

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: P220747

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220747
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]-LED4080-M-WT-L2-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: 2043.8 lumens
Efficiency: N/A
Efficacy: 101.7 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

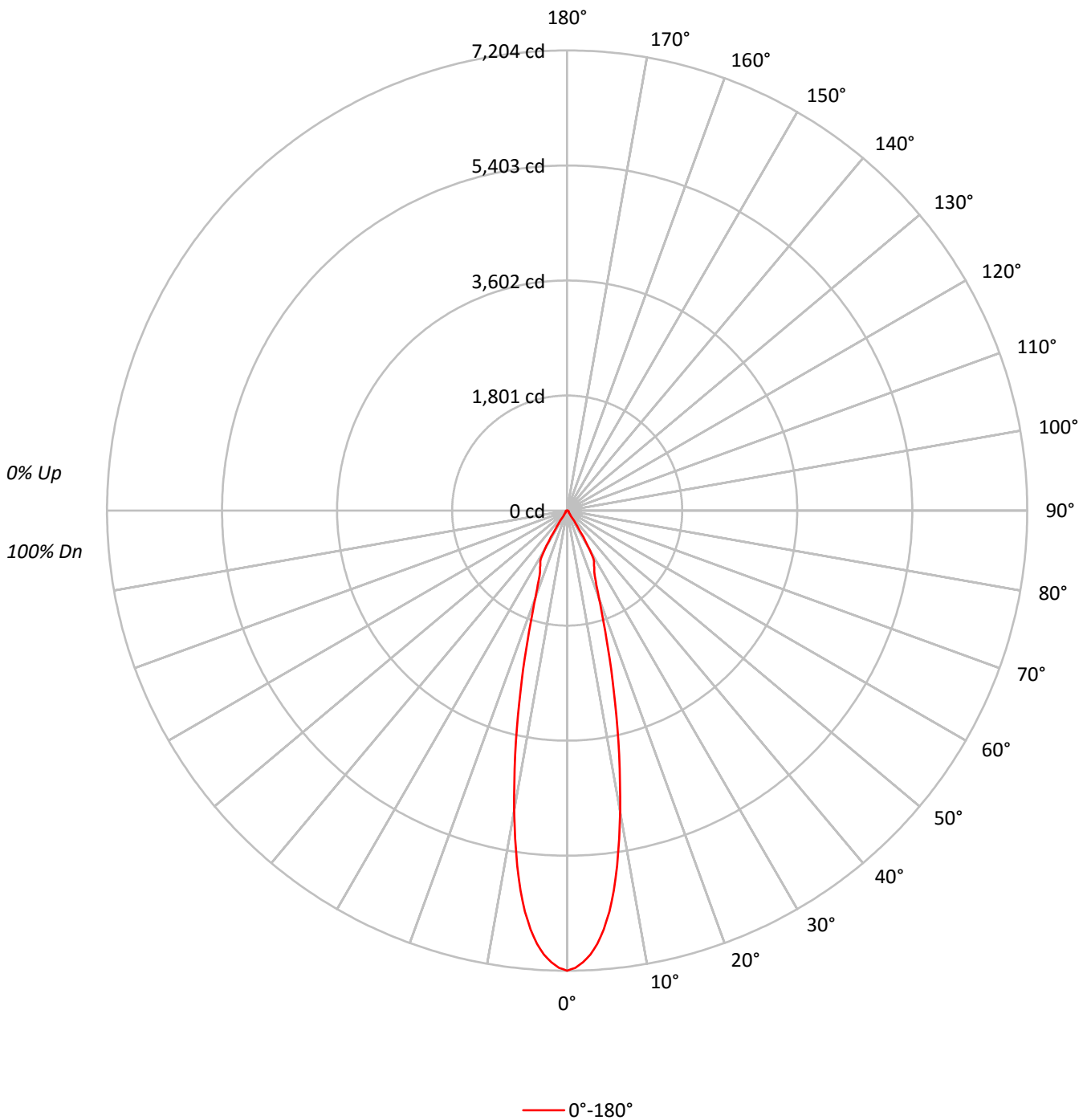
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	888570
5°	814838
10°	597936
15°	350208
20°	191078
25°	136138
30°	100696
35°	14531
40°	7954
45°	5652
50°	5776
55°	5978
60°	6661
65°	7442
70°	8619
75°	10675
80°	12644
85°	12029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.6	27.9
10°-20°	762.6	37.3
20°-30°	470.8	23.0
30°-40°	131.2	6.4
40°-50°	26.5	1.3
50°-60°	25.3	1.2
60°-70°	25.4	1.2
70°-80°	22.9	1.1
80°-90°	9.6	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°	1802.9	88.2
0°-40°	1934.2	94.6
0°-60°	1986.0	97.2
0°-90°	2043.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2043.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7204	
5°	6581	570
15°	2742	763
25°	1000	471
35°	96	131
45°	32	27
55°	28	25
65°	26	25
75°	22	23
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7203.9
1°	7159.1
2°	7076.5
3°	6959.2
4°	6797.9
5°	6581.0
6°	6312.4
7°	5992.8
8°	5611.5
9°	5201.6
10°	4774.0
11°	4338.7
12°	3908.8
13°	3489.6
14°	3100.6
15°	2742.5
16°	2412.9
17°	2117.2
18°	1857.9
19°	1636.4
20°	1455.7
21°	1306.8
22°	1194.9
23°	1110.0
24°	1046.7
25°	1000.3
26°	962.5
27°	929.3
28°	897.7
29°	826.7
30°	707.0
32.5°	342.7
35°	96.5
37.5°	66.4
40°	49.4
42.5°	34.7
45°	32.4
47.5°	30.9
50°	30.1
52.5°	28.6
55°	27.8
57.5°	27.8
60°	27.0
62.5°	27.0
65°	25.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.7
70°	23.9
72.5°	23.2
75°	22.4
77.5°	20.1
80°	17.8
82.5°	13.9
85°	8.5
87.5°	3.9
90°	0.0

(END OF REPORT)