

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: P220397

Luminaire Tested: **9002-W1-FL-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220397
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-LED2797-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.8 lumens
Efficiency: N/A
Efficacy: 69.7 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

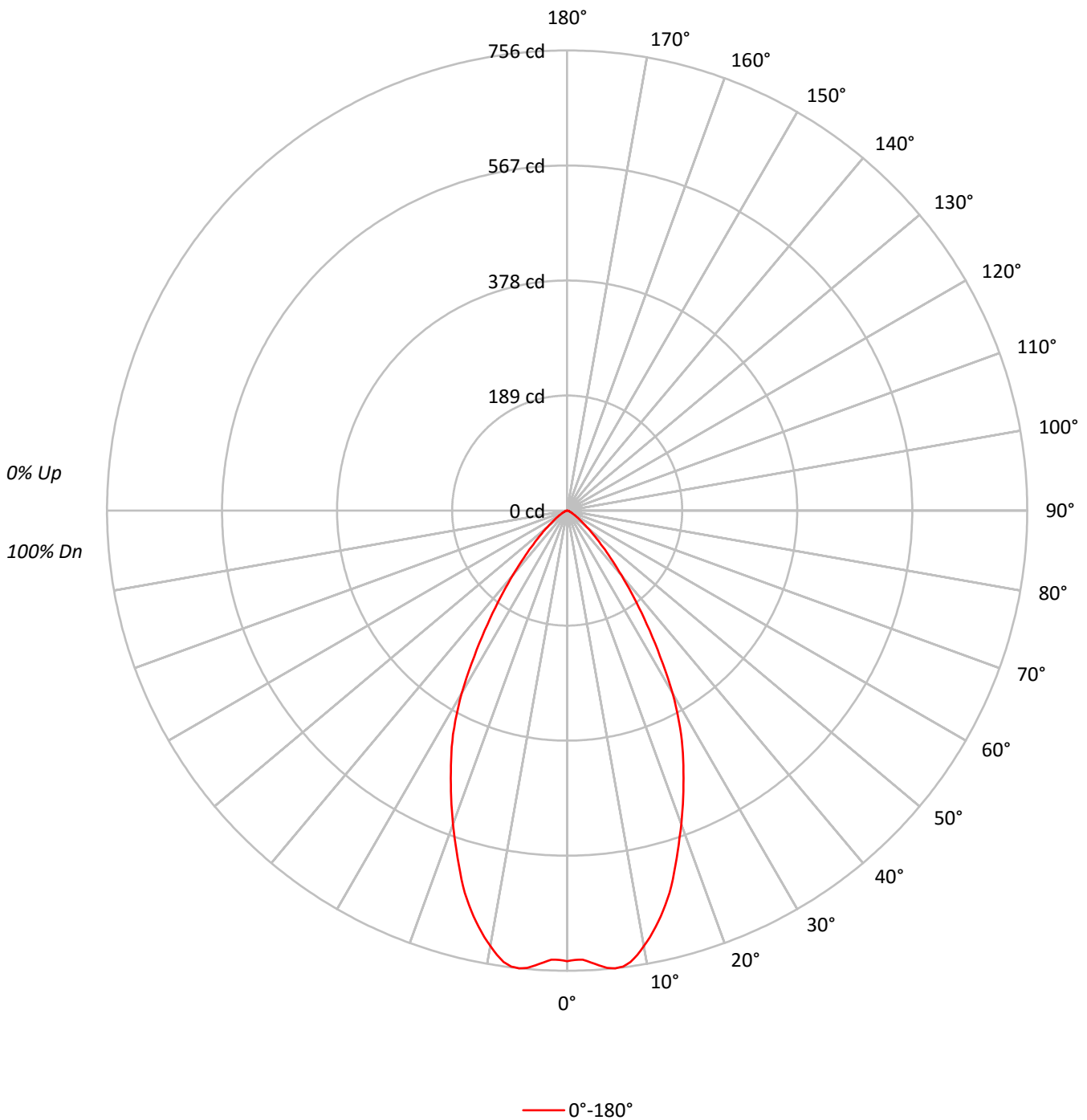
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	365298
5°	373479
10°	364070
15°	332112
20°	287934
25°	245517
30°	197346
35°	137326
40°	89267
45°	54912
50°	33235
55°	19870
60°	12137
65°	8406
70°	5193
75°	4194
80°	3978
85°	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	10.2
10°-20°	180.0	25.8
20°-30°	205.4	29.5
30°-40°	144.1	20.7
40°-50°	63.6	9.1
50°-60°	22.0	3.2
60°-70°	7.3	1.0
70°-80°	2.6	0.4
80°-90°	0.6	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°	456.7	65.5
0°-40°	600.7	86.2
0°-60°	686.3	98.5
0°-90°	696.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	740	
5°	754	71
15°	650	180
25°	451	205
35°	228	144
45°	79	64
55°	23	22
65°	7	7
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	740.4
1°	738.2
2°	738.2
3°	743.3
4°	749.1
5°	754.1
6°	756.3
7°	754.8
8°	749.1
9°	739.0
10°	726.7
11°	713.7
12°	699.3
13°	684.1
14°	667.5
15°	650.2
16°	630.0
17°	609.1
18°	588.1
19°	567.9
20°	548.4
21°	528.2
22°	508.8
23°	489.3
24°	469.8
25°	451.0
26°	432.3
27°	412.8
28°	391.1
29°	368.8
30°	346.4
32.5°	284.3
35°	228.0
37.5°	179.0
40°	138.6
42.5°	105.4
45°	78.7
47.5°	58.5
50°	43.3
52.5°	31.8
55°	23.1
57.5°	16.6
60°	12.3
62.5°	9.4
65°	7.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.1
70°	3.6
72.5°	2.9
75°	2.2
77.5°	2.2
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)