

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: P221131

Luminaire Tested: **9002-W1-[RW, RI]-LEDCW-W-WT-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29545)
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]-LEDCW-W-WT-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 440.1 lumens
Efficiency: N/A
Efficacy: 31.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

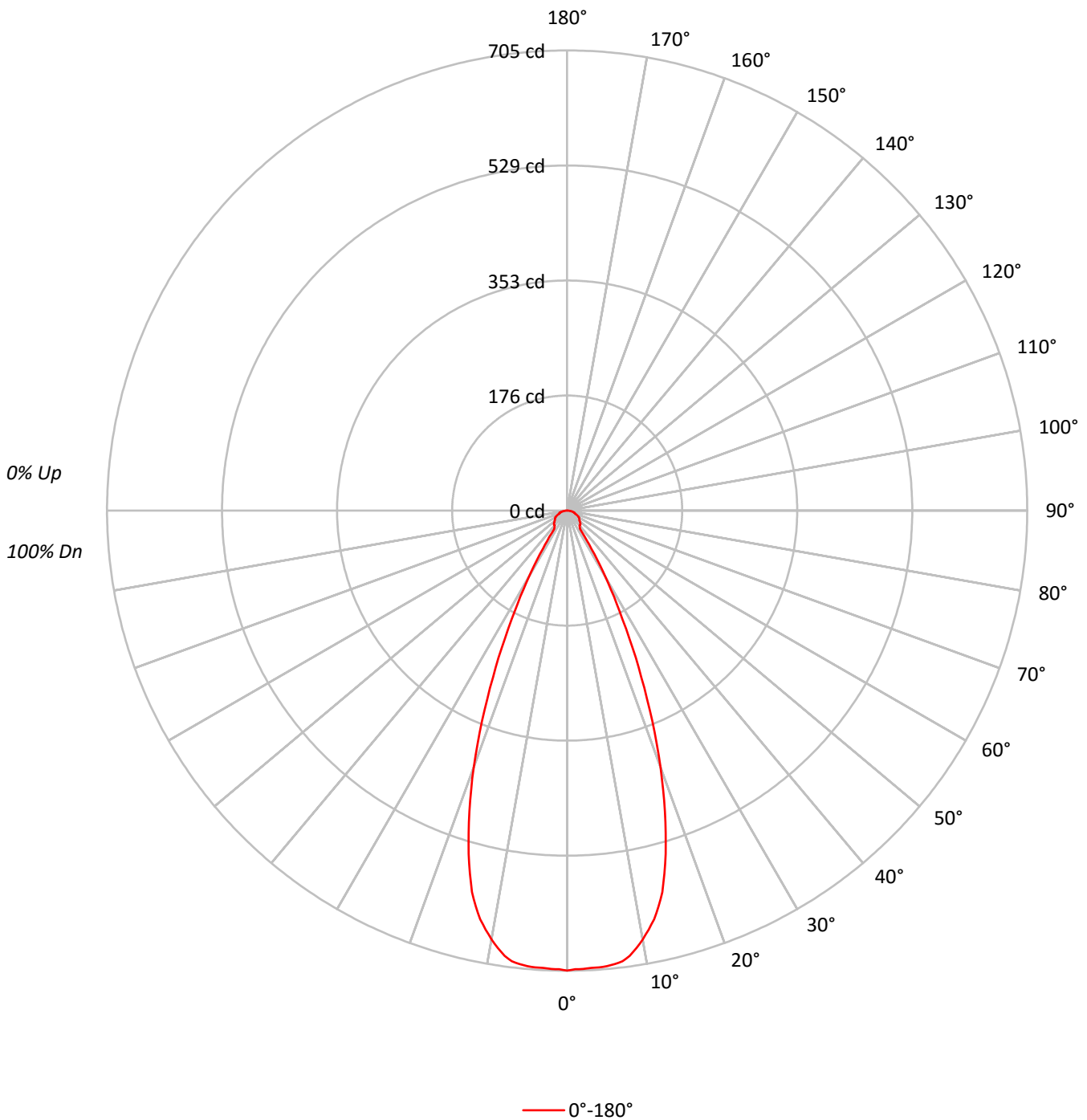
Input Watts (W): 14.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	74
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	347685
5°	347032
10°	334161
15°	294109
20°	219626
25°	135443
30°	67168
35°	20900
40°	19129
45°	20025
50°	19036
55°	19612
60°	20525
65°	19613
70°	18609
75°	20778
80°	19605
85°	16983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	15.0
10°-20°	155.9	35.4
20°-30°	113.4	25.8
30°-40°	31.9	7.2
40°-50°	21.7	4.9
50°-60°	20.4	4.6
60°-70°	16.4	3.7
70°-80°	11.0	2.5
80°-90°	3.4	0.8
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°	335.3	76.2
0°-40°	367.2	83.4
0°-60°	409.4	93.0
0°-90°	440.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	705	
5°	701	66
15°	576	156
25°	249	113
35°	35	32
45°	29	22
55°	23	20
65°	17	16
75°	11	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	704.7
1°	702.7
2°	702.7
3°	701.7
4°	701.7
5°	700.7
6°	698.7
7°	695.8
8°	688.8
9°	678.9
10°	667.0
11°	654.1
12°	640.3
13°	622.4
14°	602.6
15°	575.8
16°	547.1
17°	516.4
18°	484.7
19°	452.0
20°	418.3
21°	382.6
22°	347.9
23°	313.2
24°	279.5
25°	248.8
26°	217.1
27°	187.3
28°	161.6
29°	138.8
30°	117.9
32.5°	69.4
35°	34.7
37.5°	31.7
40°	29.7
42.5°	29.7
45°	28.7
47.5°	26.8
50°	24.8
52.5°	23.8
55°	22.8
57.5°	21.8
60°	20.8
62.5°	18.8
65°	16.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.9
70°	12.9
72.5°	11.9
75°	10.9
77.5°	8.9
80°	6.9
82.5°	5.0
85°	3.0
87.5°	1.0
90°	0.0

(END OF REPORT)