

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: P220312

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220312
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]-LED4097-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 390.2 lumens
Efficiency: N/A
Efficacy: 39.0 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

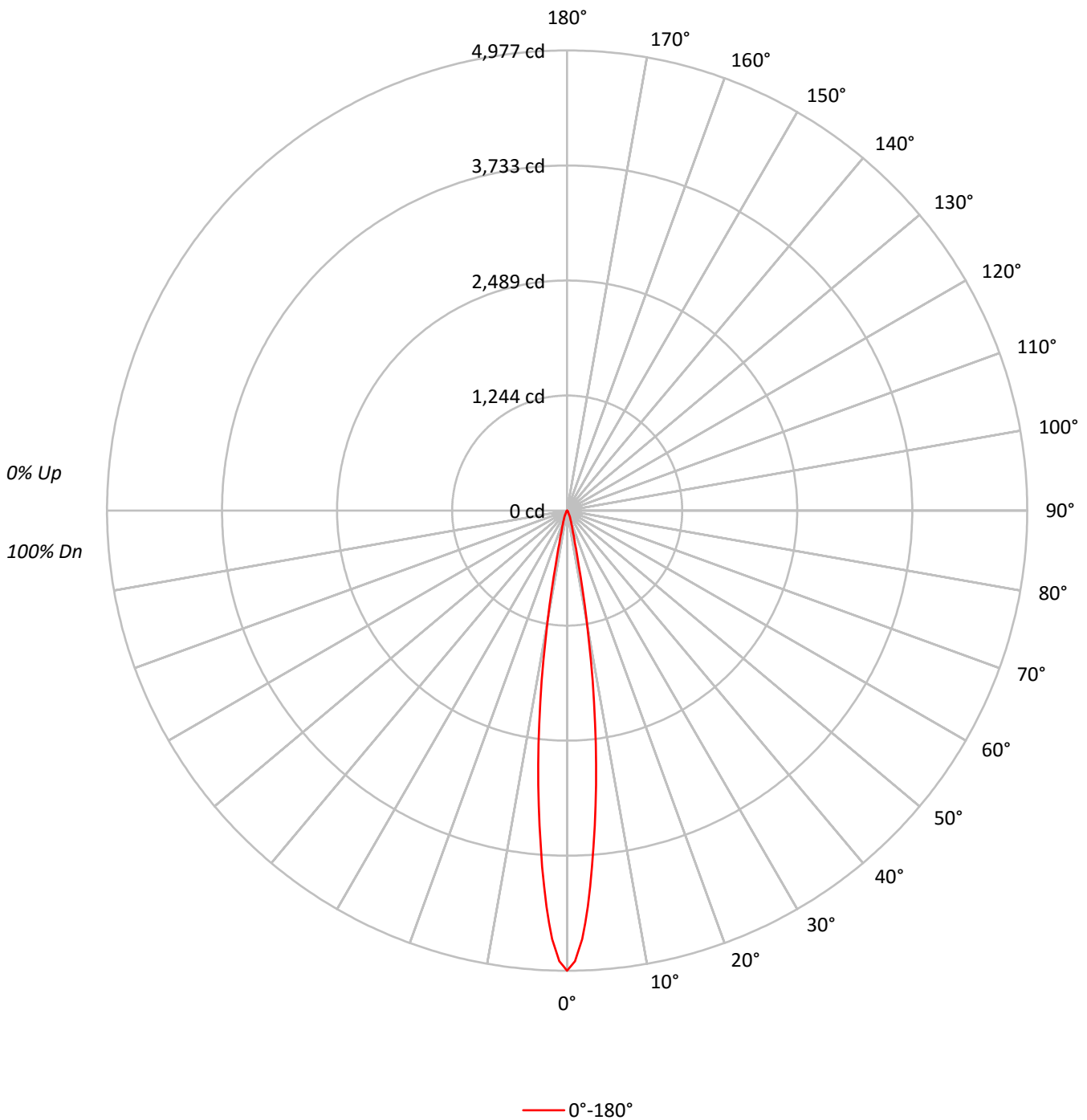
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2455402
5°	1695339
10°	611008
15°	124682
20°	59067
25°	29016
30°	10426
35°	5541
40°	3736
45°	3489
50°	3224
55°	2839
60°	2467
65°	1985
70°	2452
75°	1525
80°	2273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.6	65.5
10°-20°	93.1	23.9
20°-30°	25.5	6.5
30°-40°	6.2	1.6
40°-50°	3.7	0.9
50°-60°	3.0	0.8
60°-70°	1.8	0.5
70°-80°	1.0	0.2
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°	374.3	95.9
0°-40°	380.5	97.5
0°-60°	387.2	99.2
0°-90°	390.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4977	
5°	3423	256
15°	244	93
25°	53	26
35°	9	6
45°	5	4
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4976.7
1°	4874.3
2°	4639.3
3°	4288.6
4°	3863.8
5°	3423.1
6°	2984.9
7°	2543.3
8°	2090.2
9°	1640.3
10°	1219.6
11°	862.2
12°	599.0
13°	422.4
14°	313.2
15°	244.1
17.5°	155.8
20°	112.5
22.5°	82.5
25°	53.3
27.5°	30.8
30°	18.3
32.5°	11.7
35°	9.2
37.5°	7.5
40°	5.8
42.5°	5.0
45°	5.0
47.5°	4.2
50°	4.2
52.5°	4.2
55°	3.3
57.5°	2.5
60°	2.5
62.5°	1.7
65°	1.7
67.5°	1.7
70°	1.7
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



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)