

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: P220755

Luminaire Tested: **9004-W1-[RW, RI]-LED3590-M-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220755  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)  
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-M-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2140.3 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

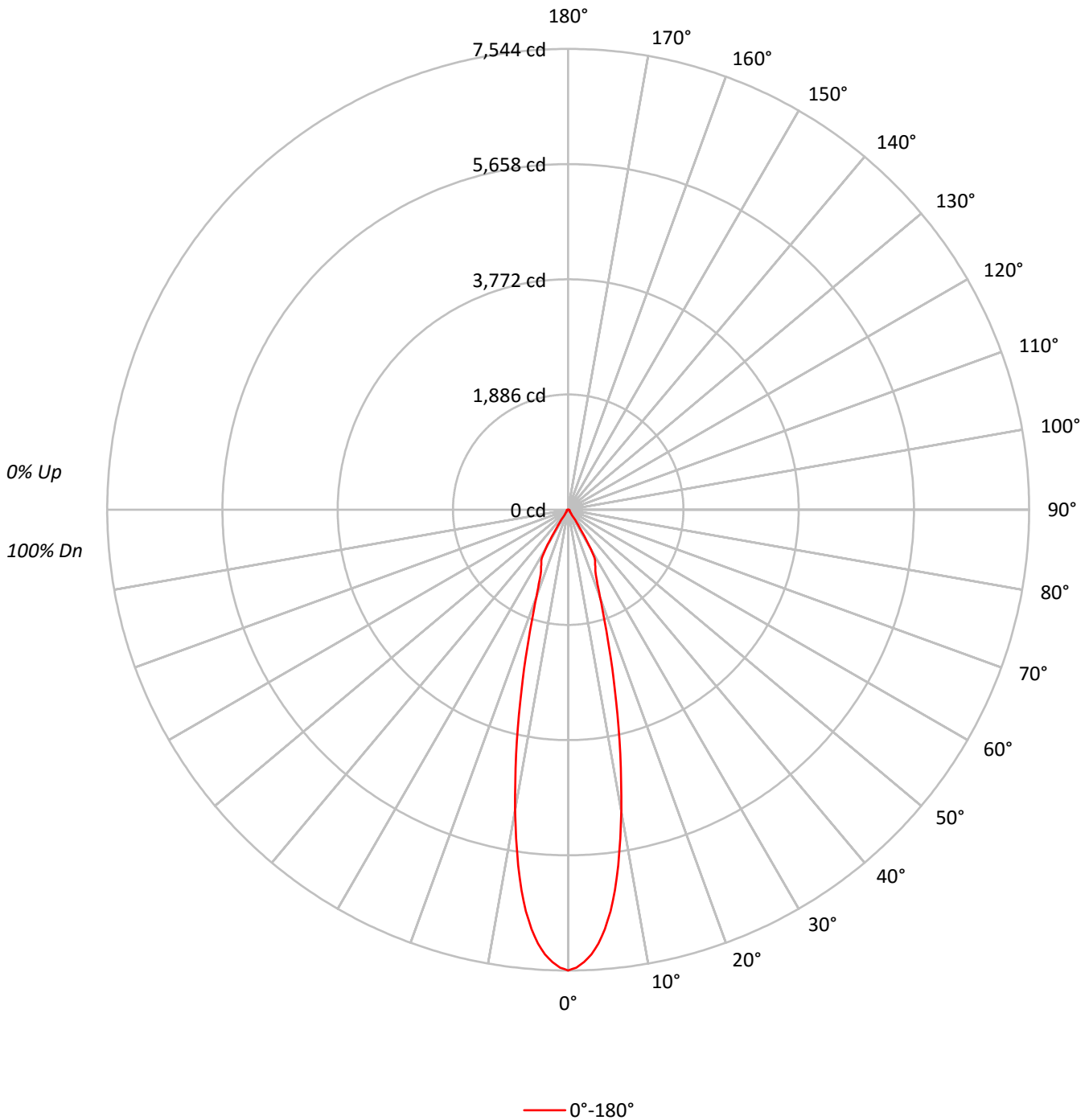
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

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

	0°
0°	930532
5°	853321
10°	626180
15°	366745
20°	200108
25°	142575
30°	105453
35°	15208
40°	8325
45°	5913
50°	6045
55°	6258
60°	6981
65°	7793
70°	9052
75°	11152
80°	13212
85°	12596



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.5	27.9
10°-20°	798.6	37.3
20°-30°	493.0	23.0
30°-40°	137.4	6.4
40°-50°	27.8	1.3
50°-60°	26.4	1.2
60°-70°	26.7	1.2
70°-80°	23.9	1.1
80°-90°	10.0	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°	1888.1	88.2
0°-40°	2025.5	94.6
0°-60°	2079.7	97.2
0°-90°	2140.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2140.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7544	
5°	6892	596
15°	2872	799
25°	1048	493
35°	101	137
45°	34	28
55°	29	26
65°	27	27
75°	23	24
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7544.1
1°	7497.2
2°	7410.7
3°	7287.9
4°	7118.9
5°	6891.8
6°	6610.5
7°	6275.8
8°	5876.5
9°	5447.3
10°	4999.5
11°	4543.6
12°	4093.4
13°	3654.4
14°	3247.0
15°	2872.0
16°	2526.8
17°	2217.2
18°	1945.6
19°	1713.7
20°	1524.5
21°	1368.5
22°	1251.3
23°	1162.4
24°	1096.1
25°	1047.6
26°	1008.0
27°	973.2
28°	940.1
29°	865.7
30°	740.4
32.5°	358.9
35°	101.0
37.5°	69.5
40°	51.7
42.5°	36.4
45°	33.9
47.5°	32.3
50°	31.5
52.5°	29.9
55°	29.1
57.5°	29.1
60°	28.3
62.5°	28.3
65°	26.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	25.9
70°	25.1
72.5°	24.2
75°	23.4
77.5°	21.0
80°	18.6
82.5°	14.5
85°	8.9
87.5°	4.0
90°	0.0

(END OF REPORT)