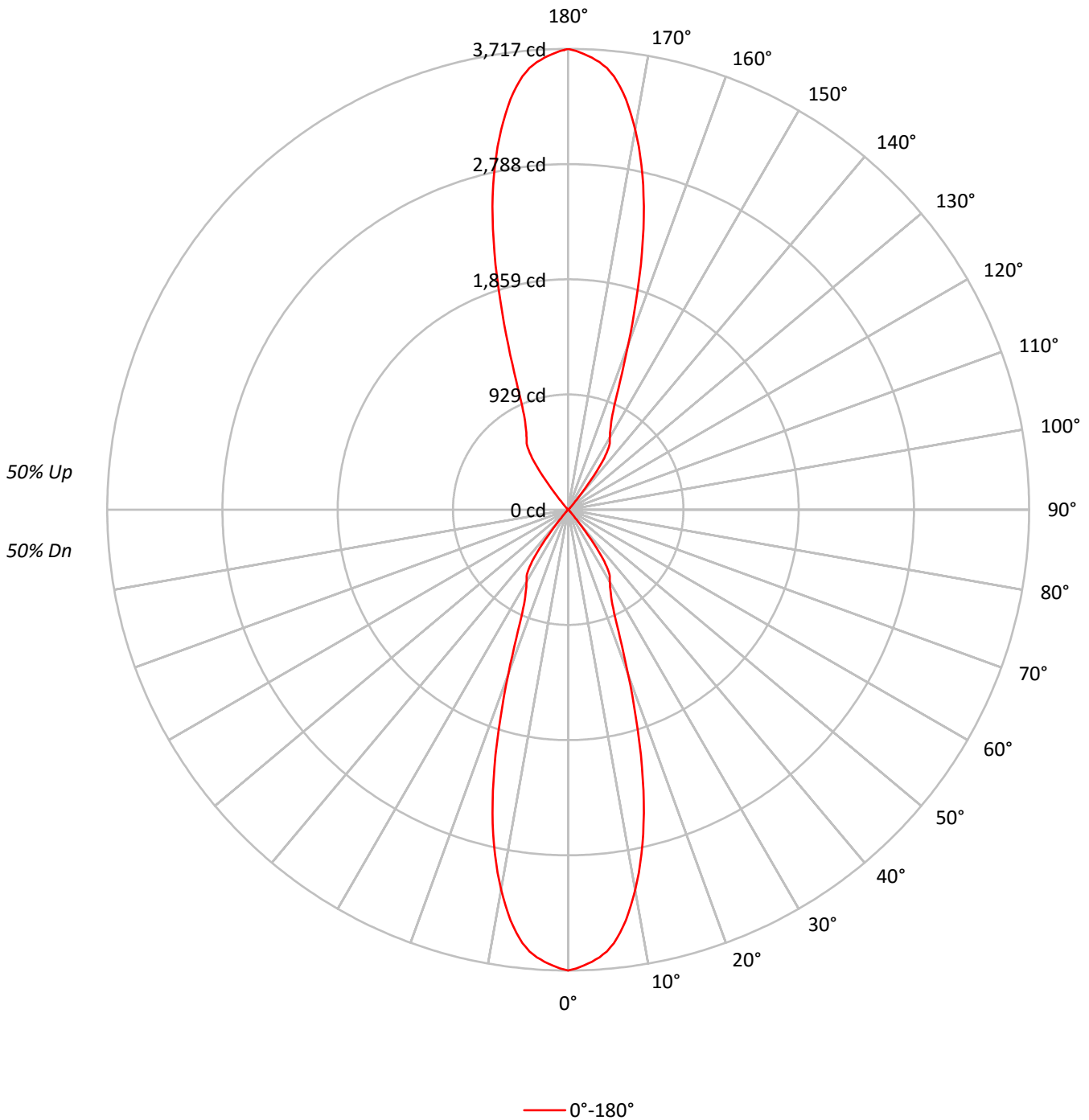
Lumens per Lamp: N/A  
Luminaire Lumens: 3343.6 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 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	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°	458476
5°	442781
10°	389848
15°	299449
20°	185210
25°	114757
30°	95626
35°	76553
40°	16697
45°	3559
50°	672
55°	366
60°	296
65°	175
70°	216
75°	286
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.6	9.8
10°-20°	628.9	18.8
20°-30°	413.0	12.4
30°-40°	278.5	8.3
40°-50°	22.0	0.7
50°-60°	1.5	0.0
60°-70°	0.8	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°	0.8	0.0
120°-130°	1.5	0.0
130°-140°	22.0	0.7
140°-150°	278.5	8.3
150°-160°	413.0	12.4
160°-170°	628.9	18.8
170°-180°	326.6	9.8
0°-30°	1368.4	40.9
0°-40°	1646.9	49.3
0°-60°	1670.5	50.0
0°-90°	1671.8	50.0
90°-120°	1.4	0.0
90°-150°	303.4	9.1
90°-180°	1672.0	50.0
0°-180°	3343.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3717	
5°	3576	327
15°	2345	629
25°	843	413
35°	508	278
45°	20	22
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°	20	22
145°	508	278
155°	843	413
165°	2345	629
175°	3576	327
180°	3717	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3717.0
1°	3700.7
2°	3676.8
3°	3650.6
4°	3619.8
5°	3576.1
6°	3516.1
7°	3438.1
8°	3342.0
9°	3230.8
10°	3112.6
11°	2982.7
12°	2841.2
13°	2686.9
14°	2522.7
15°	2345.0
16°	2158.1
17°	1964.8
18°	1771.4
19°	1589.8
20°	1411.0
21°	1256.1
22°	1116.9
23°	1001.6
24°	912.5
25°	843.2
26°	793.1
27°	754.7
28°	722.1
29°	695.3
30°	671.4
32.5°	621.3
35°	508.4
37.5°	302.2
40°	103.7
42.5°	30.9
45°	20.4
47.5°	12.8
50°	3.5
52.5°	1.7
55°	1.7
57.5°	1.2
60°	1.2
62.5°	1.2
65°	0.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
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°	0.6
115°	0.6
117.5°	1.2
120°	1.2
122.5°	1.2
125°	1.7
127.5°	1.7
130°	3.5
132.5°	12.8
135°	20.4
137.5°	30.9
140°	103.7
142.5°	302.2
145°	508.4
147.5°	621.3
150°	671.4
151°	695.3
152°	722.1
153°	754.7
154°	793.1
155°	843.2
156°	912.5
157°	1001.6
158°	1116.9
159°	1256.1
160°	1411.0
161°	1589.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1771.4
163°	1964.8
164°	2158.1
165°	2345.0
166°	2522.7
167°	2686.9
168°	2841.2
169°	2982.7
170°	3112.6
171°	3230.8
172°	3342.0
173°	3438.1
174°	3516.1
175°	3576.1
176°	3619.8
177°	3650.6
178°	3676.8
179°	3700.7
180°	3717.0

(END OF REPORT)