

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: P220753

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)  
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-M-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1997.7 lumens  
Efficiency: N/A  
Efficacy: 70.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

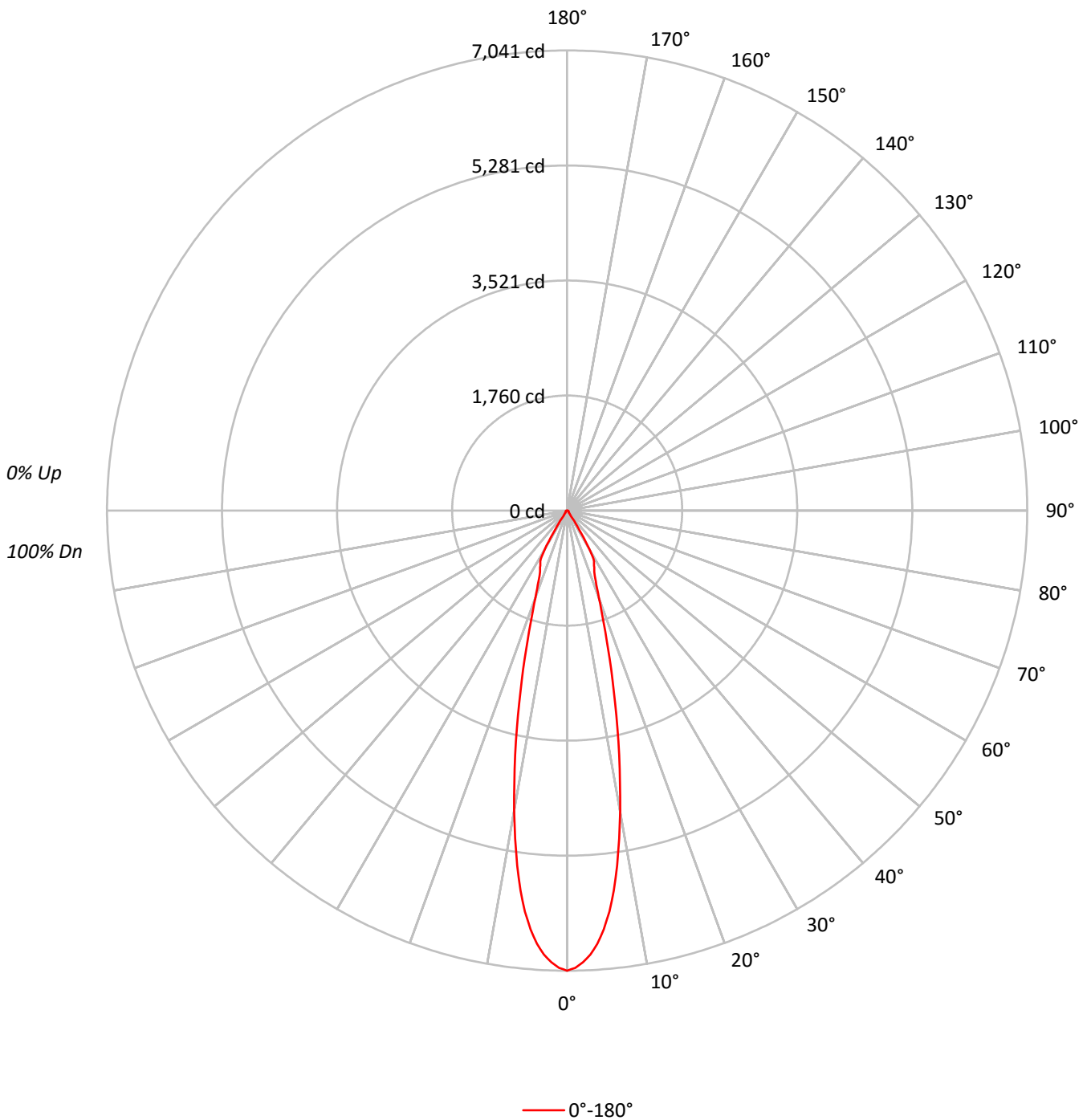
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

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

	0°
0°	868501
5°	796427
10°	584434
15°	342291
20°	186772
25°	133075
30°	98431
35°	14199
40°	7777
45°	5530
50°	5642
55°	5849
60°	6513
65°	7267
70°	8439
75°	10437
80°	12360
85°	11746



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	556.7	27.9
10°-20°	745.4	37.3
20°-30°	460.1	23.0
30°-40°	128.3	6.4
40°-50°	25.9	1.3
50°-60°	24.7	1.2
60°-70°	24.9	1.2
70°-80°	22.3	1.1
80°-90°	9.4	0.5
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°	1762.2	88.2
0°-40°	1890.5	94.6
0°-60°	1941.1	97.2
0°-90°	1997.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1997.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7041	
5°	6432	557
15°	2680	745
25°	978	460
35°	94	128
45°	32	26
55°	27	25
65°	25	25
75°	22	22
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7041.2
1°	6997.4
2°	6916.7
3°	6802.0
4°	6644.3
5°	6432.3
6°	6169.8
7°	5857.4
8°	5484.8
9°	5084.1
10°	4666.2
11°	4240.7
12°	3820.5
13°	3410.8
14°	3030.6
15°	2680.5
16°	2358.4
17°	2069.4
18°	1815.9
19°	1599.4
20°	1422.9
21°	1277.3
22°	1167.9
23°	1084.9
24°	1023.0
25°	977.8
26°	940.8
27°	908.3
28°	877.4
29°	808.0
30°	691.1
32.5°	335.0
35°	94.3
37.5°	64.9
40°	48.3
42.5°	33.9
45°	31.7
47.5°	30.2
50°	29.4
52.5°	27.9
55°	27.2
57.5°	27.2
60°	26.4
62.5°	26.4
65°	24.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	24.1
70°	23.4
72.5°	22.6
75°	21.9
77.5°	19.6
80°	17.4
82.5°	13.6
85°	8.3
87.5°	3.8
90°	0.0

(END OF REPORT)