

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: P220375

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
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-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 386.4 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

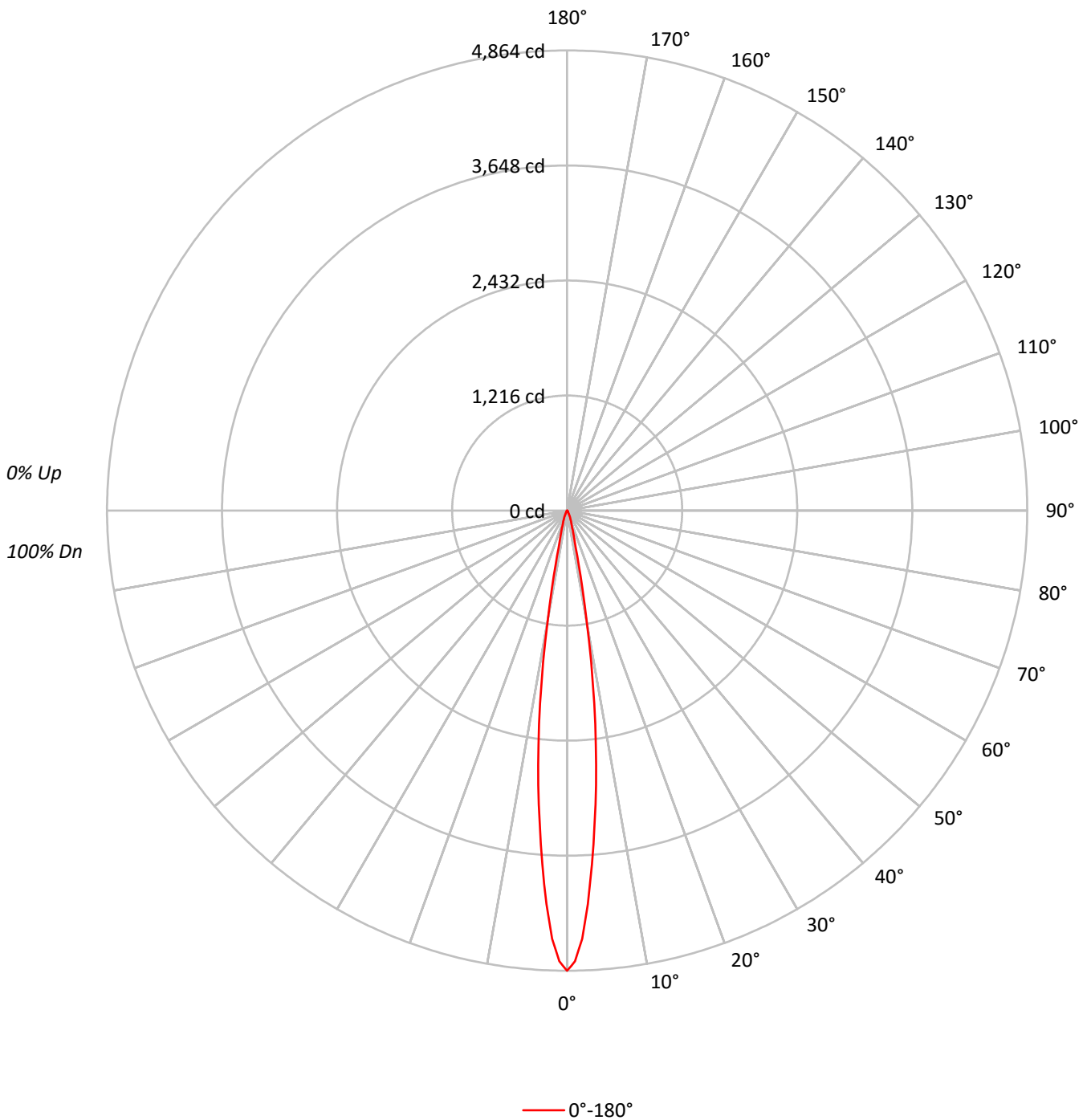
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
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	106	106	106	102	102	102	100	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	97	96	96	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	95	94	94	94
4	107	103	99	97	106	102	98	96	100	97	95	98	96	94	96	94	93	93	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	90	90	90
6	103	98	94	92	102	97	94	92	96	93	91	95	92	90	94	91	90	89	88	88	88
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88	87	87	87
8	99	94	91	88	98	93	90	88	93	90	88	92	89	88	91	89	87	87	86	86	86
9	98	92	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85	84	84	84
10	96	91	88	86	95	91	88	86	90	87	85	89	87	85	89	87	85	84	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2399699
5°	1649131
10°	601239
15°	123661
20°	59750
25°	29614
30°	11109
35°	5903
40°	4702
45°	3419
50°	3147
55°	2839
60°	3256
65°	3853
70°	3462
75°	3050
80°	2273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.9	64.7
10°-20°	91.6	23.7
20°-30°	26.1	6.8
30°-40°	6.8	1.8
40°-50°	4.1	1.1
50°-60°	3.2	0.8
60°-70°	2.9	0.8
70°-80°	1.7	0.4
80°-90°	0.1	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°	367.6	95.1
0°-40°	374.4	96.9
0°-60°	381.7	98.8
0°-90°	386.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	386.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4864	
5°	3330	250
15°	242	92
25°	54	26
35°	10	7
45°	5	4
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4863.8
1°	4764.7
2°	4529.1
3°	4167.5
4°	3749.0
5°	3329.8
6°	2915.4
7°	2494.5
8°	2055.7
9°	1616.1
10°	1200.1
11°	841.8
12°	579.3
13°	407.9
14°	304.7
15°	242.1
17.5°	157.6
20°	113.8
22.5°	83.7
25°	54.4
27.5°	32.5
30°	19.5
32.5°	13.0
35°	9.8
37.5°	8.1
40°	7.3
42.5°	5.7
45°	4.9
47.5°	4.9
50°	4.1
52.5°	4.1
55°	3.3
57.5°	3.3
60°	3.3
62.5°	3.3
65°	3.3
67.5°	2.4
70°	2.4
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.8
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)