

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: P221779

Luminaire Tested: **9004-W2-[RW, RI]-LED3090-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-[RW, RI]-LED3090-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3262.2 lumens  
Efficiency: N/A  
Efficacy: 81.2 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

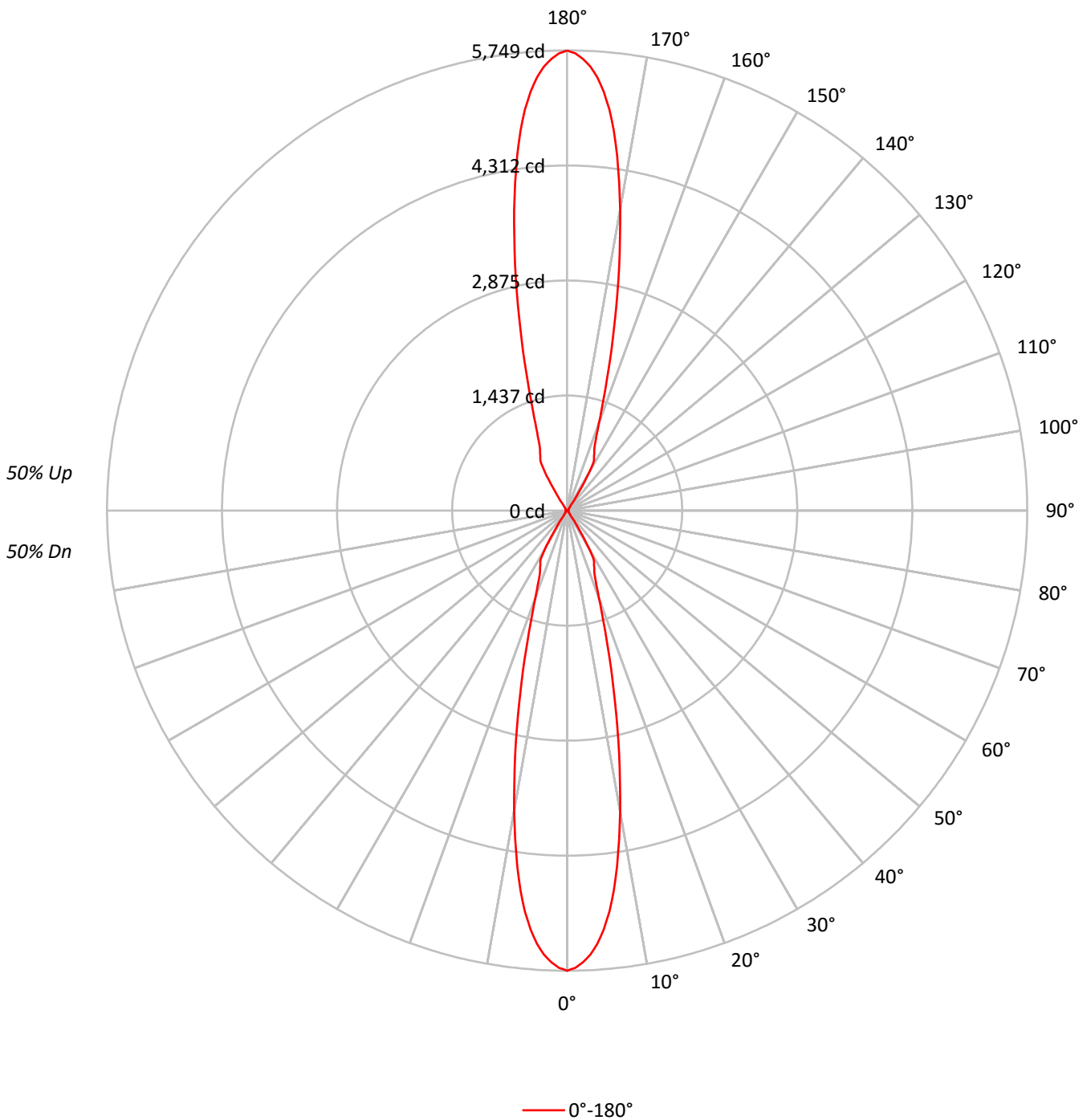
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	77	75	74	65	64	63	54	53	52	47
2	94	89	84	80	87	83	79	75	71	69	66	61	59	58	51	50	49	45
3	88	81	76	72	82	76	72	68	67	63	61	57	55	53	49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56	54	52	50	47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52	52	49	47	45	44	42	39
6	75	65	59	55	70	62	57	53	55	51	48	49	46	44	44	42	40	38
7	71	61	55	51	66	58	53	49	53	49	46	47	44	42	42	40	39	36
8	67	58	52	48	63	55	50	46	50	46	43	45	42	40	41	39	37	35
9	64	55	49	45	60	52	47	44	48	44	41	43	40	38	39	37	36	34
10	61	52	46	43	58	50	45	41	46	42	39	42	39	37	38	36	34	33

