

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: P221870

Luminaire Tested: **9004-W2-[RW, RI]-LED4080-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221870  
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]-LED4080-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5397.9 lumens  
Efficiency: N/A  
Efficacy: 94.7 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

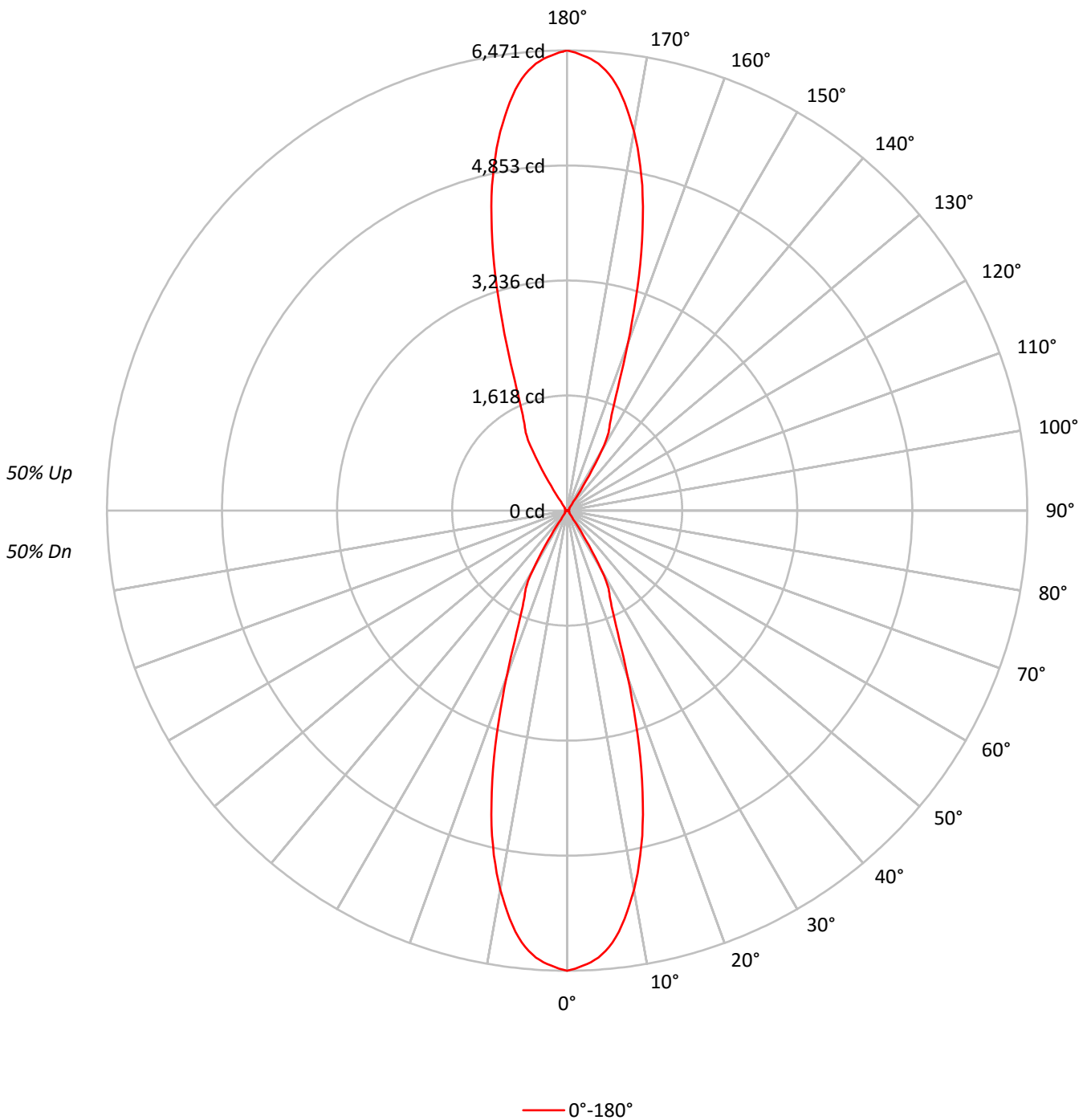
Input Watts (W): 57  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	798170
5°	769645
10°	677719
15°	523301
20°	326710
25°	201151
30°	137870
35°	21683
40°	9822
45°	6629
50°	6908
55°	7527
60°	8388
65°	9340
70°	10819
75°	13344
80°	15627
85°	15568



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	567.5	10.5
10°-20°	1100.4	20.4
20°-30°	712.6	13.2
30°-40°	183.3	3.4
40°-50°	31.3	0.6
50°-60°	31.6	0.6
60°-70°	31.7	0.6
70°-80°	28.5	0.5
80°-90°	12.0	0.2
90°-100°	12.0	0.2
100°-110°	28.5	0.5
110°-120°	31.7	0.6
120°-130°	31.6	0.6
130°-140°	31.3	0.6
140°-150°	183.3	3.4
150°-160°	712.6	13.2
160°-170°	1100.4	20.4
170°-180°	567.5	10.5
0°-30°	2380.5	44.1
0°-40°	2563.8	47.5
0°-60°	2626.7	48.7
0°-90°	2698.9	50.0
90°-120°	72.2	1.3
90°-150°	318.5	5.9
90°-180°	2699.0	50.0
0°-180°	5397.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6471	
5°	6216	567
15°	4098	1100
25°	1478	713
35°	144	183
45°	38	31
55°	35	32
65°	32	32
75°	28	29
85°	11	11
90°	0	1
95°	11	11
105°	28	29
115°	32	32
125°	35	32
135°	38	31
145°	144	183
155°	1478	713
165°	4098	1100
175°	6216	567
180°	6471	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6471
1°	6442
2°	6404
3°	6359
4°	6301
5°	6216
6°	6108
7°	5967
8°	5798
9°	5610
10°	5411
11°	5193
12°	4953
13°	4693
14°	4408
15°	4098
16°	3778
17°	3449
18°	3119
19°	2794
20°	2489
21°	2210
22°	1967
23°	1762
24°	1601
25°	1478
26°	1381
27°	1306
28°	1243
29°	1133
30°	968
32.5°	484
35°	144
37.5°	92
40°	61
42.5°	39
45°	38
47.5°	37
50°	36
52.5°	36
55°	35
57.5°	35
60°	34
62.5°	33
65°	32



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	31
70°	30
72.5°	29
75°	28
77.5°	25
80°	22
82.5°	17
85°	11
87.5°	5
90°	0
92.5°	5
95°	11
97.5°	17
100°	22
102.5°	25
105°	28
107.5°	29
110°	30
112.5°	31
115°	32
117.5°	33
120°	34
122.5°	35
125°	35
127.5°	36
130°	36
132.5°	37
135°	38
137.5°	39
140°	61
142.5°	92
145°	144
147.5°	484
150°	968
151°	1133
152°	1243
153°	1306
154°	1381
155°	1478
156°	1601
157°	1762
158°	1967
159°	2210
160°	2489
161°	2794



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	3119
163°	3449
164°	3778
165°	4098
166°	4408
167°	4693
168°	4953
169°	5193
170°	5411
171°	5610
172°	5798
173°	5967
174°	6108
175°	6216
176°	6301
177°	6359
178°	6404
179°	6442
180°	6471

(END OF REPORT)