

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: P220779

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220779  
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-L3-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: 2036.2 lumens  
Efficiency: N/A  
Efficacy: 71.4 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

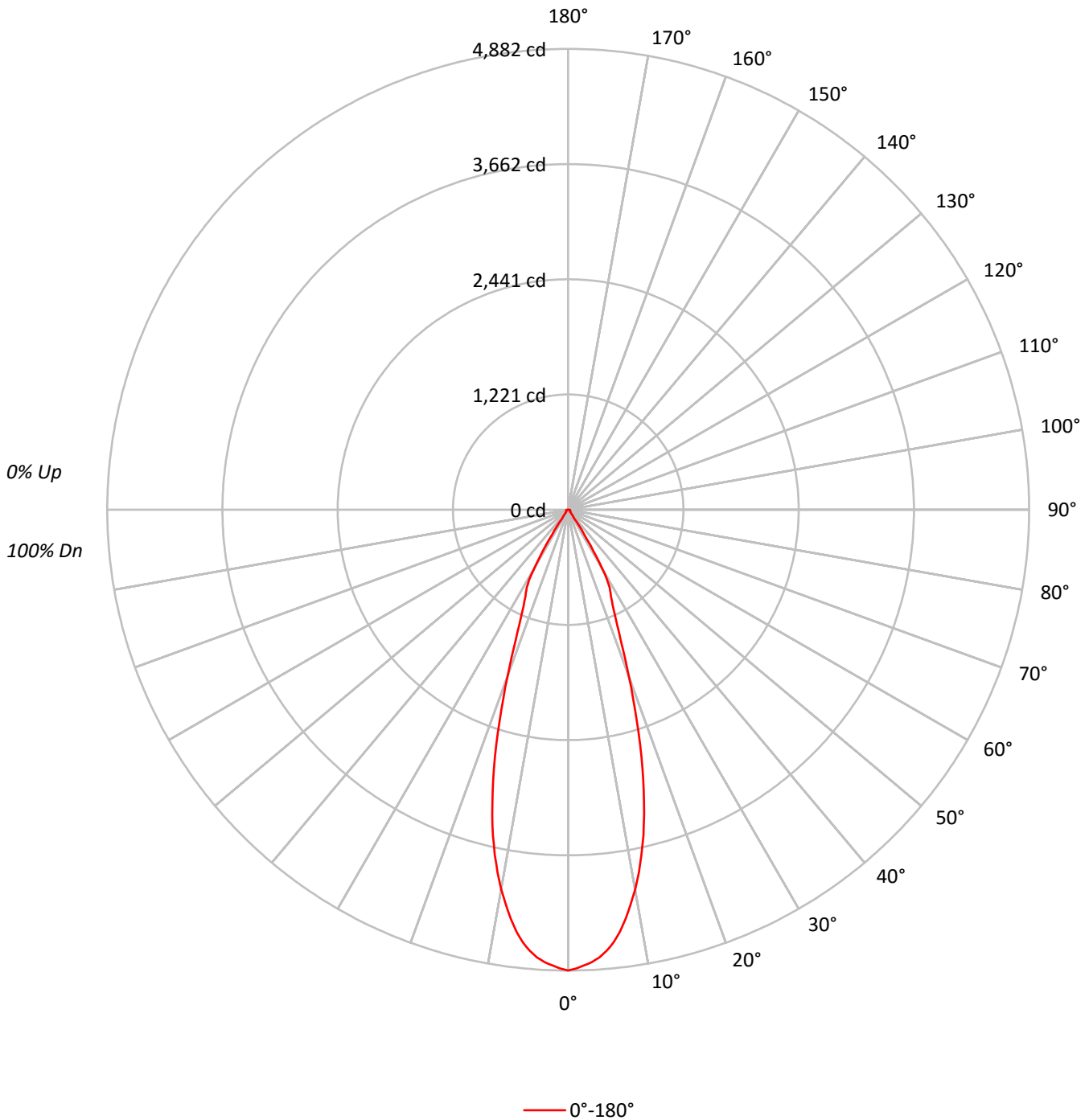
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	602173
5°	580651
10°	511302
15°	394800
20°	246483
25°	151762
30°	104015
35°	16353
40°	7407
45°	5006
50°	5219
55°	5677
60°	6340
65°	7034
70°	8150
75°	10056
80°	11791
85°	11746



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.1	21.0
10°-20°	830.2	40.8
20°-30°	537.6	26.4
30°-40°	138.3	6.8
40°-50°	23.6	1.2
50°-60°	23.9	1.2
60°-70°	23.9	1.2
70°-80°	21.5	1.1
80°-90°	9.0	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°	1795.9	88.2
0°-40°	1934.2	95.0
0°-60°	1981.7	97.3
0°-90°	2036.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4882	
5°	4690	428
15°	3092	830
25°	1115	538
35°	109	138
45°	29	24
55°	26	24
65°	24	24
75°	21	22
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4882.0
1°	4860.1
2°	4831.4
3°	4797.5
4°	4753.7
5°	4689.6
6°	4608.1
7°	4501.7
8°	4374.2
9°	4232.4
10°	4082.3
11°	3917.8
12°	3736.7
13°	3540.6
14°	3325.6
15°	3091.7
16°	2850.3
17°	2602.1
18°	2353.1
19°	2107.9
20°	1877.8
21°	1667.3
22°	1484.0
23°	1329.3
24°	1207.9
25°	1115.1
26°	1041.9
27°	985.3
28°	937.8
29°	854.8
30°	730.3
32.5°	365.1
35°	108.6
37.5°	69.4
40°	46.0
42.5°	29.4
45°	28.7
47.5°	27.9
50°	27.2
52.5°	27.2
55°	26.4
57.5°	26.4
60°	25.7
62.5°	24.9
65°	24.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	23.4
70°	22.6
72.5°	21.9
75°	21.1
77.5°	18.9
80°	16.6
82.5°	12.8
85°	8.3
87.5°	3.8
90°	0.0

(END OF REPORT)