

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: P220770

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220770  
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-L2-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: 1571.7 lumens  
Efficiency: N/A  
Efficacy: 78.2 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

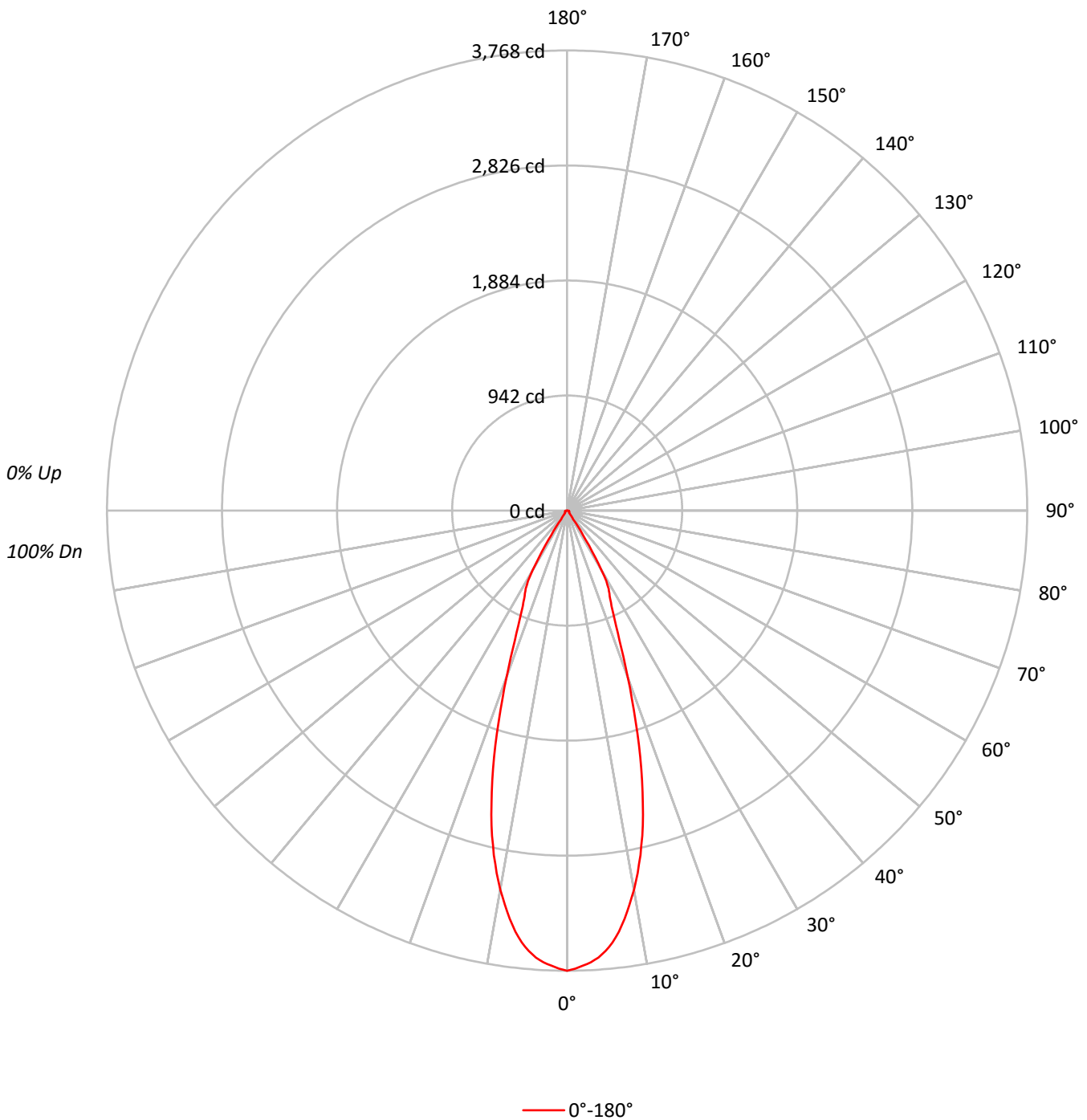
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	464803
5°	448192
10°	394658
15°	304736
20°	190251
25°	117139
30°	80286
35°	12633
40°	5716
45°	3855
50°	4030
55°	4387
60°	4884
65°	5429
70°	6311
75°	7768
80°	9092
85°	9057



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.5	21.0
10°-20°	640.8	40.8
20°-30°	415.0	26.4
30°-40°	106.8	6.8
40°-50°	18.2	1.2
50°-60°	18.4	1.2
60°-70°	18.5	1.2
70°-80°	16.6	1.1
80°-90°	7.0	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°	1386.2	88.2
0°-40°	1493.0	95.0
0°-60°	1529.6	97.3
0°-90°	1571.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1571.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3768	
5°	3620	330
15°	2386	641
25°	861	415
35°	84	107
45°	22	18
55°	20	18
65°	19	18
75°	16	17
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3768.3
1°	3751.4
2°	3729.2
3°	3703.0
4°	3669.3
5°	3619.8
6°	3556.9
7°	3474.8
8°	3376.4
9°	3266.9
10°	3151.0
11°	3024.0
12°	2884.3
13°	2732.9
14°	2566.9
15°	2386.4
16°	2200.0
17°	2008.5
18°	1816.3
19°	1627.0
20°	1449.4
21°	1287.0
22°	1145.4
23°	1026.1
24°	932.3
25°	860.7
26°	804.2
27°	760.5
28°	723.8
29°	659.8
30°	563.7
32.5°	281.8
35°	83.9
37.5°	53.6
40°	35.5
42.5°	22.7
45°	22.1
47.5°	21.5
50°	21.0
52.5°	21.0
55°	20.4
57.5°	20.4
60°	19.8
62.5°	19.2
65°	18.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	18.1
70°	17.5
72.5°	16.9
75°	16.3
77.5°	14.6
80°	12.8
82.5°	9.9
85°	6.4
87.5°	2.9
90°	0.0

(END OF REPORT)