

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: P220335

Luminaire Tested: **9002-W1-[RW, RI]-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED3597-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 786.5 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

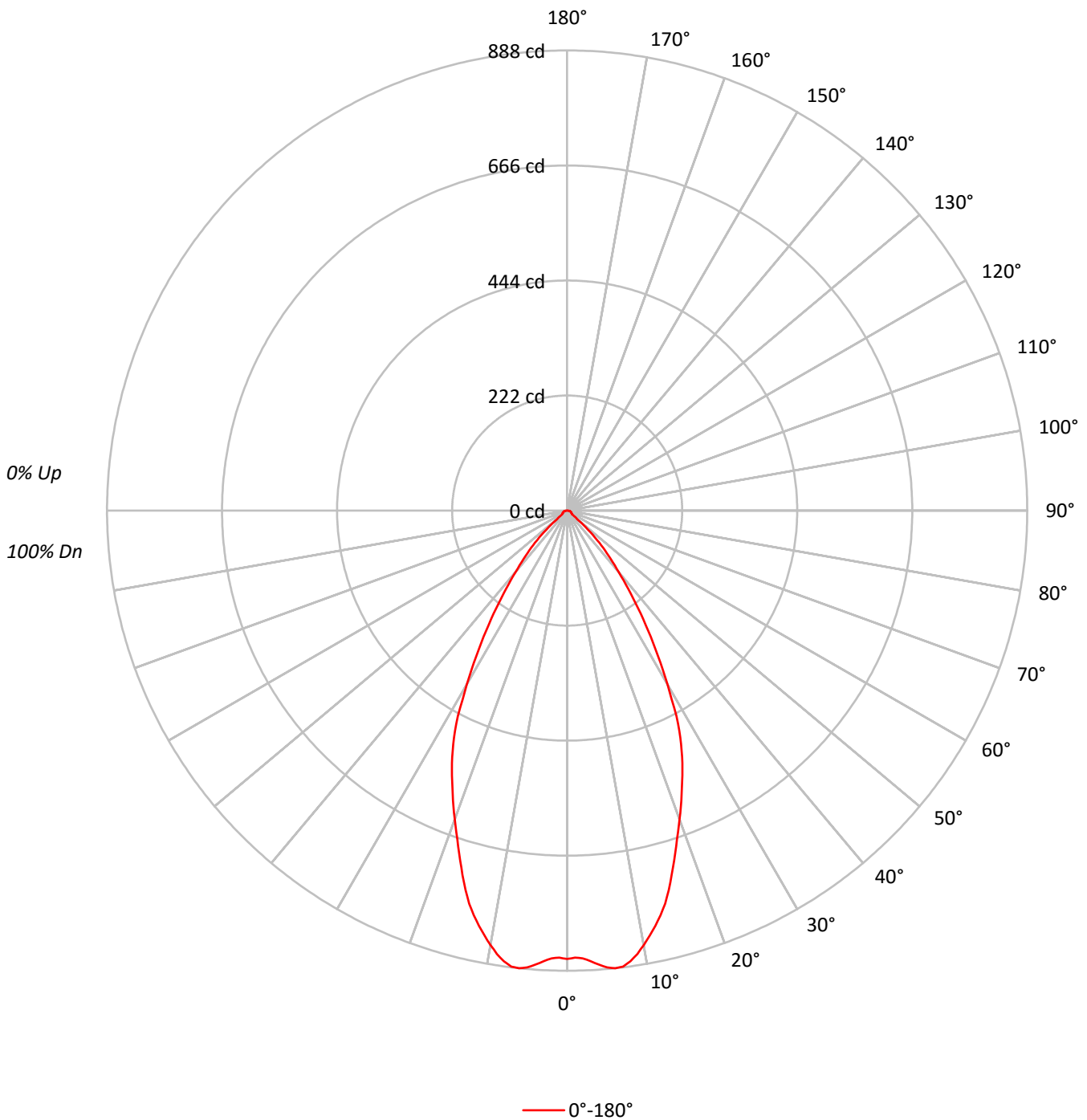
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	74	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	61	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	426921
5°	438210
10°	426594
15°	387225
20°	332773
25°	285747
30°	220362
35°	153648
40°	99443
45°	61262
50°	19343
55°	9806
60°	9670
65°	10390
70°	10531
75°	12391
80°	11649
85°	13586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	10.6
10°-20°	209.6	26.6
20°-30°	237.1	30.1
30°-40°	161.0	20.5
40°-50°	66.5	8.5
50°-60°	11.5	1.5
60°-70°	8.5	1.1
70°-80°	6.4	0.8
80°-90°	2.3	0.3
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°	530.2	67.4
0°-40°	691.2	87.9
0°-60°	769.2	97.8
0°-90°	786.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	865	
5°	885	84
15°	758	210
25°	525	237
35°	255	161
45°	88	67
55°	11	12
65°	9	9
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	865.3
1°	862.9
2°	864.5
3°	871.0
4°	878.3
5°	884.8
6°	888.1
7°	886.5
8°	878.3
9°	866.2
10°	851.5
11°	835.3
12°	819.0
13°	801.2
14°	781.7
15°	758.1
16°	732.1
17°	706.1
18°	680.9
19°	656.5
20°	633.8
21°	612.6
22°	589.9
23°	568.0
24°	546.8
25°	524.9
26°	502.1
27°	477.0
28°	449.3
29°	416.0
30°	386.8
32.5°	316.9
35°	255.1
37.5°	200.7
40°	154.4
42.5°	118.6
45°	87.8
47.5°	54.4
50°	25.2
52.5°	12.2
55°	11.4
57.5°	10.6
60°	9.8
62.5°	8.9
65°	8.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.1
70°	7.3
72.5°	6.5
75°	6.5
77.5°	5.7
80°	4.1
82.5°	3.3
85°	2.4
87.5°	0.8
90°	0.0

(END OF REPORT)