

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: P29420

Luminaire Tested: **9002-W1-FL-LED4080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 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-LED4080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 965.5 lumens
Efficiency: N/A
Efficacy: 96.5 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

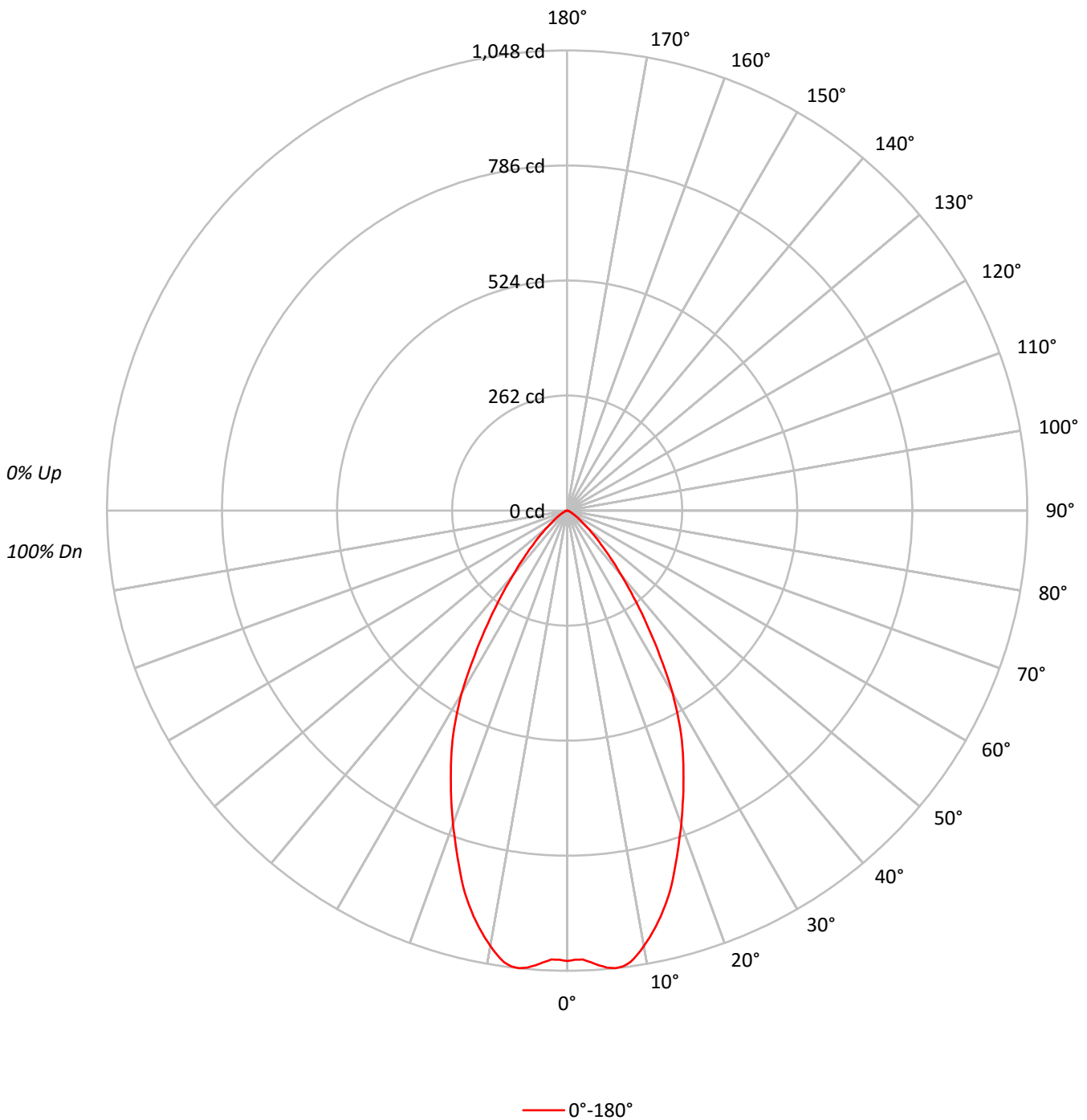
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P29420

CATALOG NUMBER: 9002-W1-FL-LED4080-W-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P29420

CATALOG NUMBER: 9002-W1-FL-LED4080-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°	506207
5°	517551
10°	504498
15°	460216
20°	399033
25°	340240
30°	273459
35°	190328
40°	123660
45°	76054
50°	46054
55°	27526
60°	16775
65°	11674
70°	7213
75°	5719
80°	5683
85°	5661



TEST NUMBER: P29420

CATALOG NUMBER: 9002-W1-FL-LED4080-W-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	10.2
10°-20°	249.4	25.8
20°-30°	284.7	29.5
30°-40°	199.7	20.7
40°-50°	88.1	9.1
50°-60°	30.5	3.2
60°-70°	10.1	1.0
70°-80°	3.6	0.4
80°-90°	0.8	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°	632.8	65.5
0°-40°	832.5	86.2
0°-60°	951.0	98.5
0°-90°	965.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1026	
5°	1045	99
15°	901	249
25°	625	285
35°	316	200
45°	109	88
55°	32	30
65°	10	10
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P29420

CATALOG NUMBER: 9002-W1-FL-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1026
1°	1023
2°	1023
3°	1030
4°	1038
5°	1045
6°	1048
7°	1046
8°	1038
9°	1024
10°	1007
11°	989
12°	969
13°	948
14°	925
15°	901
16°	873
17°	844
18°	815
19°	787
20°	760
21°	732
22°	705
23°	678
24°	651
25°	625
26°	599
27°	572
28°	542
29°	511
30°	480
32.5°	394
35°	316
37.5°	248
40°	192
42.5°	146
45°	109
47.5°	81
50°	60
52.5°	44
55°	32
57.5°	23
60°	17
62.5°	13
65°	10



TEST NUMBER: P29420

CATALOG NUMBER: 9002-W1-FL-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	7
70°	5
72.5°	4
75°	3
77.5°	3
80°	2
82.5°	1
85°	1
87.5°	0
90°	0

(END OF REPORT)