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

	0°
0°	709139
5°	650286
10°	477197
15°	279490
20°	152500
25°	108646
30°	80372
35°	11594
40°	6344
45°	4518
50°	4605
55°	4774
60°	5329
65°	5925
70°	6888
75°	8531
80°	10087
85°	9624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	454.6	13.9
10°-20°	608.6	18.7
20°-30°	375.7	11.5
30°-40°	104.7	3.2
40°-50°	21.2	0.6
50°-60°	20.2	0.6
60°-70°	20.3	0.6
70°-80°	18.2	0.6
80°-90°	7.6	0.2
90°-100°	7.6	0.2
100°-110°	18.2	0.6
110°-120°	20.3	0.6
120°-130°	20.2	0.6
130°-140°	21.2	0.6
140°-150°	104.7	3.2
150°-160°	375.7	11.5
160°-170°	608.6	18.7
170°-180°	454.6	13.9
0°-30°	1438.9	44.1
0°-40°	1543.6	47.3
0°-60°	1584.9	48.6
0°-90°	1631.1	50.0
90°-120°	46.2	1.4
90°-150°	192.3	5.9
90°-180°	1631.0	50.0
0°-180°	3262.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5749	
5°	5252	455
15°	2189	609
25°	798	376
35°	77	105
45°	26	21
55°	22	20
65°	20	20
75°	18	18
85°	7	7
90°	0	1
95°	7	7
105°	18	18
115°	20	20
125°	22	20
135°	26	21
145°	77	105
155°	798	376
165°	2189	609
175°	5252	455
180°	5749	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5749.2
1°	5713.4
2°	5647.5
3°	5553.9
4°	5425.1
5°	5252.0
6°	5037.7
7°	4782.6
8°	4478.3
9°	4151.2
10°	3810.0
11°	3462.6
12°	3119.4
13°	2784.9
14°	2474.5
15°	2188.7
16°	1925.6
17°	1689.7
18°	1482.7
19°	1305.9
20°	1161.8
21°	1042.9
22°	953.6
23°	885.8
24°	835.3
25°	798.3
26°	768.2
27°	741.7
28°	716.4
29°	659.7
30°	564.3
32.5°	273.5
35°	77.0
37.5°	53.0
40°	39.4
42.5°	27.7
45°	25.9
47.5°	24.6
50°	24.0
52.5°	22.8
55°	22.2
57.5°	22.2
60°	21.6
62.5°	21.6
65°	20.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	19.7
70°	19.1
72.5°	18.5
75°	17.9
77.5°	16.0
80°	14.2
82.5°	11.1
85°	6.8
87.5°	3.1
90°	0.0
92.5°	3.1
95°	6.8
97.5°	11.1
100°	14.2
102.5°	16.0
105°	17.9
107.5°	18.5
110°	19.1
112.5°	19.7
115°	20.3
117.5°	21.6
120°	21.6
122.5°	22.2
125°	22.2
127.5°	22.8
130°	24.0
132.5°	24.6
135°	25.9
137.5°	27.7
140°	39.4
142.5°	53.0
145°	77.0
147.5°	273.5
150°	564.3
151°	659.7
152°	716.4
153°	741.7
154°	768.2
155°	798.3
156°	835.3
157°	885.8
158°	953.6
159°	1042.9
160°	1161.8
161°	1305.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1482.7
163°	1689.7
164°	1925.6
165°	2188.7
166°	2474.5
167°	2784.9
168°	3119.4
169°	3462.6
170°	3810.0
171°	4151.2
172°	4478.3
173°	4782.6
174°	5037.7
175°	5252.0
176°	5425.1
177°	5553.9
178°	5647.5
179°	5713.4
180°	5749.2

(END OF REPORT)