

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: P220372

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-LED5080-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 519.3 lumens
Efficiency: N/A
Efficacy: 51.9 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

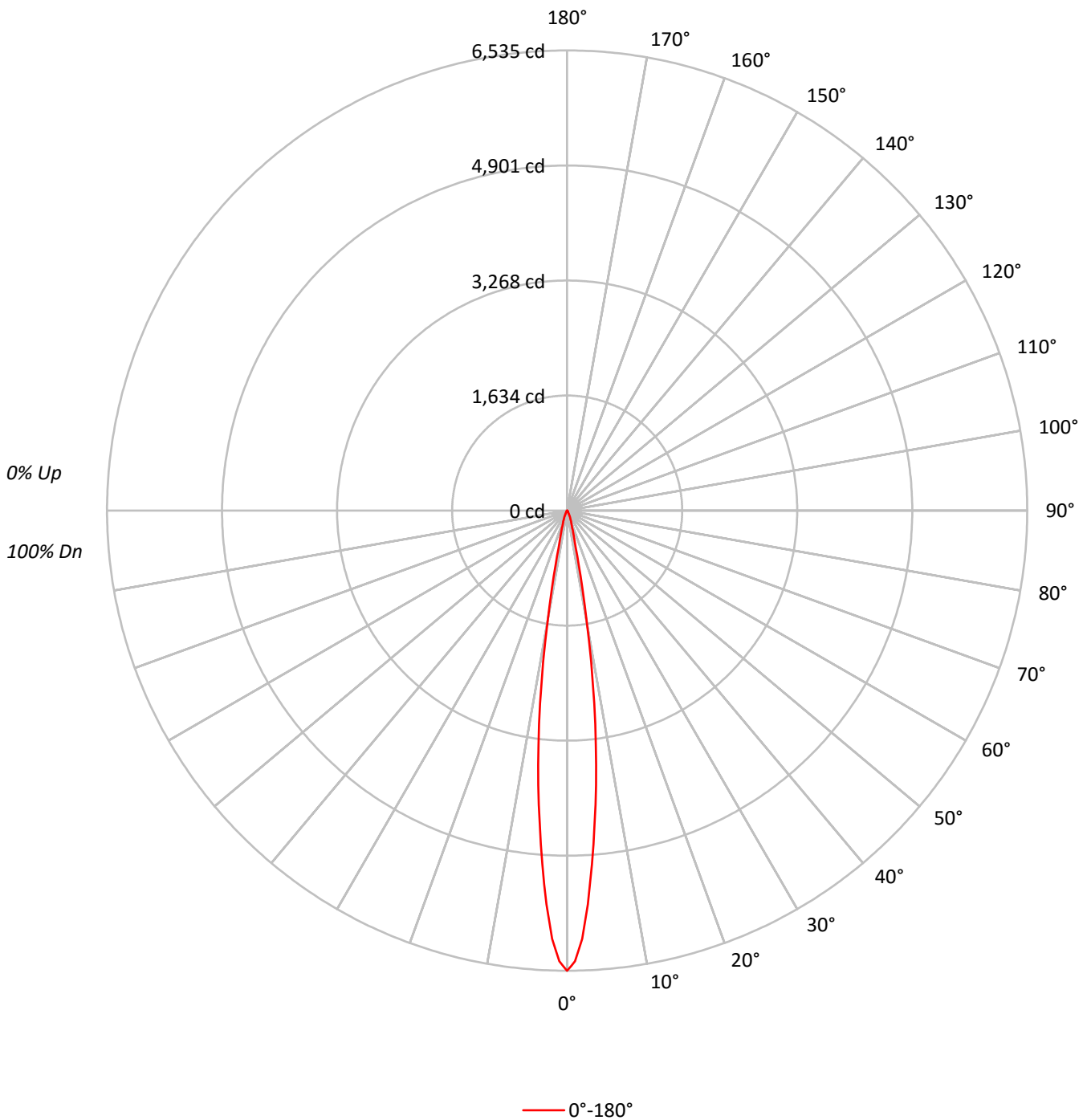
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	94
4	107	103	99	97	106	102	98	96	100	97	95	98	96	94	96	94	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90
6	103	98	94	92	102	97	94	92	96	93	91	95	92	90	94	91	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88
8	99	94	91	88	98	93	90	88	93	90	88	92	89	88	91	89	87	87
9	98	92	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85
10	96	91	88	86	95	91	88	86	90	87	85	89	87	85	89	87	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3224334
5°	2215812
10°	807848
15°	166158
20°	80227
25°	39794
30°	14926
35°	7890
40°	6312
45°	4605
50°	4222
55°	3785
60°	4342
65°	5137
70°	4760
75°	4194
80°	3125
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.8	64.7
10°-20°	123.0	23.7
20°-30°	35.1	6.8
30°-40°	9.2	1.8
40°-50°	5.5	1.1
50°-60°	4.3	0.8
60°-70°	3.9	0.8
70°-80°	2.3	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°	493.9	95.1
0°-40°	503.1	96.9
0°-60°	512.9	98.8
0°-90°	519.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	519.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6535	
5°	4474	336
15°	325	123
25°	73	35
35°	13	9
45°	7	5
55°	4	4
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6535.2
1°	6402.0
2°	6085.4
3°	5599.6
4°	5037.3
5°	4474.0
6°	3917.2
7°	3351.7
8°	2762.1
9°	2171.5
10°	1612.5
11°	1131.0
12°	778.4
13°	548.1
14°	409.4
15°	325.3
17.5°	211.8
20°	152.8
22.5°	112.4
25°	73.1
27.5°	43.7
30°	26.2
32.5°	17.5
35°	13.1
37.5°	10.9
40°	9.8
42.5°	7.6
45°	6.6
47.5°	6.6
50°	5.5
52.5°	5.5
55°	4.4
57.5°	4.4
60°	4.4
62.5°	4.4
65°	4.4
67.5°	3.3
70°	3.3
72.5°	3.3
75°	2.2
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)