

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: P220760

Luminaire Tested: **9004-W1-[RW, RI]-LED4097-M-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED4097-M-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 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: 2099.5 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

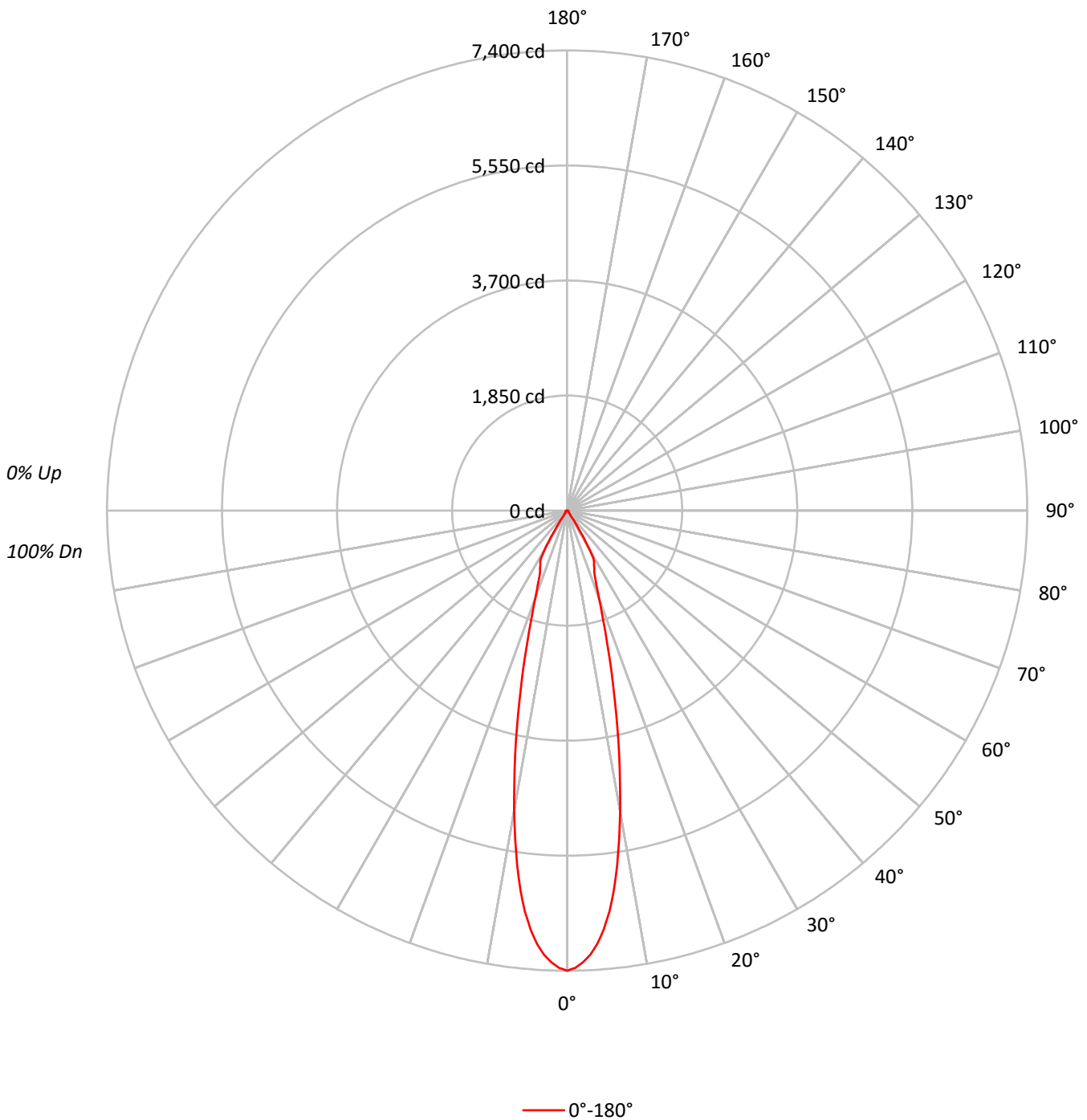
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	912782
5°	837039
10°	614231
15°	359747
20°	196289
25°	139853
30°	103445
35°	14922
40°	8164
45°	5809
50°	5929
55°	6129
60°	6858
65°	7647
70°	8872
75°	10961
80°	12928
85°	12313



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.1	27.9
10°-20°	783.4	37.3
20°-30°	483.6	23.0
30°-40°	134.8	6.4
40°-50°	27.2	1.3
50°-60°	25.9	1.2
60°-70°	26.2	1.2
70°-80°	23.5	1.1
80°-90°	9.8	0.5
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°	1852.1	88.2
0°-40°	1986.9	94.6
0°-60°	2040.0	97.2
0°-90°	2099.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2099.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7400	
5°	6760	585
15°	2817	783
25°	1028	484
35°	99	135
45°	33	27
55°	28	26
65°	26	26
75°	23	23
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7400.2
1°	7354.2
2°	7269.3
3°	7148.8
4°	6983.1
5°	6760.3
6°	6484.4
7°	6156.1
8°	5764.4
9°	5343.4
10°	4904.1
11°	4456.9
12°	4015.3
13°	3584.7
14°	3185.1
15°	2817.2
16°	2478.6
17°	2174.9
18°	1908.5
19°	1681.0
20°	1495.4
21°	1342.4
22°	1227.4
23°	1140.2
24°	1075.2
25°	1027.6
26°	988.7
27°	954.7
28°	922.1
29°	849.2
30°	726.3
32.5°	352.0
35°	99.1
37.5°	68.2
40°	50.7
42.5°	35.7
45°	33.3
47.5°	31.7
50°	30.9
52.5°	29.3
55°	28.5
57.5°	28.5
60°	27.8
62.5°	27.8
65°	26.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	25.4
70°	24.6
72.5°	23.8
75°	23.0
77.5°	20.6
80°	18.2
82.5°	14.3
85°	8.7
87.5°	4.0
90°	0.0

(END OF REPORT)