

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: P220396

Luminaire Tested: **9002-W1-FL-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1054.1 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

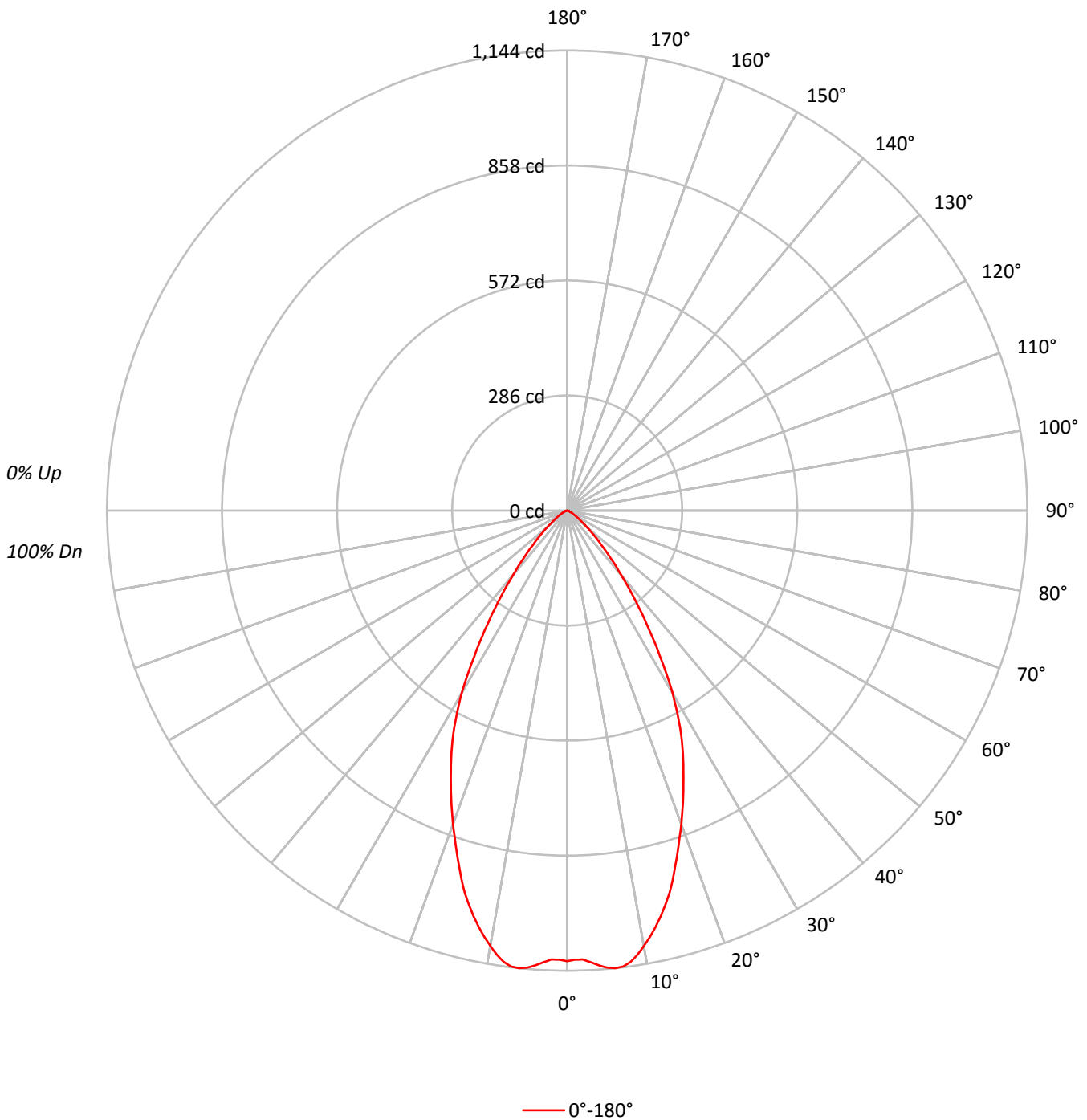
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220396

CATALOG NUMBER: 9002-W1-FL-LED5080-W-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220396

CATALOG NUMBER: 9002-W1-FL-LED5080-W-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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	101	95	89	85	99	93	88	84	91	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	61		69	64	60		67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	57		65	60	56		64	59	56	55
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60	56	53	51
10	70	60	54	50	69	59	54	50	59	53	50		58	53	50		57	53	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	552634
5°	565047
10°	550789
15°	502458
20°	435629
25°	371433
30°	298526
35°	207795
40°	134995
45°	83032
50°	50275
55°	30020
60°	18354
65°	12725
70°	7934
75°	6291
80°	6251
85°	6227



TEST NUMBER: P220396

CATALOG NUMBER: 9002-W1-FL-LED5080-W-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	10.2
10°-20°	272.3	25.8
20°-30°	310.8	29.5
30°-40°	218.0	20.7
40°-50°	96.1	9.1
50°-60°	33.3	3.2
60°-70°	11.0	1.0
70°-80°	3.9	0.4
80°-90°	0.9	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°	690.8	65.5
0°-40°	908.8	86.2
0°-60°	1038.2	98.5
0°-90°	1054.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1120	
5°	1141	108
15°	984	272
25°	682	311
35°	345	218
45°	119	96
55°	35	33
65°	11	11
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P220396

CATALOG NUMBER: 9002-W1-FL-LED5080-W-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1120.1
1°	1116.8
2°	1116.8
3°	1124.5
4°	1133.2
5°	1140.9
6°	1144.1
7°	1142.0
8°	1133.2
9°	1117.9
10°	1099.4
11°	1079.7
12°	1057.9
13°	1035.0
14°	1009.9
15°	983.7
16°	953.1
17°	921.4
18°	889.8
19°	859.2
20°	829.7
21°	799.1
22°	769.7
23°	740.2
24°	710.7
25°	682.3
26°	653.9
27°	624.5
28°	591.7
29°	557.9
30°	524.0
32.5°	430.1
35°	345.0
37.5°	270.8
40°	209.6
42.5°	159.4
45°	119.0
47.5°	88.4
50°	65.5
52.5°	48.0
55°	34.9
57.5°	25.1
60°	18.6
62.5°	14.2
65°	10.9



TEST NUMBER: P220396

CATALOG NUMBER: 9002-W1-FL-LED5080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.6
70°	5.5
72.5°	4.4
75°	3.3
77.5°	3.3
80°	2.2
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)