

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: P220789

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)  
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-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 877.8 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

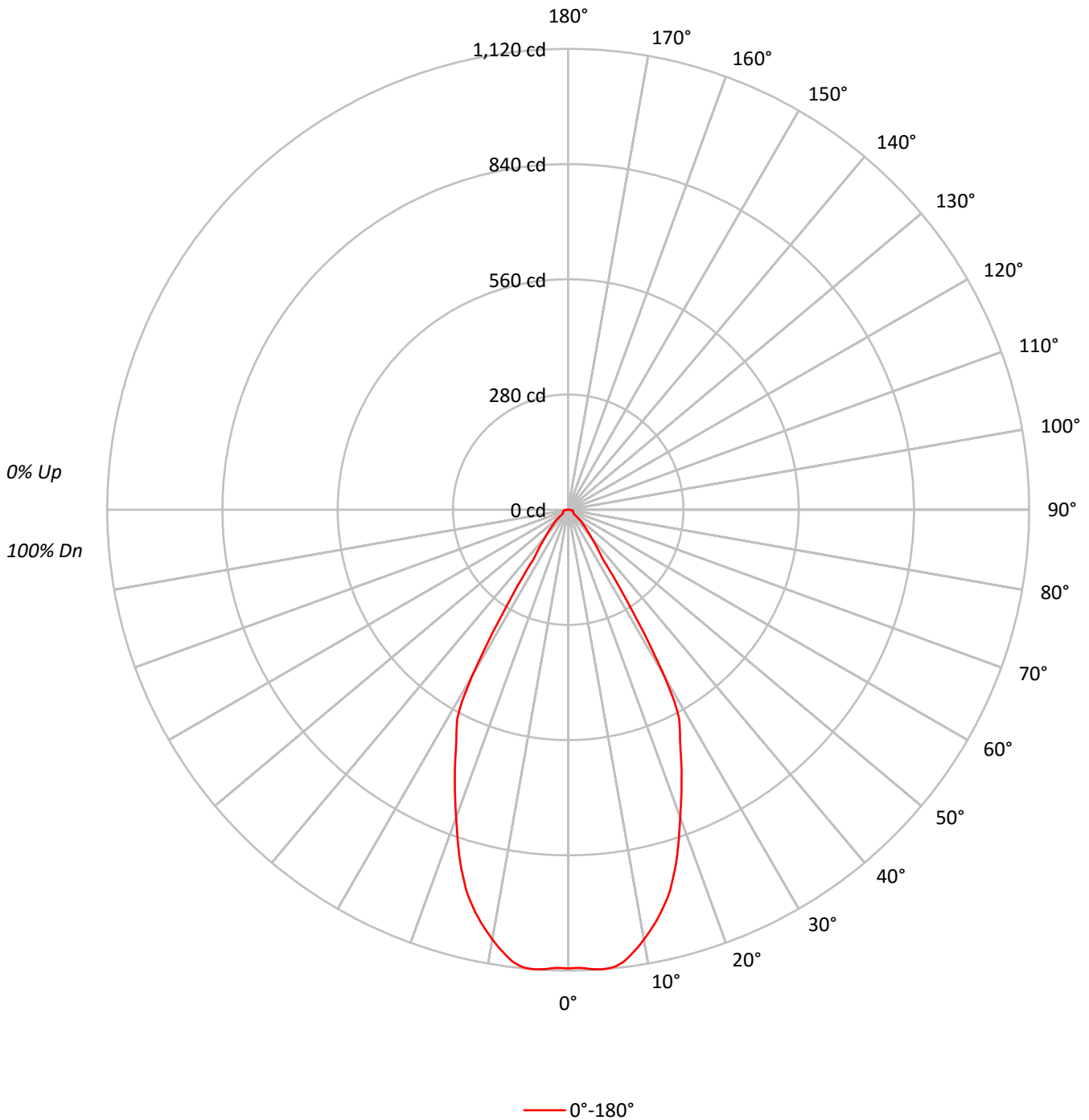
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

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

	0°
0°	137506
5°	138613
10°	132813
15°	122206
20°	104458
25°	87932
30°	66471
35°	22090
40°	14041
45°	9542
50°	5584
55°	3333
60°	3676
65°	4057
70°	4616
75°	5624
80°	6748
85°	6652



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.9	12.0
10°-20°	263.9	30.1
20°-30°	295.6	33.7
30°-40°	123.7	14.1
40°-50°	42.9	4.9
50°-60°	15.6	1.8
60°-70°	13.7	1.6
70°-80°	12.2	1.4
80°-90°	5.1	0.6
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°	664.5	75.7
0°-40°	788.2	89.8
0°-60°	846.7	96.5
0°-90°	877.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1115	
5°	1120	105
15°	957	264
25°	646	296
35°	147	124
45°	55	43
55°	16	16
65°	14	14
75°	12	12
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1114.8
1°	1113.8
2°	1114.8
3°	1118.2
4°	1120.2
5°	1119.5
6°	1115.5
7°	1106.7
8°	1092.8
9°	1077.3
10°	1060.4
11°	1042.5
12°	1024.2
13°	1003.6
14°	981.6
15°	957.0
16°	927.6
17°	896.8
18°	863.7
19°	829.2
20°	795.8
21°	764.7
22°	734.6
23°	704.9
24°	675.8
25°	646.1
26°	620.1
27°	597.1
28°	573.4
29°	530.2
30°	466.7
32.5°	279.8
35°	146.7
37.5°	112.2
40°	87.2
42.5°	67.9
45°	54.7
47.5°	43.9
50°	29.1
52.5°	17.2
55°	15.5
57.5°	15.2
60°	14.9
62.5°	14.5
65°	13.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.2
70°	12.8
72.5°	12.5
75°	11.8
77.5°	10.8
80°	9.5
82.5°	7.4
85°	4.7
87.5°	2.0
90°	0.0

(END OF REPORT)