

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: P220381

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

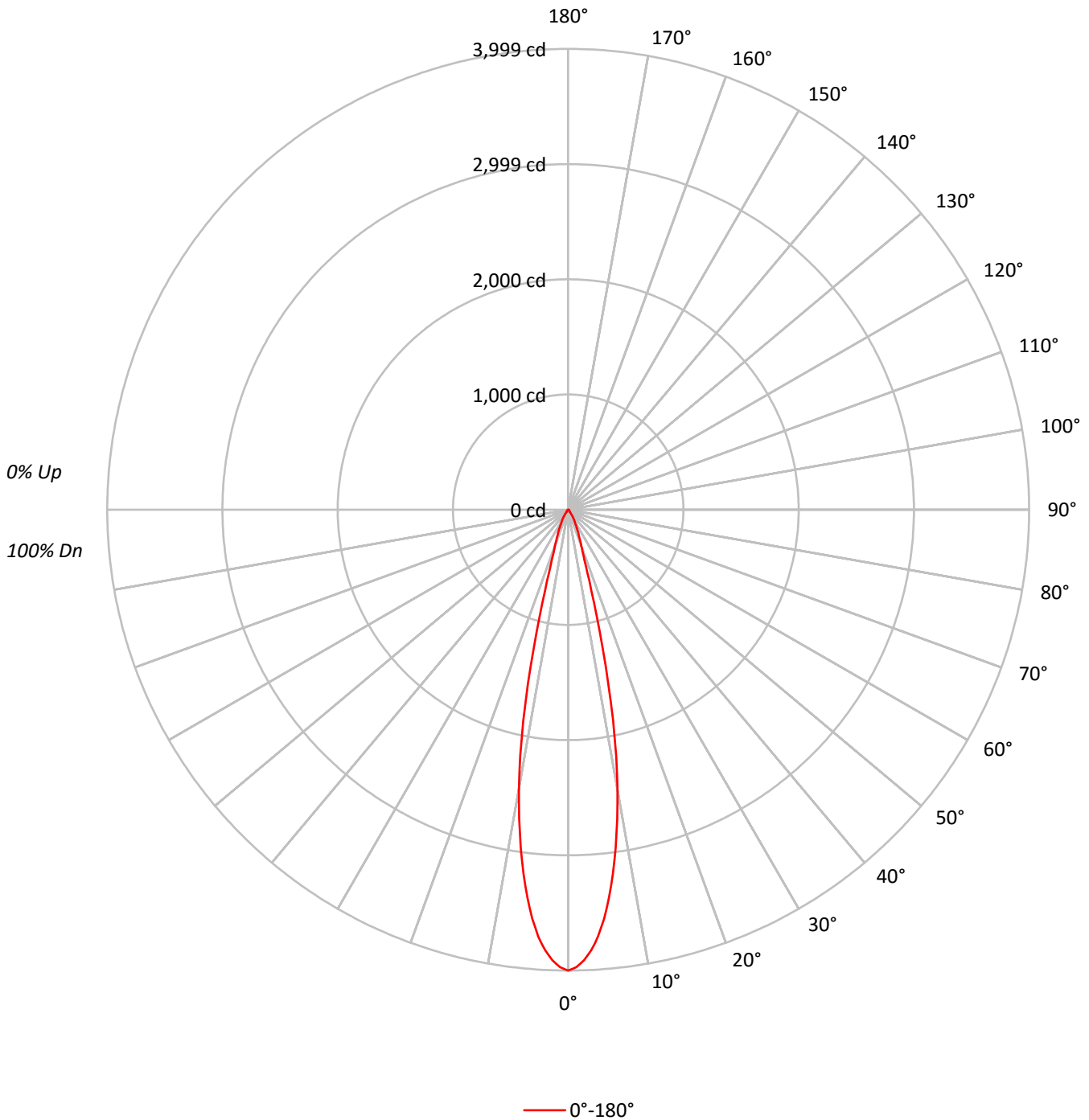
Lumens per Lamp: N/A
Luminaire Lumens: 732.5 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99		100	98	97		97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90		94	92	89		92	90	88	87
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90	88	86	85
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88	85	83	82
7	96	90	86	83	95	89	85	82	88	85	82		87	84	82		86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78		83	80	78		82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1973222
5°	1764874
10°	1232137
15°	486215
20°	174682
25°	98588
30°	56344
35°	30416
40°	12108
45°	8024
50°	5526
55°	4989
60°	5032
65°	5954
70°	6203
75°	6863
80°	3978
85°	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	41.5
10°-20°	286.0	39.0
20°-30°	86.4	11.8
30°-40°	31.9	4.4
40°-50°	9.2	1.3
50°-60°	5.4	0.7
60°-70°	5.0	0.7
70°-80°	3.4	0.5
80°-90°	1.0	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°	676.6	92.4
0°-40°	708.5	96.7
0°-60°	723.2	98.7
0°-90°	732.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3999	
5°	3564	304
15°	952	286
25°	181	86
35°	50	32
45°	12	9
55°	6	5
65°	5	5
75°	4	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3999.4
1°	3971.2
2°	3912.8
3°	3828.3
4°	3713.6
5°	3563.5
6°	3384.5
7°	3185.3
8°	2959.5
9°	2717.7
10°	2459.4
11°	2177.9
12°	1870.5
13°	1548.7
14°	1232.6
15°	951.9
16°	727.4
17°	563.6
18°	455.4
19°	383.2
20°	332.7
22.5°	244.6
25°	181.1
26°	160.2
27°	142.2
28°	126.3
29°	111.9
30°	98.9
32.5°	72.2
35°	50.5
37.5°	28.1
40°	18.8
42.5°	14.4
45°	11.5
47.5°	9.4
50°	7.2
52.5°	6.5
55°	5.8
57.5°	5.8
60°	5.1
62.5°	5.1
65°	5.1
67.5°	5.1
70°	4.3
72.5°	3.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	3.6
77.5°	2.9
80°	1.4
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)