

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: P220385

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220385
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-LED2790-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

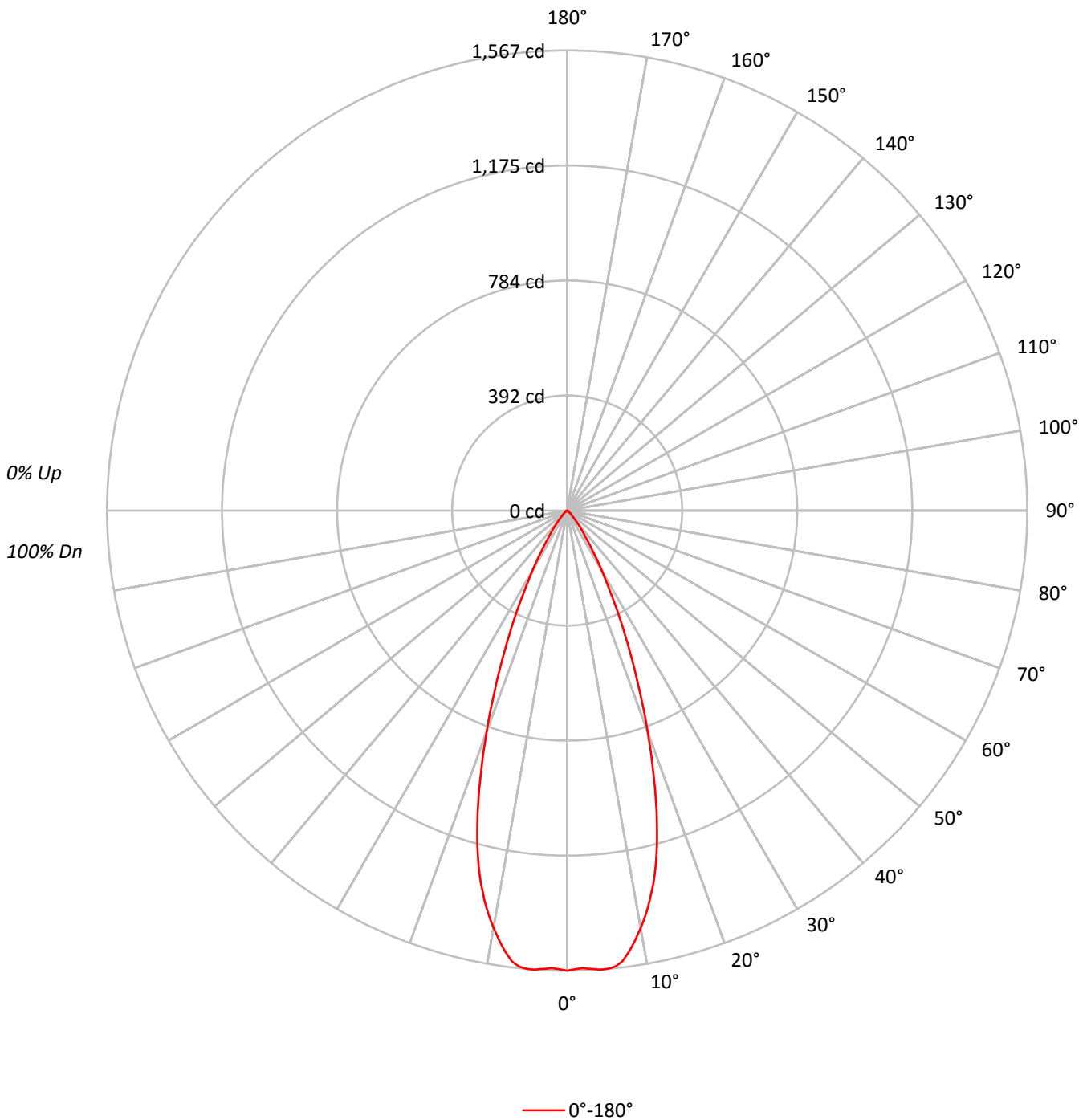
Lumens per Lamp: N/A
Luminaire Lumens: 783.7 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P220385
CATALOG NUMBER: 9002-W1-FL-LED2790-F-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220385

CATALOG NUMBER: 9002-W1-FL-LED2790-F-WT-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	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°	773175
5°	776128
10°	722880
15°	603185
20°	420770
25°	253193
30°	133767
35°	64326
40°	30722
45°	14304
50°	8136
55°	5247
60°	4440
65°	4436
70°	4328
75°	4384
80°	4262
85°	4529



TEST NUMBER: P220385

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	18.6
10°-20°	318.6	40.7
20°-30°	215.5	27.5
30°-40°	73.0	9.3
40°-50°	17.9	2.3
50°-60°	5.9	0.8
60°-70°	3.9	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°	680.0	86.8
0°-40°	753.0	96.1
0°-60°	776.8	99.1
0°-90°	783.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1567	
5°	1567	146
15°	1181	319
25°	465	216
35°	107	73
45°	20	18
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	

TEST NUMBER: P220385

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	1567.1
1°	1561.8
2°	1559.6
3°	1562.6
4°	1567.1
5°	1567.1
6°	1561.8
7°	1545.9
8°	1516.4
9°	1481.6
10°	1442.9
11°	1402.0
12°	1355.1
13°	1304.3
14°	1246.8
15°	1180.9
16°	1110.4
17°	1034.7
18°	955.9
19°	880.1
20°	801.4
21°	727.9
22°	655.9
23°	587.8
24°	524.2
25°	465.1
26°	409.8
27°	359.0
28°	312.8
29°	271.9
30°	234.8
32.5°	159.1
35°	106.8
37.5°	72.0
40°	47.7
42.5°	30.3
45°	20.5
47.5°	14.4
50°	10.6
52.5°	7.6
55°	6.1
57.5°	5.3
60°	4.5
62.5°	4.5
65°	3.8



TEST NUMBER: P220385

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

CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.8
70°	3.0
72.5°	3.0
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)