

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: P220735

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED 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: 835.1 lumens
Efficiency: N/A
Efficacy: 85.2 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

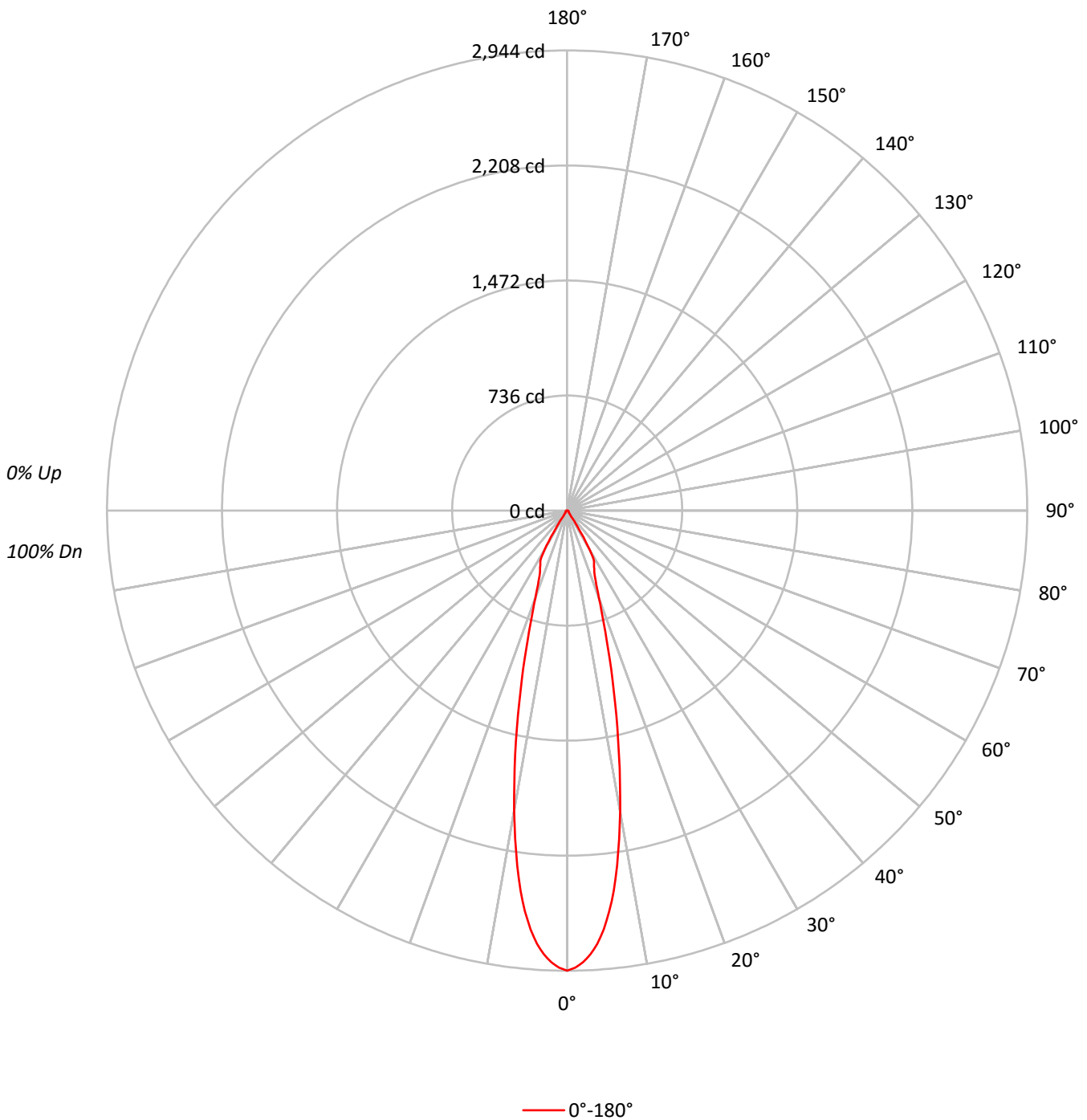
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	363068
5°	332943
10°	244322
15°	143097
20°	78074
25°	55623
30°	41147
35°	5933
40°	3253
45°	2303
50°	2360
55°	2452
60°	2714
65°	3035
70°	3534
75°	4337
80°	5185
85°	4953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.7	27.9
10°-20°	311.6	37.3
20°-30°	192.4	23.0
30°-40°	53.6	6.4
40°-50°	10.8	1.3
50°-60°	10.3	1.2
60°-70°	10.4	1.2
70°-80°	9.3	1.1
80°-90°	3.9	0.5
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°	736.7	88.2
0°-40°	790.3	94.6
0°-60°	811.5	97.2
0°-90°	835.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2944	
5°	2689	233
15°	1121	312
25°	409	192
35°	39	54
45°	13	11
55°	11	10
65°	10	10
75°	9	9
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2943.5
1°	2925.2
2°	2891.4
3°	2843.5
4°	2777.6
5°	2689.0
6°	2579.2
7°	2448.6
8°	2292.8
9°	2125.4
10°	1950.7
11°	1772.8
12°	1597.1
13°	1425.9
14°	1266.9
15°	1120.6
16°	985.9
17°	865.1
18°	759.1
19°	668.6
20°	594.8
21°	533.9
22°	488.2
23°	453.5
24°	427.7
25°	408.7
26°	393.3
27°	379.7
28°	366.8
29°	337.8
30°	288.9
32.5°	140.0
35°	39.4
37.5°	27.1
40°	20.2
42.5°	14.2
45°	13.2
47.5°	12.6
50°	12.3
52.5°	11.7
55°	11.4
57.5°	11.4
60°	11.0
62.5°	11.0
65°	10.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.1
70°	9.8
72.5°	9.5
75°	9.1
77.5°	8.2
80°	7.3
82.5°	5.7
85°	3.5
87.5°	1.6
90°	0.0

(END OF REPORT)