

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: P220953

Luminaire Tested: **9004-W1-FL-LED2790-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)
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-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1645.8 lumens
Efficiency: N/A
Efficacy: 81.9 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

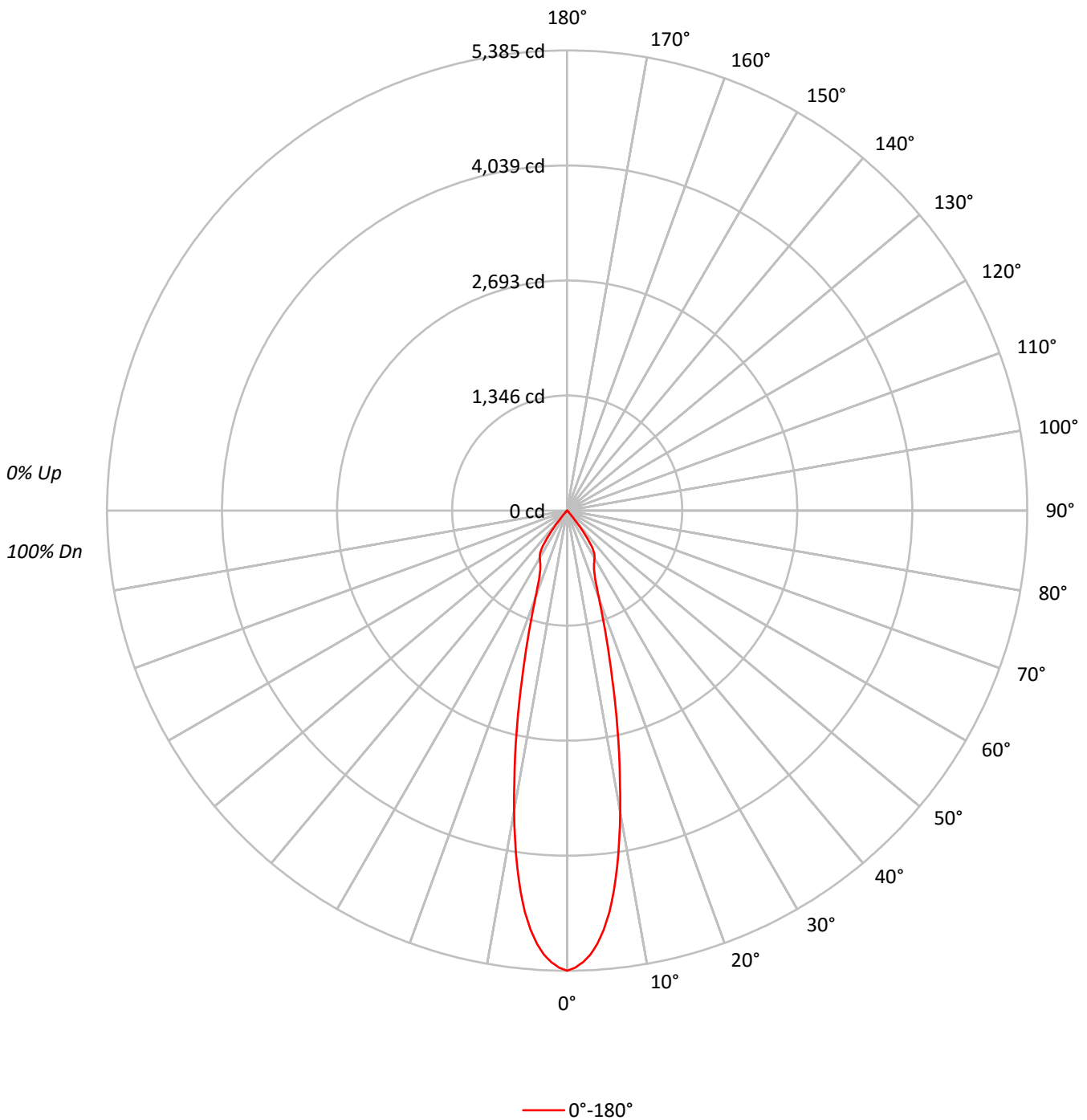
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	664192
5°	609476
10°	447826
15°	260706
20°	142170
25°	101052
30°	91068
35°	71720
40°	15941
45°	4361
50°	1458
55°	882
60°	567
65°	350
70°	216
75°	286
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.4	25.9
10°-20°	569.1	34.6
20°-30°	355.9	21.6
30°-40°	264.0	16.0
40°-50°	24.6	1.5
50°-60°	3.9	0.2
60°-70°	1.4	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°	1351.4	82.1
0°-40°	1615.4	98.1
0°-60°	1643.9	99.9
0°-90°	1645.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1645.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5385	
5°	4922	426
15°	2042	569
25°	742	356
35°	476	264
45°	25	25
55°	4	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5384.8
1°	5349.3
2°	5288.7
3°	5201.4
4°	5081.4
5°	4922.4
6°	4725.0
7°	4486.8
8°	4209.1
9°	3899.3
10°	3575.5
11°	3244.2
12°	2923.3
13°	2610.6
14°	2313.6
15°	2041.6
16°	1794.2
17°	1578.1
18°	1384.2
19°	1220.0
20°	1083.1
21°	974.8
22°	888.1
23°	824.0
24°	776.8
25°	742.5
26°	716.8
27°	694.7
28°	674.3
29°	656.9
30°	639.4
32.5°	591.1
35°	476.3
37.5°	288.3
40°	99.0
42.5°	34.4
45°	25.0
47.5°	18.1
50°	7.6
52.5°	5.8
55°	4.1
57.5°	2.9
60°	2.3
62.5°	1.7
65°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.2
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)