

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: P220974

Luminaire Tested: **9004-W1-FL-LED4080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED4080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1160.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

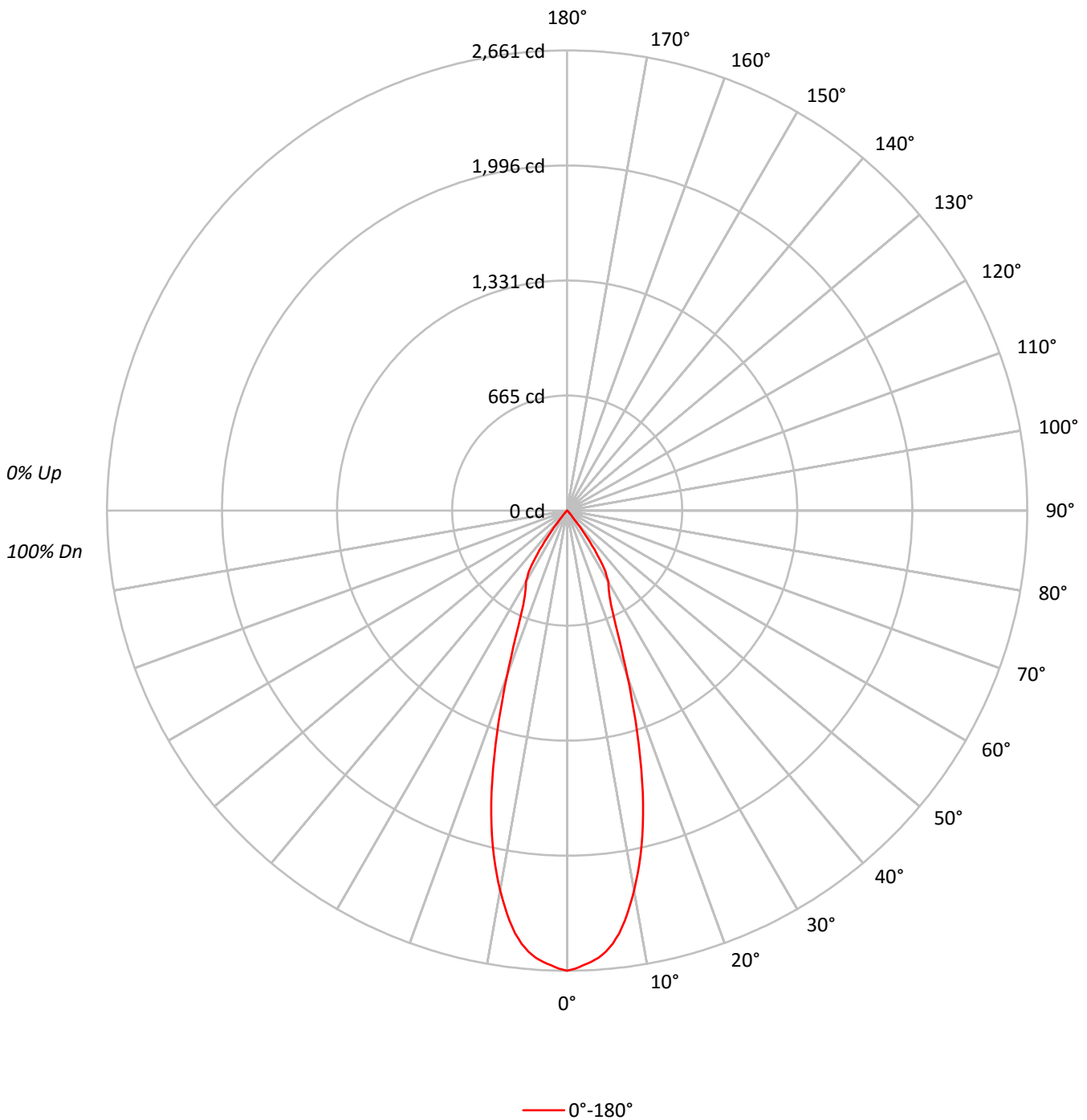
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68
9	83	75	70	67	82	74	70	66	74	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328198
5°	317132
10°	279442
15°	215769
20°	133939
25°	81699
30°	67753
35°	41364
40°	7004
45°	2547
50°	556
55°	280
60°	197
65°	233
70°	144
75°	191
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	20.2
10°-20°	452.5	39.0
20°-30°	294.7	25.4
30°-40°	163.7	14.1
40°-50°	12.8	1.1
50°-60°	1.4	0.1
60°-70°	0.7	0.1
70°-80°	0.4	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°	981.1	84.6
0°-40°	1144.7	98.7
0°-60°	1158.9	99.9
0°-90°	1160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1160.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2661	
5°	2561	234
15°	1690	452
25°	600	295
35°	275	164
45°	15	13
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2660.8
1°	2649.1
2°	2632.0
3°	2614.0
4°	2592.7
5°	2561.3
6°	2519.1
7°	2463.5
8°	2394.5
9°	2315.5
10°	2231.1
11°	2139.1
12°	2039.2
13°	1932.2
14°	1814.3
15°	1689.7
16°	1554.3
17°	1413.0
18°	1279.2
19°	1144.6
20°	1020.4
21°	903.4
22°	801.8
23°	716.9
24°	650.9
25°	600.3
26°	563.5
27°	534.3
28°	511.3
29°	492.9
30°	475.7
32.5°	403.4
35°	274.7
37.5°	140.9
40°	43.5
42.5°	20.9
45°	14.6
47.5°	9.2
50°	2.9
52.5°	1.7
55°	1.3
57.5°	1.3
60°	0.8
62.5°	0.8
65°	0.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)