

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: P220993

Luminaire Tested: **9004-W1-FL-LED2797-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220993
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-LED2797-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1940.4 lumens
Efficiency: N/A
Efficacy: 67.8 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

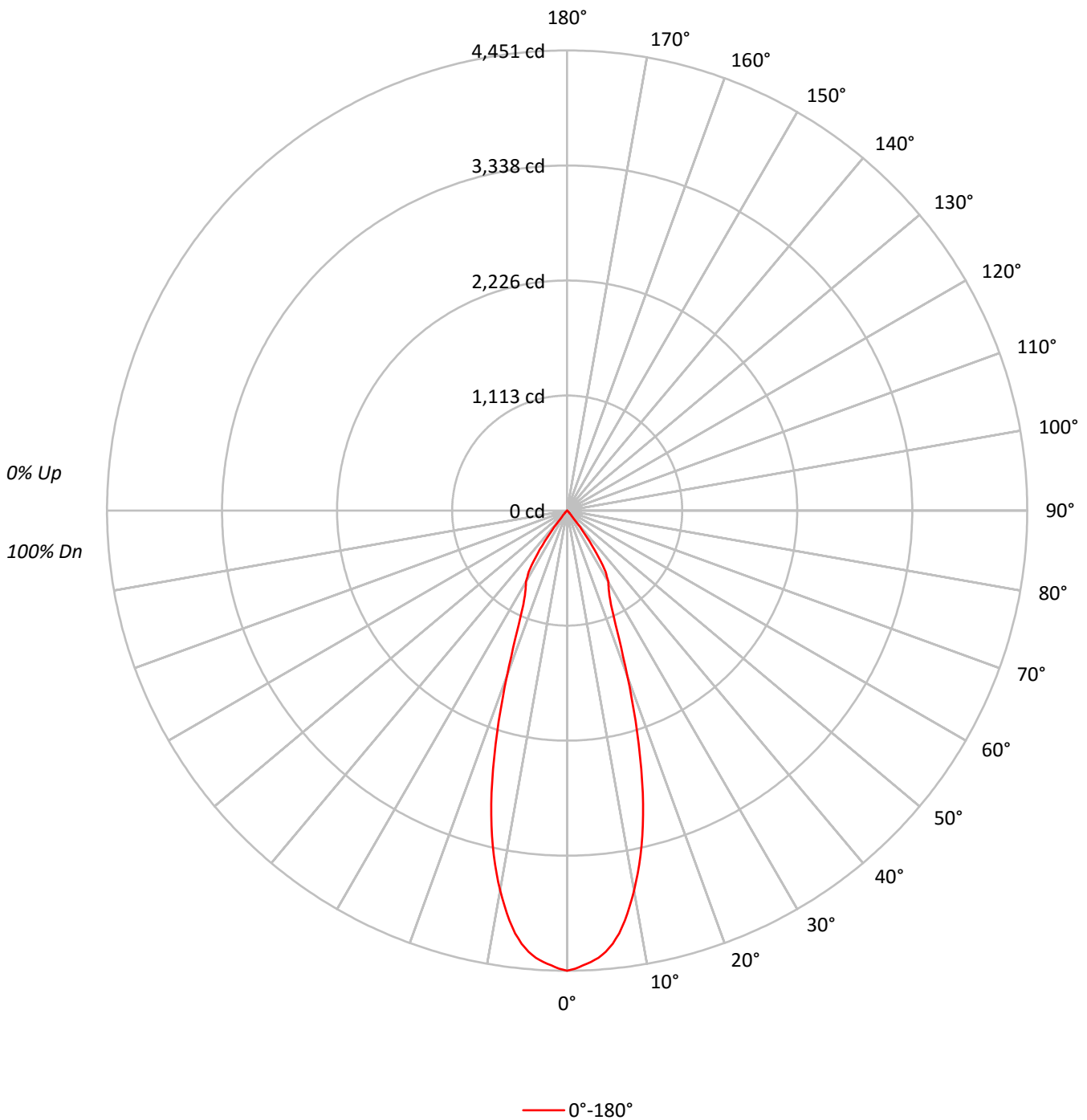
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	548974
5°	530468
10°	467415
15°	360922
20°	224051
25°	136655
30°	113329
35°	69175
40°	11706
45°	4274
50°	940
55°	452
60°	345
65°	409
70°	252
75°	334
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.4	20.2
10°-20°	756.8	39.0
20°-30°	492.9	25.4
30°-40°	273.7	14.1
40°-50°	21.4	1.1
50°-60°	2.3	0.1
60°-70°	1.3	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°	1641.0	84.6
0°-40°	1914.8	98.7
0°-60°	1938.4	99.9
0°-90°	1940.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1940.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4451	
5°	4284	391
15°	2826	757
25°	1004	493
35°	459	274
45°	24	21
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4450.7
1°	4431.1
2°	4402.5
3°	4372.4
4°	4336.7
5°	4284.3
6°	4213.7
7°	4120.7
8°	4005.3
9°	3873.1
10°	3731.9
11°	3578.1
12°	3410.9
13°	3231.9
14°	3034.7
15°	2826.4
16°	2599.8
17°	2363.5
18°	2139.7
19°	1914.5
20°	1706.9
21°	1511.1
22°	1341.2
23°	1199.2
24°	1088.7
25°	1004.1
26°	942.6
27°	893.6
28°	855.2
29°	824.4
30°	795.7
32.5°	674.8
35°	459.4
37.5°	235.6
40°	72.7
42.5°	35.0
45°	24.5
47.5°	15.4
50°	4.9
52.5°	2.8
55°	2.1
57.5°	2.1
60°	1.4
62.5°	1.4
65°	1.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)