

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: P220390

Luminaire Tested: **9002-W1-FL-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220390
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-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

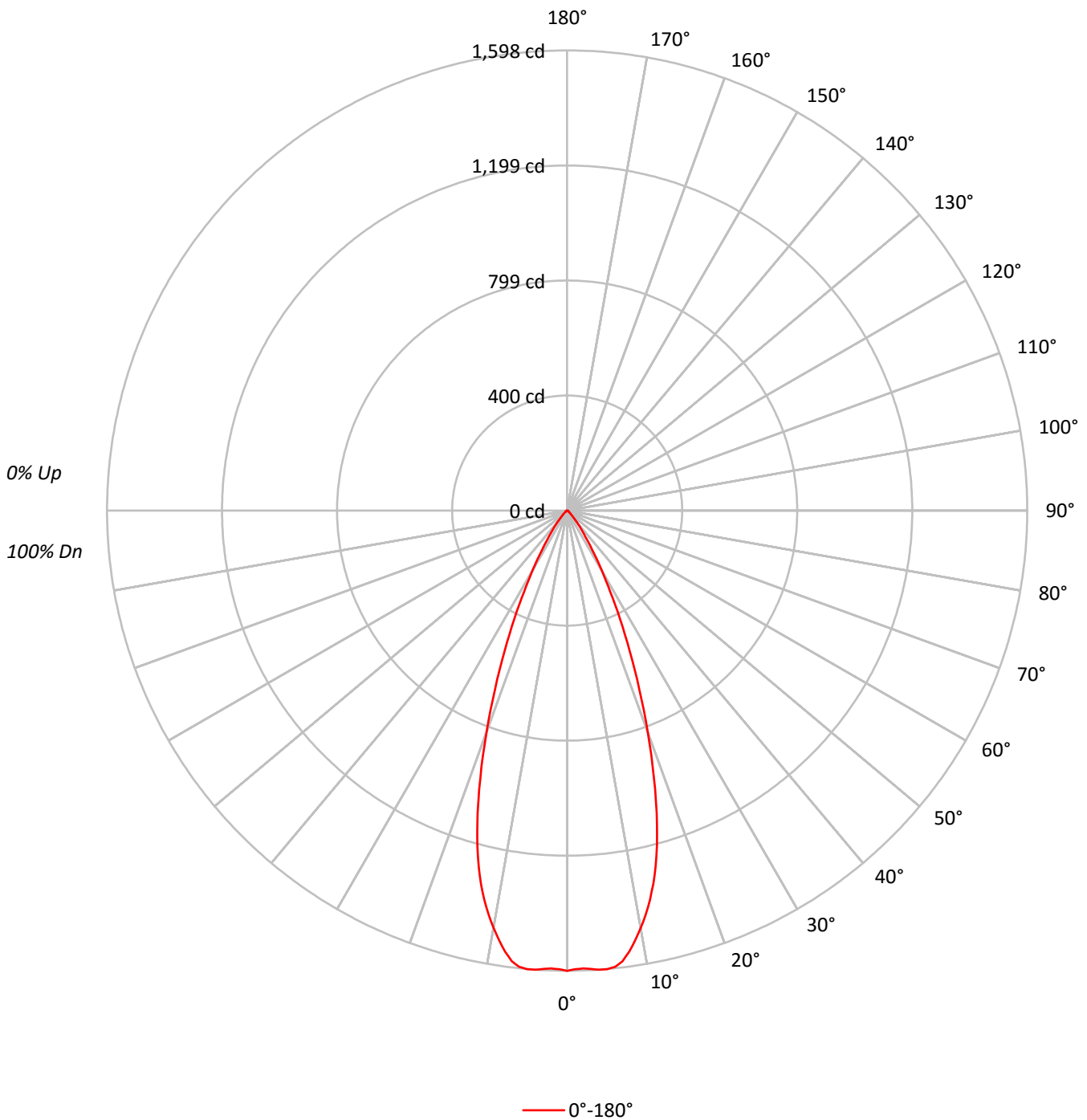
Lumens per Lamp: N/A
Luminaire Lumens: 799.4 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): 120
Input Current (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	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°	788667
5°	791680
10°	737358
15°	615188
20°	429171
25°	258256
30°	136444
35°	65591
40°	31366
45°	14583
50°	8290
55°	5333
60°	4539
65°	4553
70°	4472
75°	4384
80°	4262
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	18.6
10°-20°	325.0	40.7
20°-30°	219.8	27.5
30°-40°	74.5	9.3
40°-50°	18.3	2.3
50°-60°	6.0	0.8
60°-70°	4.0	0.5
70°-80°	2.4	0.3
80°-90°	0.6	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°	693.6	86.8
0°-40°	768.0	96.1
0°-60°	792.3	99.1
0°-90°	799.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1598	
5°	1598	149
15°	1204	325
25°	474	220
35°	109	74
45°	21	18
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1598.5
1°	1593.1
2°	1590.7
3°	1593.8
4°	1598.5
5°	1598.5
6°	1593.1
7°	1576.8
8°	1546.7
9°	1511.2
10°	1471.8
11°	1430.0
12°	1382.1
13°	1330.4
14°	1271.7
15°	1204.4
16°	1132.6
17°	1055.3
18°	975.0
19°	897.7
20°	817.4
21°	742.4
22°	669.1
23°	599.5
24°	534.6
25°	474.4
26°	418.0
27°	366.2
28°	319.1
29°	277.4
30°	239.5
32.5°	162.2
35°	108.9
37.5°	73.4
40°	48.7
42.5°	30.9
45°	20.9
47.5°	14.7
50°	10.8
52.5°	7.7
55°	6.2
57.5°	5.4
60°	4.6
62.5°	4.6
65°	3.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.9
70°	3.1
72.5°	3.1
75°	2.3
77.5°	1.5
80°	1.5
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)