

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: P220395

Luminaire Tested: **9002-W1-FL-LED3590-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED3590-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 838.7 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

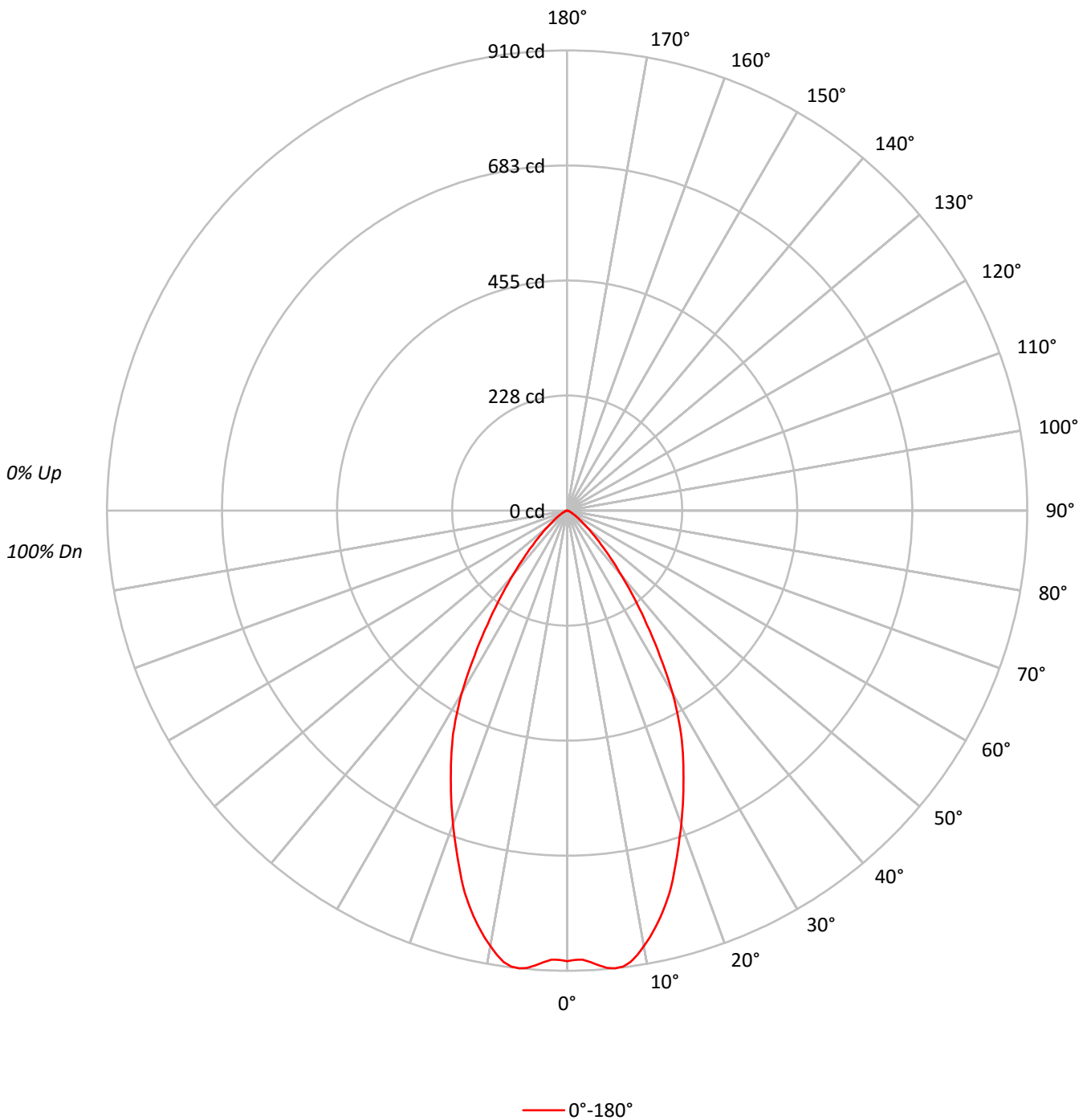
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	61	69	64	60	67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	50	57	53	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	439700
5°	449551
10°	438217
15°	399791
20°	346634
25°	295546
30°	237567
35°	165333
40°	107429
45°	66076
50°	39990
55°	23913
60°	14604
65°	10157
70°	6203
75°	4956
80°	4830
85°	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	10.2
10°-20°	216.7	25.8
20°-30°	247.3	29.5
30°-40°	173.4	20.7
40°-50°	76.5	9.1
50°-60°	26.5	3.2
60°-70°	8.8	1.0
70°-80°	3.1	0.4
80°-90°	0.7	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°	549.7	65.5
0°-40°	723.1	86.2
0°-60°	826.1	98.5
0°-90°	838.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	891	
5°	908	86
15°	783	217
25°	543	247
35°	274	173
45°	95	76
55°	28	26
65°	9	9
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	891.2
1°	888.6
2°	888.6
3°	894.7
4°	901.7
5°	907.7
6°	910.3
7°	908.6
8°	901.7
9°	889.5
10°	874.7
11°	859.1
12°	841.7
13°	823.5
14°	803.5
15°	782.7
16°	758.3
17°	733.1
18°	708.0
19°	683.6
20°	660.2
21°	635.9
22°	612.4
23°	588.9
24°	565.5
25°	542.9
26°	520.3
27°	496.9
28°	470.8
29°	443.9
30°	417.0
32.5°	342.2
35°	274.5
37.5°	215.4
40°	166.8
42.5°	126.8
45°	94.7
47.5°	70.4
50°	52.1
52.5°	38.2
55°	27.8
57.5°	20.0
60°	14.8
62.5°	11.3
65°	8.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.1
70°	4.3
72.5°	3.5
75°	2.6
77.5°	2.6
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)