

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: P29489

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29489  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-[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: 2698.9 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: Direct

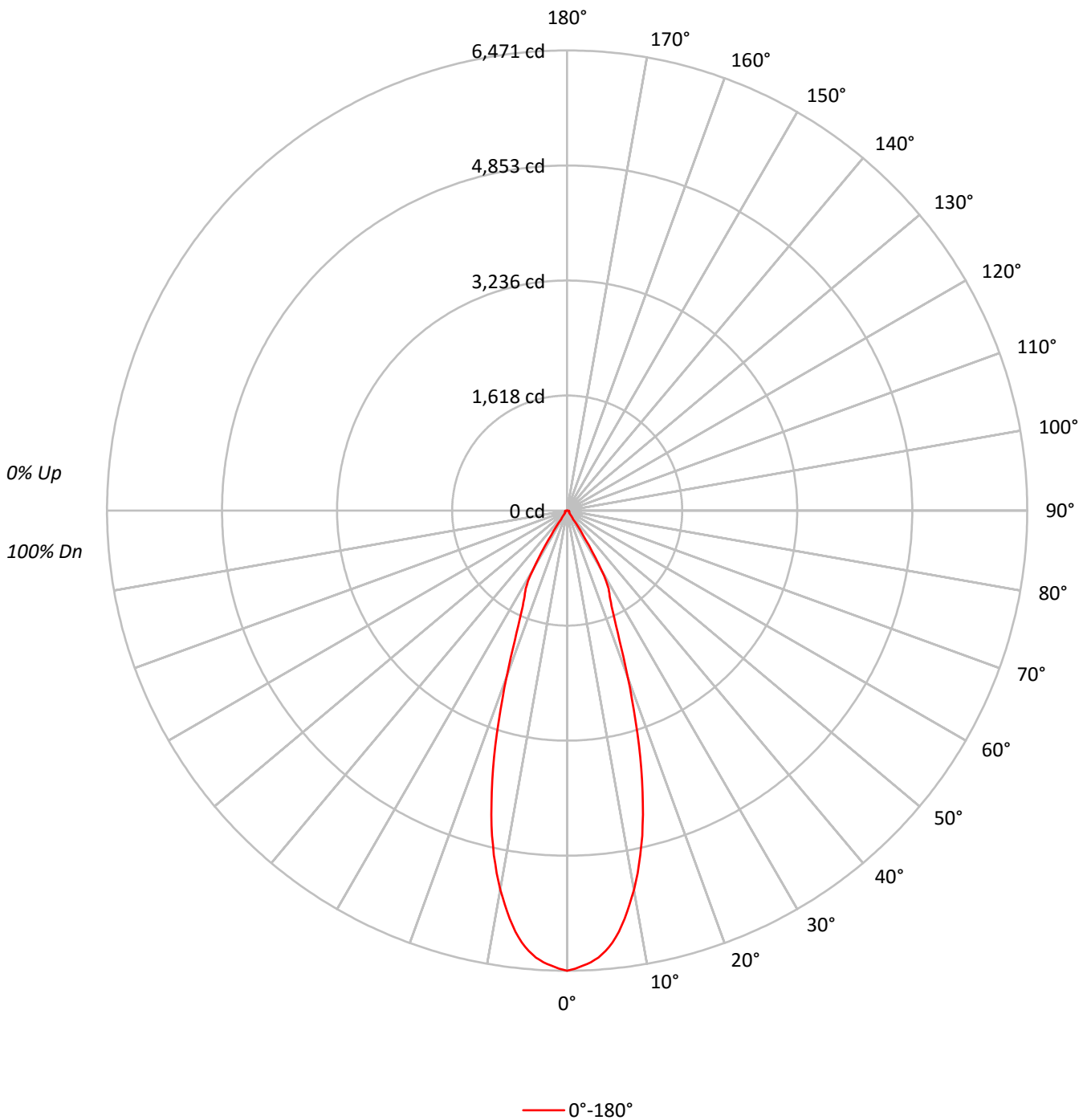
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

**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	21.0
10°-20°	1100.4	40.8
20°-30°	712.6	26.4
30°-40°	183.3	6.8
40°-50°	31.3	1.2
50°-60°	31.6	1.2
60°-70°	31.7	1.2
70°-80°	28.5	1.1
80°-90°	12.0	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2380.5	88.2
0°-40°	2563.8	95.0
0°-60°	2626.7	97.3
0°-90°	2698.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2698.9	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	12
90°	0	

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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

(END OF REPORT)