

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: P220342

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29413)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 365.3 lumens
Efficiency: N/A
Efficacy: 36.5 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

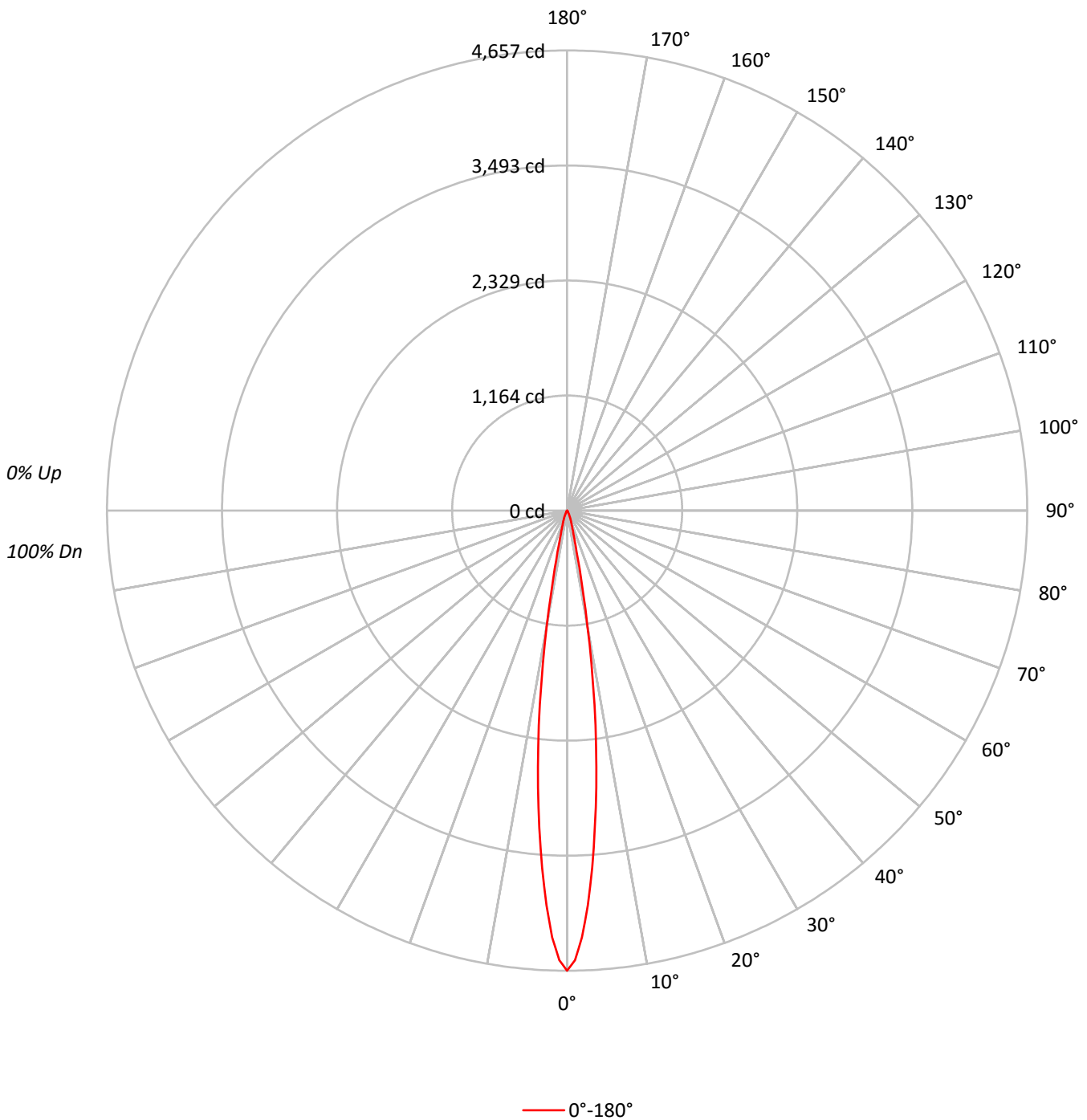
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2297718
5°	1595543
10°	592572
15°	127083
20°	56810
25°	27764
30°	9229
35°	4216
40°	2512
45°	1605
50°	1151
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.2	66.0
10°-20°	92.8	25.4
20°-30°	24.3	6.7
30°-40°	5.0	1.4
40°-50°	1.7	0.5
50°-60°	0.3	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	358.3	98.1
0°-40°	363.3	99.4
0°-60°	365.3	100.0
0°-90°	365.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	365.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4657	
5°	3222	241
15°	249	93
25°	51	24
35°	7	5
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4657.1
1°	4550.5
2°	4321.8
3°	3999.6
4°	3624.2
5°	3221.6
6°	2819.1
7°	2405.0
8°	1981.7
9°	1566.8
10°	1182.8
11°	854.5
12°	601.8
13°	428.0
14°	318.3
15°	248.8
17.5°	153.0
20°	108.2
22.5°	78.8
25°	51.0
27.5°	29.4
30°	16.2
32.5°	10.0
35°	7.0
37.5°	5.4
40°	3.9
42.5°	2.3
45°	2.3
47.5°	1.5
50°	1.5
52.5°	0.8
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
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)