

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: P220310

Luminaire Tested: **9002-W1-[RW, RI]-LED3097-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED3097-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED 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: 361.9 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

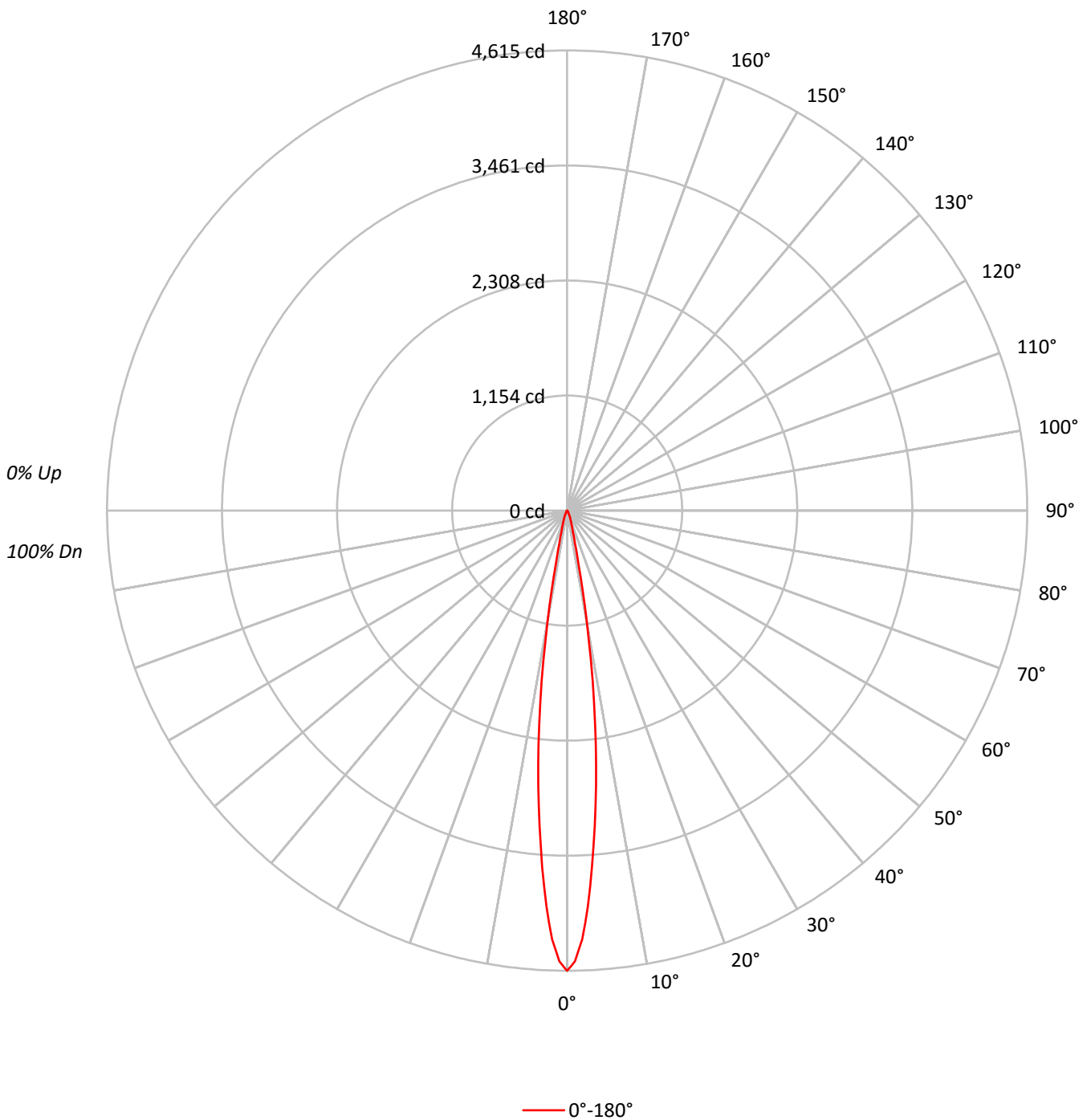
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220310

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3097-S-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220310

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3097-S-WT-L1-UNV

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
	1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98
	2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96
	3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	94	94
	4	107	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93	93
	5	105	100	97	95	104	100	97	94	98	95	93	97	94	93	95	93	92	91	91
	6	103	98	95	92	102	98	94	92	96	94	92	95	93	91	94	92	91	90	90
	7	101	96	93	91	100	96	93	90	95	92	90	94	91	90	93	91	89	88	88
	8	100	95	91	89	99	94	91	89	93	91	89	92	90	88	92	90	88	87	87
	9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86	86
	10	97	92	89	87	96	91	88	86	91	88	86	90	88	86	90	87	86	85	85

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2277144
5°	1572216
10°	566621
15°	115642
20°	54762
25°	26893
30°	9685
35°	5120
40°	3478
45°	3210
50°	2993
55°	2667
60°	2270
65°	1751
70°	2164
75°	1525
80°	2273
85°	0



TEST NUMBER: P220310

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3097-S-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	65.5
10°-20°	86.4	23.9
20°-30°	23.7	6.5
30°-40°	5.8	1.6
40°-50°	3.4	0.9
50°-60°	2.8	0.8
60°-70°	1.6	0.4
70°-80°	0.9	0.3
80°-90°	0.3	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°	347.1	95.9
0°-40°	352.9	97.5
0°-60°	359.0	99.2
0°-90°	361.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4615	
5°	3174	237
15°	226	86
25°	49	24
35°	8	6
45°	5	3
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P220310

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	4615.4
1°	4520.3
2°	4302.5
3°	3977.2
4°	3583.2
5°	3174.5
6°	2768.1
7°	2358.7
8°	1938.4
9°	1521.2
10°	1131.0
11°	799.6
12°	555.5
13°	391.7
14°	290.5
15°	226.4
17.5°	144.5
20°	104.3
22.5°	76.5
25°	49.4
27.5°	28.6
30°	17.0
32.5°	10.8
35°	8.5
37.5°	7.0
40°	5.4
42.5°	4.6
45°	4.6
47.5°	3.9
50°	3.9
52.5°	3.9
55°	3.1
57.5°	2.3
60°	2.3
62.5°	1.5
65°	1.5
67.5°	1.5
70°	1.5
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0



TEST NUMBER: P220310

CATALOG NUMBER: 9002-W1-[RW, RI]-LED3097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)