

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: P220883

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-F-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29493)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED2790-F-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1894.8 lumens
Efficiency: N/A
Efficacy: 66.3 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

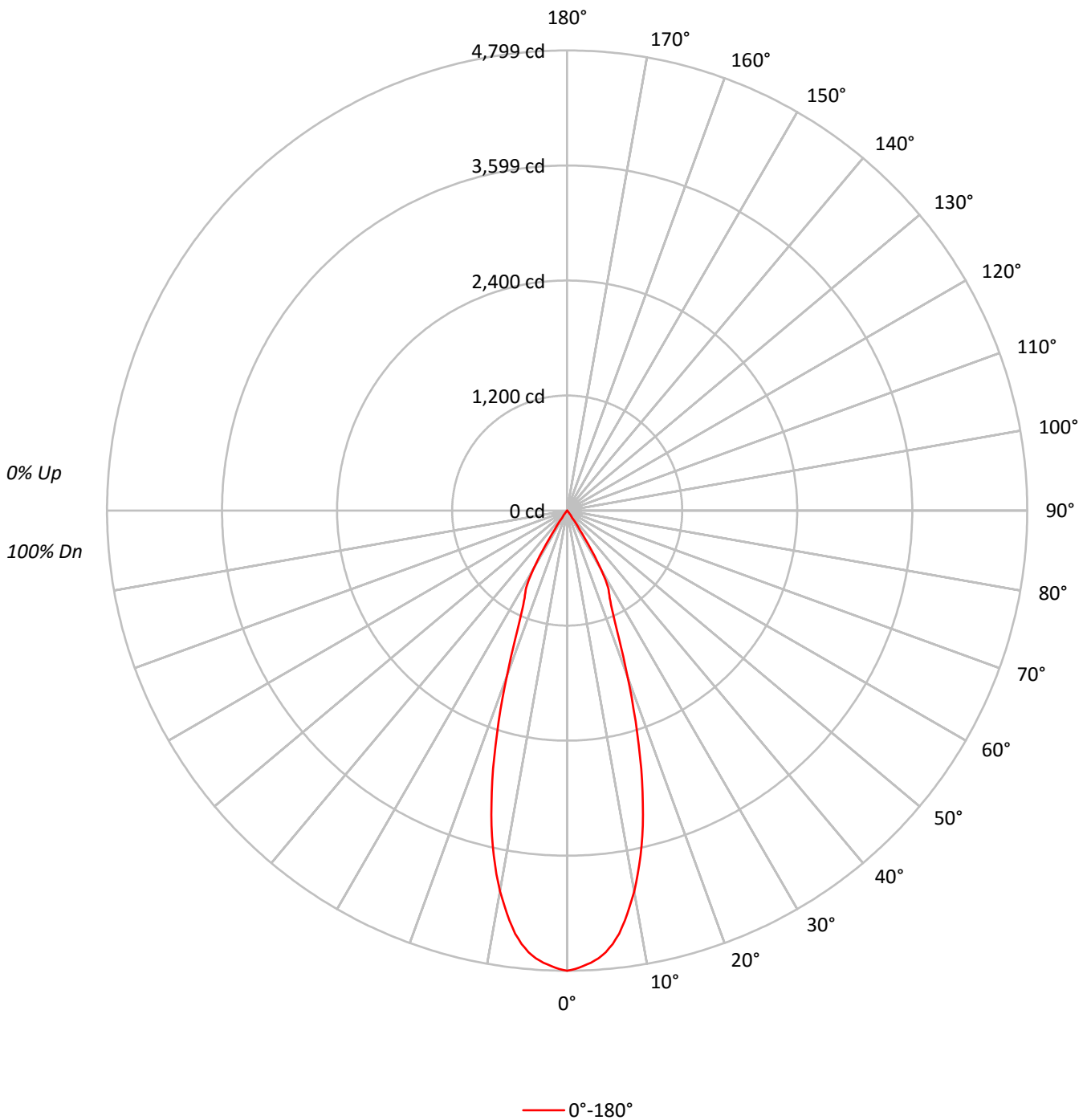
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	90	87	85	84
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	82	78	75	81	77	75	74
8	89	81	76	73	87	81	76	73	80	76	73	79	75	72	78	75	72	71
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	591936
5°	572331
10°	504676
15°	388530
20°	241036
25°	147447
30°	100354
35°	13296
40°	3768
45°	925
50°	729
55°	495
60°	370
65°	438
70°	289
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.3	22.3
10°-20°	816.2	43.1
20°-30°	523.4	27.6
30°-40°	123.4	6.5
40°-50°	5.8	0.3
50°-60°	2.3	0.1
60°-70°	1.2	0.1
70°-80°	0.3	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°	1761.8	93.0
0°-40°	1885.2	99.5
0°-60°	1893.3	99.9
0°-90°	1894.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1894.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4799	
5°	4622	422
15°	3043	816
25°	1083	523
35°	88	123
45°	5	6
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4799.0
1°	4781.6
2°	4753.7
3°	4722.0
4°	4680.5
5°	4622.4
6°	4544.7
7°	4445.9
8°	4317.6
9°	4178.1
10°	4029.4
11°	3861.2
12°	3680.9
13°	3485.5
14°	3269.0
15°	3042.6
16°	2802.7
17°	2554.5
18°	2307.1
19°	2067.2
20°	1836.3
21°	1631.1
22°	1447.8
23°	1293.9
24°	1176.9
25°	1083.4
26°	1013.2
27°	958.9
28°	910.6
29°	828.4
30°	704.6
32.5°	336.5
35°	88.3
37.5°	46.8
40°	23.4
42.5°	7.5
45°	5.3
47.5°	4.5
50°	3.8
52.5°	3.0
55°	2.3
57.5°	2.3
60°	1.5
62.5°	1.5
65°	1.5



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)