

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: P220408

Luminaire Tested: **9002-W1-FL-LED4097-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220408
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-LED4097-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

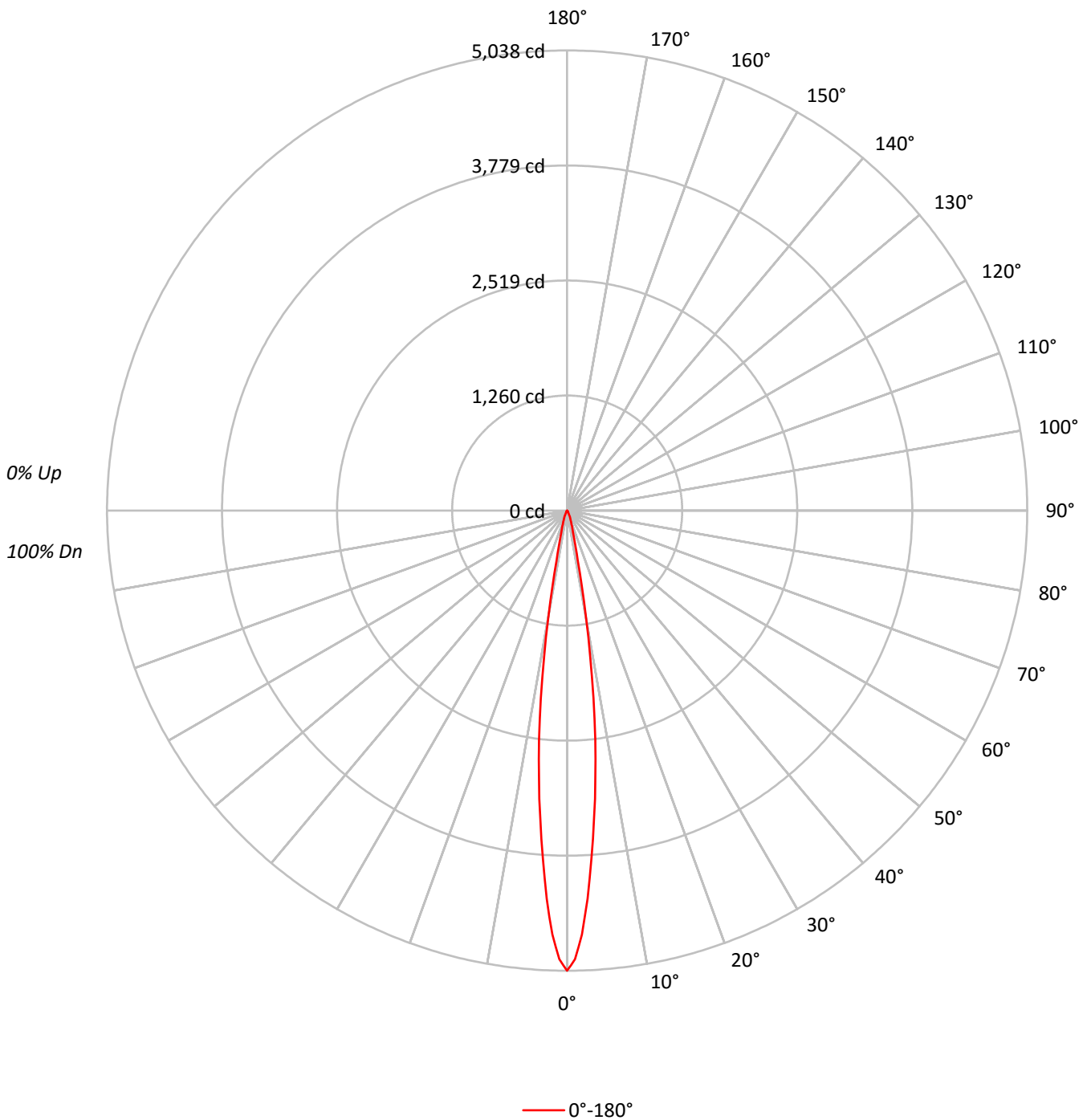
Lumens per Lamp: N/A
Luminaire Lumens: 381.9 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.24
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P220408
CATALOG NUMBER: 9002-W1-FL-LED4097-S-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220408

CATALOG NUMBER: 9002-W1-FL-LED4097-S-BK-L1-UNV

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	100	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°	2485399
5°	1676766
10°	596830
15°	124274
20°	59907
25°	29016
30°	9970
35°	4999
40°	3736
45°	2303
50°	1919
55°	1462
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P220408

CATALOG NUMBER: 9002-W1-FL-LED4097-S-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	66.4
10°-20°	90.8	23.8
20°-30°	25.5	6.7
30°-40°	5.9	1.5
40°-50°	3.0	0.8
50°-60°	1.8	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°	369.7	96.8
0°-40°	375.6	98.4
0°-60°	380.4	99.6
0°-90°	381.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	381.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5038	
5°	3386	253
15°	243	91
25°	53	26
35°	8	6
45°	3	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220408

CATALOG NUMBER: 9002-W1-FL-LED4097-S-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	5037.5
1°	4913.4
2°	4645.2
3°	4255.3
4°	3818.8
5°	3385.6
6°	2958.2
7°	2525.0
8°	2072.7
9°	1616.1
10°	1191.3
11°	831.4
12°	564.8
13°	400.7
14°	304.9
15°	243.3
17.5°	157.4
20°	114.1
22.5°	82.5
25°	53.3
27.5°	30.8
30°	17.5
32.5°	11.7
35°	8.3
37.5°	6.7
40°	5.8
42.5°	5.0
45°	3.3
47.5°	3.3
50°	2.5
52.5°	2.5
55°	1.7
57.5°	1.7
60°	1.7
62.5°	1.7
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



TEST NUMBER: P220408

CATALOG NUMBER: 9002-W1-FL-LED4097-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)