

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: P220417

Luminaire Tested: **9002-W1-FL-LED2790-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220417
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-LED2790-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

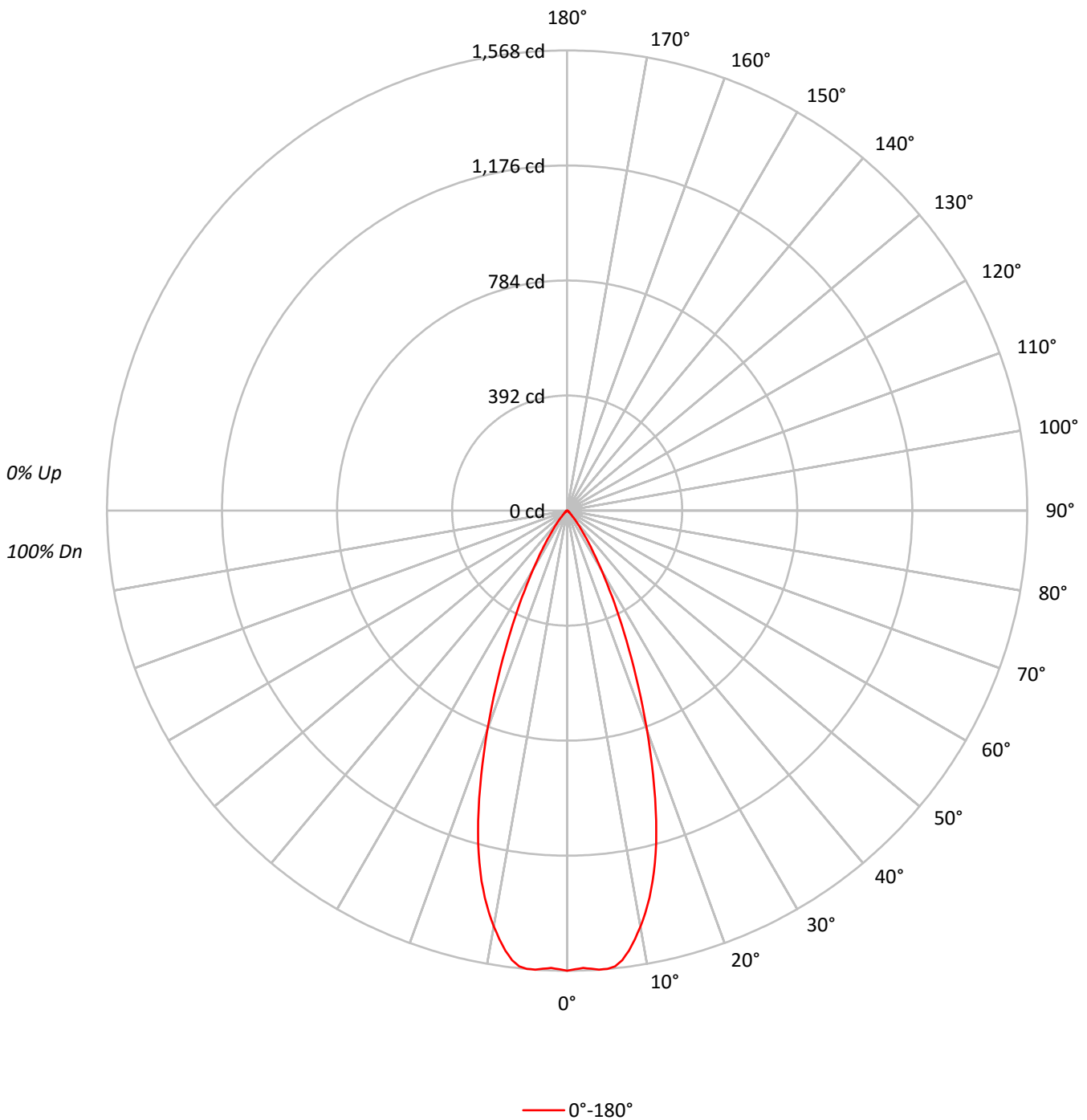
Lumens per Lamp: N/A
Luminaire Lumens: 768.7 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P220417
CATALOG NUMBER: 9002-W1-FL-LED2790-F-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220417

CATALOG NUMBER: 9002-W1-FL-LED2790-F-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	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°	773570
5°	776525
10°	720976
15°	598537
20°	416780
25°	249872
30°	132058
35°	62941
40°	29240
45°	12699
50°	6371
55°	3269
60°	2270
65°	1751
70°	2164
75°	0
80°	0
85°	0



TEST NUMBER: P220417

CATALOG NUMBER: 9002-W1-FL-LED2790-F-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	19.0
10°-20°	316.2	41.1
20°-30°	213.0	27.7
30°-40°	71.5	9.3
40°-50°	16.1	2.1
50°-60°	4.0	0.5
60°-70°	1.8	0.2
70°-80°	0.4	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°	674.9	87.8
0°-40°	746.4	97.1
0°-60°	766.5	99.7
0°-90°	768.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1568	
5°	1568	146
15°	1172	316
25°	459	213
35°	104	72
45°	18	16
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220417

CATALOG NUMBER: 9002-W1-FL-LED2790-F-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1567.9
1°	1562.6
2°	1559.6
3°	1563.4
4°	1567.9
5°	1567.9
6°	1561.8
7°	1543.7
8°	1514.1
9°	1477.8
10°	1439.1
11°	1396.0
12°	1349.0
13°	1296.0
14°	1236.9
15°	1171.8
16°	1099.8
17°	1025.6
18°	947.6
19°	870.3
20°	793.8
21°	719.6
22°	648.4
23°	581.0
24°	518.1
25°	459.0
26°	404.5
27°	355.2
28°	309.0
29°	268.1
30°	231.8
32.5°	156.8
35°	104.5
37.5°	69.7
40°	45.4
42.5°	28.0
45°	18.2
47.5°	12.1
50°	8.3
52.5°	6.1
55°	3.8
57.5°	3.0
60°	2.3
62.5°	2.3
65°	1.5



TEST NUMBER: P220417

CATALOG NUMBER: 9002-W1-FL-LED2790-F-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
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
90°	0.0

(END OF REPORT)