

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: P29417

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29417
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-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 475.6 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

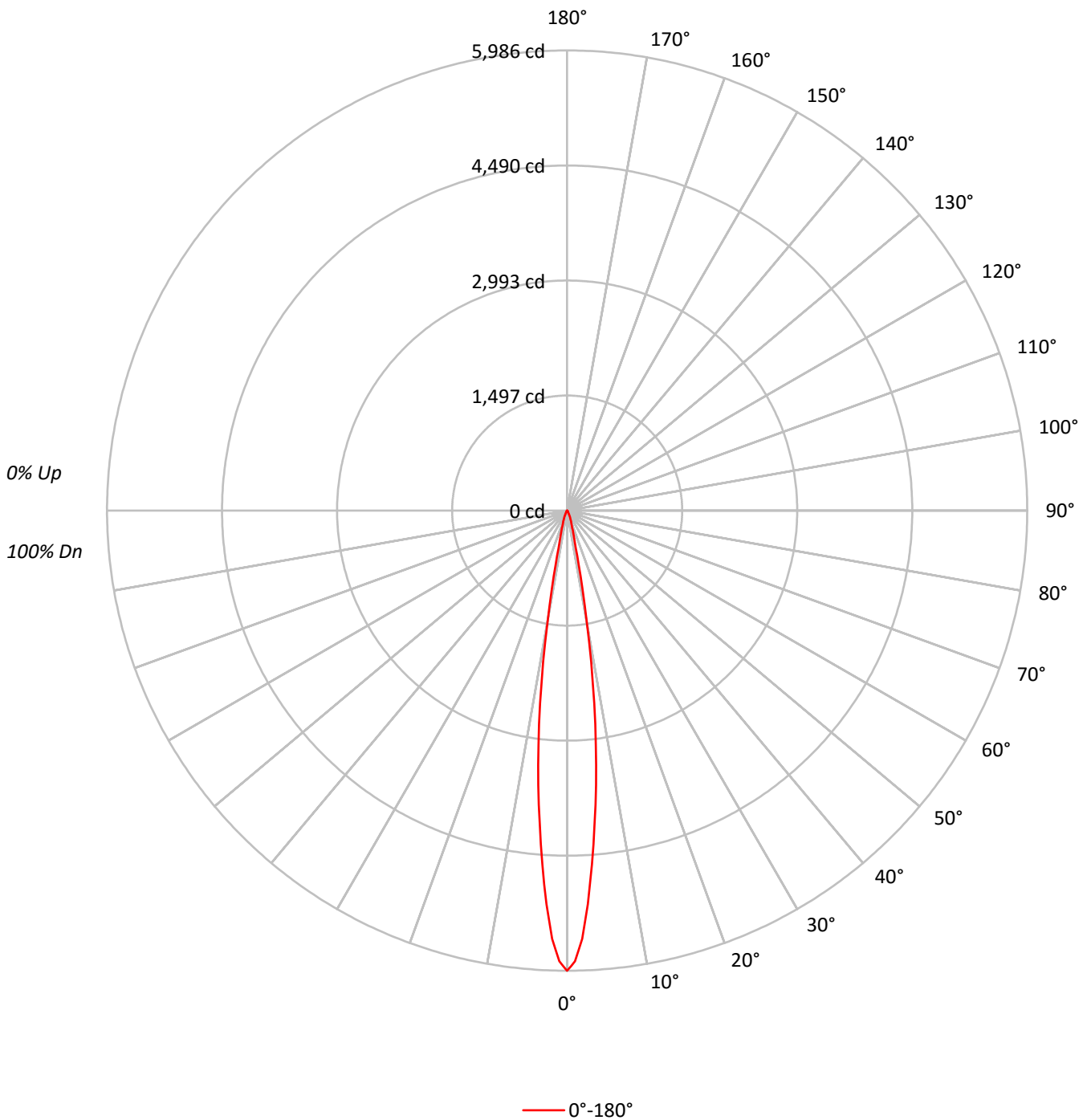
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	97	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	95	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	94	94	93	94
4	107	103	99	97	106	102	98	96	100	97	95	98	96	94	96	94	93	92	92	91	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	90	89	90
6	103	98	94	92	102	97	94	92	96	93	91	95	92	90	94	92	90	89	89	88	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88	88	87	88
8	99	94	91	88	98	94	90	88	93	90	88	92	89	88	91	89	87	87	87	86	87
9	98	92	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85	85	84	85
10	96	91	88	86	95	91	88	86	90	87	85	89	87	85	89	87	85	84	84	83	84

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2953370
5°	2029593
10°	739963
15°	152214
20°	73506
25°	36474
30°	13673
35°	7228
40°	5797
45°	4186
50°	3838
55°	3441
60°	3947
65°	4670
70°	4328
75°	3813
80°	2841
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.6	64.7
10°-20°	112.7	23.7
20°-30°	32.2	6.8
30°-40°	8.4	1.8
40°-50°	5.0	1.1
50°-60°	3.9	0.8
60°-70°	3.6	0.8
70°-80°	2.1	0.4
80°-90°	0.1	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°	452.4	95.1
0°-40°	460.8	96.9
0°-60°	469.7	98.8
0°-90°	475.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5986	
5°	4098	308
15°	298	113
25°	67	32
35°	12	8
45°	6	5
55°	4	4
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5986
1°	5864
2°	5574
3°	5129
4°	4614
5°	4098
6°	3588
7°	3070
8°	2530
9°	1989
10°	1477
11°	1036
12°	713
13°	502
14°	375
15°	298
17.5°	194
20°	140
22.5°	103
25°	67
27.5°	40
30°	24
32.5°	16
35°	12
37.5°	10
40°	9
42.5°	7
45°	6
47.5°	6
50°	5
52.5°	5
55°	4
57.5°	4
60°	4
62.5°	4
65°	4
67.5°	3
70°	3
72.5°	3
75°	2
77.5°	1
80°	1
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | ————— 0°
 0

(END OF REPORT)