

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: P220374

Luminaire Tested: **9002-W1-FL-LED3097-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220374
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-LED3097-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 367.4 lumens
Efficiency: N/A
Efficacy: 36.7 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

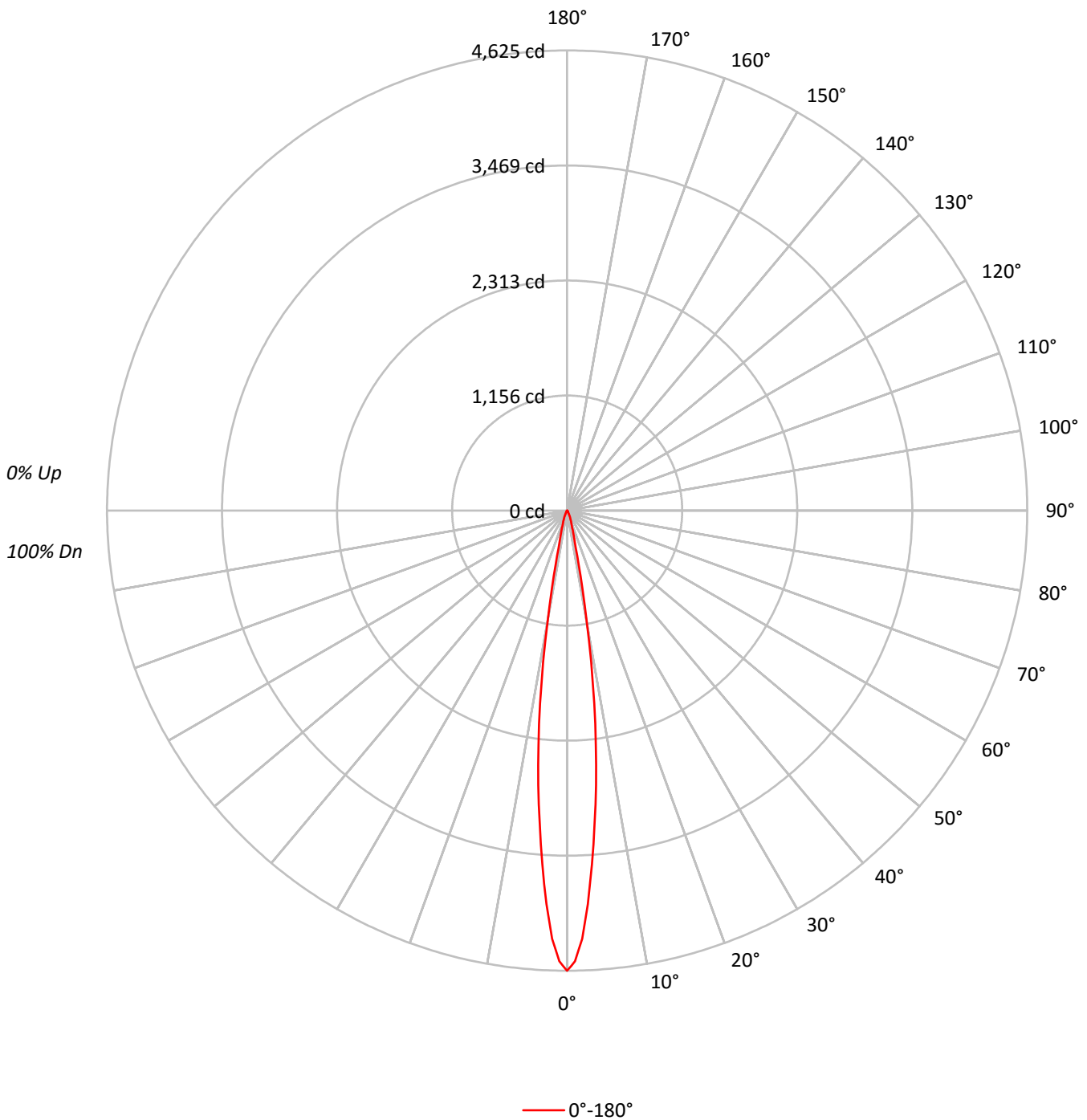
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2281732
5°	1568006
10°	571681
15°	117582
20°	56810
25°	28199
30°	10540
35°	5601
40°	4508
45°	3210
50°	2993
55°	2667
60°	3059
65°	3619
70°	3318
75°	2859
80°	2273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	64.7
10°-20°	87.1	23.7
20°-30°	24.9	6.8
30°-40°	6.5	1.8
40°-50°	3.9	1.0
50°-60°	3.0	0.8
60°-70°	2.8	0.8
70°-80°	1.6	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°	349.5	95.1
0°-40°	356.0	96.9
0°-60°	362.9	98.8
0°-90°	367.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4625	
5°	3166	238
15°	230	87
25°	52	25
35°	9	6
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°	4624.7
1°	4530.4
2°	4306.4
3°	3962.6
4°	3564.7
5°	3166.0
6°	2772.0
7°	2371.8
8°	1954.6
9°	1536.7
10°	1141.1
11°	800.4
12°	550.9
13°	387.8
14°	289.7
15°	230.2
17.5°	149.9
20°	108.2
22.5°	79.6
25°	51.8
27.5°	30.9
30°	18.5
32.5°	12.4
35°	9.3
37.5°	7.7
40°	7.0
42.5°	5.4
45°	4.6
47.5°	4.6
50°	3.9
52.5°	3.9
55°	3.1
57.5°	3.1
60°	3.1
62.5°	3.1
65°	3.1
67.5°	2.3
70°	2.3
72.5°	2.3
75°	1.5
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)