

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: P220405

Luminaire Tested: **9002-W1-FL-LED2797-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29421)
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-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

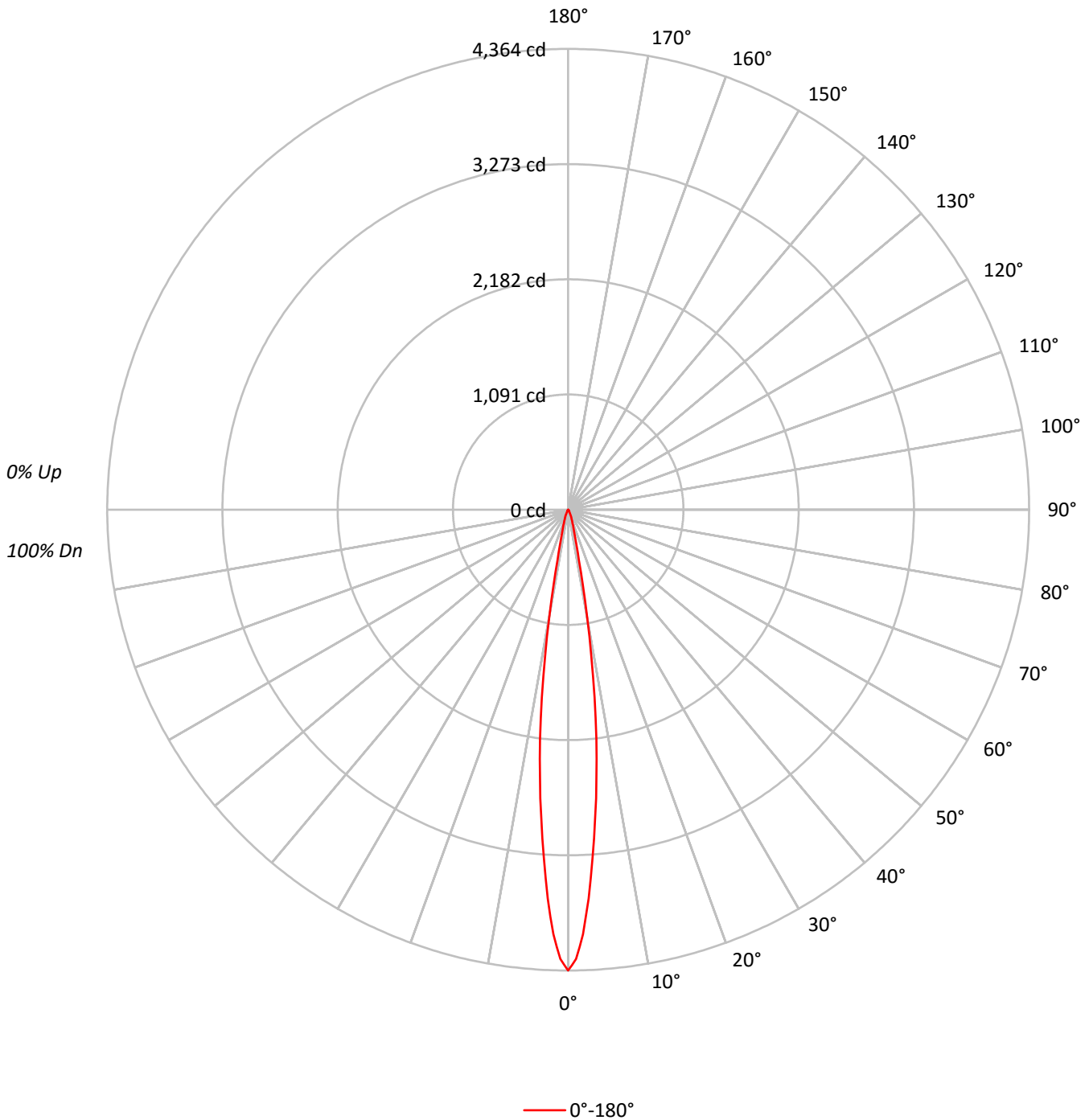
Lumens per Lamp: N/A
Luminaire Lumens: 330.8 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.24
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	106	104	103	103	103	101	100	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	103	102	102	102	101	100	100	100	99	98	98	96	96	96	96
3	110	106	103	101	108	105	102	100	103	101	99	99	101	99	97	97	98	97	96	96	95	95	95	95
4	108	103	100	98	106	102	100	97	101	98	96	96	99	97	95	95	97	96	94	94	93	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	94	97	95	93	93	96	94	93	93	92	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	92	96	94	92	92	95	93	91	91	90	90	90	90
7	102	97	94	91	101	96	93	91	95	93	91	91	94	92	90	90	94	92	90	90	89	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	89	93	91	89	89	92	90	89	89	88	88	88	88
9	99	94	91	89	98	93	90	88	93	90	88	88	92	90	88	88	91	89	88	88	87	87	87	87
10	97	92	89	87	97	92	89	87	91	89	87	87	91	89	87	87	90	88	87	87	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2152960
5°	1452461
10°	516972
15°	107622
20°	51927
25°	25151
30°	8660
35°	4337
40°	3285
45°	2023
50°	1689
55°	1204
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.5	66.4
10°-20°	78.7	23.8
20°-30°	22.1	6.7
30°-40°	5.1	1.5
40°-50°	2.6	0.8
50°-60°	1.5	0.5
60°-70°	0.9	0.3
70°-80°	0.3	0.1
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°	320.3	96.8
0°-40°	325.4	98.4
0°-60°	329.5	99.6
0°-90°	330.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	330.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4364	
5°	2933	219
15°	211	79
25°	46	22
35°	7	5
45°	3	3
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4363.7
1°	4256.2
2°	4023.9
3°	3686.1
4°	3308.0
5°	2932.7
6°	2562.5
7°	2187.3
8°	1795.4
9°	1400.0
10°	1031.9
11°	720.2
12°	489.3
13°	347.1
14°	264.1
15°	210.7
17.5°	136.4
20°	98.9
22.5°	71.4
25°	46.2
27.5°	26.7
30°	15.2
32.5°	10.1
35°	7.2
37.5°	5.8
40°	5.1
42.5°	4.3
45°	2.9
47.5°	2.9
50°	2.2
52.5°	2.2
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
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)