

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: P221088

Luminaire Tested: **9004-W1-FL-LED4080-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)
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-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2215.9 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

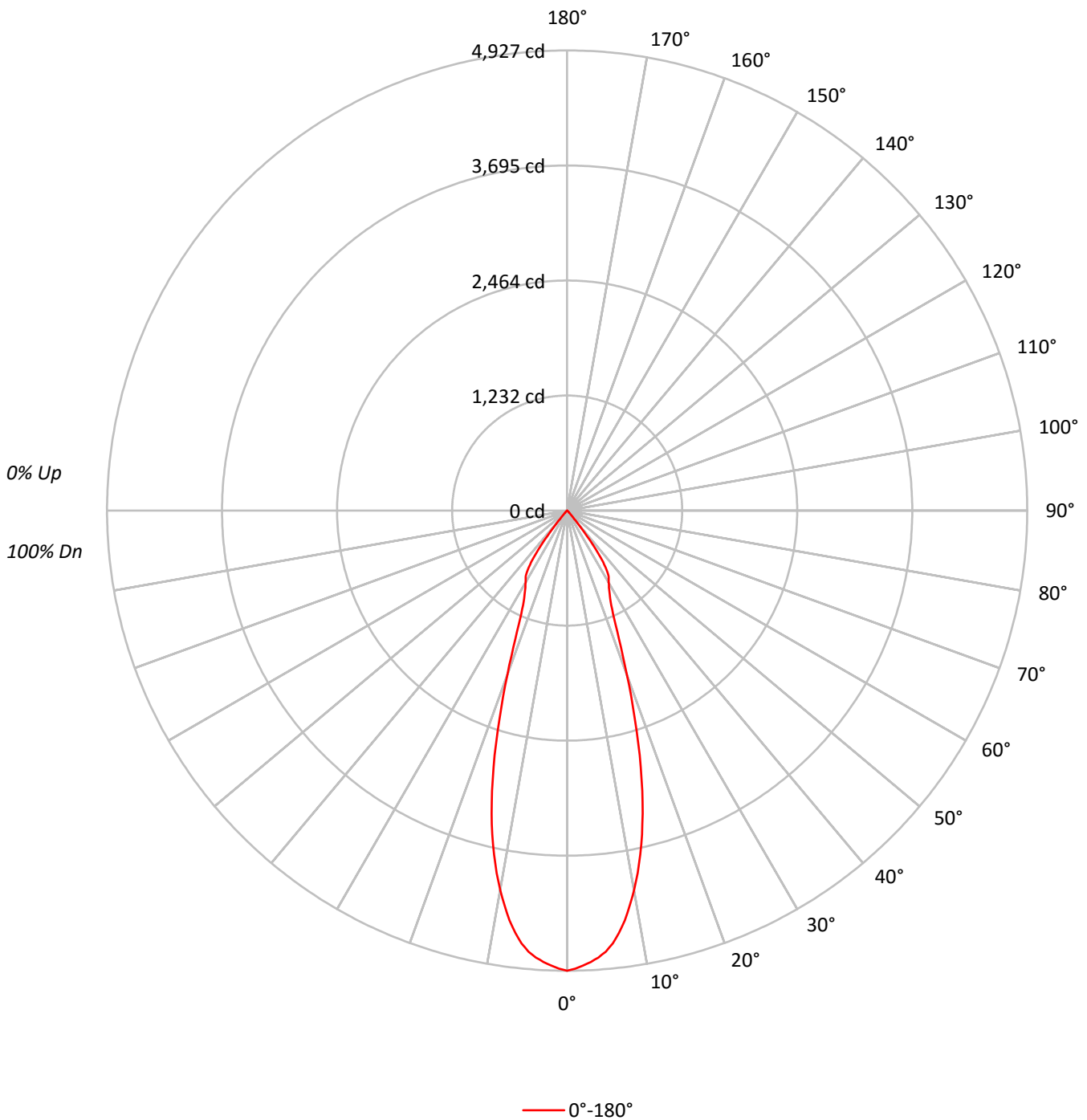
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	102	99	107	104	100	98	100	98	96		97	95	94		95	93	92	90
3	105	99	95	92	103	98	94	91	96	92	90		93	90	88		91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87	85	82	81
5	97	89	84	81	95	88	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	79	76	83	79	75		81	78	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	72		78	74	71		77	74	71	70
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	65	81	74	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	70	66	62	70	65	62		69	65	62		68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	607712
5°	586904
10°	516737
15°	396920
20°	245486
25°	152115
30°	126760
35°	101459
40°	22124
45°	4710
50°	883
55°	495
60°	370
65°	233
70°	289
75°	381
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.9	19.5
10°-20°	833.6	37.6
20°-30°	547.4	24.7
30°-40°	369.1	16.7
40°-50°	29.1	1.3
50°-60°	2.0	0.1
60°-70°	1.0	0.0
70°-80°	0.7	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°	1813.9	81.9
0°-40°	2183.0	98.5
0°-60°	2214.1	99.9
0°-90°	2215.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2215.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4927	
5°	4740	433
15°	3108	834
25°	1118	547
35°	674	369
45°	27	29
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4926.9
1°	4905.2
2°	4873.6
3°	4838.9
4°	4798.0
5°	4740.1
6°	4660.6
7°	4557.1
8°	4429.8
9°	4282.3
10°	4125.7
11°	3953.5
12°	3766.0
13°	3561.4
14°	3343.8
15°	3108.3
16°	2860.6
17°	2604.3
18°	2348.0
19°	2107.2
20°	1870.2
21°	1664.9
22°	1480.5
23°	1327.6
24°	1209.5
25°	1117.7
26°	1051.3
27°	1000.3
28°	957.1
29°	921.6
30°	890.0
32.5°	823.6
35°	673.8
37.5°	400.6
40°	137.4
42.5°	40.9
45°	27.0
47.5°	17.0
50°	4.6
52.5°	2.3
55°	2.3
57.5°	1.5
60°	1.5
62.5°	1.5
65°	0.8



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)