

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: P221774

Luminaire Tested: **9004-W2-[RW, RI]-LED3090-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)  
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-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4307.7 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

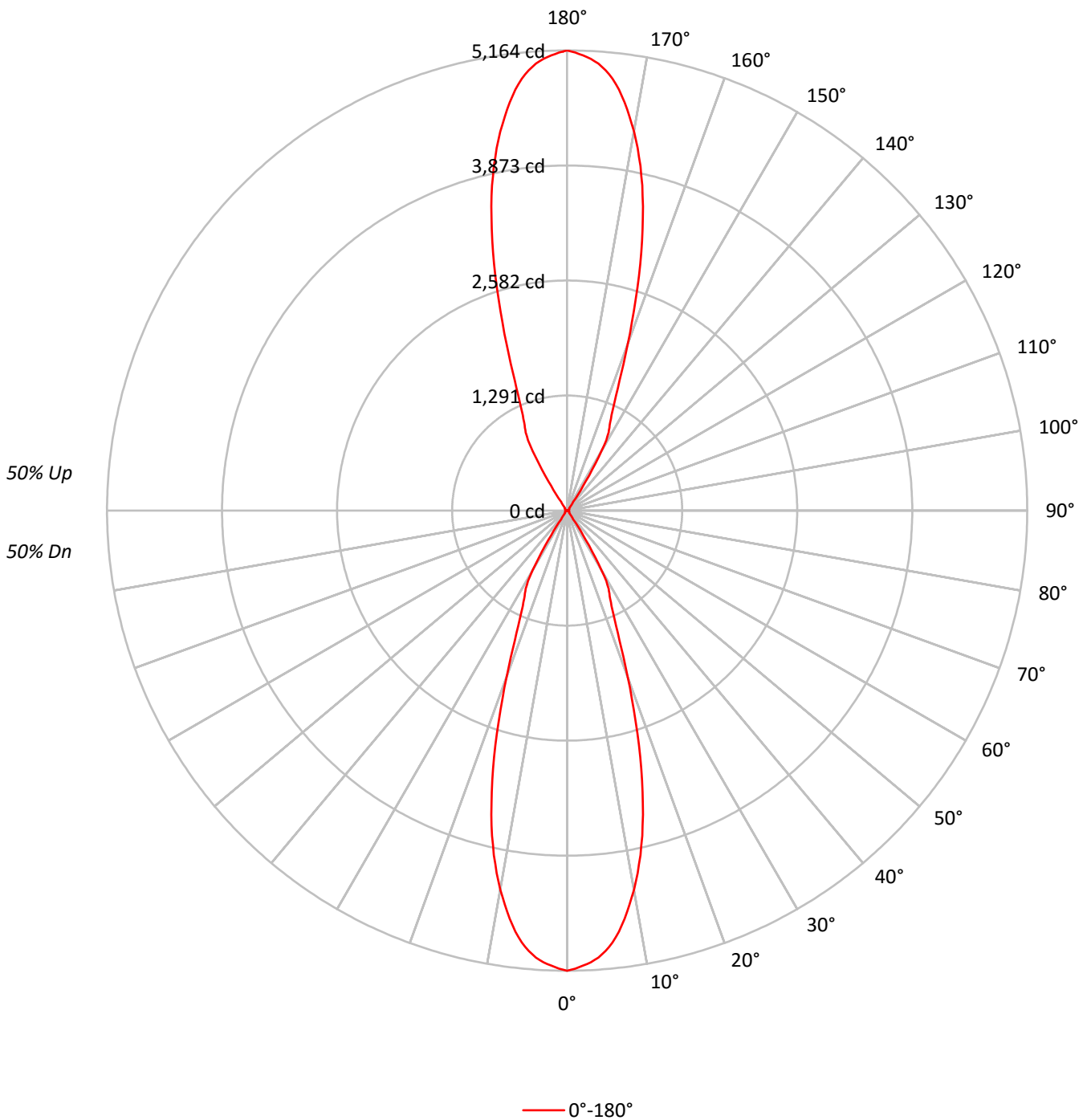
Input Watts (W): 57  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91	93	90	87	85	77	75	74		65	64	63		53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66		61	59	57		51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51		51	48	46		45	43	41	39
6	74	65	58	54	69	61	56	52	55	51	48		49	46	43		43	41	39	37
7	70	60	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	54	48	44	60	51	46	42	46	42	40		42	39	37		38	36	34	33
10	60	51	45	41	57	48	43	40	44	40	38		40	37	35		37	34	33	31

