

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: P220419

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

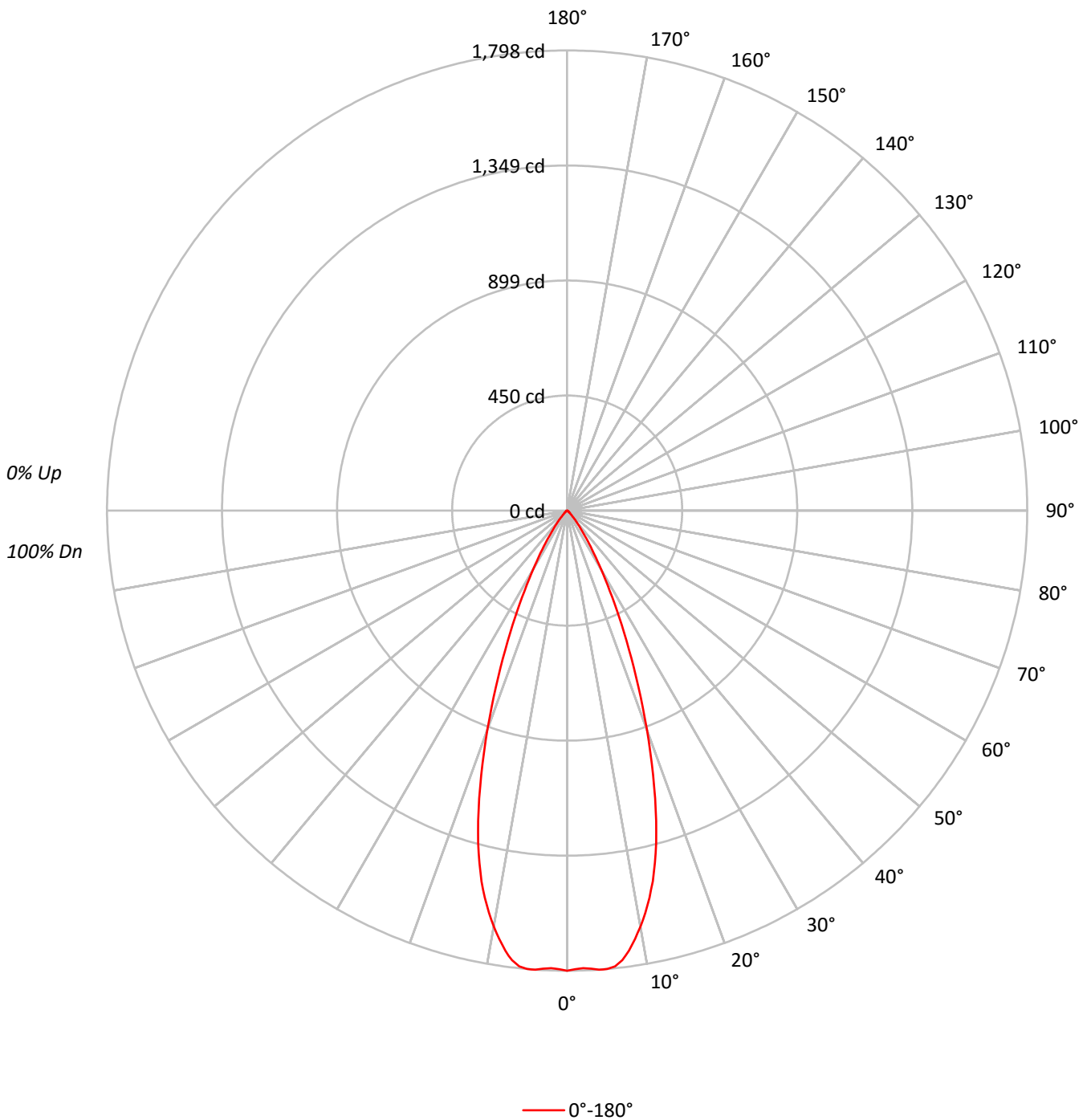
Lumens per Lamp: N/A
Luminaire Lumens: 881.5 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91	89	87	86
4	101	95	90	86	99	94	89	86	91	88	85		90	86	84		88	85	83	82
5	97	90	85	81	96	89	84	81	87	83	80		86	82	80		84	81	79	78
6	93	86	81	77	92	85	80	77	84	79	76		82	79	76		81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73		79	75	72		78	75	72	71
8	86	78	73	70	85	78	73	70	77	72	69		76	72	69		75	71	69	68
9	83	75	70	67	82	75	70	67	74	69	66		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	63		69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	887146
5°	890535
10°	826835
15°	686392
20°	478000
25°	286564
30°	151428
35°	72216
40°	33556
45°	14513
50°	7369
55°	3699
60°	2566
65°	1985
70°	2452
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	19.0
10°-20°	362.6	41.1
20°-30°	244.3	27.7
30°-40°	82.0	9.3
40°-50°	18.5	2.1
50°-60°	4.6	0.5
60°-70°	2.0	0.2
70°-80°	0.5	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°	774.0	87.8
0°-40°	856.0	97.1
0°-60°	879.1	99.7
0°-90°	881.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1798	
5°	1798	167
15°	1344	363
25°	526	244
35°	120	82
45°	21	18
55°	4	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1798.1
1°	1792.0
2°	1788.6
3°	1792.9
4°	1798.1
5°	1798.1
6°	1791.2
7°	1770.3
8°	1736.4
9°	1694.7
10°	1650.4
11°	1600.9
12°	1547.1
13°	1486.3
14°	1418.5
15°	1343.8
16°	1261.3
17°	1176.2
18°	1086.7
19°	998.1
20°	910.4
21°	825.2
22°	743.6
23°	666.3
24°	594.2
25°	526.4
26°	463.9
27°	407.4
28°	354.4
29°	307.5
30°	265.8
32.5°	179.8
35°	119.9
37.5°	79.9
40°	52.1
42.5°	32.1
45°	20.8
47.5°	13.9
50°	9.6
52.5°	6.9
55°	4.3
57.5°	3.5
60°	2.6
62.5°	2.6
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.7
72.5°	0.9
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)