

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: P221092

Luminaire Tested: **9004-W1-FL-LED3597-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221092  
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-LED3597-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1774.1 lumens  
Efficiency: N/A  
Efficacy: 88.3 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

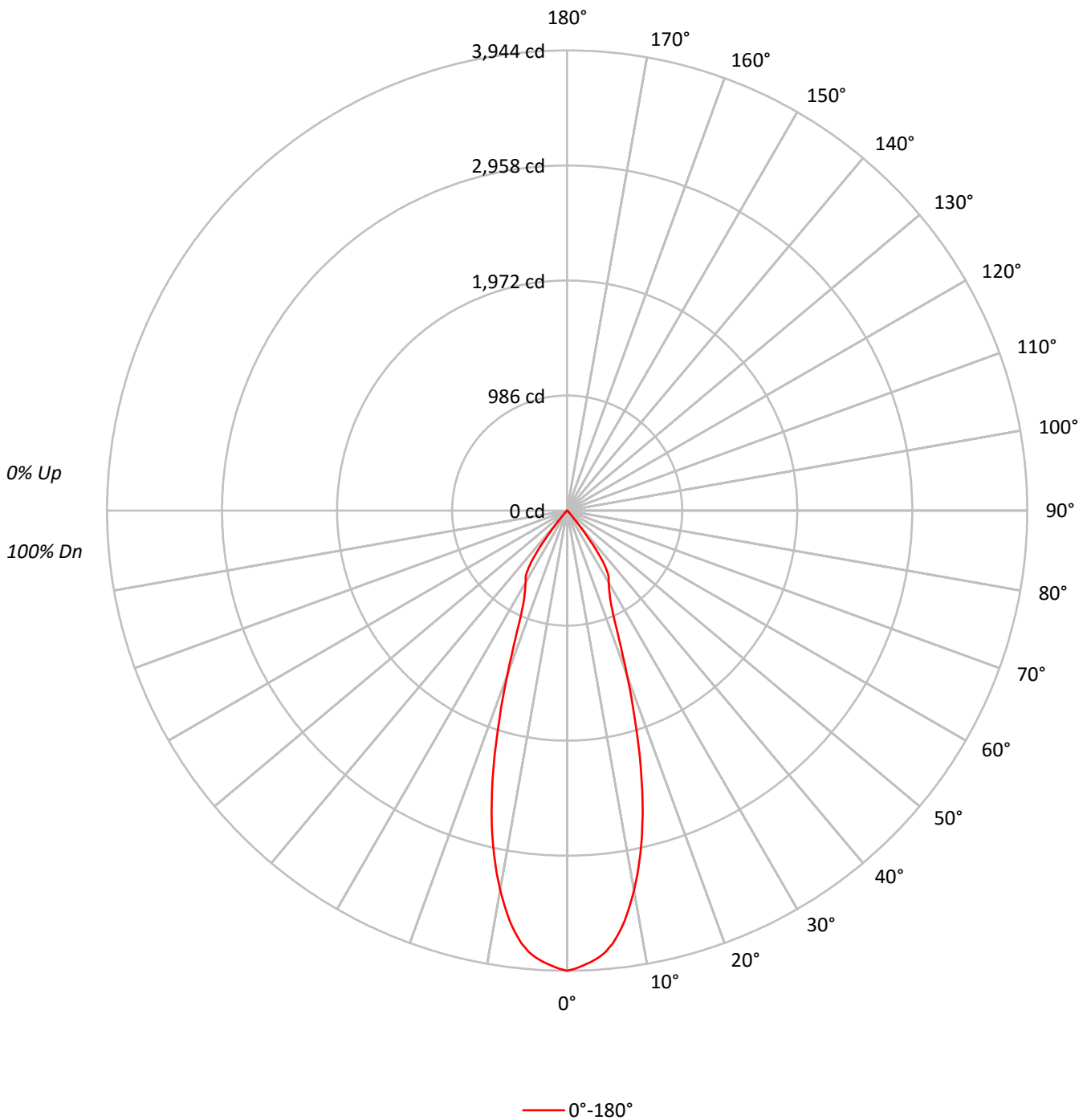
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	486537
5°	469885
10°	413708
15°	317786
20°	196538
25°	121779
30°	101479
35°	81236
40°	17712
45°	3768
50°	710
55°	409
60°	296
65°	175
70°	216
75°	286
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.6	19.5
10°-20°	667.4	37.6
20°-30°	438.3	24.7
30°-40°	295.5	16.7
40°-50°	23.3	1.3
50°-60°	1.7	0.1
60°-70°	0.8	0.0
70°-80°	0.6	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°	1452.2	81.9
0°-40°	1747.7	98.5
0°-60°	1772.7	99.9
0°-90°	1774.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1774.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3944	
5°	3795	347
15°	2489	667
25°	895	438
35°	540	296
45°	22	23
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3944.5
1°	3927.2
2°	3901.9
3°	3874.1
4°	3841.3
5°	3795.0
6°	3731.3
7°	3648.5
8°	3546.5
9°	3428.5
10°	3303.1
11°	3165.3
12°	3015.1
13°	2851.3
14°	2677.1
15°	2488.6
16°	2290.2
17°	2085.0
18°	1879.9
19°	1687.1
20°	1497.3
21°	1333.0
22°	1185.3
23°	1062.9
24°	968.4
25°	894.8
26°	841.7
27°	800.9
28°	766.3
29°	737.9
30°	712.5
32.5°	659.4
35°	539.5
37.5°	320.7
40°	110.0
42.5°	32.8
45°	21.6
47.5°	13.6
50°	3.7
52.5°	1.9
55°	1.9
57.5°	1.2
60°	1.2
62.5°	1.2
65°	0.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)