

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: P220318

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 760.8 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

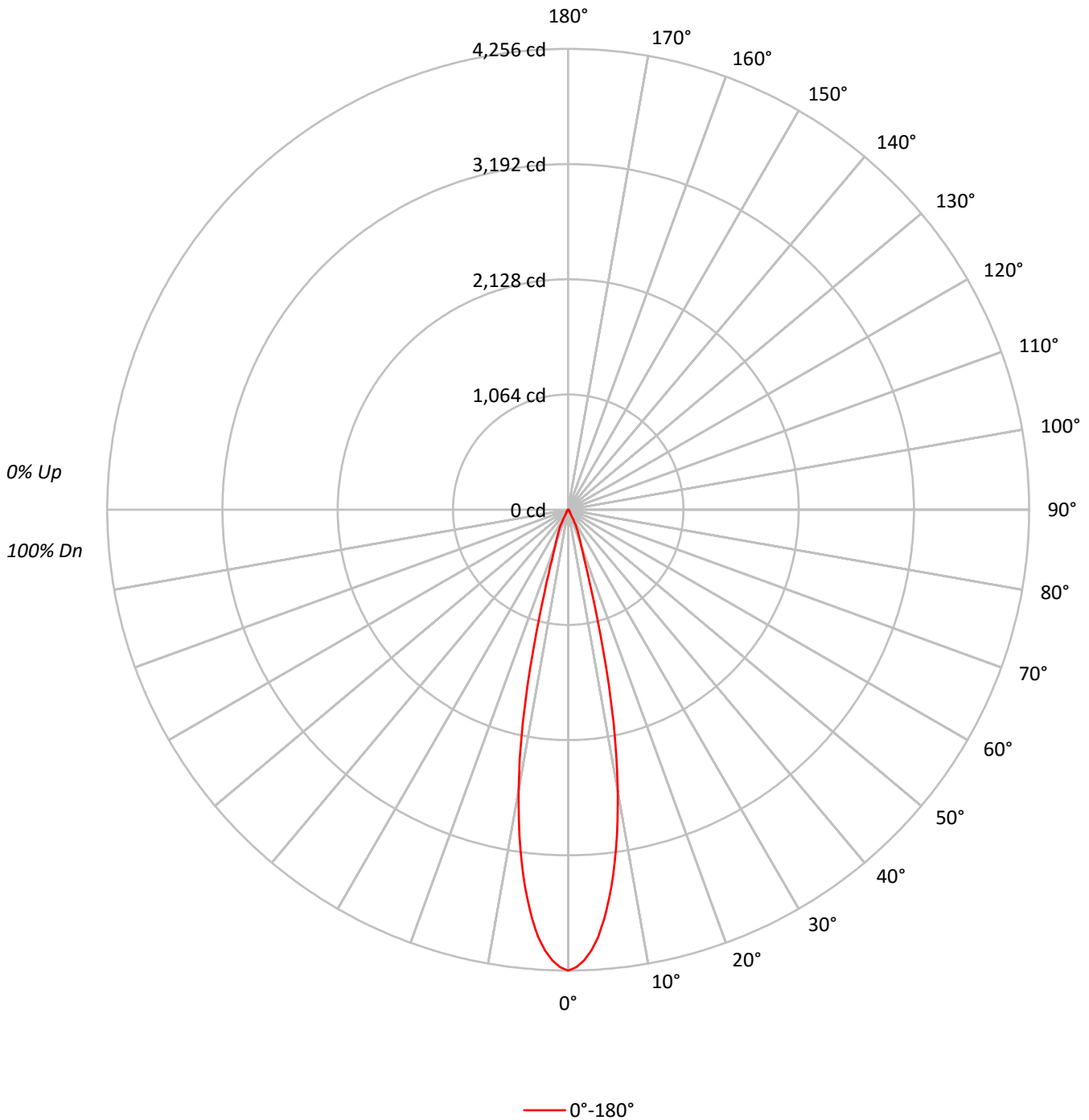
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	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	92	96	93	91	94	92	90	93	90	89	87
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	85	82	80	79
9	92	85	82	79	91	85	81	79	84	81	79	84	80	78	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2099873
5°	1881360
10°	1321413
15°	527231
20°	181298
25°	100929
30°	24668
35°	13492
40°	9983
45°	9140
50°	8904
55°	9290
60°	9177
65°	8989
70°	8944
75°	8769
80°	8808
85°	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.1	42.7
10°-20°	308.2	40.5
20°-30°	78.1	10.3
30°-40°	15.2	2.0
40°-50°	10.2	1.3
50°-60°	9.6	1.3
60°-70°	7.7	1.0
70°-80°	5.1	0.7
80°-90°	1.7	0.2
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°	711.3	93.5
0°-40°	726.6	95.5
0°-60°	746.4	98.1
0°-90°	760.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	760.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4256	
5°	3799	325
15°	1032	308
25°	185	78
35°	22	15
45°	13	10
55°	11	10
65°	8	8
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4256.1
1°	4226.8
2°	4165.7
3°	4077.6
4°	3956.3
5°	3798.7
6°	3613.3
7°	3403.2
8°	3168.3
9°	2911.1
10°	2637.6
11°	2340.9
12°	2012.6
13°	1671.1
14°	1331.9
15°	1032.2
16°	791.1
17°	615.0
18°	491.4
19°	405.6
20°	345.3
22.5°	251.1
25°	185.4
26°	149.1
27°	105.1
28°	70.3
29°	52.5
30°	43.3
32.5°	29.4
35°	22.4
37.5°	17.8
40°	15.5
42.5°	13.9
45°	13.1
47.5°	12.4
50°	11.6
52.5°	11.6
55°	10.8
57.5°	10.0
60°	9.3
62.5°	8.5
65°	7.7
67.5°	7.0
70°	6.2
72.5°	5.4



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.6
77.5°	4.6
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)