

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: P220320

Luminaire Tested: **9002-W1-[RW, RI]-LED4097-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220320
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]-LED4097-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 820.4 lumens
Efficiency: N/A
Efficacy: 82.0 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

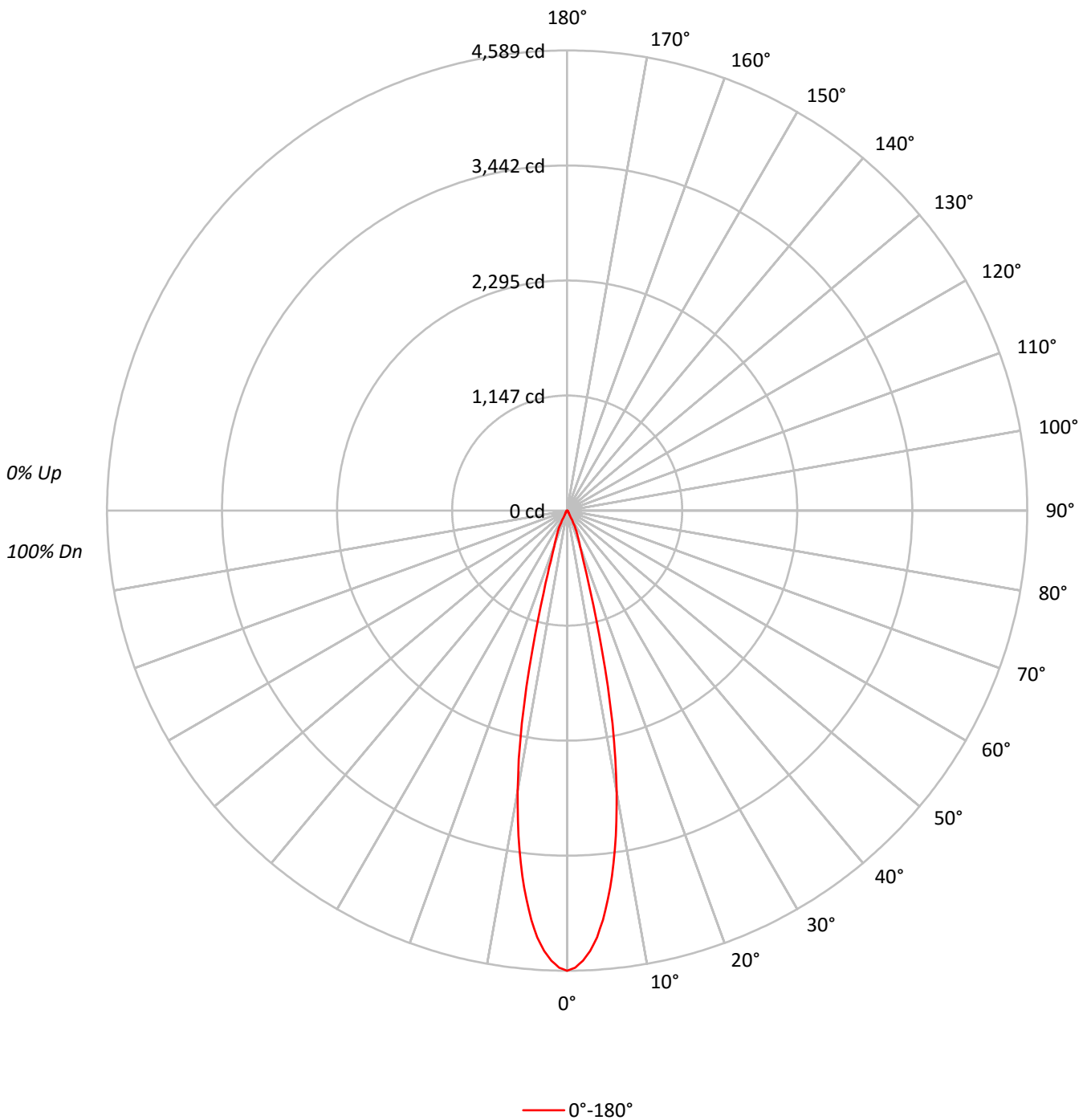
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2264316
5°	2028701
10°	1424868
15°	568503
20°	195526
25°	108822
30°	26605
35°	14576
40°	10756
45°	9908
50°	9595
55°	10064
60°	9868
65°	9690
70°	9665
75°	9531
80°	9376
85°	9624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.5	42.7
10°-20°	332.3	40.5
20°-30°	84.2	10.3
30°-40°	16.4	2.0
40°-50°	11.0	1.3
50°-60°	10.3	1.3
60°-70°	8.3	1.0
70°-80°	5.5	0.7
80°-90°	1.8	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°	767.0	93.5
0°-40°	783.4	95.5
0°-60°	804.8	98.1
0°-90°	820.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4589	
5°	4096	351
15°	1113	332
25°	200	84
35°	24	16
45°	14	11
55°	12	10
65°	8	8
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4589.4
1°	4557.7
2°	4491.9
3°	4396.9
4°	4266.1
5°	4096.2
6°	3896.2
7°	3669.7
8°	3416.4
9°	3139.0
10°	2844.1
11°	2524.2
12°	2170.1
13°	1801.9
14°	1436.2
15°	1113.0
16°	853.1
17°	663.1
18°	529.8
19°	437.4
20°	372.4
22.5°	270.7
25°	199.9
26°	160.8
27°	113.3
28°	75.8
29°	56.6
30°	46.7
32.5°	31.7
35°	24.2
37.5°	19.2
40°	16.7
42.5°	15.0
45°	14.2
47.5°	13.3
50°	12.5
52.5°	12.5
55°	11.7
57.5°	10.8
60°	10.0
62.5°	9.2
65°	8.3
67.5°	7.5
70°	6.7
72.5°	5.8



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CANDELA DISTRIBUTION (continued):

	0°
75°	5.0
77.5°	5.0
80°	3.3
82.5°	2.5
85°	1.7
87.5°	0.8
90°	0.0

(END OF REPORT)