

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: P220383

Luminaire Tested: **9002-W1-FL-LED3597-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220383
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-LED3597-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 824.8 lumens
Efficiency: N/A
Efficacy: 82.5 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

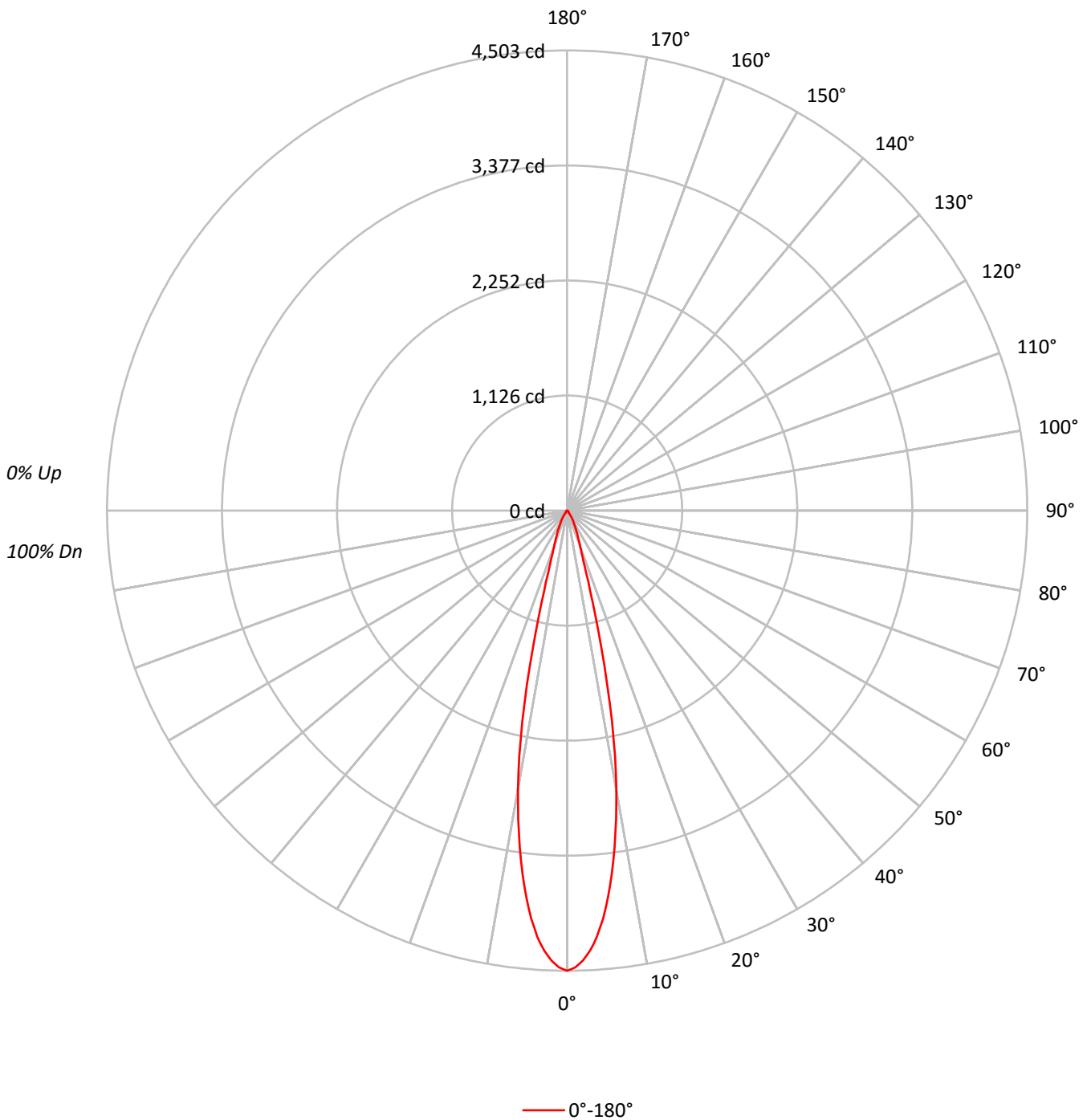
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2221737
5°	1987148
10°	1387293
15°	547407
20°	196681
25°	111000
30°	63408
35°	34271
40°	13590
45°	9071
50°	6217
55°	5591
60°	5625
65°	6654
70°	7068
75°	7816
80°	4546
85°	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.7	41.5
10°-20°	322.0	39.0
20°-30°	97.2	11.8
30°-40°	35.9	4.4
40°-50°	10.4	1.3
50°-60°	6.1	0.7
60°-70°	5.6	0.7
70°-80°	3.9	0.5
80°-90°	1.1	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°	761.9	92.4
0°-40°	797.8	96.7
0°-60°	814.3	98.7
0°-90°	824.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4503	
5°	4012	343
15°	1072	322
25°	204	97
35°	57	36
45°	13	10
55°	6	6
65°	6	6
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4503.1
1°	4471.4
2°	4405.6
3°	4310.5
4°	4181.3
5°	4012.3
6°	3810.8
7°	3586.5
8°	3332.2
9°	3060.0
10°	2769.1
11°	2452.2
12°	2106.1
13°	1743.7
14°	1387.8
15°	1071.7
16°	819.0
17°	634.6
18°	512.7
19°	431.5
20°	374.6
22.5°	275.4
25°	203.9
26°	180.4
27°	160.1
28°	142.2
29°	125.9
30°	111.3
32.5°	81.3
35°	56.9
37.5°	31.7
40°	21.1
42.5°	16.3
45°	13.0
47.5°	10.6
50°	8.1
52.5°	7.3
55°	6.5
57.5°	6.5
60°	5.7
62.5°	5.7
65°	5.7
67.5°	5.7
70°	4.9
72.5°	4.1



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.1
77.5°	3.3
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)