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

	0°
0°	636994
5°	614230
10°	540860
15°	417632
20°	260738
25°	160526
30°	110025
35°	17301
40°	7841
45°	5285
50°	5507
55°	6000
60°	6685
65°	7442
70°	8619
75°	10628
80°	12502
85°	12454



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.9	10.5
10°-20°	878.2	20.4
20°-30°	568.7	13.2
30°-40°	146.3	3.4
40°-50°	25.0	0.6
50°-60°	25.2	0.6
60°-70°	25.3	0.6
70°-80°	22.8	0.5
80°-90°	9.6	0.2
90°-100°	9.6	0.2
100°-110°	22.8	0.5
110°-120°	25.3	0.6
120°-130°	25.2	0.6
130°-140°	25.0	0.6
140°-150°	146.3	3.4
150°-160°	568.7	13.2
160°-170°	878.2	20.4
170°-180°	452.9	10.5
0°-30°	1899.8	44.1
0°-40°	2046.1	47.5
0°-60°	2096.2	48.7
0°-90°	2153.9	50.0
90°-120°	57.6	1.3
90°-150°	254.1	5.9
90°-180°	2154.0	50.0
0°-180°	4307.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5164	
5°	4961	453
15°	3270	878
25°	1180	569
35°	115	146
45°	30	25
55°	28	25
65°	26	25
75°	22	23
85°	9	9
90°	0	1
95°	9	9
105°	22	23
115°	26	25
125°	28	25
135°	30	25
145°	115	146
155°	1180	569
165°	3270	878
175°	4961	453
180°	5164	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5164.3
1°	5141.1
2°	5110.8
3°	5074.9
4°	5028.6
5°	4960.8
6°	4874.6
7°	4762.1
8°	4627.2
9°	4477.1
10°	4318.3
11°	4144.4
12°	3952.8
13°	3745.3
14°	3517.9
15°	3270.5
16°	3015.1
17°	2752.5
18°	2489.2
19°	2229.8
20°	1986.4
21°	1763.7
22°	1569.8
23°	1406.2
24°	1277.7
25°	1179.5
26°	1102.1
27°	1042.3
28°	992.0
29°	904.2
30°	772.5
32.5°	386.3
35°	114.9
37.5°	73.4
40°	48.7
42.5°	31.1
45°	30.3
47.5°	29.5
50°	28.7
52.5°	28.7
55°	27.9
57.5°	27.9
60°	27.1
62.5°	26.3
65°	25.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	24.7
70°	23.9
72.5°	23.1
75°	22.3
77.5°	20.0
80°	17.6
82.5°	13.6
85°	8.8
87.5°	4.0
90°	0.0
92.5°	4.0
95°	8.8
97.5°	13.6
100°	17.6
102.5°	20.0
105°	22.3
107.5°	23.1
110°	23.9
112.5°	24.7
115°	25.5
117.5°	26.3
120°	27.1
122.5°	27.9
125°	27.9
127.5°	28.7
130°	28.7
132.5°	29.5
135°	30.3
137.5°	31.1
140°	48.7
142.5°	73.4
145°	114.9
147.5°	386.3
150°	772.5
151°	904.2
152°	992.0
153°	1042.3
154°	1102.1
155°	1179.5
156°	1277.7
157°	1406.2
158°	1569.8
159°	1763.7
160°	1986.4
161°	2229.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2489.2
163°	2752.5
164°	3015.1
165°	3270.5
166°	3517.9
167°	3745.3
168°	3952.8
169°	4144.4
170°	4318.3
171°	4477.1
172°	4627.2
173°	4762.1
174°	4874.6
175°	4960.8
176°	5028.6
177°	5074.9
178°	5110.8
179°	5141.1
180°	5164.3

(END OF REPORT)