

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: P220692

Luminaire Tested: **9003-W1-FL-LED2790-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W1-FL-LED2790-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 666.7 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

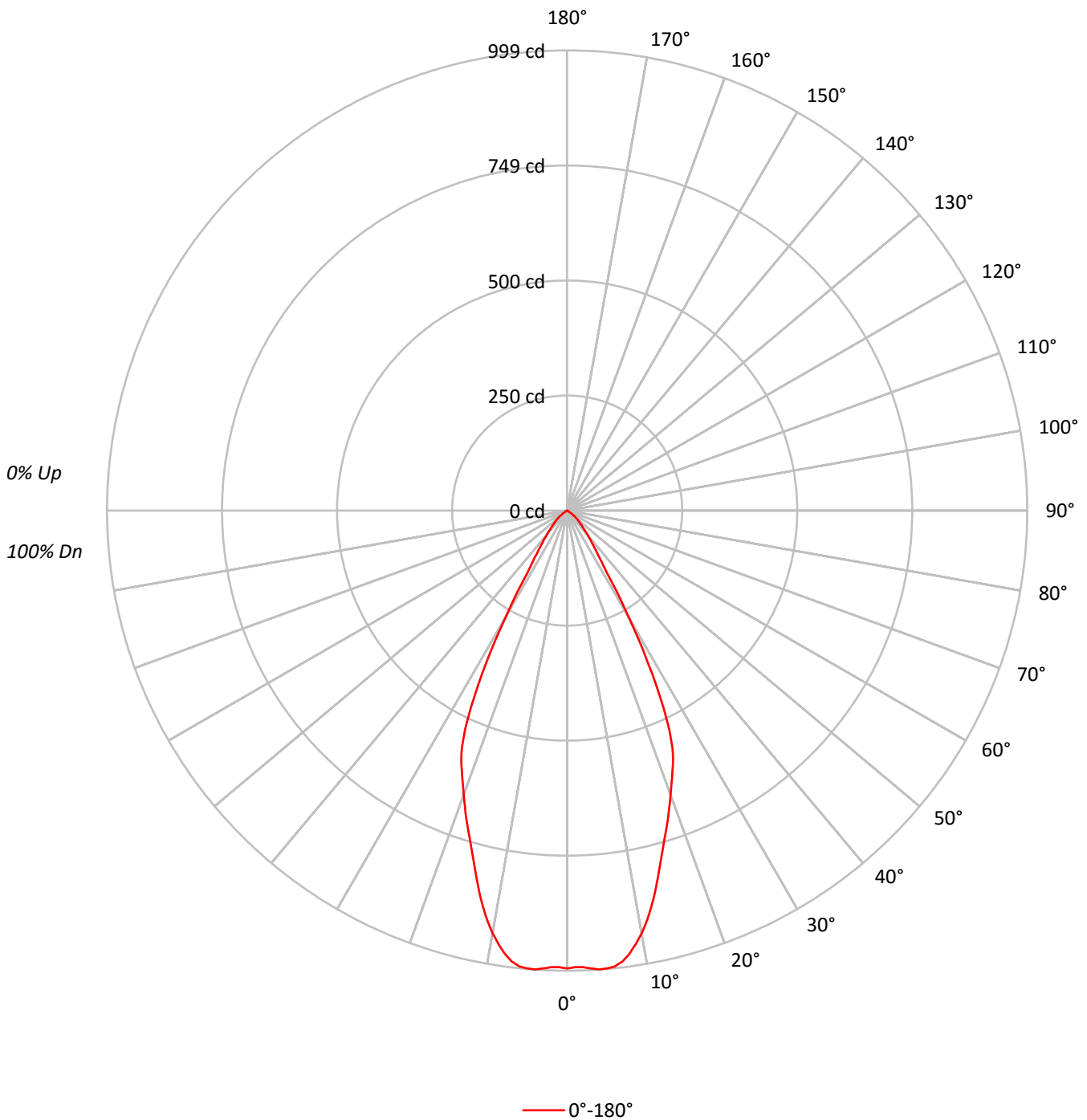
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81		87	83	80		85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71		78	74	71		77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67		74	70	67		73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64		71	66	63		70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60		68	63	60		67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57		64	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217987
5°	219634
10°	207522
15°	178503
20°	153220
25°	126806
30°	67656
35°	30785
40°	19665
45°	12932
50°	9074
55°	4549
60°	1096
65°	1038
70°	1026
75°	678
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	14.0
10°-20°	219.9	33.0
20°-30°	224.7	33.7
30°-40°	81.4	12.2
40°-50°	33.5	5.0
50°-60°	10.8	1.6
60°-70°	1.9	0.3
70°-80°	0.9	0.1
80°-90°	0.3	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°	537.9	80.7
0°-40°	619.3	92.9
0°-60°	663.6	99.5
0°-90°	666.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	666.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	994	
5°	998	93
15°	786	220
25°	524	225
35°	115	81
45°	42	34
55°	12	11
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	994.1
1°	991.3
2°	991.7
3°	995.4
4°	998.6
5°	997.8
6°	995.0
7°	986.0
8°	971.6
9°	952.8
10°	932.0
11°	907.0
12°	879.6
13°	848.9
14°	817.0
15°	786.3
16°	756.9
17°	731.1
18°	707.4
19°	681.2
20°	656.6
21°	633.3
22°	610.4
23°	588.3
24°	562.1
25°	524.1
26°	477.4
27°	426.7
28°	373.1
29°	319.1
30°	267.2
32.5°	160.4
35°	115.0
37.5°	88.8
40°	68.7
42.5°	52.4
45°	41.7
47.5°	33.5
50°	26.6
52.5°	19.6
55°	11.9
57.5°	3.3
60°	2.5
62.5°	2.0
65°	2.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.2
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)