

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: P220412

Luminaire Tested: **9002-W1-FL-LED5080-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29422)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1075.4 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

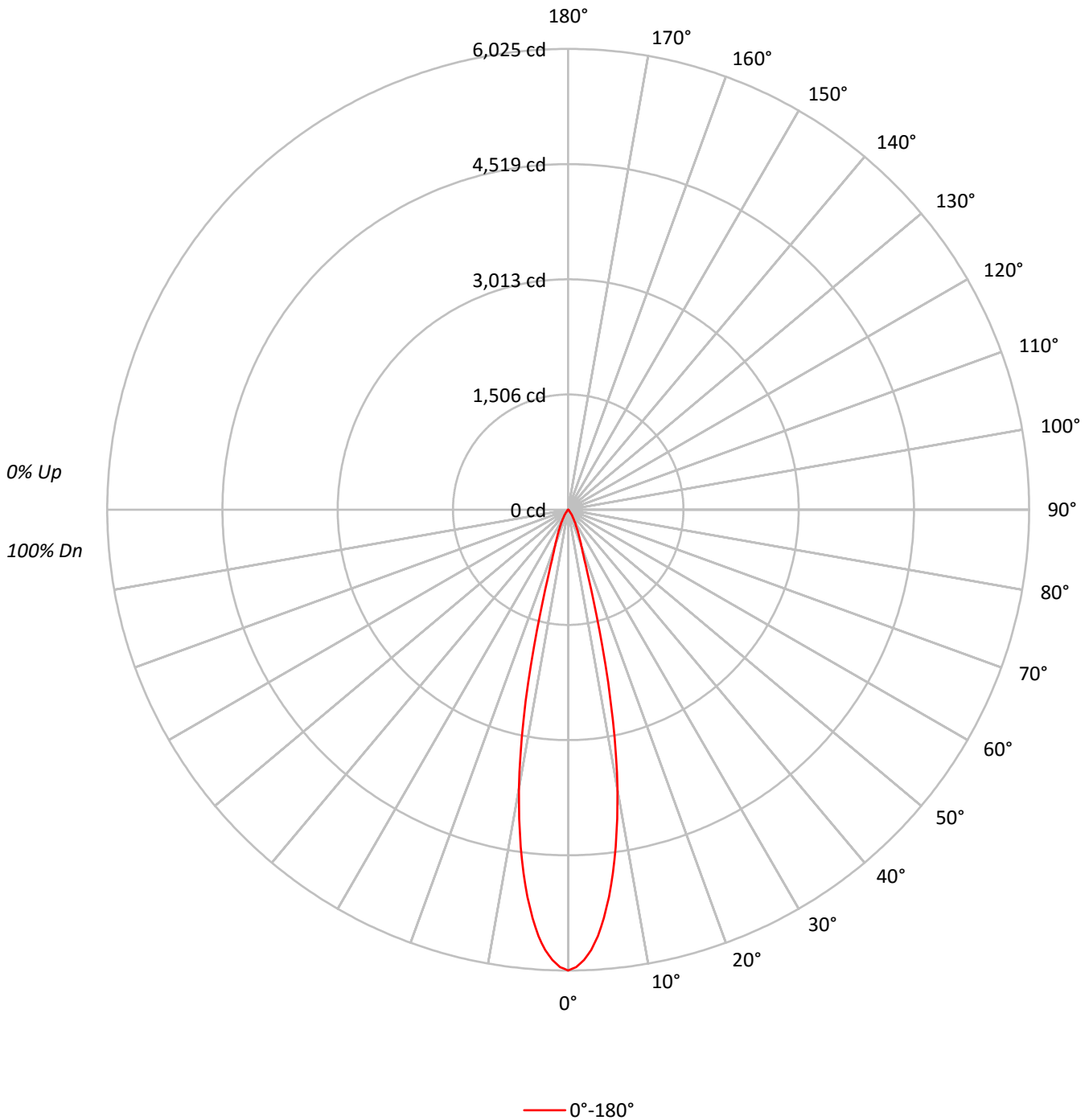
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97
2	112	108	105	103	110	106	104	102	103	101	100	101	99	97	98	97	95	94	94	94	94
3	108	104	100	98	107	103	99	97	100	97	95	98	96	94	96	94	93	91	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89	89	89	89
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	85	89	87	85	84	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2972760
5°	2654269
10°	1854718
15°	726029
20°	261944
25°	146820
30°	82721
35°	43426
40°	15457
45°	8373
50°	5066
55°	2839
60°	2171
65°	1284
70°	1587
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.9	42.6
10°-20°	428.8	39.9
20°-30°	128.6	12.0
30°-40°	45.3	4.2
40°-50°	10.2	0.9
50°-60°	3.2	0.3
60°-70°	1.2	0.1
70°-80°	0.1	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°	1015.3	94.4
0°-40°	1060.6	98.6
0°-60°	1074.0	99.9
0°-90°	1075.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6025	
5°	5359	458
15°	1421	429
25°	270	129
35°	72	45
45°	12	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6025.3
1°	5980.5
2°	5892.1
3°	5762.2
4°	5586.4
5°	5359.3
6°	5089.7
7°	4789.4
8°	4454.3
9°	4089.6
10°	3702.1
11°	3277.4
12°	2810.1
13°	2318.8
14°	1838.5
15°	1421.4
16°	1087.4
17°	846.1
18°	684.5
19°	575.3
20°	498.9
22.5°	365.7
25°	269.7
26°	238.0
27°	210.7
28°	186.7
29°	164.9
30°	145.2
32.5°	104.8
35°	72.1
37.5°	37.1
40°	24.0
42.5°	17.5
45°	12.0
47.5°	8.7
50°	6.6
52.5°	4.4
55°	3.3
57.5°	2.2
60°	2.2
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)