

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: P220711

Luminaire Tested: **9004-W1-[RW, RI]-LED3590-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)  
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]-LED3590-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED 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: 892.5 lumens  
Efficiency: N/A  
Efficacy: 91.1 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

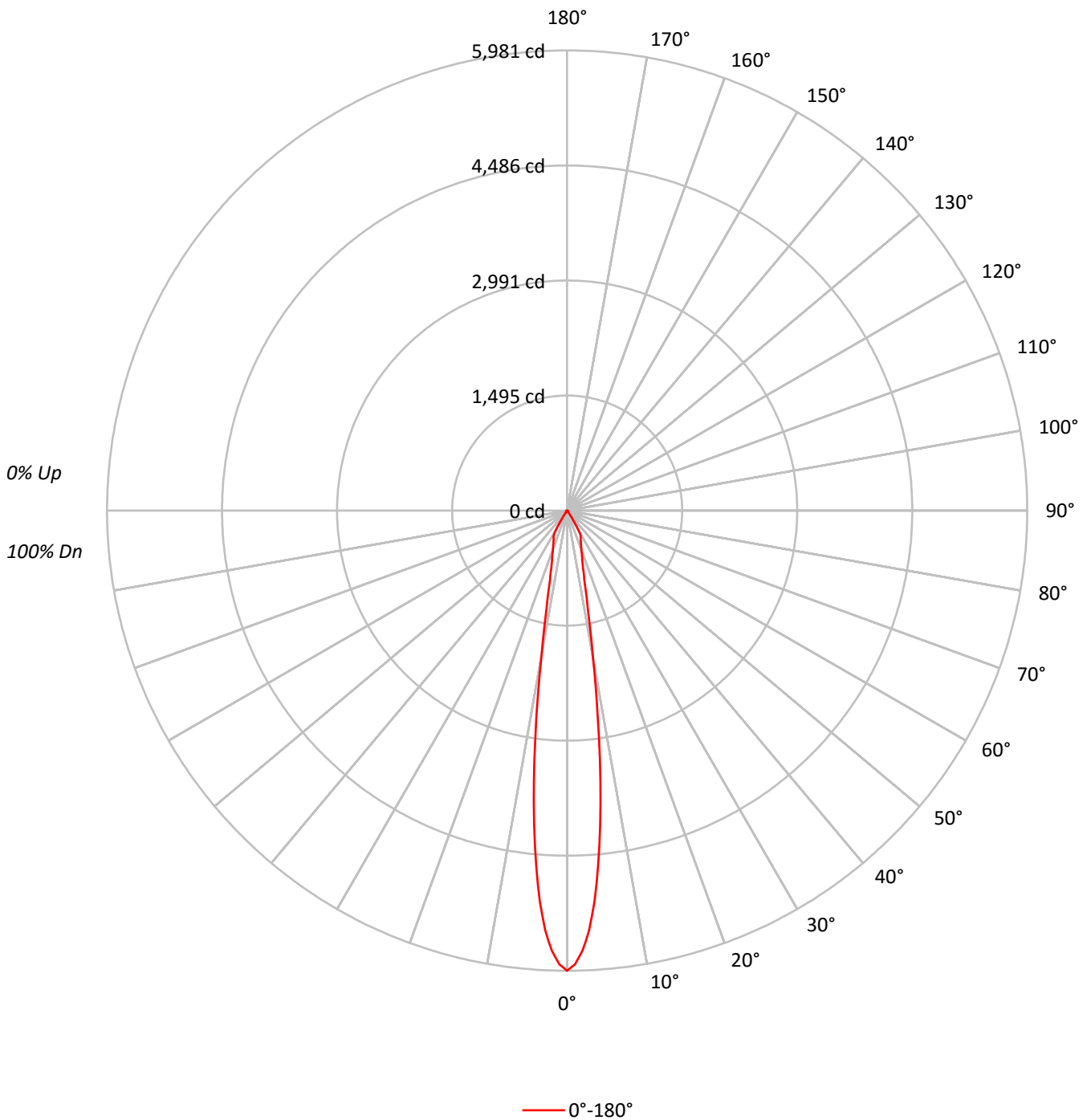
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	737743
5°	573284
10°	242932
15°	103869
20°	70921
25°	56521
30°	42258
35°	5601
40°	2995
45°	2180
50°	2341
55°	2538
60°	2837
65°	3269
70°	3787
75°	4527
80°	5256
85°	5236



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.4	39.1
10°-20°	250.4	28.1
20°-30°	193.2	21.6
30°-40°	53.5	6.0
40°-50°	10.4	1.2
50°-60°	10.6	1.2
60°-70°	11.0	1.2
70°-80°	9.9	1.1
80°-90°	4.1	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°	793.0	88.8
0°-40°	846.5	94.8
0°-60°	867.5	97.2
0°-90°	892.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5981	
5°	4630	349
15°	813	250
25°	415	193
35°	37	54
45°	12	10
55°	12	11
65°	11	11
75°	10	10
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5981.1
1°	5897.3
2°	5723.6
3°	5459.7
4°	5092.7
5°	4630.1
6°	4107.7
7°	3556.2
8°	2959.1
9°	2417.8
10°	1939.6
11°	1562.8
12°	1277.0
13°	1070.2
14°	923.9
15°	813.4
16°	731.2
17°	669.7
18°	621.4
19°	579.2
20°	540.3
22.5°	468.0
25°	415.3
26°	401.8
27°	390.3
28°	376.4
29°	346.4
30°	296.7
32.5°	142.6
35°	37.2
37.5°	24.0
40°	18.6
42.5°	13.9
45°	12.5
47.5°	12.2
50°	12.2
52.5°	11.8
55°	11.8
57.5°	11.8
60°	11.5
62.5°	11.5
65°	11.2
67.5°	10.8
70°	10.5
72.5°	10.1



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	9.5
77.5°	8.8
80°	7.4
82.5°	6.1
85°	3.7
87.5°	1.7
90°	0.0

(END OF REPORT)