

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: P220843

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29492)
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]-LED5080-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1074.7 lumens
Efficiency: N/A
Efficacy: 109.7 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

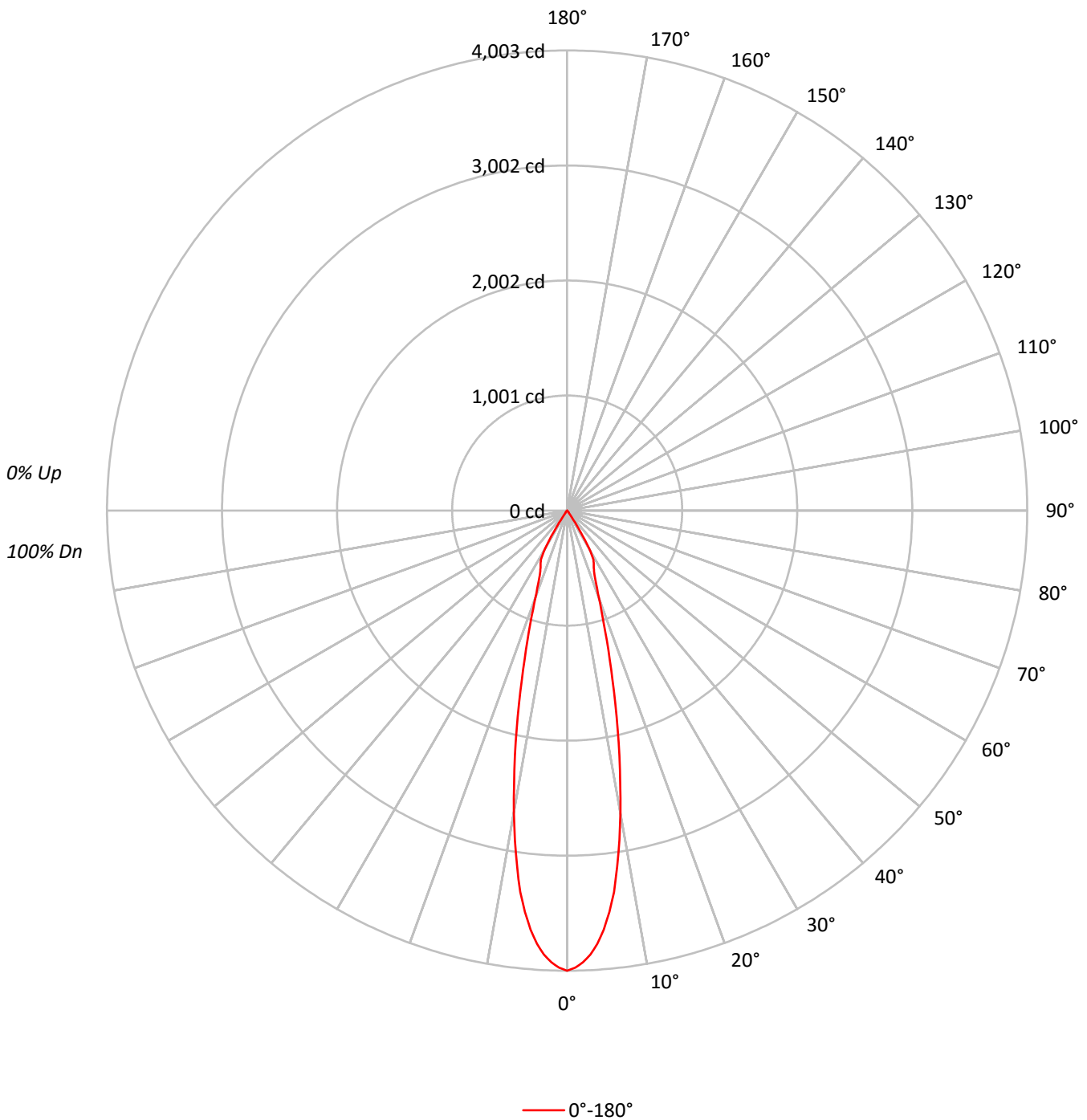
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	78	76	82	78	75	81	77	75	80	77	75	74
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71
10	85	78	73	71	84	77	73	70	77	73	70	76	73	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	493765
5°	453021
10°	334238
15°	195095
20°	105797
25°	74772
30°	54179
35°	6731
40°	2303
45°	907
50°	576
55°	473
60°	321
65°	263
70°	144
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.2	29.5
10°-20°	425.4	39.6
20°-30°	258.1	24.0
30°-40°	66.0	6.1
40°-50°	4.7	0.4
50°-60°	1.9	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.0
80°-90°	0.1	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°	1000.7	93.1
0°-40°	1066.8	99.3
0°-60°	1073.4	99.9
0°-90°	1074.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1074.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4003	
5°	3659	317
15°	1528	425
25°	549	258
35°	45	66
45°	5	5
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4003.1
1°	3977.5
2°	3931.9
3°	3866.8
4°	3777.7
5°	3658.8
6°	3510.2
7°	3343.0
8°	3129.4
9°	2901.4
10°	2668.6
11°	2423.7
12°	2183.1
13°	1952.9
14°	1731.9
15°	1527.8
16°	1345.4
17°	1180.8
18°	1034.0
19°	910.2
20°	806.0
21°	723.9
22°	658.8
23°	610.6
24°	576.3
25°	549.4
26°	527.6
27°	509.0
28°	486.8
29°	446.4
30°	380.4
32.5°	181.1
35°	44.7
37.5°	24.3
40°	14.3
42.5°	6.5
45°	5.2
47.5°	4.3
50°	3.0
52.5°	2.6
55°	2.2
57.5°	1.7
60°	1.3
62.5°	1.3
65°	0.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)