

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: P220333

Luminaire Tested: **9002-W1-[RW, RI]-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220333
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]-LED2797-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED 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: 698.5 lumens
Efficiency: N/A
Efficacy: 69.9 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

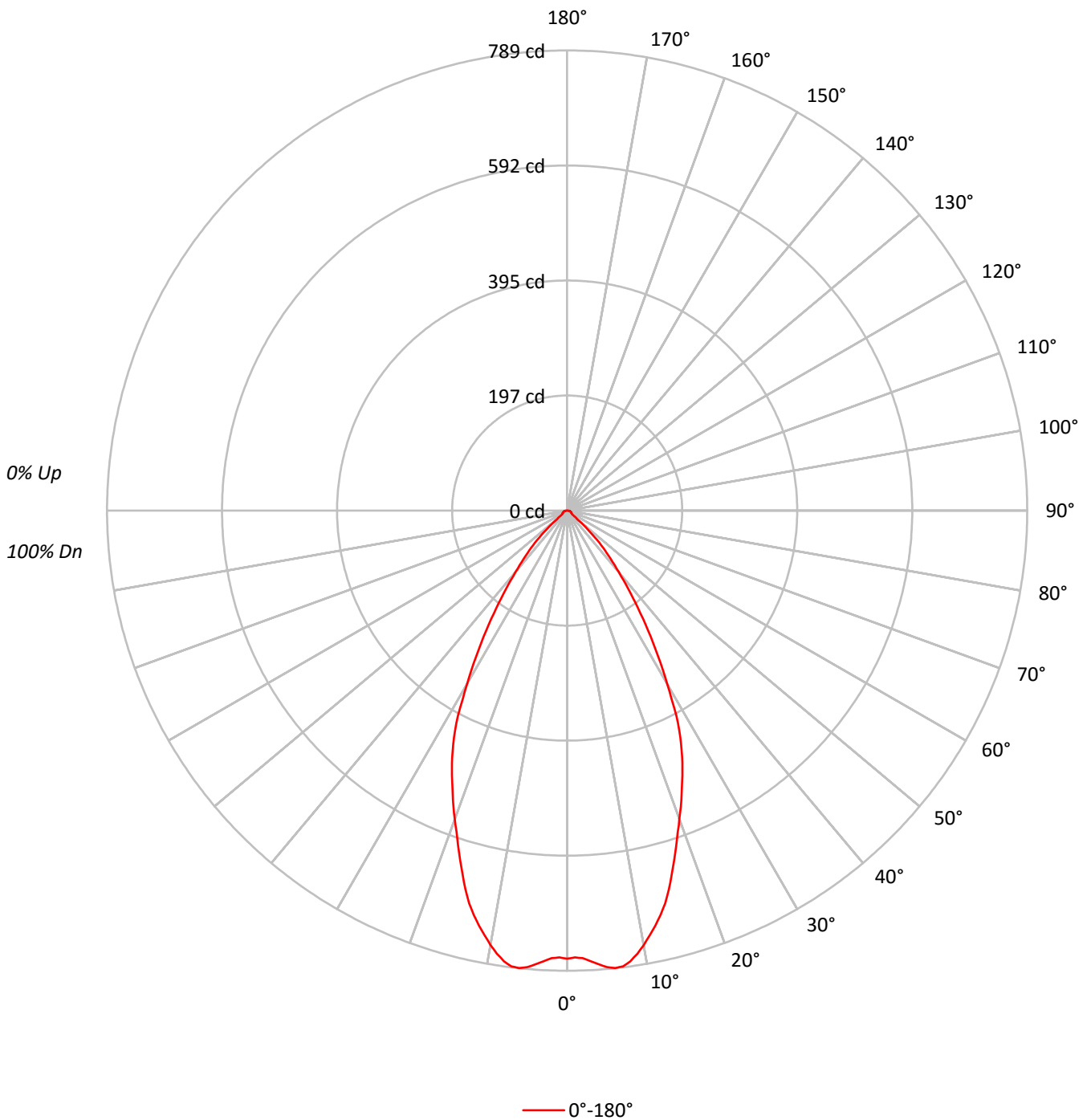
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	379162
5°	389228
10°	378899
15°	343911
20°	295547
25°	253792
30°	195694
35°	136482
40°	88301
45°	54354
50°	17193
55°	8688
60°	8585
65°	9223
70°	9377
75°	11056
80°	10229
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	10.6
10°-20°	186.1	26.6
20°-30°	210.6	30.1
30°-40°	143.0	20.5
40°-50°	59.1	8.5
50°-60°	10.2	1.5
60°-70°	7.6	1.1
70°-80°	5.7	0.8
80°-90°	2.1	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°	470.9	67.4
0°-40°	613.9	87.9
0°-60°	683.1	97.8
0°-90°	698.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	768	
5°	786	74
15°	673	186
25°	466	211
35°	227	143
45°	78	59
55°	10	10
65°	8	8
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	768.5
1°	766.4
2°	767.8
3°	773.6
4°	780.1
5°	785.9
6°	788.8
7°	787.3
8°	780.1
9°	769.3
10°	756.3
11°	741.8
12°	727.4
13°	711.5
14°	694.2
15°	673.3
16°	650.2
17°	627.1
18°	604.7
19°	583.1
20°	562.9
21°	544.1
22°	523.9
23°	504.4
24°	485.7
25°	466.2
26°	446.0
27°	423.6
28°	399.1
29°	369.5
30°	343.5
32.5°	281.4
35°	226.6
37.5°	178.2
40°	137.1
42.5°	105.4
45°	77.9
47.5°	48.3
50°	22.4
52.5°	10.8
55°	10.1
57.5°	9.4
60°	8.7
62.5°	7.9
65°	7.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.2
70°	6.5
72.5°	5.8
75°	5.8
77.5°	5.1
80°	3.6
82.5°	2.9
85°	2.2
87.5°	0.7
90°	0.0

(END OF REPORT)