

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: P29421

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29421
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

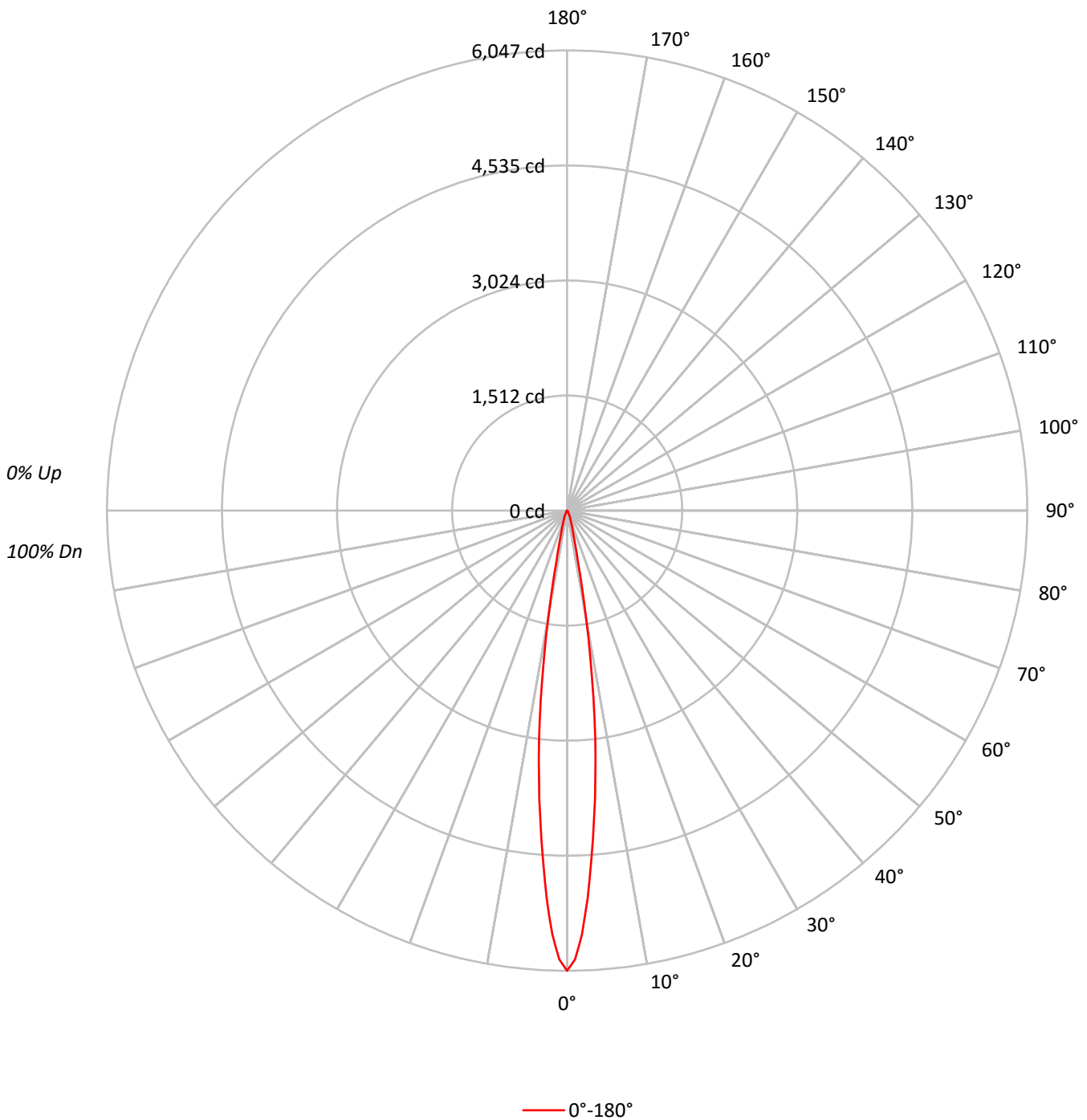
Lumens per Lamp: N/A
Luminaire Lumens: 458.4 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.24
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96	96	96	96
3	110	106	103	101	108	105	102	100	103	101	99	100	99	97	98	97	96	95	95	95	95
4	108	103	100	98	106	102	100	97	101	98	96	99	97	95	97	96	94	93	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	93	92	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	90	90	90	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88	88
9	99	94	91	89	98	93	90	88	93	90	88	92	90	88	91	89	88	87	87	87	87
10	97	92	89	87	97	92	89	87	91	89	87	91	89	87	90	88	87	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2983466
5°	2012754
10°	716417
15°	149149
20°	71931
25°	34841
30°	11964
35°	6023
40°	4508
45°	2791
50°	2303
55°	1720
60°	1974
65°	1167
70°	1443
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.1	66.3
10°-20°	109.0	23.8
20°-30°	30.7	6.7
30°-40°	7.1	1.5
40°-50°	3.6	0.8
50°-60°	2.1	0.5
60°-70°	1.4	0.3
70°-80°	0.4	0.1
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°	443.8	96.8
0°-40°	450.9	98.4
0°-60°	456.6	99.6
0°-90°	458.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6047	
5°	4064	304
15°	292	109
25°	64	31
35°	10	7
45°	4	4
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

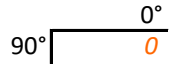
0°	
0°	6047
1°	5898
2°	5576
3°	5108
4°	4584
5°	4064
6°	3551
7°	3031
8°	2488
9°	1940
10°	1430
11°	998
12°	678
13°	481
14°	366
15°	292
17.5°	189
20°	137
22.5°	99
25°	64
27.5°	37
30°	21
32.5°	14
35°	10
37.5°	8
40°	7
42.5°	6
45°	4
47.5°	4
50°	3
52.5°	3
55°	2
57.5°	2
60°	2
62.5°	2
65°	1
67.5°	1
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)