

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: P220986

Luminaire Tested: **9004-W1-FL-LED3097-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED3097-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 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: 1511.8 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

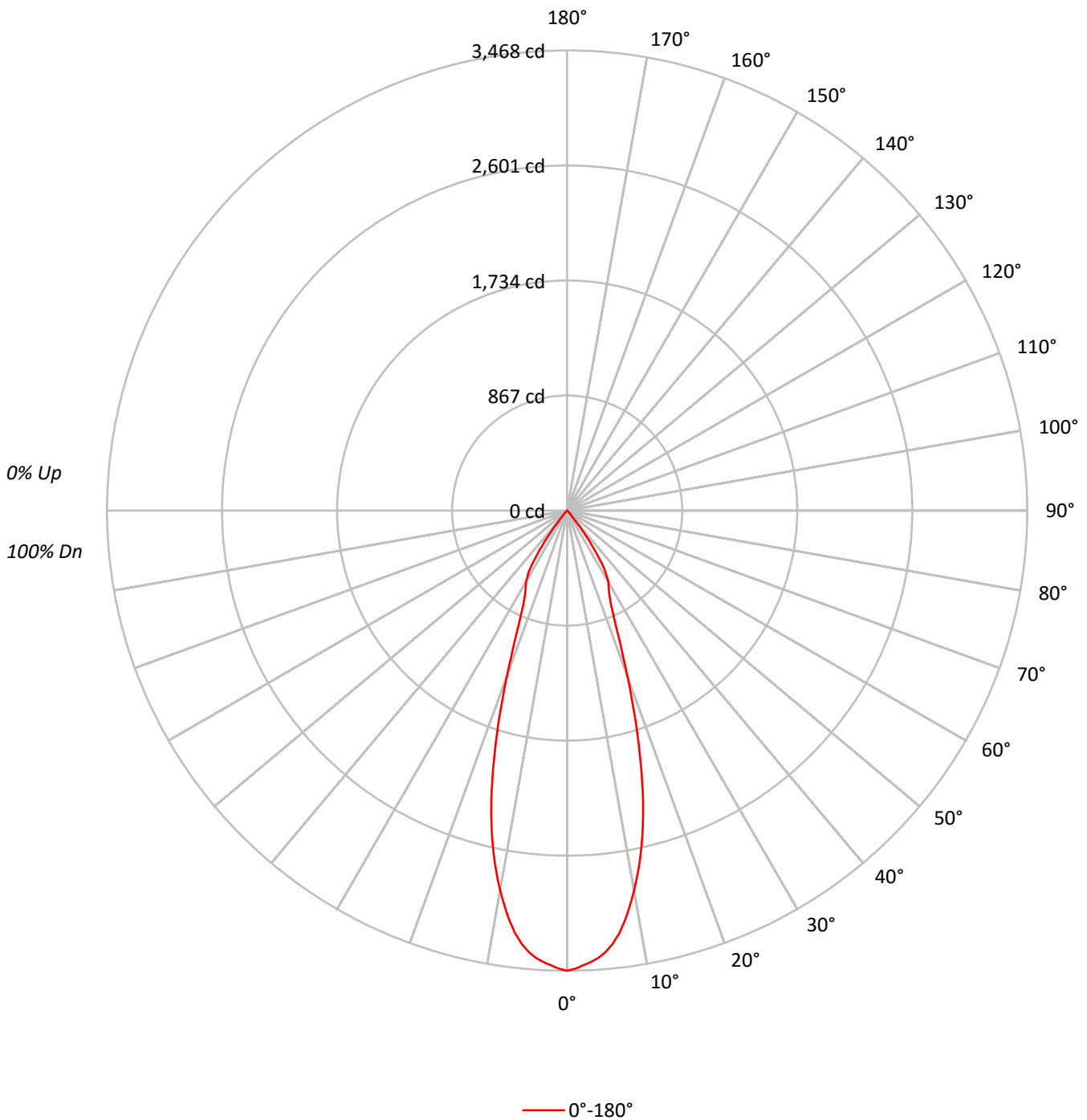
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220986

CATALOG NUMBER: 9004-W1-FL-LED3097-F-WT-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220986

CATALOG NUMBER: 9004-W1-FL-LED3097-F-WT-L2-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	106	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	74	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	74	70	66	74	69	66		73	69	66		72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63		70	66	63		69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	427738
5°	413313
10°	364185
15°	281214
20°	174565
25°	106482
30°	88305
35°	53892
40°	9130
45°	3332
50°	729
55°	344
60°	271
65°	321
70°	180
75°	238
80°	0
85°	0



TEST NUMBER: P220986

CATALOG NUMBER: 9004-W1-FL-LED3097-F-WT-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.9	20.2
10°-20°	589.7	39.0
20°-30°	384.0	25.4
30°-40°	213.3	14.1
40°-50°	16.7	1.1
50°-60°	1.7	0.1
60°-70°	1.0	0.1
70°-80°	0.5	0.0
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°	1278.6	84.6
0°-40°	1491.9	98.7
0°-60°	1510.3	99.9
0°-90°	1511.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3468	
5°	3338	305
15°	2202	590
25°	782	384
35°	358	213
45°	19	17
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220986

CATALOG NUMBER: 9004-W1-FL-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	3467.8
1°	3452.5
2°	3430.2
3°	3406.7
4°	3379.0
5°	3338.1
6°	3283.1
7°	3210.6
8°	3120.7
9°	3017.7
10°	2907.7
11°	2787.8
12°	2657.6
13°	2518.2
14°	2364.5
15°	2202.2
16°	2025.6
17°	1841.5
18°	1667.1
19°	1491.7
20°	1329.9
21°	1177.4
22°	1045.0
23°	934.4
24°	848.3
25°	782.4
26°	734.4
27°	696.3
28°	666.3
29°	642.3
30°	620.0
32.5°	525.7
35°	357.9
37.5°	183.6
40°	56.7
42.5°	27.2
45°	19.1
47.5°	12.0
50°	3.8
52.5°	2.2
55°	1.6
57.5°	1.6
60°	1.1
62.5°	1.1
65°	1.1



TEST NUMBER: P220986

CATALOG NUMBER: 9004-W1-FL-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)