

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: P220349

Luminaire Tested: **9002-W1-[RW, RI]-LED2797-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29414)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 690.1 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

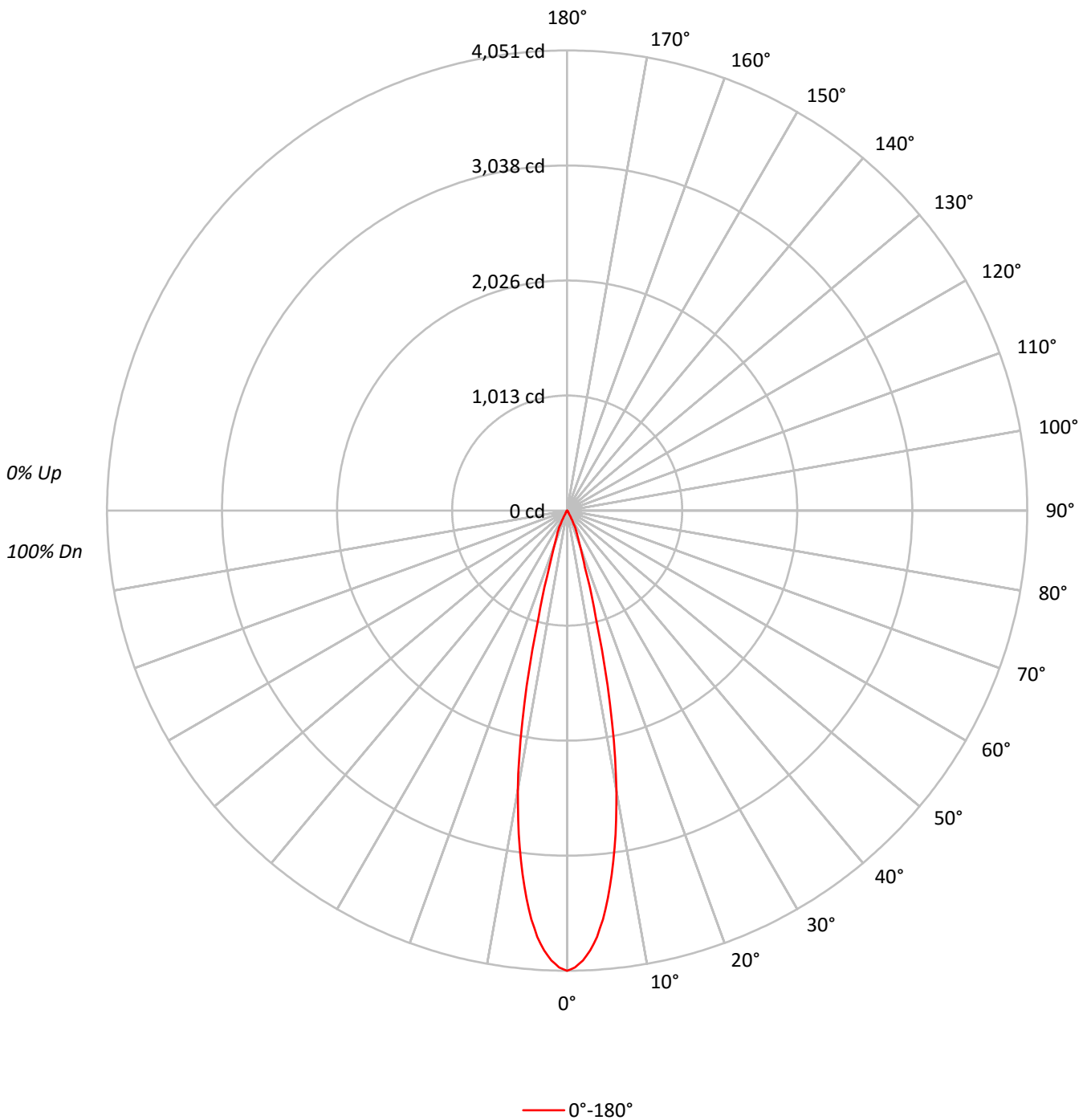
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	101	99	107	103	100	98	101	99	96	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	90	94	92	90	93	91	89	88
6	101	95	91	89	100	95	91	89	93	90	88	92	89	87	91	89	87	86
7	98	93	89	86	97	92	89	86	91	88	86	90	87	85	89	87	85	84
8	96	90	87	84	95	90	86	84	89	86	84	88	85	83	87	85	83	82
9	94	88	85	82	93	88	84	82	87	84	82	86	84	82	86	83	81	81
10	92	86	83	80	91	86	82	80	85	82	80	85	82	80	84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1998829
5°	1788795
10°	1252727
15°	498730
20°	170482
25°	93906
30°	20168
35°	8673
40°	4637
45°	2023
50°	1075
55°	602
60°	691
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.6	44.7
10°-20°	295.2	42.8
20°-30°	72.6	10.5
30°-40°	10.1	1.5
40°-50°	2.7	0.4
50°-60°	0.7	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	676.4	98.0
0°-40°	686.5	99.5
0°-60°	690.0	100.0
0°-90°	690.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	690.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4051	
5°	3612	309
15°	976	295
25°	172	73
35°	14	10
45°	3	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4051.3
1°	4021.7
2°	3962.5
3°	3878.1
4°	3762.6
5°	3611.8
6°	3430.7
7°	3227.9
8°	2999.1
9°	2759.6
10°	2500.5
11°	2216.2
12°	1903.0
13°	1581.8
14°	1262.9
15°	976.4
17.5°	518.9
20°	324.7
22.5°	234.5
25°	172.5
27.5°	75.8
30°	35.4
32.5°	21.6
35°	14.4
37.5°	9.4
40°	7.2
42.5°	5.1
45°	2.9
47.5°	2.2
50°	1.4
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)