

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: P220387

Luminaire Tested: **9002-W1-FL-LED3590-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED3590-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 898.8 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

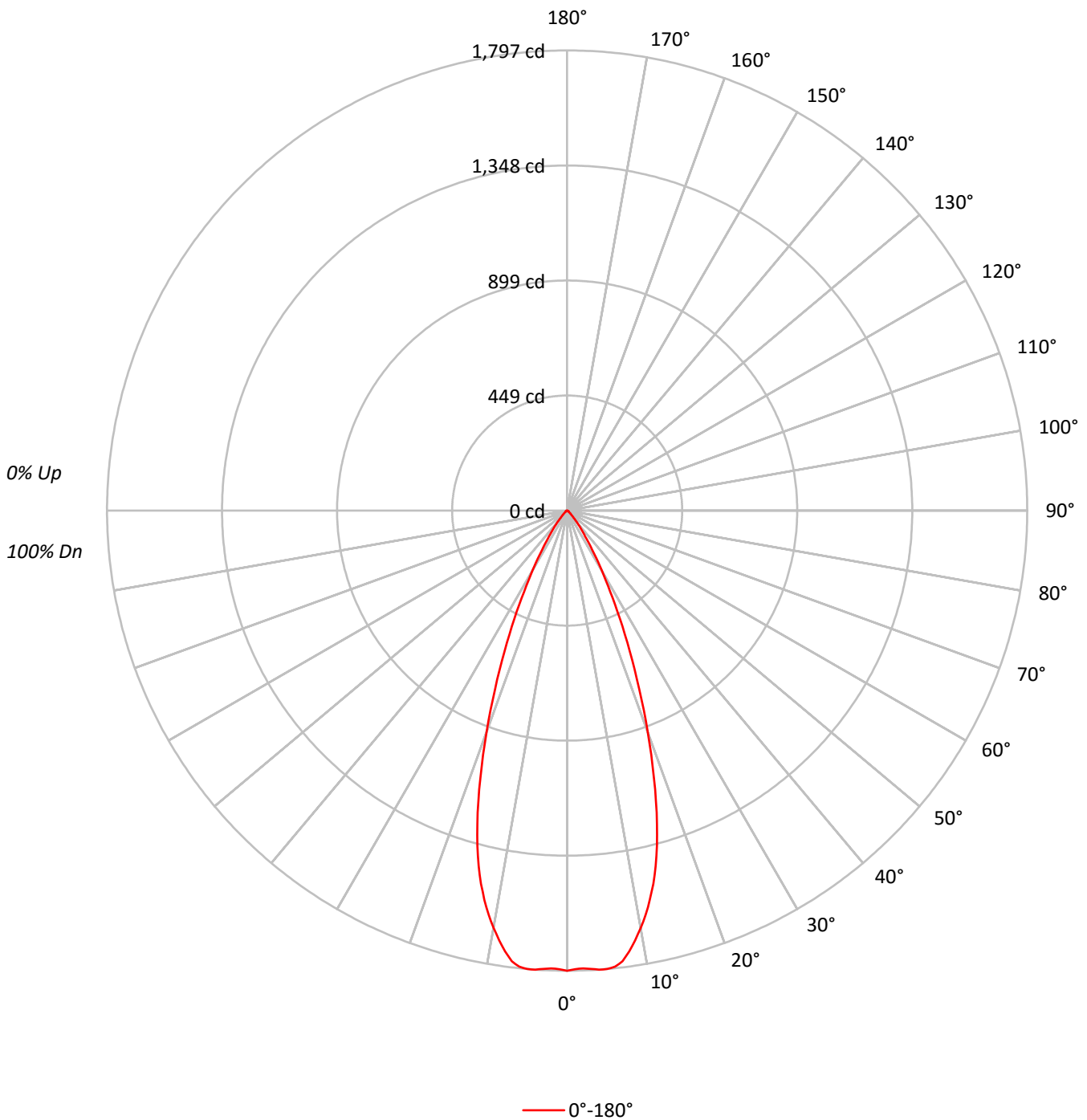
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87	85	82	81
5	97	89	84	81	95	89	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	81	76	73	88	81	76	72	79	75	72		78	74	72		77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69		75	71	68		74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66		72	68	65		71	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63		70	66	63		69	65	63	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	886702
5°	890089
10°	829039
15°	691704
20°	482515
25°	290374
30°	153422
35°	73782
40°	35230
45°	16397
50°	9364
55°	5935
60°	5131
65°	5020
70°	5049
75°	4956
80°	4830
85°	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.2	18.6
10°-20°	365.4	40.7
20°-30°	247.2	27.5
30°-40°	83.7	9.3
40°-50°	20.5	2.3
50°-60°	6.8	0.8
60°-70°	4.5	0.5
70°-80°	2.7	0.3
80°-90°	0.7	0.1
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°	779.8	86.8
0°-40°	863.5	96.1
0°-60°	890.8	99.1
0°-90°	898.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1797	
5°	1797	167
15°	1354	365
25°	533	247
35°	122	84
45°	24	21
55°	7	7
65°	4	4
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1797.2
1°	1791.2
2°	1788.6
3°	1792.0
4°	1797.2
5°	1797.2
6°	1791.2
7°	1772.9
8°	1739.0
9°	1699.1
10°	1654.8
11°	1607.9
12°	1554.0
13°	1495.8
14°	1429.8
15°	1354.2
16°	1273.4
17°	1186.6
18°	1096.2
19°	1009.4
20°	919.0
21°	834.8
22°	752.3
23°	674.1
24°	601.1
25°	533.4
26°	469.9
27°	411.7
28°	358.8
29°	311.8
30°	269.3
32.5°	182.4
35°	122.5
37.5°	82.5
40°	54.7
42.5°	34.7
45°	23.5
47.5°	16.5
50°	12.2
52.5°	8.7
55°	6.9
57.5°	6.1
60°	5.2
62.5°	5.2
65°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.3
70°	3.5
72.5°	3.5
75°	2.6
77.5°	1.7
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)