

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: P220759

Luminaire Tested: **9004-W1-[RW, RI]-LED3597-M-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220759  
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]-LED3597-M-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2119.8 lumens  
Efficiency: N/A  
Efficacy: 74.4 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

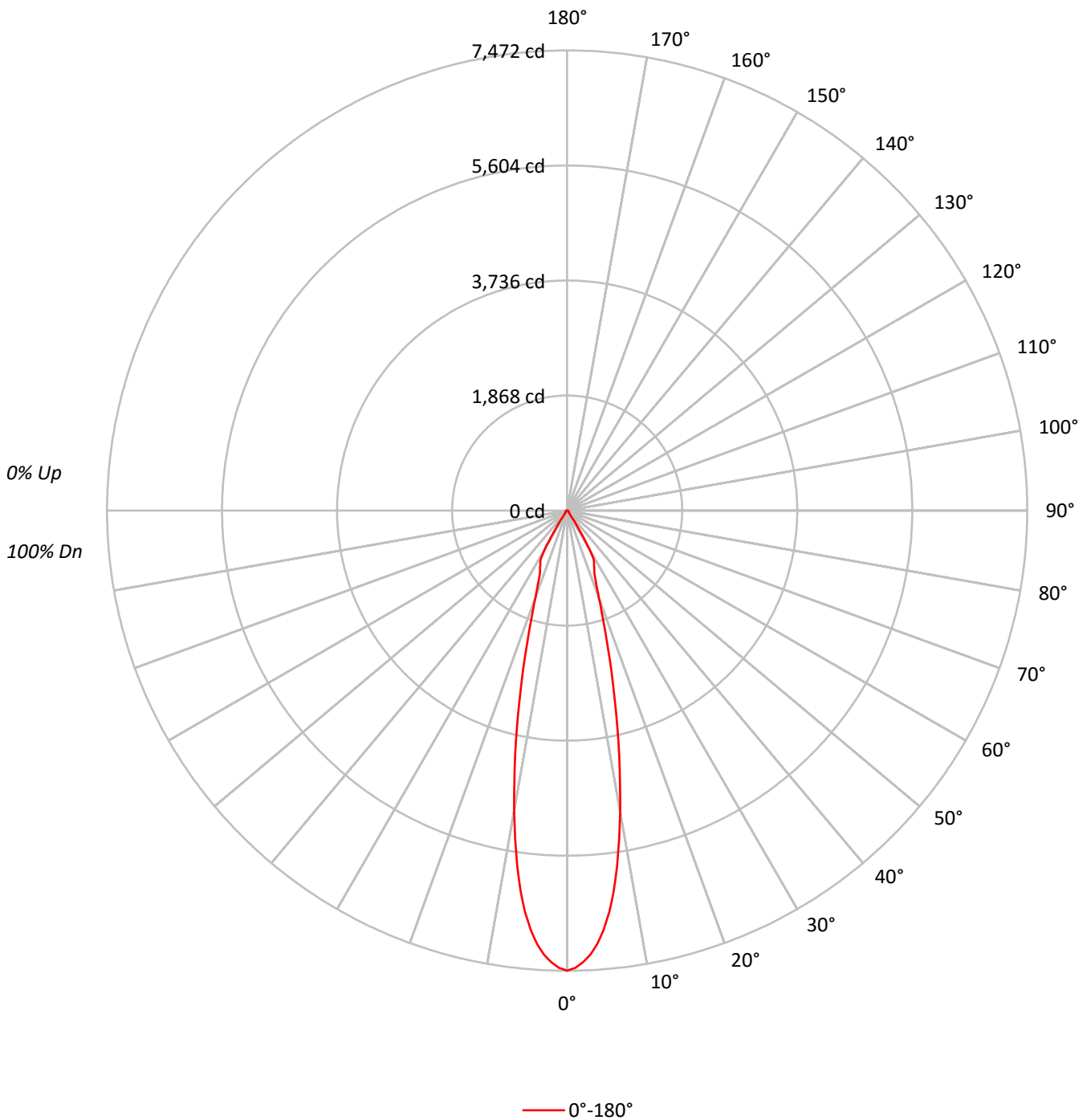
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90	90	90
3	105	100	95	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	86	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76	76	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73	73	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70	70	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68	68	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66	66	66

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

	0°
0°	921651
5°	845173
10°	620205
15°	363246
20°	198205
25°	141214
30°	104456
35°	15073
40°	8244
45°	5861
50°	5987
55°	6193
60°	6907
65°	7705
70°	8944
75°	11056
80°	13070
85°	12454



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	590.8	27.9
10°-20°	791.0	37.3
20°-30°	488.3	23.0
30°-40°	136.1	6.4
40°-50°	27.5	1.3
50°-60°	26.2	1.2
60°-70°	26.4	1.2
70°-80°	23.7	1.1
80°-90°	9.9	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°	1870.1	88.2
0°-40°	2006.2	94.6
0°-60°	2059.9	97.2
0°-90°	2119.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2119.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7472	
5°	6826	591
15°	2845	791
25°	1038	488
35°	100	136
45°	34	27
55°	29	26
65°	26	26
75°	23	24
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7472.1
1°	7425.7
2°	7340.0
3°	7218.3
4°	7051.0
5°	6826.0
6°	6547.4
7°	6216.0
8°	5820.5
9°	5395.3
10°	4951.8
11°	4500.3
12°	4054.3
13°	3619.6
14°	3216.1
15°	2844.6
16°	2502.7
17°	2196.1
18°	1927.1
19°	1697.3
20°	1510.0
21°	1355.4
22°	1239.4
23°	1151.3
24°	1085.6
25°	1037.6
26°	998.4
27°	963.9
28°	931.1
29°	857.5
30°	733.4
32.5°	355.5
35°	100.1
37.5°	68.9
40°	51.2
42.5°	36.0
45°	33.6
47.5°	32.0
50°	31.2
52.5°	29.6
55°	28.8
57.5°	28.8
60°	28.0
62.5°	28.0
65°	26.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	25.6
70°	24.8
72.5°	24.0
75°	23.2
77.5°	20.8
80°	18.4
82.5°	14.4
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)