

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: P220761

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220761  
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]-LED2790-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 851.2 lumens  
Efficiency: N/A  
Efficacy: 86.9 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

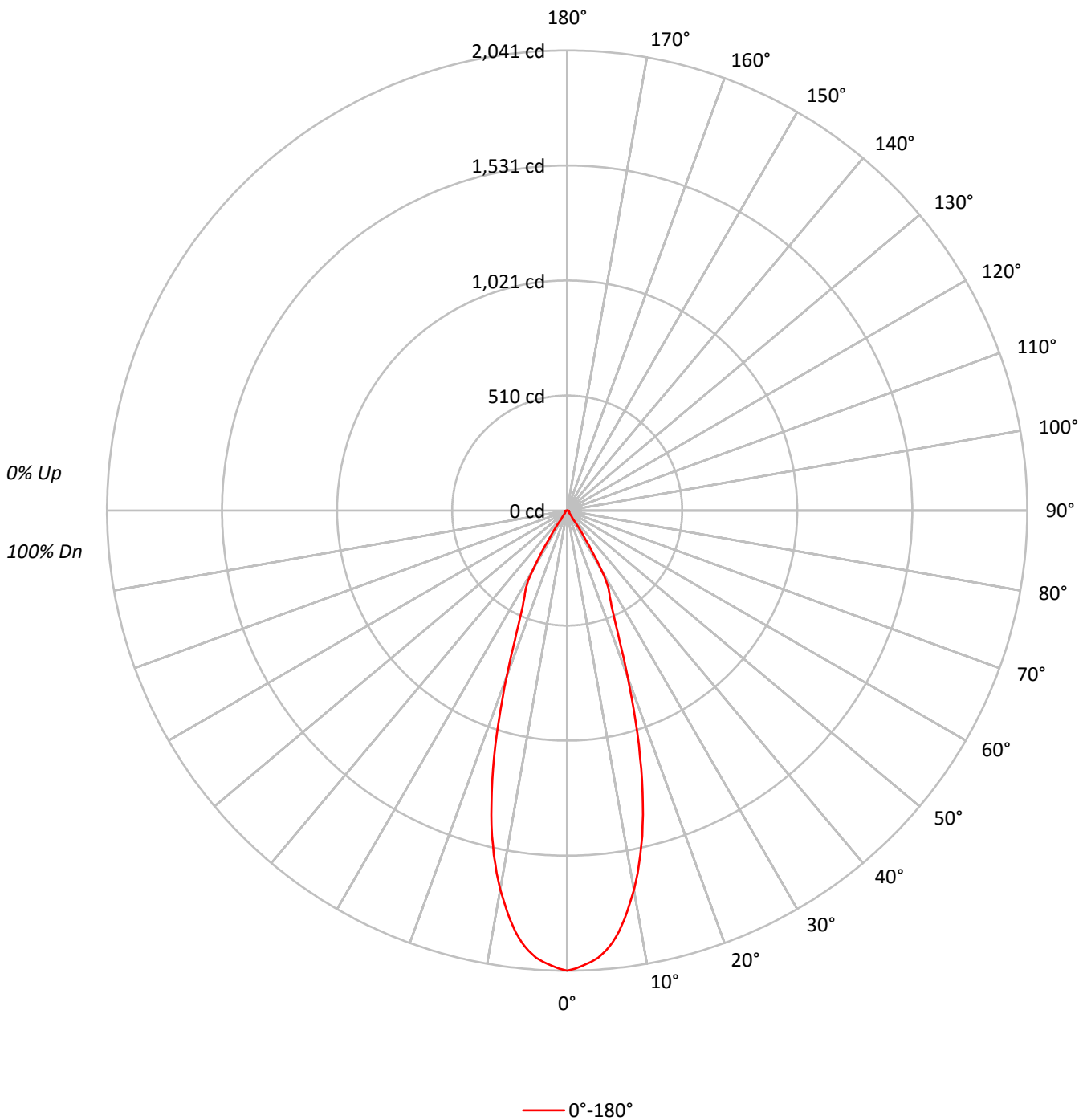
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	251736
5°	242730
10°	213749
15°	165048
20°	103040
25°	63435
30°	43483
35°	6836
40°	3092
45°	2093
50°	2188
55°	2366
60°	2640
65°	2948
70°	3426
75°	4194
80°	4901
85°	4953



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.0	21.0
10°-20°	347.1	40.8
20°-30°	224.7	26.4
30°-40°	57.8	6.8
40°-50°	9.9	1.2
50°-60°	10.0	1.2
60°-70°	10.0	1.2
70°-80°	9.0	1.1
80°-90°	3.8	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°	750.8	88.2
0°-40°	808.6	95.0
0°-60°	828.4	97.3
0°-90°	851.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2041	
5°	1960	179
15°	1292	347
25°	466	225
35°	45	58
45°	12	10
55°	11	10
65°	10	10
75°	9	9
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2040.9
1°	2031.7
2°	2019.7
3°	2005.5
4°	1987.2
5°	1960.4
6°	1926.4
7°	1881.9
8°	1828.6
9°	1769.3
10°	1706.6
11°	1637.8
12°	1562.1
13°	1480.1
14°	1390.2
15°	1292.5
16°	1191.5
17°	1087.8
18°	983.7
19°	881.2
20°	785.0
21°	697.0
22°	620.4
23°	555.7
24°	504.9
25°	466.1
26°	435.5
27°	411.9
28°	392.0
29°	357.3
30°	305.3
32.5°	152.6
35°	45.4
37.5°	29.0
40°	19.2
42.5°	12.3
45°	12.0
47.5°	11.7
50°	11.4
52.5°	11.4
55°	11.0
57.5°	11.0
60°	10.7
62.5°	10.4
65°	10.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	9.8
70°	9.5
72.5°	9.1
75°	8.8
77.5°	7.9
80°	6.9
82.5°	5.4
85°	3.5
87.5°	1.6
90°	0.0

(END OF REPORT)