

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: P221076

Luminaire Tested: **9004-W1-FL-LED2790-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED2790-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

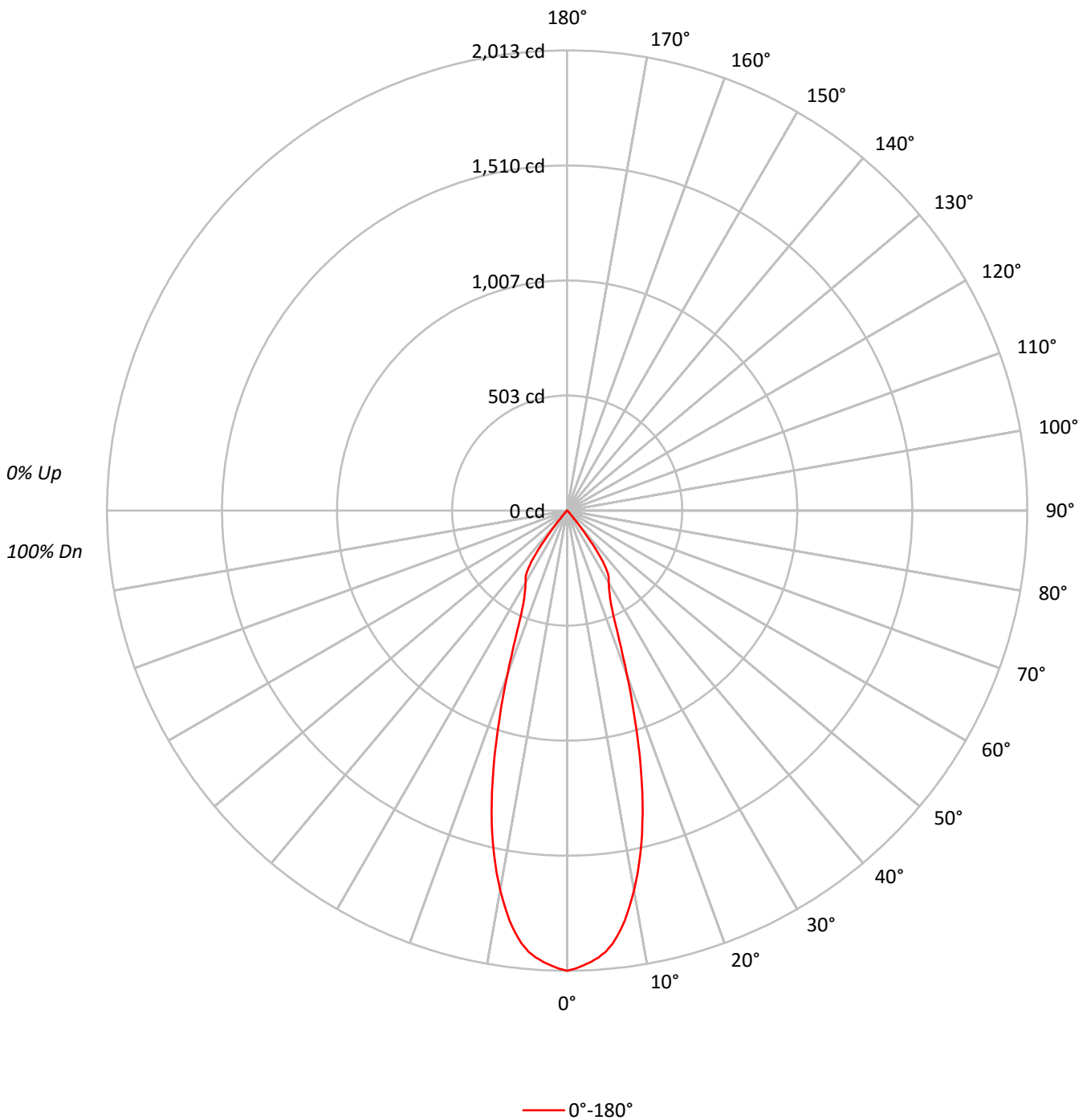
Lumens per Lamp: N/A  
Luminaire Lumens: 905.3 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96		97	95	94		95	93	92	90
3	105	99	95	92	103	98	94	91	96	92	90		93	90	88		91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87	85	82	81
5	97	89	84	81	95	88	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	79	76	83	79	75		82	78	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	72		78	74	71		77	74	71	70
8	86	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	65	81	74	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	70	66	62	70	65	62		69	65	62		68	65	62	61

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

	0°
0°	248307
5°	239808
10°	211131
15°	162188
20°	100310
25°	62155
30°	51787
35°	41454
40°	9033
45°	1919
50°	365
55°	194
60°	148
65°	88
70°	108
75°	143
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.9	19.5
10°-20°	340.6	37.6
20°-30°	223.7	24.7
30°-40°	150.8	16.7
40°-50°	11.9	1.3
50°-60°	0.8	0.1
60°-70°	0.4	0.0
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	741.1	81.9
0°-40°	892.0	98.5
0°-60°	904.6	99.9
0°-90°	905.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	905.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2013	
5°	1937	177
15°	1270	341
25°	457	224
35°	275	151
45°	11	12
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2013.1
1°	2004.3
2°	1991.3
3°	1977.1
4°	1960.4
5°	1936.8
6°	1904.3
7°	1862.0
8°	1810.0
9°	1749.8
10°	1685.7
11°	1615.4
12°	1538.8
13°	1455.2
14°	1366.2
15°	1270.1
16°	1168.8
17°	1064.1
18°	959.4
19°	861.0
20°	764.2
21°	680.3
22°	604.9
23°	542.5
24°	494.2
25°	456.7
26°	429.6
27°	408.7
28°	391.1
29°	376.6
30°	363.6
32.5°	336.5
35°	275.3
37.5°	163.7
40°	56.1
42.5°	16.7
45°	11.0
47.5°	6.9
50°	1.9
52.5°	0.9
55°	0.9
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)