

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: P221033

Luminaire Tested: **9004-W1-FL-LED2790-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29496)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED2790-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

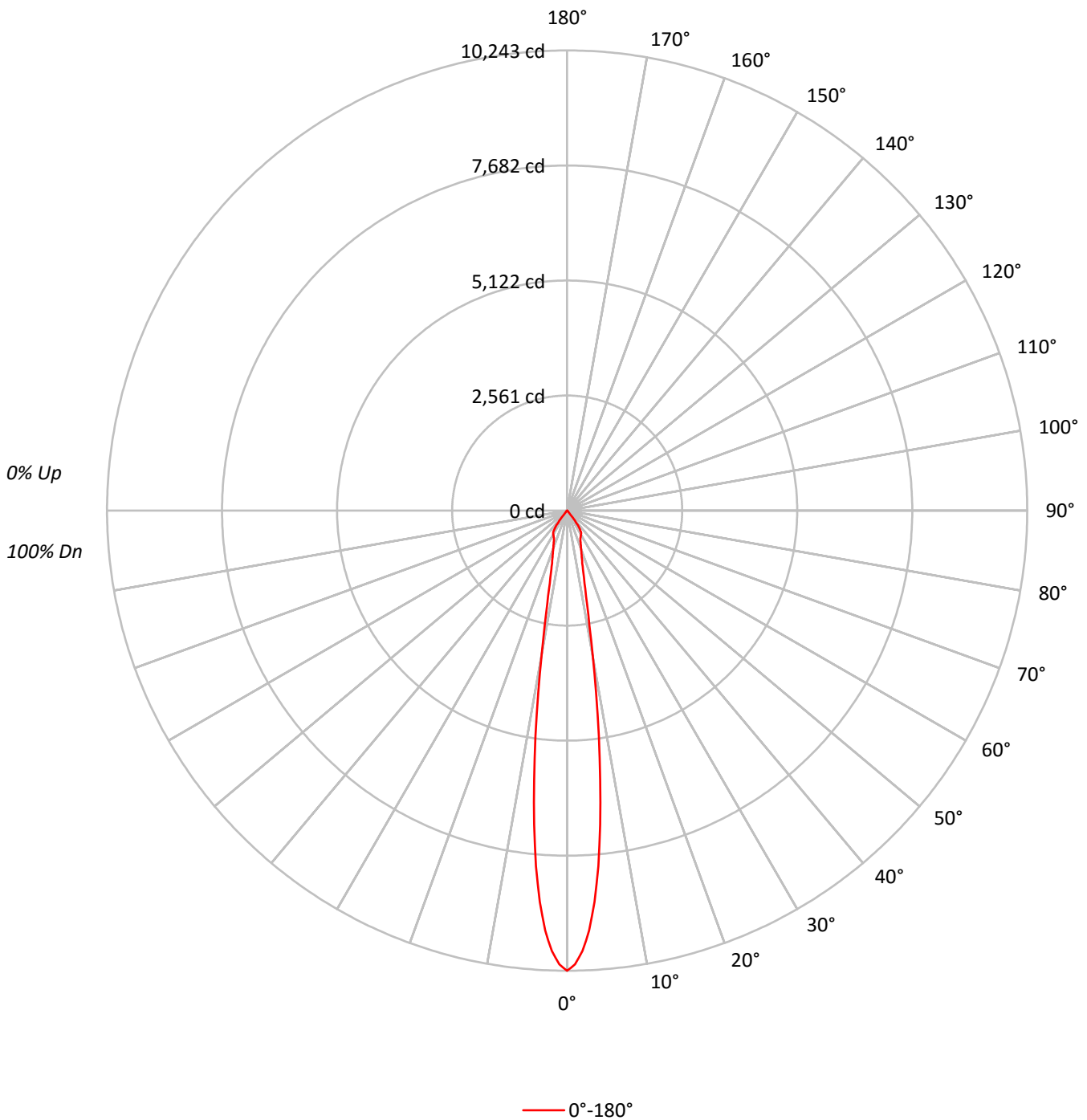
Lumens per Lamp: N/A
Luminaire Lumens: 1631.3 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	115	112	110	108	112	110	108	107	106	105	103		103	101	100		99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92		95	93	90		93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87		92	89	86		90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87	84	82	81
6	95	89	84	81	94	88	83	80	86	83	80		85	82	79		84	81	79	78
7	92	85	80	77	91	85	80	77	83	79	77		82	79	76		81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74		80	76	74		79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71		77	74	71		76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1263454
5°	983477
10°	409612
15°	173182
20°	118857
25°	94859
30°	87664
35°	71720
40°	15103
45°	3454
50°	1228
55°	1011
60°	567
65°	350
70°	216
75°	286
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.9	36.6
10°-20°	418.3	25.6
20°-30°	329.7	20.2
30°-40°	259.6	15.9
40°-50°	21.0	1.3
50°-60°	4.1	0.3
60°-70°	1.1	0.1
70°-80°	0.6	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°	1345.0	82.4
0°-40°	1604.6	98.4
0°-60°	1629.7	99.9
0°-90°	1631.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1631.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10243	
5°	7943	597
15°	1356	418
25°	697	330
35°	476	260
45°	20	21
55°	5	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10243.2
1°	10102.2
2°	9809.3
3°	9355.1
4°	8733.8
5°	7943.0
6°	7029.9
7°	6043.4
8°	5075.6
9°	4101.3
10°	3270.4
11°	2607.1
12°	2126.1
13°	1785.4
14°	1538.5
15°	1356.2
16°	1219.4
17°	1119.2
18°	1043.0
19°	970.2
20°	905.5
21°	851.9
22°	804.2
23°	762.3
24°	725.6
25°	697.0
26°	675.5
27°	659.2
28°	643.5
29°	629.5
30°	615.5
32.5°	580.6
35°	476.3
37.5°	284.2
40°	93.8
42.5°	28.0
45°	19.8
47.5°	14.0
50°	6.4
52.5°	5.8
55°	4.7
57.5°	3.5
60°	2.3
62.5°	1.2
65°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)