

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: P220765

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220765  
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-W1-[RW, RI]-LED5080-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1172.1 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

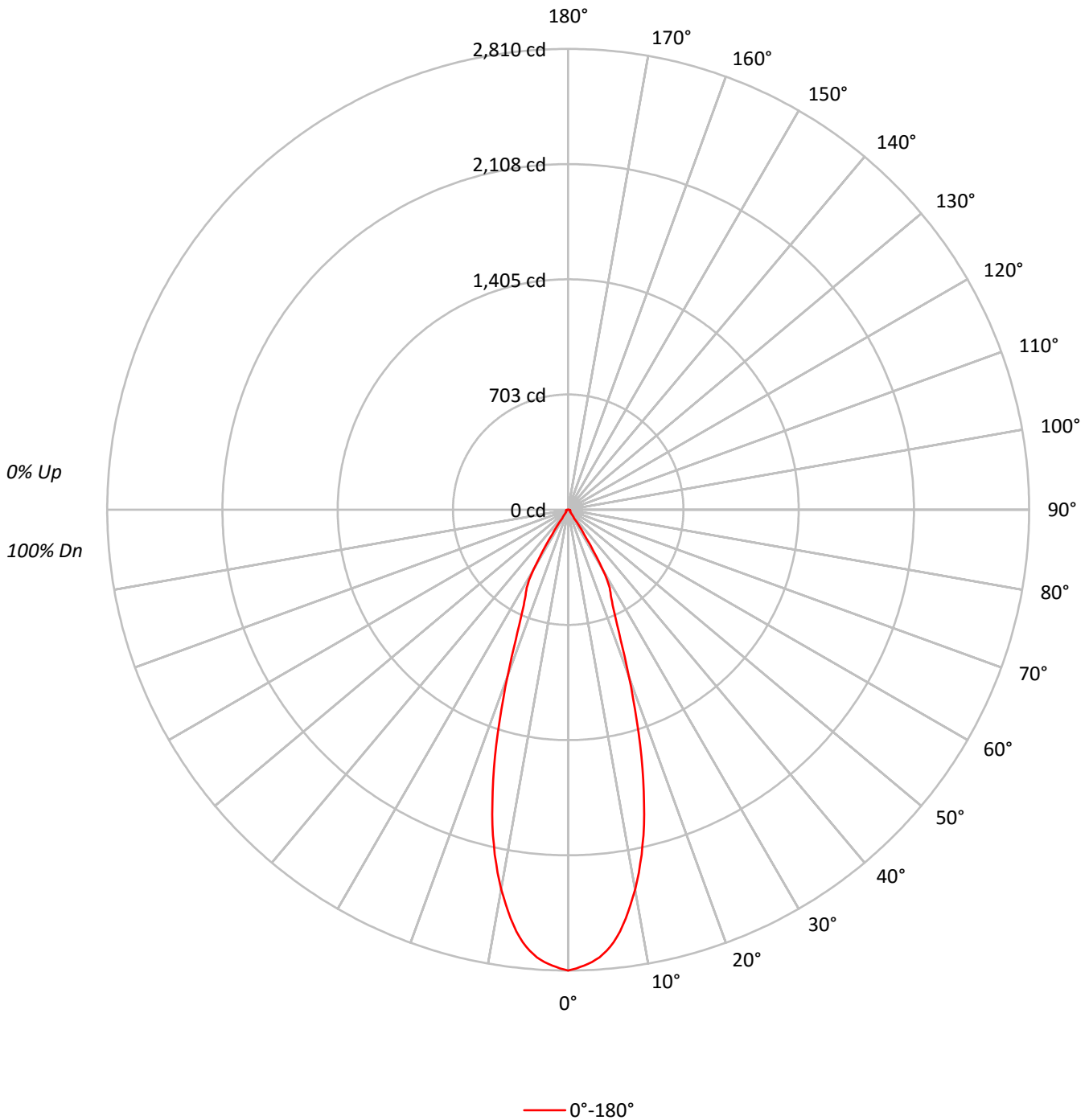
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	346626
5°	334231
10°	294321
15°	227262
20°	141881
25°	87361
30°	59876
35°	9411
40°	4267
45°	2878
50°	2994
55°	3269
60°	3651
65°	4057
70°	4688
75°	5814
80°	6819
85°	6793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.4	21.0
10°-20°	477.9	40.8
20°-30°	309.5	26.4
30°-40°	79.6	6.8
40°-50°	13.6	1.2
50°-60°	13.7	1.2
60°-70°	13.8	1.2
70°-80°	12.4	1.1
80°-90°	5.2	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°	1033.8	88.2
0°-40°	1113.4	95.0
0°-60°	1140.7	97.3
0°-90°	1172.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1172.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2810	
5°	2699	246
15°	1780	478
25°	642	309
35°	62	80
45°	16	14
55°	15	14
65°	14	14
75°	12	12
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2810.2
1°	2797.6
2°	2781.1
3°	2761.6
4°	2736.4
5°	2699.4
6°	2652.5
7°	2591.3
8°	2517.9
9°	2436.3
10°	2349.9
11°	2255.2
12°	2151.0
13°	2038.0
14°	1914.3
15°	1779.7
16°	1640.7
17°	1497.8
18°	1354.5
19°	1213.4
20°	1080.9
21°	959.7
22°	854.2
23°	765.2
24°	695.3
25°	641.9
26°	599.7
27°	567.2
28°	539.8
29°	492.0
30°	420.4
32.5°	210.2
35°	62.5
37.5°	40.0
40°	26.5
42.5°	16.9
45°	16.5
47.5°	16.1
50°	15.6
52.5°	15.6
55°	15.2
57.5°	15.2
60°	14.8
62.5°	14.3
65°	13.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.5
70°	13.0
72.5°	12.6
75°	12.2
77.5°	10.9
80°	9.6
82.5°	7.4
85°	4.8
87.5°	2.2
90°	0.0

(END OF REPORT)