

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: P220783

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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]-LED2797-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED 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: 1887.3 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

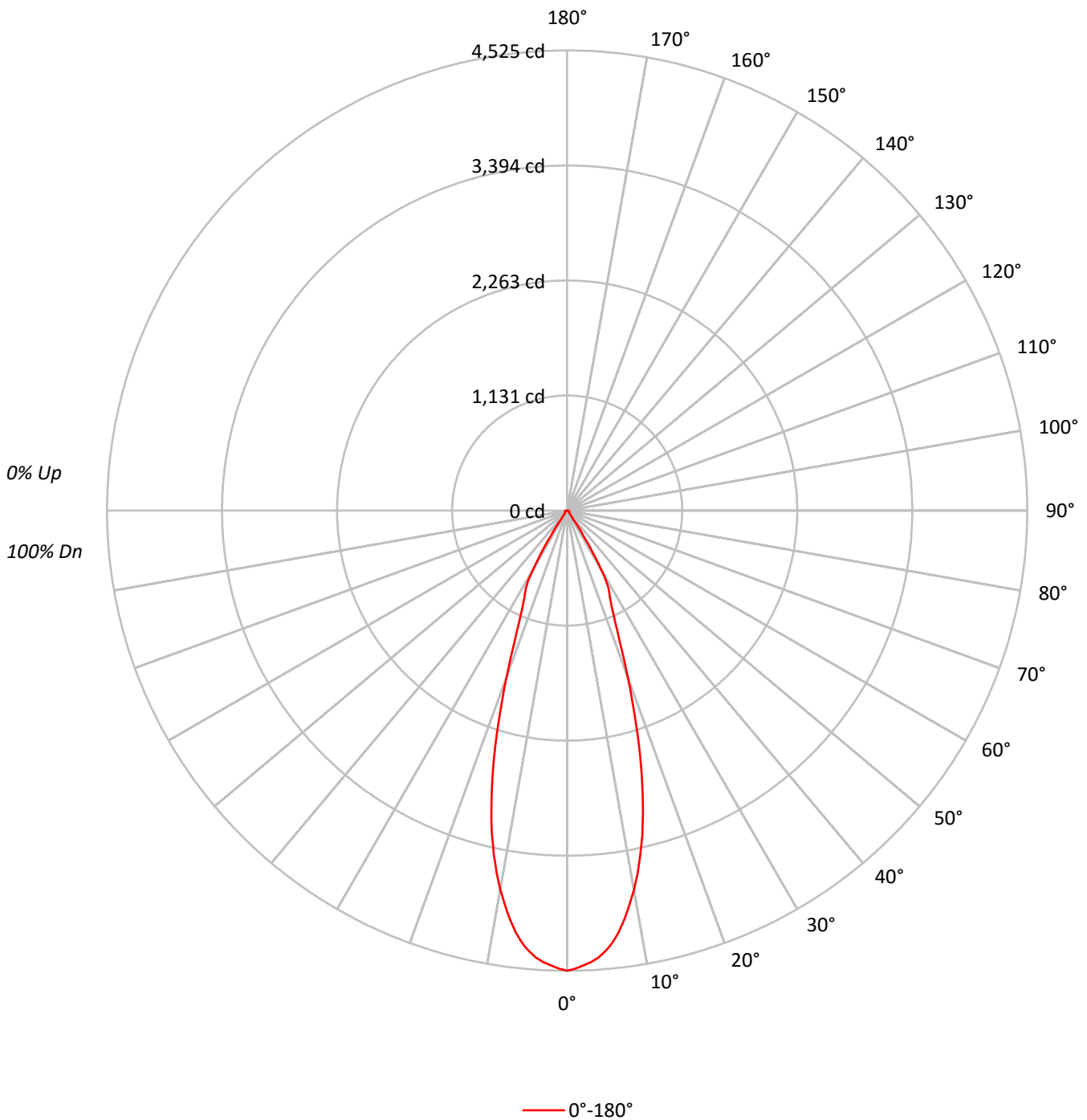
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	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	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	558114
5°	538170
10°	473890
15°	365915
20°	228448
25°	140656
30°	96409
35°	15163
40°	6875
45°	4640
50°	4836
55°	5269
60°	5871
65°	6538
70°	7573
75°	9341
80°	10939
85°	10897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.8	21.0
10°-20°	769.5	40.8
20°-30°	498.3	26.4
30°-40°	128.2	6.8
40°-50°	21.9	1.2
50°-60°	22.1	1.2
60°-70°	22.2	1.2
70°-80°	20.0	1.1
80°-90°	8.4	0.4
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°	1664.6	88.2
0°-40°	1792.7	95.0
0°-60°	1836.8	97.3
0°-90°	1887.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1887.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4525	
5°	4346	397
15°	2866	769
25°	1034	498
35°	101	128
45°	27	22
55°	24	22
65°	22	22
75°	20	20
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4524.8
1°	4504.6
2°	4478.0
3°	4446.5
4°	4406.0
5°	4346.5
6°	4271.0
7°	4172.4
8°	4054.2
9°	3922.8
10°	3783.6
11°	3631.2
12°	3463.4
13°	3281.6
14°	3082.3
15°	2865.5
16°	2641.8
17°	2411.7
18°	2181.0
19°	1953.7
20°	1740.4
21°	1545.3
22°	1375.4
23°	1232.1
24°	1119.5
25°	1033.5
26°	965.7
27°	913.2
28°	869.2
29°	792.2
30°	676.9
32.5°	338.4
35°	100.7
37.5°	64.3
40°	42.7
42.5°	27.3
45°	26.6
47.5°	25.9
50°	25.2
52.5°	25.2
55°	24.5
57.5°	24.5
60°	23.8
62.5°	23.1
65°	22.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.7
70°	21.0
72.5°	20.3
75°	19.6
77.5°	17.5
80°	15.4
82.5°	11.9
85°	7.7
87.5°	3.5
90°	0.0

(END OF REPORT)