

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: P222016

Luminaire Tested: **9004-W2-FL-LED3090-M-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222016  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-FL-LED3090-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3481.8 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

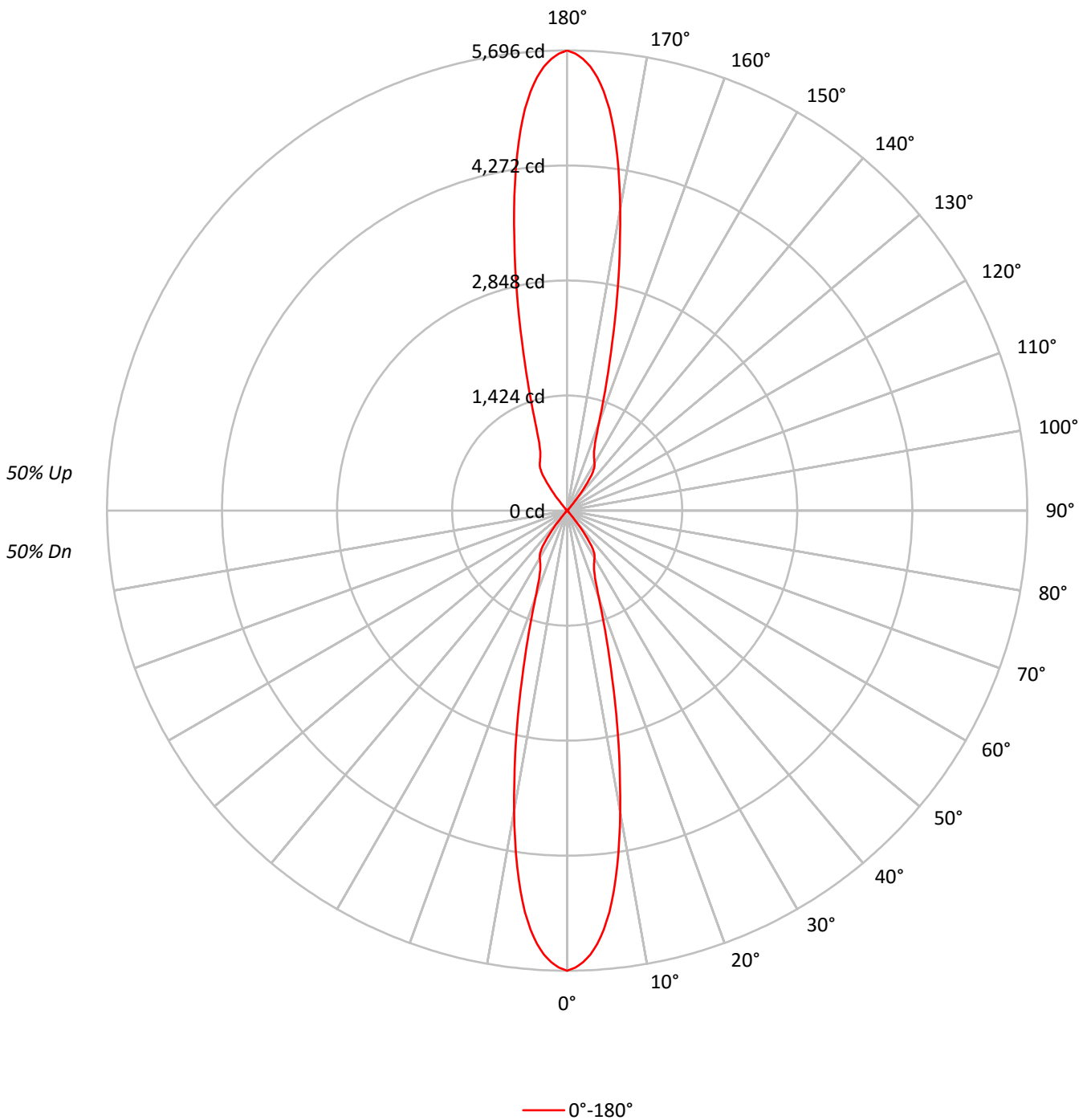
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	94	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	84	81	87	83	79	76	72	69	67		61	59	58		52	51	50	45
3	89	82	76	72	82	76	72	68	67	63	61		58	56	54		49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56		55	52	50		47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52		52	49	47		45	43	42	39
6	74	65	59	55	70	62	56	52	55	51	48		49	46	44		43	41	40	38
7	70	61	55	51	66	58	53	49	52	48	45		47	44	42		42	40	38	36
8	67	57	51	47	63	55	49	46	49	45	42		45	42	39		40	38	36	34
9	64	54	48	44	60	52	46	43	47	43	40		43	40	38		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

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

	0°
0°	702601
5°	644726
10°	473727
15°	275787
20°	150400
25°	106890
30°	96338
35°	75876
40°	16858
45°	4623
50°	1535
55°	925
60°	617
65°	350
70°	216
75°	286
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	451.1	13.0
10°-20°	602.0	17.3
20°-30°	376.5	10.8
30°-40°	279.2	8.0
40°-50°	26.0	0.7
50°-60°	4.2	0.1
60°-70°	1.4	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°	1.4	0.0
120°-130°	4.2	0.1
130°-140°	26.0	0.7
140°-150°	279.2	8.0
150°-160°	376.5	10.8
160°-170°	602.0	17.3
170°-180°	451.1	13.0
0°-30°	1429.5	41.1
0°-40°	1708.8	49.1
0°-60°	1738.9	49.9
0°-90°	1740.9	50.0
90°-120°	2.0	0.1
90°-150°	311.4	8.9
90°-180°	1741.0	50.0
0°-180°	3481.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5696	
5°	5207	451
15°	2160	602
25°	785	376
35°	504	279
45°	26	26
55°	4	4
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	4	4
135°	26	26
145°	504	279
155°	785	376
165°	2160	602
175°	5207	451
180°	5696	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5696.2
1°	5658.6
2°	5594.5
3°	5502.1
4°	5375.2
5°	5207.1
6°	4998.3
7°	4746.3
8°	4452.5
9°	4124.8
10°	3782.3
11°	3431.8
12°	3092.3
13°	2761.5
14°	2447.4
15°	2159.7
16°	1897.9
17°	1669.4
18°	1464.2
19°	1290.5
20°	1145.8
21°	1031.2
22°	939.4
23°	871.6
24°	821.7
25°	785.4
26°	758.3
27°	734.9
28°	713.3
29°	694.9
30°	676.4
32.5°	625.2
35°	503.9
37.5°	304.9
40°	104.7
42.5°	36.3
45°	26.5
47.5°	19.1
50°	8.0
52.5°	6.2
55°	4.3
57.5°	3.1
60°	2.5
62.5°	1.8
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°	1.8
120°	2.5
122.5°	3.1
125°	4.3
127.5°	6.2
130°	8.0
132.5°	19.1
135°	26.5
137.5°	36.3
140°	104.7
142.5°	304.9
145°	503.9
147.5°	625.2
150°	676.4
151°	694.9
152°	713.3
153°	734.9
154°	758.3
155°	785.4
156°	821.7
157°	871.6
158°	939.4
159°	1031.2
160°	1145.8
161°	1290.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1464.2
163°	1669.4
164°	1897.9
165°	2159.7
166°	2447.4
167°	2761.5
168°	3092.3
169°	3431.8
170°	3782.3
171°	4124.8
172°	4452.5
173°	4746.3
174°	4998.3
175°	5207.1
176°	5375.2
177°	5502.1
178°	5594.5
179°	5658.6
180°	5696.2

(END OF REPORT)