

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: P220889

Luminaire Tested: **9004-W1-[RW, RI]-LED3597-F-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29493)  
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-F-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2010.8 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

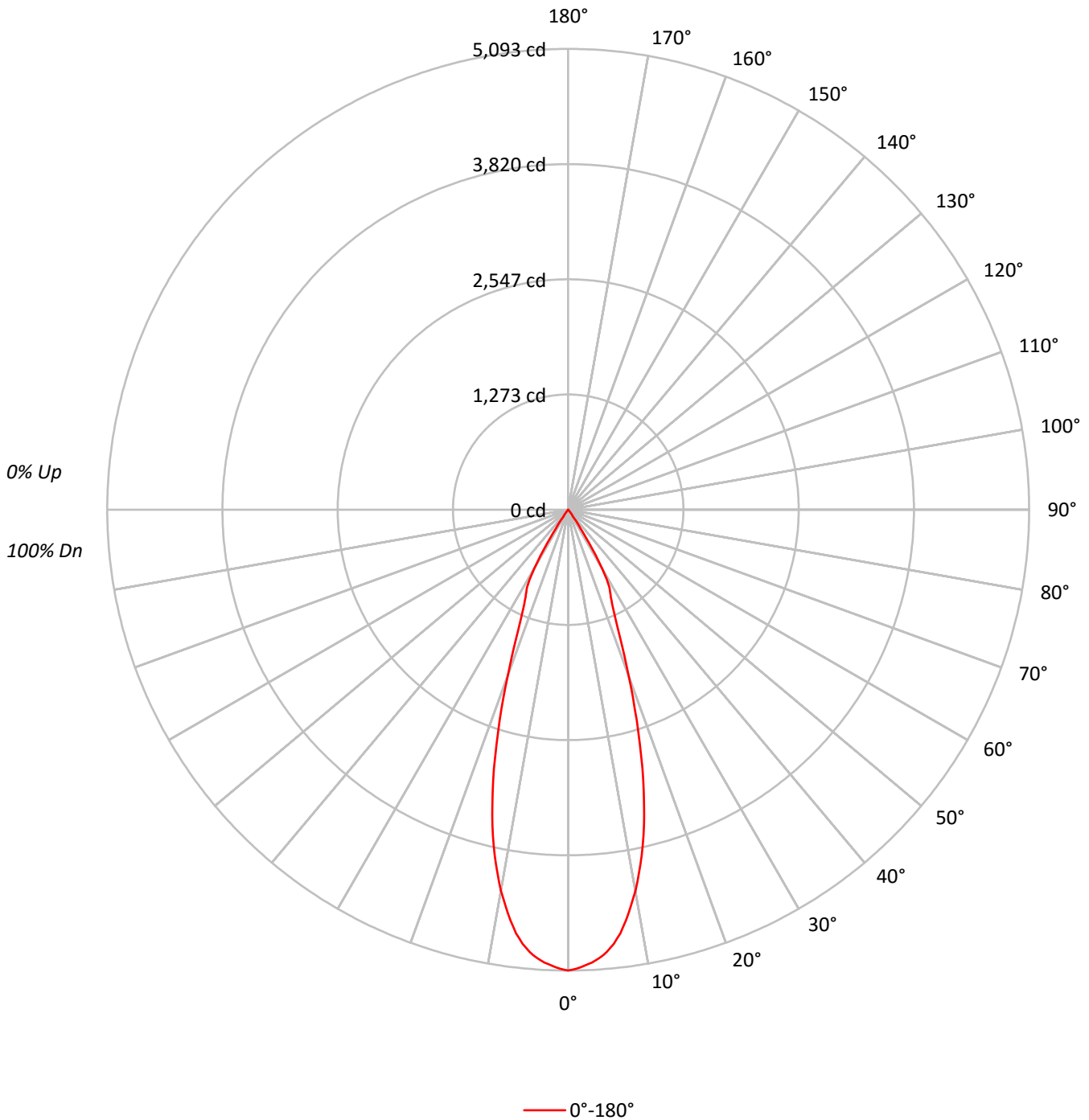
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	90	87	85	84
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	82	78	75	81	77	75	74
8	89	81	76	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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

	0°
0°	628162
5°	607371
10°	535575
15°	412320
20°	255790
25°	156471
30°	106507
35°	14109
40°	3993
45°	977
50°	768
55°	516
60°	395
65°	467
70°	289
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	448.1	22.3
10°-20°	866.2	43.1
20°-30°	555.4	27.6
30°-40°	130.9	6.5
40°-50°	6.2	0.3
50°-60°	2.4	0.1
60°-70°	1.3	0.1
70°-80°	0.3	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°	1869.7	93.0
0°-40°	2000.6	99.5
0°-60°	2009.2	99.9
0°-90°	2010.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5093	
5°	4905	448
15°	3229	866
25°	1150	555
35°	94	131
45°	6	6
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5092.7
1°	5074.3
2°	5044.7
3°	5011.0
4°	4967.0
5°	4905.4
6°	4822.9
7°	4718.0
8°	4581.9
9°	4433.8
10°	4276.1
11°	4097.5
12°	3906.2
13°	3698.8
14°	3469.1
15°	3228.9
16°	2974.3
17°	2710.9
18°	2448.3
19°	2193.7
20°	1948.7
21°	1730.9
22°	1536.4
23°	1373.1
24°	1249.0
25°	1149.7
26°	1075.2
27°	1017.6
28°	966.3
29°	879.1
30°	747.8
32.5°	357.1
35°	93.7
37.5°	49.6
40°	24.8
42.5°	8.0
45°	5.6
47.5°	4.8
50°	4.0
52.5°	3.2
55°	2.4
57.5°	2.4
60°	1.6
62.5°	1.6
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)