

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: P220928

Luminaire Tested: **9004-W1-FL-LED3590-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29496)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED3590-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,  
WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1747.7 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

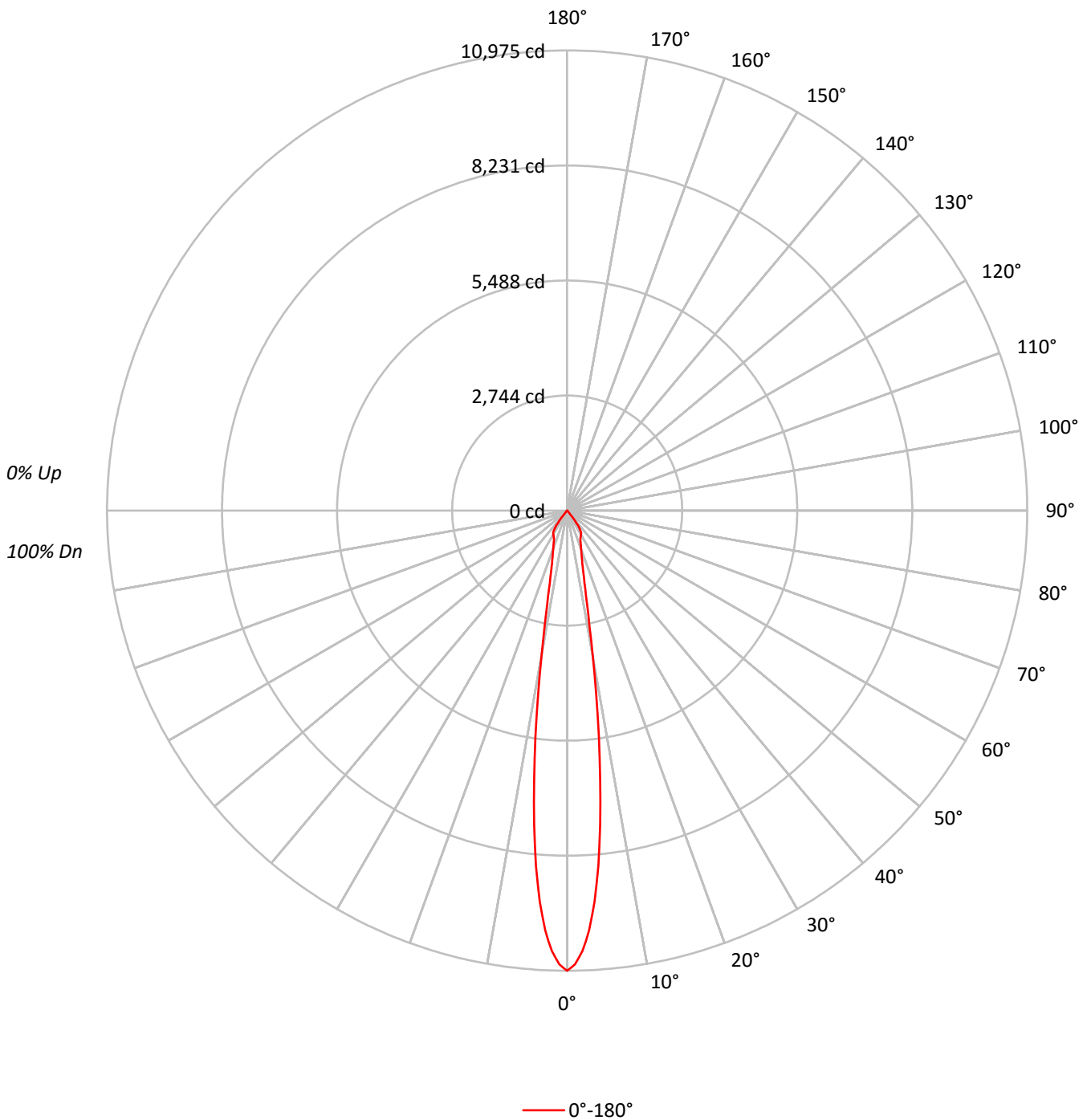
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	104		103	101	100		99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92		95	93	90		93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87		92	89	86		90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87	84	82	81
6	95	89	84	81	94	88	83	80	86	83	80		85	82	79		84	81	79	78
7	92	85	80	77	91	85	80	77	83	79	77		82	79	76		81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74		80	76	74		79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71		77	74	71		76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74	71	69	68

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

	0°
0°	1353694
5°	1053718
10°	438871
15°	185556
20°	127350
25°	101637
30°	93931
35°	76855
40°	16182
45°	3698
50°	1324
55°	1075
60°	617
65°	350
70°	216
75°	286
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	639.6	36.6
10°-20°	448.2	25.6
20°-30°	353.3	20.2
30°-40°	278.2	15.9
40°-50°	22.5	1.3
50°-60°	4.4	0.2
60°-70°	1.1	0.1
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°	1441.1	82.5
0°-40°	1719.2	98.4
0°-60°	1746.1	99.9
0°-90°	1747.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1747.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10975	
5°	8510	640
15°	1453	448
25°	747	353
35°	510	278
45°	21	22
55°	5	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10974.8
1°	10823.8
2°	10510.0
3°	10023.3
4°	9357.6
5°	8510.3
6°	7532.0
7°	6475.1
8°	5438.1
9°	4394.3
10°	3504.0
11°	2793.3
12°	2277.9
13°	1913.0
14°	1648.4
15°	1453.1
16°	1306.5
17°	1199.2
18°	1117.4
19°	1039.5
20°	970.2
21°	912.8
22°	861.6
23°	816.7
24°	777.4
25°	746.8
26°	723.8
27°	706.3
28°	689.4
29°	674.5
30°	659.5
32.5°	622.1
35°	510.4
37.5°	304.5
40°	100.5
42.5°	29.9
45°	21.2
47.5°	15.0
50°	6.9
52.5°	6.2
55°	5.0
57.5°	3.7
60°	2.5
62.5°	1.2
65°	1.2



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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)