

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: P29488

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-M-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 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]-LED4080-M-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2647.8 lumens
Efficiency: N/A
Efficacy: 92.9 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

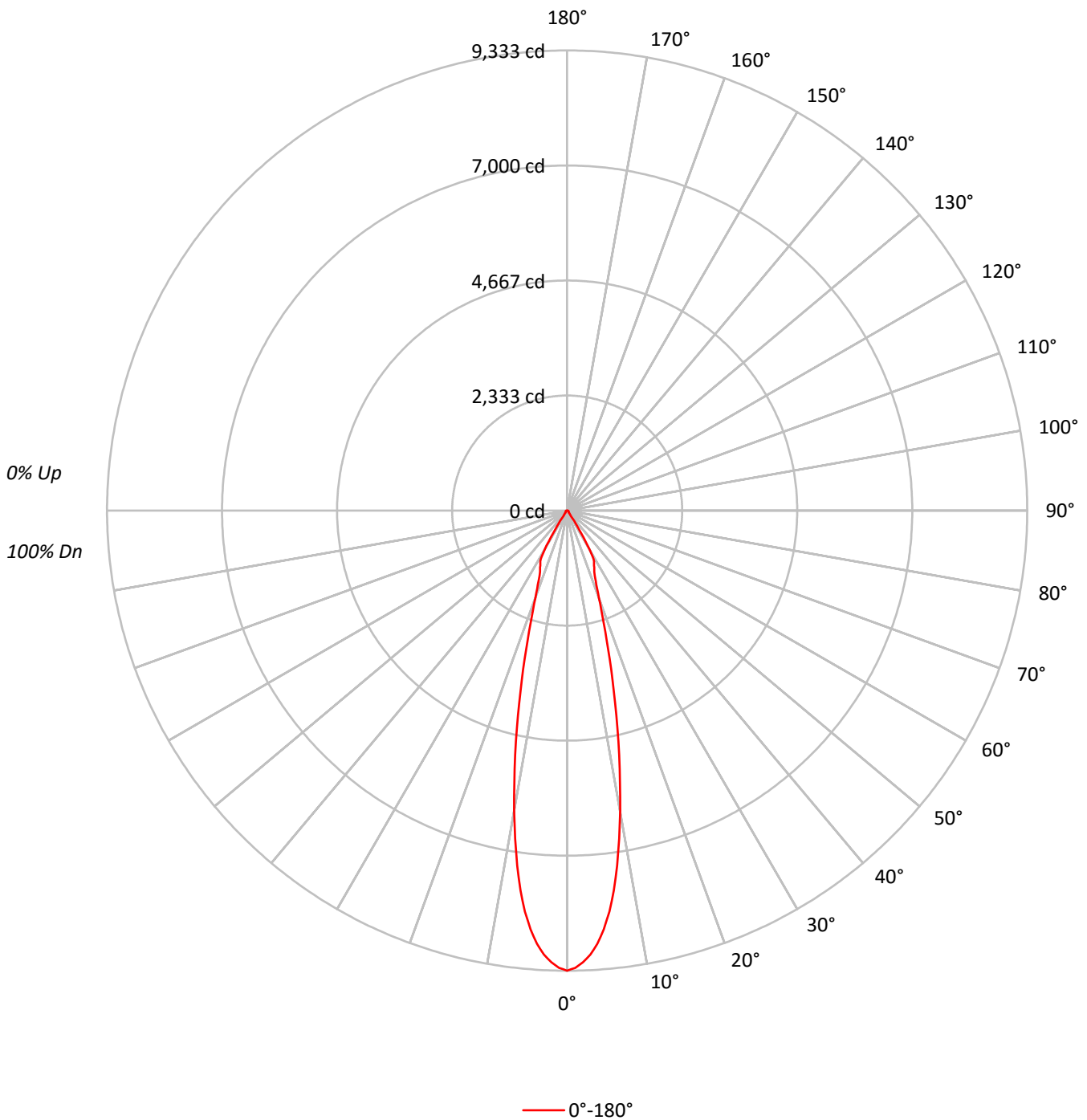
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	94	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°	1151185
5°	1055662
10°	774662
15°	453707
20°	247560
25°	176382
30°	130463
35°	18822
40°	10305
45°	7326
50°	7484
55°	7742
60°	8634
65°	9631
70°	11180
75°	13821
80°	16337
85°	15568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.9	27.9
10°-20°	988.0	37.3
20°-30°	609.9	23.0
30°-40°	170.0	6.4
40°-50°	34.4	1.3
50°-60°	32.7	1.2
60°-70°	33.0	1.2
70°-80°	29.6	1.1
80°-90°	12.4	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°	2335.8	88.2
0°-40°	2505.8	94.6
0°-60°	2572.9	97.2
0°-90°	2647.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2647.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9333	
5°	8526	738
15°	3553	988
25°	1296	610
35°	125	170
45°	42	34
55°	36	33
65°	33	33
75°	29	30
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9333
1°	9275
2°	9168
3°	9016
4°	8807
5°	8526
6°	8178
7°	7764
8°	7270
9°	6739
10°	6185
11°	5621
12°	5064
13°	4521
14°	4017
15°	3553
16°	3126
17°	2743
18°	2407
19°	2120
20°	1886
21°	1693
22°	1548
23°	1438
24°	1356
25°	1296
26°	1247
27°	1204
28°	1163
29°	1071
30°	916
32.5°	444
35°	125
37.5°	86
40°	64
42.5°	45
45°	42
47.5°	40
50°	39
52.5°	37
55°	36
57.5°	36
60°	35
62.5°	35
65°	33



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	32
70°	31
72.5°	30
75°	29
77.5°	26
80°	23
82.5°	18
85°	11
87.5°	5
90°	0

(END OF REPORT)