

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: P220407

Luminaire Tested: **9002-W1-FL-LED3597-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29421)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED3597-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

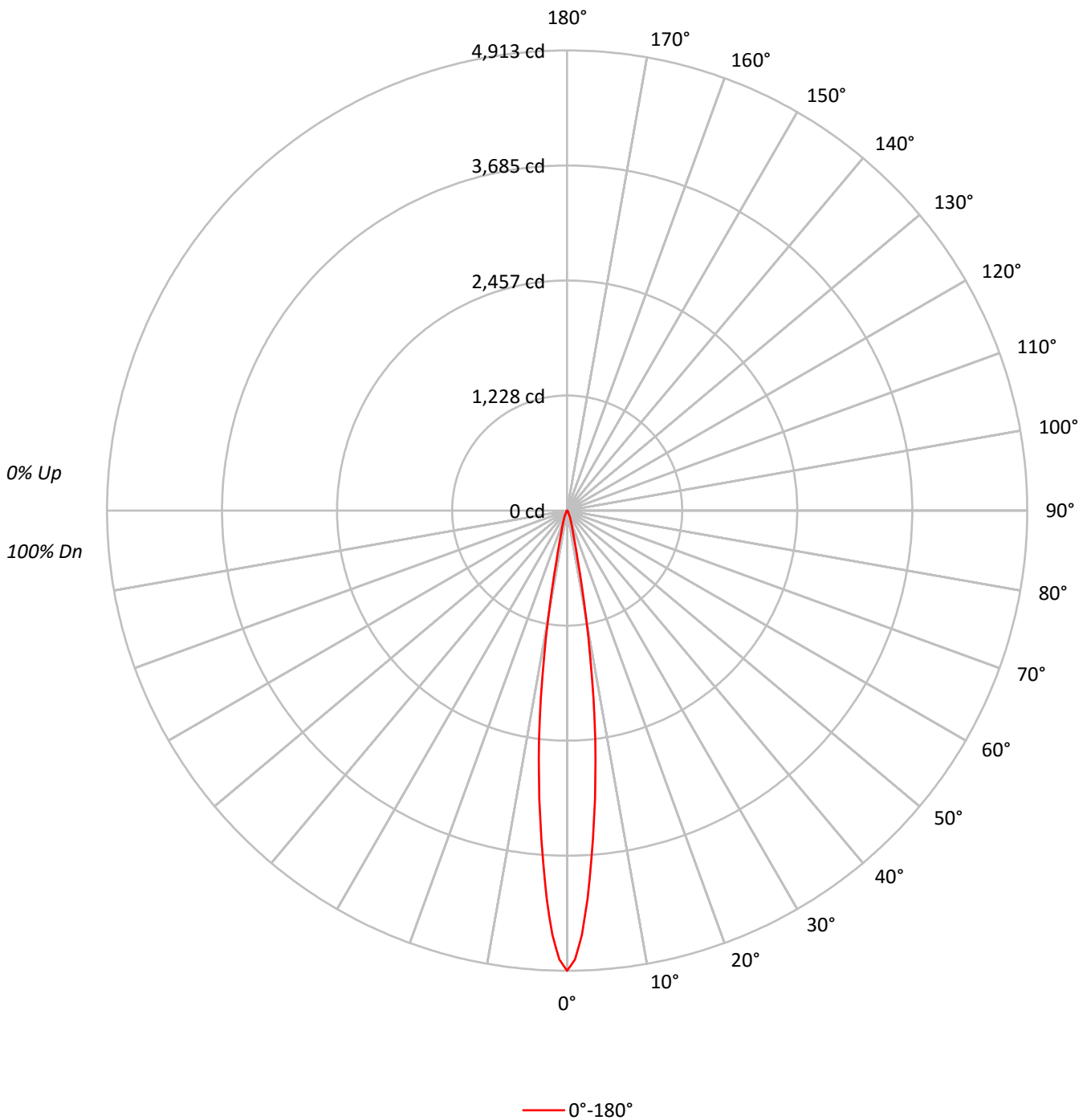
Lumens per Lamp: N/A
Luminaire Lumens: 372.4 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.24
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): 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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96
3	110	106	103	101	108	105	102	100	103	101	99	101	99	97	98	97	96	95
4	108	103	100	98	106	102	100	97	101	98	96	99	97	95	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88
9	99	94	91	89	98	93	90	88	93	90	88	92	90	88	91	89	88	87
10	97	92	89	87	97	92	89	87	91	89	87	91	89	87	90	88	87	86

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2424122
5°	1635412
10°	582101
15°	121209
20°	58437
25°	28308
30°	9742
35°	4879
40°	3671
45°	2303
50°	1842
55°	1376
60°	1579
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.1	66.4
10°-20°	88.6	23.8
20°-30°	24.9	6.7
30°-40°	5.7	1.5
40°-50°	3.0	0.8
50°-60°	1.7	0.5
60°-70°	1.1	0.3
70°-80°	0.3	0.1
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°	360.6	96.8
0°-40°	366.4	98.4
0°-60°	371.0	99.6
0°-90°	372.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	372.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4913	
5°	3302	247
15°	237	89
25°	52	25
35°	8	6
45°	3	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4913.3
1°	4792.3
2°	4530.6
3°	4150.4
4°	3724.6
5°	3302.1
6°	2885.3
7°	2462.8
8°	2021.6
9°	1576.3
10°	1161.9
11°	810.9
12°	550.9
13°	390.8
14°	297.4
15°	237.3
17.5°	153.6
20°	111.3
22.5°	80.4
25°	52.0
27.5°	30.1
30°	17.1
32.5°	11.4
35°	8.1
37.5°	6.5
40°	5.7
42.5°	4.9
45°	3.3
47.5°	3.3
50°	2.4
52.5°	2.4
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.6
65°	0.8
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



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)