

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: P220360

Luminaire Tested: **9002-W1-[RW, RI]-LED4097-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29415)
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-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

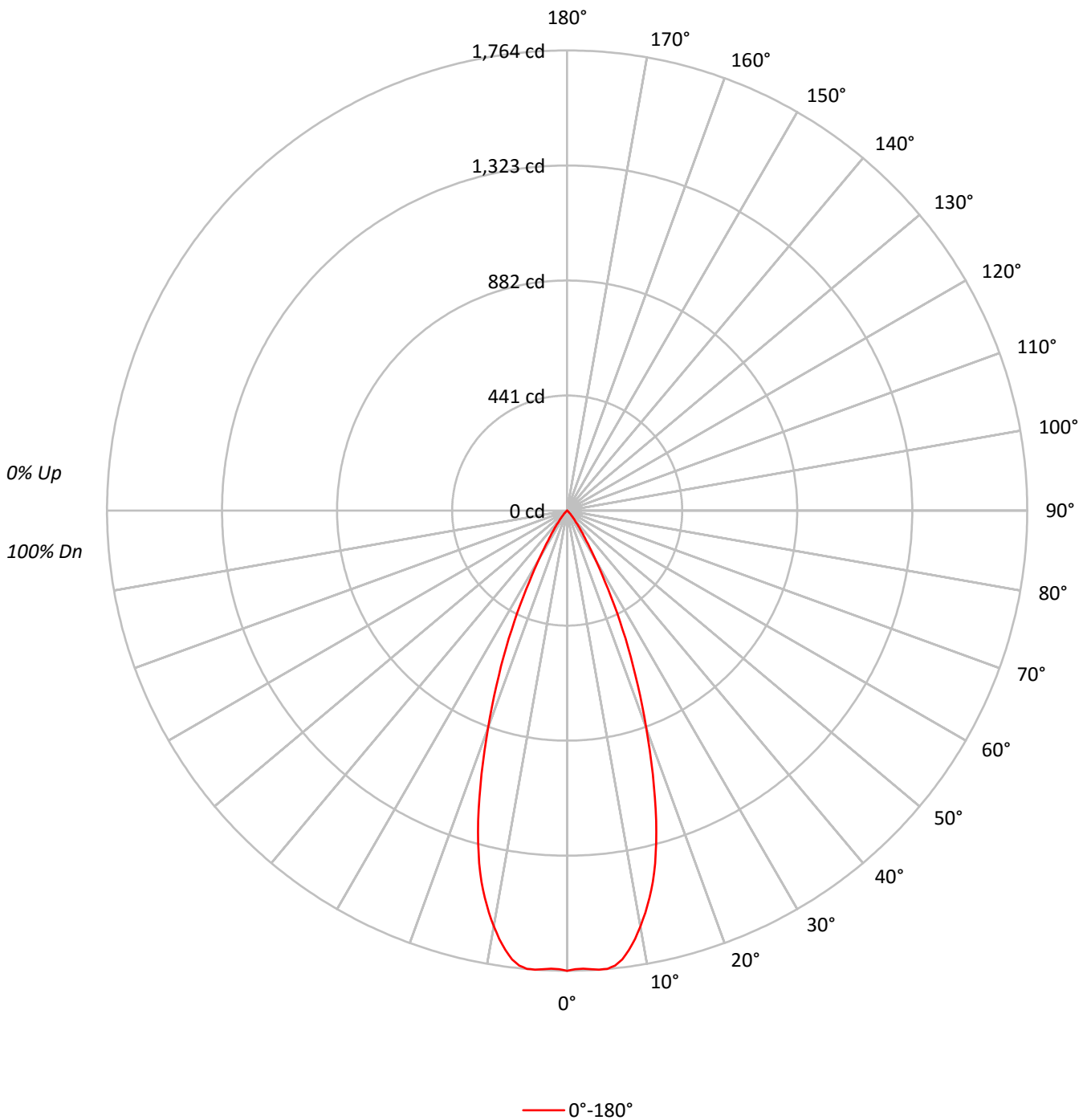
Lumens per Lamp: N/A
Luminaire Lumens: 820.9 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83
5	98	91	86	83	96	90	86	83	89	85	82	87	84	81	86	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	82	77	74	80	77	74	79	76	74	73
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	77	73	71	70
9	84	77	72	69	84	76	72	68	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	870519
5°	873448
10°	810904
15°	674031
20°	464506
25°	273934
30°	122430
35°	52160
40°	20932
45°	7536
50°	2533
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	20.0
10°-20°	355.3	43.3
20°-30°	230.2	28.0
30°-40°	60.5	7.4
40°-50°	10.1	1.2
50°-60°	1.1	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°	749.3	91.3
0°-40°	809.7	98.6
0°-60°	820.9	100.0
0°-90°	820.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1764	
5°	1764	164
15°	1320	355
25°	503	230
35°	87	60
45°	11	10
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1764.4
1°	1758.6
2°	1756.9
3°	1760.3
4°	1764.4
5°	1763.6
6°	1753.6
7°	1733.6
8°	1701.1
9°	1662.8
10°	1618.6
11°	1570.3
12°	1517.8
13°	1460.4
14°	1393.7
15°	1319.6
16°	1237.9
17°	1151.3
18°	1062.2
19°	971.4
20°	884.7
22.5°	683.9
25°	503.2
26°	436.5
27°	369.9
28°	309.9
29°	258.3
30°	214.9
32.5°	135.0
35°	86.6
37.5°	53.3
40°	32.5
42.5°	19.2
45°	10.8
47.5°	5.8
50°	3.3
52.5°	1.7
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)