

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: P220380

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1108.2 lumens
Efficiency: N/A
Efficacy: 110.8 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

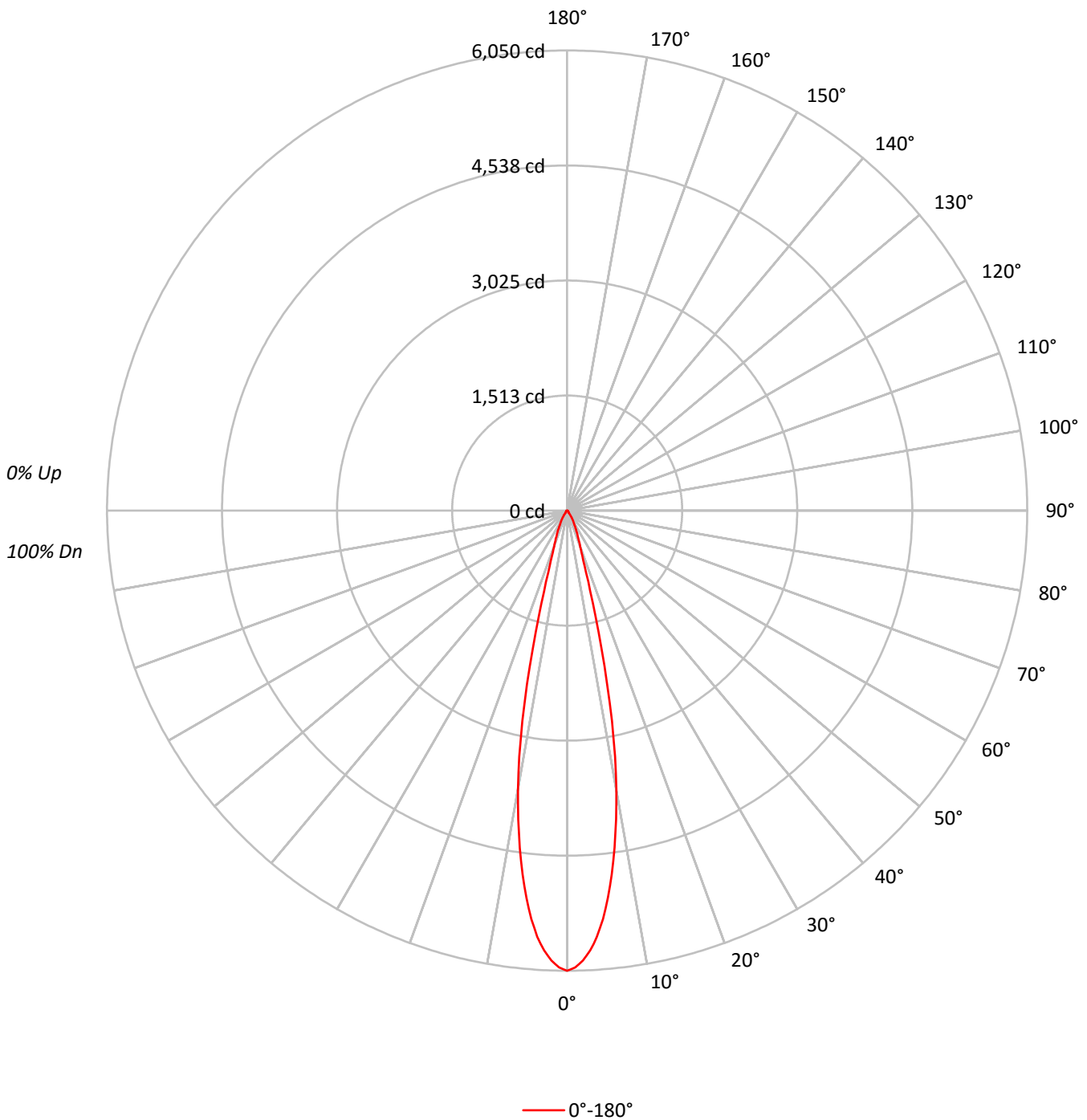
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99		100	98	97		97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90		94	92	89		92	90	88	87
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90	88	86	85
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88	85	83	82
7	96	90	86	83	95	89	85	82	88	85	82		87	84	82		86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78		83	80	78		82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2985144
5°	2669969
10°	1864036
15°	735529
20°	264254
25°	149161
30°	85228
35°	46016
40°	18291
45°	12211
50°	8366
55°	7484
60°	7499
65°	8873
70°	9521
75°	10484
80°	6251
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.4	41.5
10°-20°	432.6	39.0
20°-30°	130.6	11.8
30°-40°	48.3	4.4
40°-50°	14.0	1.3
50°-60°	8.2	0.7
60°-70°	7.4	0.7
70°-80°	5.2	0.5
80°-90°	1.5	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°	1023.7	92.4
0°-40°	1071.9	96.7
0°-60°	1094.1	98.7
0°-90°	1108.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6050	
5°	5391	460
15°	1440	433
25°	274	131
35°	76	48
45°	18	14
55°	9	8
65°	8	7
75°	6	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6050.4
1°	6007.9
2°	5919.4
3°	5791.7
4°	5618.1
5°	5391.0
6°	5120.3
7°	4819.0
8°	4477.2
9°	4111.5
10°	3720.7
11°	3294.9
12°	2829.8
13°	2342.9
14°	1864.7
15°	1440.0
16°	1100.5
17°	852.7
18°	688.9
19°	579.7
20°	503.3
22.5°	370.1
25°	274.0
26°	242.4
27°	215.1
28°	191.1
29°	169.2
30°	149.6
32.5°	109.2
35°	76.4
37.5°	42.6
40°	28.4
42.5°	21.8
45°	17.5
47.5°	14.2
50°	10.9
52.5°	9.8
55°	8.7
57.5°	8.7
60°	7.6
62.5°	7.6
65°	7.6
67.5°	7.6
70°	6.6
72.5°	5.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	5.5
77.5°	4.4
80°	2.2
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)